AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the TS during copy-editing.

TECHNICAL SUMMARY

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
TS	Title page	1:44	TS Review Editors were mistakenly missed off the cover page. Please add: "Review Editors: Valérie Masson-Delmotte (France), Greg Flato (Canada), Noureddine Yassa (Algeria)"
TS	Introduction	5:1	Add "http://interactive-atlas.ipcc.ch" as a footnote to "Atlas".
TS	Introduction	5:3	Insert "It comprises a regional information component which supports many of the chapters of the Report and a regional synthesis component which supports the Technical Summary and Summary for Policymakers." after "information."
TS	TS1.2.2	16 :33	remove 6.2.1.2 (does not exist) and 6.3.6 callouts and replace with 6.2.2, 6.4.5, 6.4,
TS	TS1.2.2	17 : 14	The order of references should be changes to 6.4, 7.4.2, FAQ 7.2
TS	TS1.2.2	18 :16	Change {3.6.1, 3.6.2} to {3.6}
TS	TS1.3.2	25 :41	remove reference 8.4.3
TS	TS1.2.2	16 :33	add reference to 2.8.2 and FAQ 3.3 in the {}
TS	Figure TS.4	21 :42	Please add as first sentence to the figure caption: The intent of this figure is to illustrate the process-chain starting from emissions up to the changes in the climate system and in climatic impact-drivers
TS	Figure TS.5	25 :10	Please add as first sentence to the figure caption: The intent of this figure is to show how scenarios are linked to Global Warming Levels, and to provide examples of the evolution of patterns of change with GWL.
TS	Figure TS.6	26 :40	Please add as first sentence to the figure caption: The intent is for this figure to summarise many different aspects of the Technical Summary related to observed and projected changes in global temperature and associated regional changes in climatic impact drivers relevant for impact and risk assessment.
TS	CSB TS1	27:52 – 27:54	Replace ', and the 52 last decade was *more likely than not* warmer than any multi-centennial period after the Last Interglacial, 53 roughly 125,000 years ago.' By '. Temperatures as high as during the most recent decade (2011–-2020) exceed the warmest centennial-scale range reconstructed for the present interglacial, around 6,500 years ago [0.2°C to –-1°C] (*medium confidence*). The next most recent warm period was about 125,00 years ago during the last interglacial when the multi-centennial temperature range [0.5°C to -1.5°C] encompasses the 2011-2020 values (*medium confidence*).' Reason: Consistency with SPM edits to HS2.2

TS	TS Cross-Sectional Box TS.1	27:54 To 28:1	Replace: "The *likely* range of human-induced change in global surface temperature in 2010–201916 relative to 1850– 1900 is 1.07 [0.8 to 1.3] °C, encompassing the observed warming for that period of 1.06 [0.88 to 1.21] °C, while change attributable to natural forcing is only –0.1 to +0.1°C. " with "The *likely* range of human-induced change in global surface temperature in 2010–2019 relative to 1850–1900 is 0.8°C–1.3°C, with a central estimate of 1.07°C, encompassing the best estimate of observed warming for that period, which is 1.06°C with a *very likely* range of 0.88°C, to 1.21°C, while the *likely* range of the change attributable to natural forcing is only –0.1°C to +0.1°C."
TS	CSB TS1	27:52 – 27:54	Replace ', and the last decade was *more likely than not* warmer than any multi-centennial period after the Last Interglacial, roughly 125,000 years ago.' By 'Temperatures as high as during the most recent decade (2011–-2020) exceed the warmest centennial-scale range reconstructed for the present interglacial, around 6,500 years ago [0.2°C to –-1°C] (*medium confidence*). The next most recent warm period was about 125,00 years ago during the last interglacial when the multi-centennial temperature range [0.5°C to -1.5°C] encompasses the 2011-2020 values (*medium confidence*).' Reason: Consistency with SPM edits to HS2.2
TS	CSB TS1	28:41	Replace 'in at least the last two thousand years (*medium confidence*), *confidence*), and it is *more likely than not* that no multi-centennial period after the Last Interglacial (roughly 125,000 years ago) was warmer globally than the most recent decade' By 'in at least the last two thousand years (*high confidence*). Temperatures as high as during the most recent decade (2011–-2020) exceed the warmest centennial-scale range reconstructed for the present interglacial, around 6,500 years ago [0.2°C to –-1°C] (*medium confidence*). The next most recent warm period was about 125,00 years ago during the last interglacial when the multi-centennial temperature range [0.5°C to -1.5°C] encompasses the 2011-2020 values (*medium confidence*).' Reason: Consistency with SPM edits to HS2.2
TS	CSB1	28 :15	Salmon text: adding a reference to {4.5}
TS	TS Cross-Sectional Box TS.1	29:44-46	Replace: "The *likely* range of human-induced change in global surface temperature in 2010–201916 relative to 1850– 1900 is 1.07 [0.8 to 1.3] °C (Figure Cross-Section Box TS.1, Figure 1), encompassing the observed warming for that period of 1.06 [0.88 to 1.21] °C, while change attributable to natural forcing is only –0.1 to +0.1°C. " with "The *likely* range of human-induced change in global surface temperature in 2010–2019 relative to 1850–1900 is 0.8°C–1.3°C, with a central estimate of 1.07°C (Figure Cross-Section Box TS.1, Figure 1), encompassing the best estimate of observed warming for that period, which is 1.06°C with a *very likely* range of 0.88°C, to 1.21°C, while the *likely* range of the change attributable to natural forcing is only –0.1°C to +0.1°C."

TS	Figure TS.7	32 :19	Please add as first sentence to the figure caption: The intent of the figure is to compare the observed and simulated changes over the historical period for a range of variables are regions, with and without anthropogenic forcings, for attribution.
TS	Figure TS.8	33 :18	Please add as first sentence to the figure caption: The intent of this figure is to show how future emissions choices impact key iconic large-scale indicators and to highlight that our collective choices matter.
TS	Table TS.2	Page 34, agricultural and ecological drought entry	Replace label : Agricultural and ecological droughts: Intensity and/or duration With Agricultural and ecological droughts: Intensity and/or frequency
TS	Table TS.2	Page 34, agricultural and ecological drought entry “observed” and “attributed” columns	Replace for predominant fraction of land area “ With“ in some regions
TS	Table TS.2	Page 34, agricultural and ecological drought entry “+1.5°C” column	Replace:“ for predominant fraction of land area With in more regions compared to observed changes
TS	Table TS.2	Page 34, agricultural and ecological drought entry “+2°C” column	Replace: for predominant fraction of land area With in more regions compared to 1.5°C of global warming
TS	Table TS.2	Page 34, agricultural and ecological drought entry “+4°C” column	Replace: for predominant fraction of land area “ With in more regions compared to 2°C of global warming
TS	Figure TS.9	35 :45	Please add as first sentence to the figure caption: The intent of the figure is to show the changes of the main drivers of climate system over the industrial period, with changes exceptional in a long-term context.
TS	Figure TS.10	37 :33	Please add as first sentence to the figure caption: The intent of the figure is to visualize upper air temperature and circulation changes, similarity between observed and projected changes.
TS	Box TS.3, Figure 1	40 :17	Please add as first sentence to the figure caption: The intent of this figure is to illustrate high warming storylines compared to the CMIP6 multi-model-mean.
TS	TS2.4	40 :47	Salmon text {} replace {4.3} with {4.3.2}
TS	TS2.5	40 :48	Salmon text {} remove 9.4 and 9.6
TS	Figure TS.11	42 :19	Please add as first sentence to the figure caption: The intent of the figure is to show that observed projected time series of many ocean and cryosphere indicators are consistent.

TS	Box TS.4	44 :35	By 2100, GMSL is projected to rise by 0.28–0.55 m (*likely* range) under SSP1- 1.9 and 0.63–1.01 m (*likely* range) under SSP5-8.5 relative to the 1995–2014 average (*medium confidence*).
TS	Box TS.4	45 :2	By 2100, the projected rise is between 0.38 m (0.28–0.55 m, *likely range*) (SSP1-1.9) and 0.77 m (0.63–1.01 m, *likely range*) (SSP5-8.5) (Table 9.9).
TS	Box TS.4	45 :19	By 2150, considering only those processes in whose projections we have at least *medium confidence* and assuming no acceleration in ice-mass flux after 2100, GMSL is projected to rise between 0.6 m (0.4–0.9 m, *likely* range) (SSP1-1.9) and 1.3 m (1.0–1.9 m, *likely* range) (SSP5-8.5), relative to the period 1995–2014 based on the SSP scenario extensions.
TS	Box TS.4, Figure 1	45 :49	Please add as first sentence to the figure caption: The intent of the figure is to: 1) show the century-scale GMSL projections in the context of the 20th century observations; 2) illustrate "deep uncertainty" in projections by considering the timing of GMSL rise milestones; 3) show the long-term commitment associated with different warming levels, including the paleo evidence to support this.
TS	Box TS.4, Figure 1	45 :49	Box TS.4, Figure 1: is missing callouts. Please add the following to the end of the figure caption: "{4.3.2, 9.6.1, 9.6.2, 9.6.3, Box 9.4}."
TS	Box TS5	46 :31	Salmon text {} add reference to FAQ 5.1
TS	Box TS.5, Figure 1	48 :3	Please add as first sentence to the figure caption: The intent of the figure is to show the response of the carbon cycle to CO2 emissions and climate and its role in determining future CO2 levels through projected changes to sinks and sink fractions.
TS	Section TS2.6	49:5-7	Replace:" The majority of the land area has experienced decreases in available water during dry seasons due to the overall increase in evapotranspiration (*medium confidence*)." With" Human-induced climate change has contributed to increases in agricultural and ecological droughts in some regions due to increases in evapotranspiration (*medium confidence*)"
TS	Section TS2.6	49:7-8	Replace:" The land area affected by increasing drought frequency and severity will expand with increasing global warming (*high confidence*; Figure TS.12c)." With" More regions are affected by increases in agricultural and ecological droughts with increasing global warming (*high confidence*; see also Figure TS.12c) "
TS	Figure TS.12	50 :10	Please add as first sentence to the figure caption: The intent of this figure is to show that extremes and mean land variables change consistently with warming levels.To show the changes with global warming levels of water cycle indicators (i.e. precipitation and runoff) over tropical and extratropical land in terms of mean and interannual variability (interannual variability increases at a faster rate than the mean)
TS	Box TS.6, Figure 1	51 : 53	Please add as first sentence to the figure caption: The intent of the figure is to give a geographical overview of changes in multiple components of the global water cycle using an intermediate emission scenario. Important key message: without drastic reductions in GHG emissions, human- induced global warming will be associated with widespread changes in all components of the water cycle.
TS	infographic	53-54	Please add as first sentence to the figure caption: The intent of the figure is to show possible climate futures. The climate change that people will experience this century and beyond depends on our greenhouse gases emissions, how much global warming this will cause and the response of the climate system to this warming.
TS	TS.3.1	55: 20	Replace "153 [100 to 206]" with "152 [100 to 205]" (change needed for revised numbers in Ch7)

TS	TS.3.1	55: 22	Replace “Earth system heating” with “Earth energy imbalance” (previous terminology removed for FGD).
TS	TS.3.1	55:22	Replace “rate of global energy” by “annual rate of global energy”.
TS	TS3.1	56:51	Replace “1.21 [0.90 to 1.51]” by “1.19 [0.81 to 1.58]” and replace “0.33 [0.25 to 0.41]” by “0.35 [0.16 to 0.54]”
TS	TS3.2.1	58:33	Replace “These higher mean ECS and TCR values can, in some models, be traced to changes in extratropical cloud feedbacks (*medium confidence*).” with “These higher mean ECS and TCR values can be traced to a positive net cloud feedback that is larger in CMIP6 by about 20%.”
TS	TS.3.2.1	59:18	Add a sentence after “The TCRE falls likely in the 1.0°C–2.3°C per 1000 PgC range, with a best estimate of 1.65°C per 1000 PgC.”: “This is equivalent to a 0.27°C–0.63°C range with a best estimate of 0.45 °C when expressed in units per 1000 GtCO2.”
TS	TS3.2.2	61:15	Replace “ECS” by “ECS (equilibrium climate sensitivity)”
TS	Box TS9	71 :22	Salmon text {} remove the ref to {TS3.3.2} + harmonise reference to TS (i.e. not in {} but in ())
TS	Box TS12	76 :50	Salmon text {} remove the reference to {10.6.4}
TS	Box TS.12, Figure 1	77 :27	Please add as first sentence to the figure caption: The intent of the figure is to provide an example of different lines of evidence used to provide an assessment of the confidence in or likelihood of a projected change in regional climate and which of these lines of evidence are available to view and explore in the Interactive Atlas.
TS	TS4.3	85:33	Insert “The Regional Synthesis component of the Interactive Atlas provides comprehensive synthesis information about changes in all of the individual Climatic Impact-Drivers (CIDs) across all of the AR6 WG I reference regions.” after “(CIDs).”
TS	TS.4.3	86:2	In Table TS.5, add arrow (to indicate past upward trend) and “ ** ” in the cell corresponding to Small Islands – Pacific – Extreme Heat, to indicate medium confidence in attribution of observed changes
TS	Figure TS.18		Change sentence: “Coloured areas show the Chapter 4 assessed very likely range of global surface temperature projections and thick coloured central lines the median estimate, for each respective scenario, relative to the original scenario emissions.” to the following sentence: “Coloured areas show the Chapter 4 assessed very likely range of global surface temperature projections and thick coloured central lines the median estimate, for each respective scenario. These temperature projections are expressed relative to cumulative CO2 emissions that are available for emission-driven CMIP6 ScenarioMIP experiments for each respective scenario.”
TS	TS4.3 and Figure TS.22	87:18-19 and 145:18-19	Insert “and can be visualised in the Regional Synthesis component of the Interactive Atlas” after “Table TS.5” and delete “[Placeholder: This summary is also represented visually in the Interactive Atlas.]”
TS	TS.4.3.2.2	96:6	Replace “the assessment” with “some assessment”
TS	TS.4.3.2.2	96:8	Delete “+TIB”
TS	4.3.2.6	96:33	Replace “very likely” by “likely”
TS	4.3.2.7	97:12	Replace “Cross-Chapter Box Atlas.1” with “Cross-Chapter Box Atlas.2”
TS	4.3.2.7	97:21	Replace “Cross-Chapter Box Atlas.1” with “Cross-Chapter Box Atlas.2”
TS	Figure TS.23	87 :48	Please add as first sentence to the figure caption: The intent of the figure is to show for the WG I AR6 reference regions when a signal of annual mean surface temperature change emerged from the noise of interannual variability in two global datasets and thus also provide some information on observational uncertainty.
TS	Figure TS.24	88 :25	Please add as first sentence to the figure caption: The intent of the figure is to show that there is a consistent message about

			the patterns of projected change in extreme daily temperatures from the CMIP5, CMIP6 and CORDEX ensembles.
TS	Section TS4.3	87:26	Add line of line which was omitted in the FGD: {11.9, 12.4, Atlas.1} Currently TS sections in {} should be displayed in (), e.g., (Table TS.5, Figure TS.25).
TS	TS.4.3 Table TS.5	86:2	In Table TS.5 Please change color for A&E droughts from light purple to white for Pacific Islands
TS	TS.4.3 Table TS.5	86:2	Please remove footnote 5; change footnote index “6” into “5” in both table and footnote text below; change footnote index “7” into “6” in both table and footone text below; (table should be consistent with Table 12.9)
TS	TS.4.3	97:11	replace the "Small" with "Caribbean" and remove "Islands"
TS	TS4.3.2.9	98 :22	Salmon text {} add reference to {12.3.6}
TS	**Box TS.4, Figure 1 caption**	121:22	Lightly shaded thick/thin bars show 17th–83rd/5th–95th percentile
TS	Figure TS.15	129	Figure has been updated and uploaded on the Figure Manager
TS		131:7	Replace “ECS” by “ECS (equilibrium climate sensitivity)”
TS	Box TS.10, Figure 1	137 :4	Please add as first sentence to the figure caption: The intent of the figure is to show that climate change is already affecting every region across the globe with many observed changes in extremes attributable to human activity.
TS	Figure TS.22	145 :5	Please add as first sentence to the figure caption: The intent of the figure is to show that while changes in climatic impact-drivers will happen everywhere, there is a specific combination of changes in each region will experience.

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CHAPTER 1

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 1	Contributing Author List	1:18	'Gillet' should be 'Gillett'
Chapter 1	Several sections	3: 14 ; 8: 41; 43:34; 45:11; 63:14	'Cross-working group box: attribution' now has no number 1.1 except at: P45, Line 11. Should that also be ':attribution' for consistency? P8 L41; P43 L34; P63L14 does not have a hyphen between 'cross' and 'working'
Chapter 1	ES	5: 42-43	Replace "projected changes in sea level and extreme events, and attribution to anthropogenic climate change." by "observed climate changes and their attribution to human forcing, and projected changes in sea level rise and climate extremes"
Chapter 1	ES	7:9	'climate extremes' -> 'climate and weather extremes' to conform to terminology in the Cross-WG box on Attribution (and SOD review comment #26013)
Chapter 1	1.1	8:9	Replace "open," by "objective, open,".
Chapter 1	1.1	9 : 11	Replace "1990" by "1990a"
Chapter 1	Cross-Chapter Box 1.1	19:44	Add "inter alia" between "captured" and "in Article 2"
Chapter 1	1.2.3.2	33 : 12	Replace "COSEPUP, 2009" by "COSEPUP, 2009; Elliot, 2017"
Chapter 1	1.2.3.3	34 : 53	Replace "Hewitt et al., 2017" by "C.D. Hewitt et al., 2017"
Chapter 1	1.3.1	36 : 40-41	Replace "Meteorological Office and Shaw, 1920" by "Meteorological Office, 1921"
Chapter 1	1.3.2	39 : 29	Replace "Brückner, 2018 [1890]" by "Brückner, 1890"
Chapter 1	1.3.2	39 : 33	Replace "Tierney et al., 2020" by ""Tierney et al., 2020a"
Chapter 1	1.3.3	41 : 42	Replace "IPCC, 1995" by "IPCC, 1996"
Chapter 1	1.3.4	44 : 26-27	Replace "NRC Committee on a National Strategy for Advancing Climate Modeling, 2012; Brunet et al., 2015" by "NRC, 2012; WMO, 2015"
Chapter 1	1.3.5	47 : Table 1.2	Replace "National Research Council and Carbon Dioxide Assessment Committee, 1983" by "NRC, 1983"
Chapter 1	CCB 1.2	55 : 42	Replace "Millar et al., 2017a" by "Millar et al., 2017b"
Chapter 1	CCB 1.2	55 : 48-49	Replace "Beck et al., 2018b" by "J. Beck et al, 2018"
Chapter 1	1.4.2.1	57:10	Replace: "..phenomena can temporarily obscure or intensify any.." By "..phenomena can temporarily mask or intensify any.."
Chapter 1	Caption Figure 1.13	57:47	Replace * obscure or intensify anthropogenic changes in climate " By "mask or intensify anthropogenic changes in climate "
Chapter 1	1.4.4.1	62: 30	Replace "IPCC, 2014" by "IPCC, 2014b"
Chapter 1	1.4.4.2	62 : 52-53; 63 : 4; 63 : 19	Replace "Shepherd et al., 2018b" by "T.G. Shepherd et al., 2018"
Chapter 1	Cross chapter box 1.3: Risk	63:44	"**Contributing Authors:** Andy Reisinger (New Zealand), Maisa Rojas (Chile), Maarten van Aalst (Netherlands), Aïda Diongue-Niang (Senegal), Mathias Garschagen (Germany), Mark Howden (Australia), Margot Hurlbert (Canada), Katie Mach (USA), Sawsan Mustafa (Sudan), Brian O'Neill (USA), Roque Pedace (Argentina), Jana Sillmann (Norway), Carolina Vera (Argentina), David Viner (UK). "

			By **Contributing Authors:** Andy Reisinger (New Zealand), Maisa Rojas (Chile), Aïda Diongue-Niang (Senegal), Maarten van Aalst (Netherlands), Mathias Garschagen (Germany), Mark Howden (Australia), Margot Hurlbert (Canada), Katie Mach (USA), Sawsan Mustafa (Sudan), Brian O'Neill (USA), Roque Pedace (Argentina), Jana Sillmann (Norway), Carolina Vera (Argentina), David Viner (UK). "
Chapter 1	Cross chapter box 1.3: Risk	65:16	replace: " Drivers for risks related to climate change impacts include climate hazards (e.g., drought, temperature extremes, humidity), mediated by other climatic impact-drivers (e.g., increased CO2 fertilisation of certain types of crops may help increase yields)" by Drivers for risks related to climate change impacts include climatic impact-drivers (e.g., drought, temperature extremes, humidity), mediated by other climatic impact-drivers (e.g., increased CO2 fertilisation of certain types of crops may help increase yields),
Chapter 1	Cross-working group box: Attribution	67:40	List of authors of this box should have Pandora Hope as first author, Wolfgang Cramer as second author, followed by the list of contributing authors in alphabetical order: Replace "Wolfgang Cramer (France/Germany), Pandora Hope (Australia), Maarten van Aalst (Netherlands), Greg Flato (Canada), Katja Frieler (Germany), Nathan Gillett (Canada/UK), Christian Huggel (Switzerland), Jan Minx (Germany), Friederike Otto (UK/Germany), Camille Parmesan (France/UK/USA), Joeri Rogelj (UK/Belgium), Maisa Rojas (Chile), Sonia I. Seneviratne (Switzerland), Aimee Slangen (Netherlands), Daithi Stone (New Zealand), Laurent Terray (France), Robert Vautard (France), Xuebin Zhang (Canada)" by "Pandora Hope (Australia), Wolfgang Cramer (France/Germany), Maarten van Aalst (Netherlands), Greg Flato (Canada), Katja Frieler (Germany), Nathan Gillett (Canada/UK), Christian Huggel (Switzerland), Jan Minx (Germany), Friederike Otto (UK/Germany), Camille Parmesan (France/UK/USA), Joeri Rogelj (UK/Belgium), Maisa Rojas (Chile), Sonia I. Seneviratne (Switzerland), Aimee Slangen (Netherlands), Daithi Stone (New Zealand), Laurent Terray (France), Robert Vautard (France), Xuebin Zhang (Canada)"
Chapter 1	Cross-working group box: Attribution	68: 36	replace: as fit-for-purpose (Hegerl et al., 2010; Vautard et al., 2019; Otto et al., 2020; Philip et al., 2020) (WGI Chapter 1, Section 1.5). by as fit-for-purpose (Hegerl et al., 2010; Vautard et al., 2019; Otto et al., 2020; Philip et al., 2020) (WGI Chapter 1, Section 1.5; WGI Chapter 3, Section 3.8; WGI Chapter 10, Section 10.3.3.4)
Chapter 1	CWGB: Attribution	69 : 32	Replace "Shepherd et al., 2018b" by "T.G. Shepherd et al., 2018"
Chapter 1	1.4.5.1	71 : 8	Replace "Beck et al., 2018a" by "H.E. Beck et al., 2018"
Chapter 1	1.5.1.1	73 : 50-51	Replace "Steiner et al., 2019" by "Steiner et al., 2020"
Chapter 1	1.5.1.1	74 : 20-21	Replace "Brönnimann et al., 2019" by "Brönnimann et al., 2019a"

Chapter 1	1.5.1.1	75 : 2	Replace “Smith et al., 2019b” by “N. Smith et al, 2019”
Chapter 1	1.5.1.1	75 : 15	Replace “WCRP Global Sea Level Budget” by “WCRP Global Sea Level Budget Group”
Chapter 1	1.5.1.1	75 : 44	Replace “Shepherd et al., 2018, 2020” by “A. Shepherd et al., 2018, 2020”
Chapter 1	1.5.1.1	77 : 4	Replace “Grothe et al., 2019” by “Grothe et al,. 2020”
Chapter 1	1.5.1.2	78 : 8	Replace “Smith et al., 2019c” by “S.R. Smith et al., 2019”
Chapter 1	1.5.2	81 : 45	Replace “Tardif et al., 2018” by “Tardif et al., 2019”
Chapter 1	1.5.3.1	83 : 9; 84: 6	Replace “Hewitt et al., 2017b” by “Hewitt et al., 2017”
Chapter 1	1.5.3.1	84 : 40	Replace “Jones et al., 2016a” by “Jones et al., 2016”
Chapter 1	1.5.3.4	86 : 49	Replace “Meehl et al., 2007b” by “Meehl et al., 2007”
Chapter 1	1.5.3.4	87 : 38	Replace “Millar et al., 2017b” by “Millar et al., 2017a”
Chapter 1	1.5.3.4	88 : 3	Replace “Rogelj et al., 2018” by “Rogelj et al., 2018b”
Chapter 1	1.5.4.3	91 : 42	Replace “Pascoe et al., 2019” by “ Pascoe et al., 2020”
Chapter 1	1.5.4.3	91 : 54	Replace “Ma et al., 2020a” by “Ma et al., 2020”
Chapter 1	1.5.4.3	91 : 56	Replace “Feng et al., 2019” by “Feng et al., 2020”
Chapter 1	1.5.4.3	92 : Table 1.3	Replace “Jones et al., 2016a” by “Jones et al., 2016”
Chapter 1	1.5.4.3	93 : Table 1.3	Replace “Smith et al., 2019a” by “D.M. Smith et al., 2019”
Chapter 1	1.6.1	98 : 23	Replace “IPCC, 2019b” by “IPCC, 2019a”
Chapter 1	1.6.1.	99 : 3-4	Replace “(2017, 2019)” by “PAGES 2k Consortium, 2017, 2019”
Chapter 1	CCB 1.4, Table 2	106	Replace “Ma et al., 2020b” by “Ma et al., 2020”
Chapter 1	CCB 1.4	106 : 18	Replace “Jones et al., 2016b” by “Jones et al., 2016”
Chapter 1	1.6.2	111 : 45-46	Replace “Fischer et al., 2018a” by “E.M. Fischer et al., 2018”
Chapter 1	References	160:61	Missing reference: United Nations (1973). Report of the United Nations Conference on the Human Environment, UN Doc. A/CONF.48/14/Rev.1, Stockholm, 5-16 June 1972 (New York : 1973: UN), available at http://digitallibrary.un.org/record/523249.
Chapter 1	1.4.5.2	197: Figure 1.18	Figure 1.18. Reference on the 6th line of the figure caption is wrong. Replace “(IPCC, 7777)” by “(IPCC, 2013a)”.
Chapter 1	Figure 1.13	191	Change in the title: “Natural variations can temporarily obscure or intensify anthropogenic changes in climate” By “Natural variations can temporarily mask or intensify anthropogenic changes in climate”

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CHAPTER 2

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 2	Author list	1:31	Replace "Hong Kong" with "Hong Kong, China"
Chapter 2	ES	6:16-17	Replace 'medium confidence' with "High confidence" to read: "Since around 1950, GMST has increased at an observed rate unprecedented for any 50-year period in at least the last 2000 years (high confidence)." Required for consistency with changes made to SPM
Chapter 2	ES	6:10-12	Replace entire of un-bolded text with: "Temperatures as high as during the most recent decade (2011-2020) exceed the warmest centennial-scale range reconstructed for the present interglacial, around 6,500 years ago [0.2-1°C relative to 1850-1900] (medium confidence). The next older warm period is the last interglacial when the multi-centennial temperature range about 125,000 years ago [0.5-1.5°C relative to 1850-1900] encompasses the recent decade values (medium confidence)." Required for consistency with changes made to SPM Paragraph to read: **Observed changes in the atmosphere, oceans, cryosphere and biosphere provide unequivocal evidence of a world that has warmed. Over the past several decades, key indicators of the climate system are increasingly at levels unseen in centuries to millennia, and are changing at rates unprecedented in at least the last 2000 years (*high confidence*).** Temperatures as high as during the most recent decade (2011-2020) exceed the warmest centennial-scale range reconstructed for the present interglacial, around 6,500 years ago [0.2-1°C relative to 1850-1900] *(medium confidence).* The next older warm period is the last interglacial when the multi-centennial temperature range about 125,000 years ago [0.5-1.5°C relative to 1850-1900] encompasses the recent decade values *(medium confidence*).
Chapter 2	ES	7:13	An abbreviation for AIS is introduced but not GrIS (abbreviation for GrIS is introduced at 14:15). For consistency: Introduce Abbreviation for both or none.
Chapter 2	ES	7:21	Please add **new sentence** after bolded GMSL text: The average rate of sea level rise was 1.3 [0.6 to 2.1] mm yr-1 between 1901 and 1971, increasing to 1.9 [0.8 to 2.9] mm yr-1 between 1971 and 2006, and further increasing to 3.7 [3.2 to 4.2] mm yr-1 between 2006 and 2018 (high confidence). Required for consistency with changes made to SPM
Chapter 2	CCB2.1, Table 1	11	Replace "Steinthorsdottir et al., 2020" by "Steinthorsdottir et al., 2021"
Chapter 2	CCB2.1, Table 1	11	Replace "Kageyama et al., 2017; 2021" by "Kageyama et al., 2017, 2021a"
Chapter 2	2.2.1	13 : 15; 13 : 20	Replace "Wu et al., 2018" by "C.-J. Wu et al., 2018"

Chapter 2	2.2.1	13 : 16	Replace “Egorova, T. et al., 2018” by “Egorova et al., 2018”
Chapter 2	2.2.1	13 : 33	Replace “Yeo et al., 2015, 2017a” by “Yeo et al., 2015, 2017”
Chapter 2	2.2.2	14 : 45	Replace “Luo et al, 2018” by “Luo, 2018”
Chapter 2	2.2.3.1	15 : 23-24 15 : 29	Replace “Zhang et al., 2019” by “Y. Zhang et al., 2019”
Chapter 2	2.2.3.2.1	17 : 31-32	Replace “Marcott et al., 2014” by “Marcott et al., 2014a”
Chapter 2	2.2.3.2.2	18 : 7-8; 18 : 10-11	Replace “WAIS Divide Project Members, 2015” by “Buizert et al., 2015”
Chapter 2	2.2.3.2.2	18 : 15-16; 18 : 19	Replace “Mitchell et al., 2013b” by “L. Mitchell et al., 2014”
Chapter 2	2.2.4	21 : 12	Replace “Engel & Rigby, 2018; Montzka & Velders, 2018” by “Engel et al., 2018; Montzka et al., 2018b”
Chapter 2	2.2.4.1	21 : 29	Replace “Montzka et al., 2018, 2021” by “Montzka et al., 2018a, 2021”
Chapter 2	2.2.6	26 : 45	Replace “Yu et al., 2020” by “H. Yu et al., 2020”
Chapter 2	2.2.6	26 : 49	Replace “Zhao et al., 2017” by “S.-P. Zhao et al., 2017”
Chapter 2	2.2.6	27 : 28; 27 : 31;	Replace “Santer et al., (2008a)” by “Santer et al. (2008)”
Chapter 2	2.2.7	28 : 1 28 : 4	Replace “Li et al,. 2020” by “F. Li et al., 2020”
Chapter 2	2.2.7	28 : 22	Replace “Smith et al., (2020)” by “C.J. Smith et al., (2020)”
Chapter 2	2.3.3.3	28 : 28	Replace “Kopp et al., 2016b; Kemp et al., 2018a” by “Kopp et al., 2016; Kemp et al., 2018”
Chapter 2	2.3.1.1	32 : 48; 33 : 3; 33 : 37; 33 : 51	Replace “Hansen et al. (2013c)” by “J. Hansen et al. (2013)”
Chapter 2	2.3.1.1.2	35 : 38	Replace “Santer et al., (2008a)” by “Santer et al. (2008)”
Chapter 2	2.3.1.1.2	35: 25-26	Replace ‘medium confidence’ with “high confidence” to read: “Since around 1950, GMST has increased at an observed rate unprecedented for any 50-year period in at least the last 2000 years (high confidence).” Required for consistency with changes made to SPM
Chapter 2	CCB2.3	36 : 19; 36 : 29	Replace “Kadow et al. (2020a)” by “Kadow et al. (2020)”
Chapter 2	CCB2.3	37 : 50-51	Replace “Junod and Christy (2020a)” by “Junod and Christy (2020)”
Chapter 2	CCB2.3	37 : 50-51	Replace “Zhou et al., 2020” by “Zhou et al., 2020a”
Chapter 2	CCB2.3	38 : 36	Replace “Liu W. et al., 2015a” by “W. Liu et al., 2015”
Chapter 2	CCB 2.3, Table 1 caption	39:21-24	Update caption to the following: Summary of key observationally-based global warming estimates (in °C) to various reference periods in the present report and selected prior reports (AR5 WGI and SR1.5) and their principal applications (see Section 1.4.1 for further information on reference periods). Further details on data sources and processing are available in the chapter data table (Table 2.SM.1). Agreed change with TSU and Bureau
Chapter 2		39:25	All brackets in this table should be [] and not ().
Chapter 2	CCB 2.3, Table 1	39:whole table	Please change all brackets to [ ] as all fall under the very likely range Agreed change with TSU and Bureau
Chapter 2	CCB 2.3, Table 1	39:Table	**Row 1,Column 1:** Add ‘Reference’ before Period to read: “Reference Period”. **Row 1, Column 5:** Replace ‘Principle use of this period in reports’ with “Principal use of this period in this report and previous reports”

			Row 3, Column 5 (R3,C5): Replace "Attributable warming in AR6 WGI" with "Attributable warming assessment period in WGI AR6." **R4,C5**: Replace 'Energy budget constraints in AR6 on ECS and TCR' with "WGI AR6 warming estimate as a line of evidence for energy budget constraints to estimate ECS and TCR." **R5,C5**: Remove "GSAT value used for remaining carbon budgets (RCBs) in SR1.5" to just show "Warming to date in SR1.5" (the first sentence) **R6, C5**: Swap AR5 and WG1 to read: "Warming to date in WGI AR5." **R8, C5**: Add following: "This difference is used to report in this box the implications of the AR6 historical global surface temperature assessment in a way that is directly comparable to the AR5 estimate." To read in full: "Warming to recent past in AR5 WGI. This difference is used to report in this box the implications of the AR6 historical global surface temperature assessment in a way that is directly comparable to the AR5 estimate." **R9,C5**: Include AR6 and a full stop to read: Warming to reference period recommended by WMO for national-level data sets used for climate change assessment (included in the AR6 WGI Atlas). **R10, C5**: Replace full sentence with "Warming trend to date in AR5 WGI SPM and AR5 SYR." Agreed changes with TSU and Bureau (contact: Anna)
Chapter 2	CCB 2.3	40:18-19	Edit sentence to reflect the following (new in bold): "… metric being compared (GMST/GSAT, **method used to calculate a trend or change between two periods, the exact reference period used) with the best estimates (with the exception of the SR1.5 GSAT estimate) falling between 0.07 and 0.12 °C. The choice of 1850-1900 to 1986-2005 as the basis is due to the widespread use of this period across AR5 and SR1.5 in several contexts.** The AR6-assessed GMST warming……" Agreed changes with TSU and Bureau
Chapter 2	CCB 2.3 Figure 1	42:11	Please replace 'headline' with 'assessment' to read "… various steps from AR5 assessment warming-to-date…" Agreed change with TSU and Bureau
Chapter 2	2.3.1.1.3	43 : 24	Replace "Junod & Christy, 2019" by "Junod and Christy, 2020"
Chapter 2	2.3.1.1.3	43 : 52	Replace "Sun et al., 2018" by "X. Sun et al., 2018"
Chapter 2	2.3.1.1.3	44 : 2	Replace "Shi et al., 2019" by "Z. Shi et al., 2019"
Chapter 2	2.3.1.1.3	44 : 10	Replace "Simmons et al., 2010a" by "Simmons et al., 2010"
Chapter 2	2.3.1.1.3	44 : 13; Table 2.3	Replace "Kadow et al. (2020a)" by "Kadow et al. (2020)"
Chapter 2	2.3.1.1.3	45 : 7	Replace "Huang et al., 2019" by "B. Huang et al., 2019"
Chapter 2	2.3.1.1.3	45 : 15	Replace "Kobayashi et al., 2015" by "Harada et al., 2016"
Chapter 2	2.3.1.1.3	45 : 40	Replace "Santer et al., (2008a)" by "Santer et al. (2008)"
Chapter 2	2.3.1.2.1	47 : 18-19	Replace "Zhou et al., 2020" by "Zhou et al., 2020b"
Chapter 2	2.3.1.2.1	47 : 47	Replace "Steiner et al., 2013, 2020a" by "Steiner et al., 2013, 2020"
Chapter 2	2.3.1.2.1	47 : 49	Replace "Steiner et al., 2020a" by "Steiner et al., 2020"
Chapter 2	2.3.1.2.1	48 : 31	Replace "Xian and Homeyer, 2018" by "Xian and Homeyer, 2019"
Chapter 2	2.3.1.2.1	48 : 38	Replace "Scherllin-Pirscher et al., 2020" by "Scherllin-Pirscher et al., 2021"

Chapter 2	2.3.1.2.2	49 : 5	Replace “Santer et al., (2008a)” by “Santer et al. (2008)”
Chapter 2	2.3.1.3.2	52 : 12-13	Replace “Santer et al (2008a)” by “Santer et al. (2008)”
Chapter 2	2.3.1.3.3	52 : 49	Replace “Schröder et al., 2019a” by “(Schröder et al., 2019”
Chapter 2	2.3.1.3.4	53 : 43	Replace “Sun et al., 2018a” by “Q. Sun et al., 2018”
Chapter 2	2.3.1.3.4	53 : 45-46	Replace “Hu Q. et al., 2019” by “Hu et al., 2019”
Chapter 2	2.3.1.3.4	53-54: 56 - 1	Replace “Li X. et al., 2016” by “Li et al., 2016”
Chapter 2	2.3.1.3.4	54 : 20 54 : 33	Replace “Santer et al. (2008a)” by “Santer et al. (2008)”
Chapter 2	2.3.1.3.5	55 : 7-8	Replace “Skliris et al., 2014a” by “Skliris et al., 2014”
Chapter 2	2.3.1.3.5	56 : 55	Replace “Wirth et al., 2013a” by “Wirth et al., 2013”
Chapter 2	2.3.1.4.1	57 : 41	Replace “Huang et al., 2019” by “R. Huang et al., 2019”
Chapter 2	2.3.1.4.2	59 : 3	Replace “Liu Yi et al., 2015” by “Y. Liu et al., 2015b”
Chapter 2	2.3.1.4.2	59 : 20	Replace by “Huang X. et al., 2019; Kitoh et al., 2013; Wang B. et al., 2018; 2020” by “Kitoh et al., 2013; B. Wang et al., 2018; X. Huang et al., 2019b; Wang et al., 2021”
Chapter 2	2.3.1.4.1	59 : 29	Replace “Kitoh et al., 2013b” by “Kitoh et al., 2013”
Chapter 2	2.3.1.4.2	59:24	Insert comma after ‘et al.’
Chapter 2	2.3.1.4.2	60 : 3	Replace “Wang et al., 2017” by “J. Wang et al., 2017a”
Chapter 2	2.3.1.4.3	60 : 12	Replace “Lee et al., 2019” by “S.H. Lee et al., 2019”
Chapter 2	2.3.1.4.3	60 : 26	Replace “Wang et al., 2017” by “J. Wang et al., 2017a”
Chapter 2	2.3.1.4.3	60 : 30	Replace “Wang et al., 2016” by “X.L. Wang et al., 2016”
Chapter 2	2.3.1.4.3	61 : 23	Replace “Santer et al (2008a)” by “Santer et al. (2008)”
Chapter 2	2.3.1.4.3	61 : 43	Replace “Wu et al., 2018” by “J. Wu et al., 2018”
Chapter 2	2.3.1.4.3	61 : 45	Replace “Zeng et al., 2019” by “Zeng et al., 2019b”
Chapter 2	2.3.1.4.4	61 : 67	Replace “Santer et al (2008c)” by “Santer et al. (2008)”
Chapter 2	2.3.1.4.5	62 : 43; 62 : 45	Replace “Mitchell et al., 2013a” by “D.M. Mitchell et al., 2013”
Chapter 2	2.3.1.4.5	63 : 3	Replace “Hu et al., 2018” by “D. Hu et al., 2018”
Chapter 2	2.3.1.4.5	63:18	Replace ‘likely’ with ‘potential’ to read “despite the interest in the ozone hole and the potential impact…” Intent was not to use likelihood language (slipped through in CLA checks)
Chapter 2	2.3.2.1.1	63:55	Citations (Feng …) should be in chronological order.
Chapter 2	2.3.2.1.1	64:13	Citations (Brennan …) should be in chronological order.
Chapter 2	2.3.2.1.1	64:12-15	TS changed "current" to "last decade" in reference to chapter 2 statement on Arctic sea ice. Should read: "~~Current p~~Pan-Arctic SIE conditions (annual means and late summer)~~are~~ during the last decade were unprecedented since at least 1850 (Brennan et al., 2020; Walsh et al., 2017; 2019, Figure 2.20a), while, as reported in SROCC, there remains medium confidence that ~~the current~~ September (late summer) Arctic sea ice loss ~~is~~ during the last decade was unprecedented during the past 1 kyr." Required for TS and SPM consistency
Chapter 2	2.3.2.1.1	64:50	The reference **Perovich et al. 2020** is missing in the reference list. It needs to be added. This is from the State of the Climate report, see https://doi.org/10.1175/BAMS-D-20-0086.1. Perovich, D., W., Meier, M. Tschudi, K. Wood, S. Farrell, S. Hendricks, S. Gerland, L. Kaleschke, R. Ricker, X. Tian-Kunze, and M. Webster (2020): Section 5d. Sea ice. Section [in “State of the Climate in 2019"]. Bull. Amer. Meteor. Soc., 101 (8), S263–S265. DOI: 10.1175/BAMS-D-20-0086.1.
Chapter 2	2.3.2.1	64 : 2	Replace “Kageyama et al., 2021” by “Kageyama et al., 2021b”
Chapter 2	2.3.2.1.1	65:6-7	Remove ‘a’ from King et al. 2018a. Only one King et al. 2018 in bibliography.

Chapter 2	2.3.2.1.1	65:8	References: (Hansen E. et al., 2013; King et al., 2018; Renner et al., 2014; Rösel et al., 2018; Spreen et al., 2020). are not all in chronological order.
Chapter 2	2.3.2.1.1	65 : 6-7	Replace “King et al., 2018a” by “King et al., 2018”
Chapter 2	2.3.2.4.1	69:35	Insert comma after ‘et al.’
Chapter 2	2.3.2.4.1 Figure 2.24 Caption	70: 16-17	**Issue:** Error in data range – was not updated to reflect that time series is for 1992-2020 for both ice sheets. **Proposed resolution:** Revise text **from:** “are in gigatons and come from satellite-based measurements (IMBIE Consortium, 2018, 2020) for the period 1992–2018 for GrIS and 1992–2017 for AIS.” **to:** “are in gigatons and come from satellite-based measurements (IMBIE Consortium, 2018, 2020) for the period 1992–2020.” Note from Author (Sharon Smith): The link to this updated version of the data set is https://doi.org/10.5285/77B64C55-7166-4A06-9DEF-2E400398E452 Antarctic and Greenland Ice Sheet mass balance 1992-2020 for IPCC AR6 This is not the IMBIE Consortium link where the ice sheet data resides (and link used for FAIR data table) and that site has not been updated yet. I’m assuming it will eventually be updated with this new dataset but for now it seems to be a data set specifically updated for AR6 with its own doi number. I’m not sure whether this link should go in the figure caption itself or FAIR data table.
Chapter 2	2.3.2.4.2	70:50 and reference list	“Wilson et al. 2018” reference incorrect. Wrong Wilson et al. 2018 paper, please replace with: Wilson et al. 2018: Ice loss from the East Antarctic Ice Sheet during late Pleistocene interglacials. https://www.nature.com/articles/s41586-018-0501-8 And remove currently existing Wilson et al. 2018 from reference list (Glacial lakes of central and Patagonian Andes) as it is no longer cited.
Chapter 2	2.3.2.4.2	70 : 50	Change reference details for “Wilson et al., 2018” to https://www.nature.com/articles/s41586-018-0501-8
Chapter 2	2.3.3.4.1	70 : 52	Replace “Mokeddem et al., 2014” by “Mokeddem et al., 2014a”. Replace “Huang et al., 2020” by “H. Huang et al., 2020”
Chapter 2	2.3.2.4.2	71 : 21	Replace “Smith et al,. 2020” by “B. Smith et al., 2020”
Chapter 2	2.3.2.5	71 : 53	Replace “Treat and Jones, 2018a” by “Treat and Jones, 2018”
Chapter 2	2.3.2.5	72 : 1	Replace “Treat and Jones, 2018b” by “Treat and Jones, 2018”
Chapter 2	2.3.2.5	72 : 3	Replace “Jones et al., 2016” by “B.M. Jones et al., 2016”
Chapter 2	2.3.2.5	72:29	Insert comma after ‘et al.’
Chapter 2	2.3.2.5	72:34	Insert comma after ‘et al.’
Chapter 2	2.3.3.1	73:51	Insert comma after ‘et al.’
Chapter 2	2.3.3.1	73 : 48	Replace “Wang et al., 2018” by “B Wang et al., 2018”
Chapter 2	2.3.3.2	75 : 11	Replace “Unesco, 1981” by “UNESCO/ICES/SCOR/IAPSO, 1981”
Chapter 2	2.3.3.3	78 : 2	Replace “T-Y. Pan” by “Pan, Y-T.”
Chapter 2	2.3.3.3	78 : 21	Replace “Kopp et al., 2016a” by “Kopp et al., 2016”
Chapter 2	2.3.3.3	78 : 31-32	Replace “Kemp et al., 2018b” by “Kemp et al., 2018”
Chapter 2	2.3.3.3	78 : 34	Replace “Kopp et al., 2016a; Kemp et al., 2018a” by “Kopp et al., 2016; Kemp et al., 2018”
Chapter 2	2.3.3.3	79:8-10	Please replace entire opening sentence with: Based on the ensemble approach of Palmer et al (2021) and an updated WCRP (2018) assessment (Figure 2.28) GMSL rose at a rate of 1.32 [0.58 to 2.06] mm yr-1 for the period 1901–1971, increasing to 1.87 [0.82 to 2.92] mm yr-1 between 1971 and 2006, and further increasing to 3.69 [3.21 to 4.17] mm yr-1 for 2006–2018 (high confidence). Original sentence for search accuracy: “*Based on the ensemble approach of Palmer et al (2021) and an updated WCRP (2018) assessment (Figure 2.28) GMSL rose at a*

			rate of 1.35 [0.78 to 1.92] mm yr^{-1} for the period 1901–1990 and 3.25 [2.88 to 3.61] mm yr^{-1} for 1993–2018 (high confidence).” Required for SPM consistency after post-FGD edits
Chapter 2	2.3.3.3	79:13	Insert comma after ‘et al.’
Chapter 2	2.3.3.4	80 : 24	Replace “Worthington et al., 2020” by “Worthington et al., 2021”
Chapter 2	2.3.3.4.2	81 : 32	Replace “Yang H et al., 2020” by “Yang et al., 2020”
Chapter 2	2.3.3.4.2	81 : 35	Replace “Y.-L. Wang et al., 2016” by “Y.-L. Wang et al., 2016”
Chapter 2	2.3.3.4.2	81 : 52	Replace “Liu et al. (2015)” by “Q.-Y. Liu et al. (2015)”
Chapter 2	2.3.3.4.2	81 : 54	Replace “Li et al., 2018” by “M. Li et al., 2018”
Chapter 2	2.3.3.5	82 : 28	Replace “Turner et al., 2018” by “Kirtland Turner et al., 2018”
Chapter 2		83:5	Insert comma after ‘et al.’
Chapter 2		83:15	Insert comma after ‘et al.’
Chapter 2		84:22	Insert comma after ‘et al.’
Chapter 2	2.3.3.6	84 : 31; 84 : 36-37	Replace “Naqvi et al., 2018” by “Al-Said et al., 2018”
Chapter 2	2.3.4	85 : 11-12	Replace “Graven et al., 2013b” by “Graven et al., 2013”
Chapter 2	2.3.4	85 : 14	Replace “Graven et al., 2013a” by “Graven et al., 2013”
Chapter 2	2.3.4.2.1	86 : 22-23	Replace “Racault et al., 2017b” by “Racault et al., 2017a”
Chapter 2	2.3.4.2	86 : 32	Replace “Santer et al (2008c)” by “Santer et al. (2008)”
Chapter 2		87:8	Insert comma after ‘et al.’
Chapter 2	2.3.4.2.3	89 : 34	Replace “Donat et al., 2013” by “Donat et al., 2013b”
Chapter 2	2.3.4.3.1	90 : 6	Replace “Sha, 2019” by “Sha et al, 2019”
Chapter 2	2.3.4.3.2	90 : 11	Replace “Marquer et al., 2017c” by “Marquer et al., 2017”
Chapter 2	2.3.4.3.1	90 : 39	Replace “Harsch et al., 2009b” by “Harsch et al., 2009”
Chapter 2	2.3.4.3.3	91 : 14	Replace ““(Liu et al., 2015c). Pan et al. (2018a)”. “ by “2010s (Y. Liu et al., 2015a). N. Pan et al. (2018)”
Chapter 2	2.3.4.3.3	91 : 18-19	Replace “Chen et al., 2019” by “C. Chen et al., 2019”
Chapter 2	2.3.4.3.3	91 : 27	Replace “Chen et al., 2019” by “X. Chen et al., 2019”
Chapter 2	2.3.4.3.3	91: 29	Replace “Wang et al., 2018” by “Y. Wang et al., 2018”
Chapter 2	2.3.4.3.3	91 : 33	Replace “Pan et al., 2018a” by “T.-Y. Pan et al., 2018”
Chapter 2	2.3.4.3.3	91 : 40	Replace “Santer et al (2008c)” by “Santer et al. (2008)”
Chapter 2	2.3.4.3.3	91 : 51-52	Replace “Pan et al. (2018a)” by “N. Pan et al. (2018)”
Chapter 2	2.3.4.3.3	92 : 3	Replace “Wang et al., 2016” by “S. Wang et al., 2016”
Chapter 2	CCB2.4	94 : 24	Replace “Huang X. et al., 2019” by “X. Huang et al., 2019a”. Replace “Zhang et al., 2019” by “R. Zhang et al., 2019”.
Chapter 2	2.4.1.2	96 : 44-46	Replace “Lee J. et al., 2019a” by “J. Lee et al., 2019”
Chapter 2	2.4.1.2	96 : 47	Replace “Jones et al., 2016b” by “J.M. Jones et al., 2016”
Chapter 2	2.4.1.2	96 : 49	Replace “IPCC, 2019b” by “IPCC, 2019”
Chapter 2		99:27	Insert comma after ‘et al.’
Chapter 2	2.4.3	100 : 9	Replace “Abram et al., 2020a” by “Abram et al., 2020b”
Chapter 2	2.4.3	100 : 13	Replace “Abram et al., 2020b” by “Abram et al., 2020a”
Chapter 2	2.4.4	101 : 11	Replace “Svendsen et al., 2014” by “Svendsen et al., 2014a”
Chapter 2	2.4.5	102 : 4	Replace “Han et al,. 2013” by “Han et al., 2014”
Chapter 2	2.4.5	102 : 45-46	Replace “Wang et al., 2017b” by “J. Wang et al., 2017b”
Chapter 2	2.4.5	102 : 45-46	Replace “Svendsen et al., 2014a” by “Svendsen et al., 2014b”
Chapter 2	2.4.5	102 : 49	Replace “Wang J. et al., 2017b” by “J. Wang et al., 2017b”
Chapter 2	2.4.5	103 : 6	Replace “Svendsen et al., 2014a” by “Svendsen et al., 2014b”
Chapter 2		112 :39	Reference “Blunden and Arndt, 2019” still included in list, but not cited anymore. Propose to remove from reference list.
Chapter 2		131 :44	TSU (Robin) previously notified of following reference update: Hugonnet et al. 2021 is now published, but here still listed as in press at the end of the reference. see link: https://www.nature.com/articles/s41586-021-03436-z

Chapter 2	Figure 2.1	170	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
Chapter 2	Figure 2.10	180:1	**Changes made: New version uploaded to figure manager.** Minor changes made to Figure 2.10 The y-axis for the inset plot ('rate of change anthropogenic ERF') was stretched accidently. Not all data fit into the resulting plot. This has now been rectified.
Chapter 2	Figures CCB 2.3 Figure 1	183:1	**Changes made: New version uploaded to figure manager.** Several minor amendments made to Cross-Chapter Box 2.3 Figure 1: Replaced second “changes” with “estimates” in main title. Replaced 'Anomaly from 1850-1900 mean’ with 'Anomaly relative to 1961-1990 mean' on vertical main axis. Flipped the colours of AR5 and AR6 in the legend to reflect the data shown. AR5 should be Orange and AR6 should be Blue. Changed “AR5-AR6” to “AR6-AR5” in plot and right hand vertical axis. Changed ‘headline’ to ‘assessment’ in (a).
Chapter 2	Figures CCB 2.3 Figure 1	183:4	Change ‘headline’ to ‘assessment’ to read: “… various steps from AR5 assessment warming-to-date…”
Chapter 2	Figure 2.12	184:7	Add ‘(c)’ so that the sentence reads: “… no the absolute trends. (b) (c) Trends in temperature at various…”
Chapter 2	Figures, Figure 2.26	198:3	Remove capital letter from ‘Ocean’ OR add capital letters to ‘Heat Content’ to read either ‘Ocean Heat Content (OHC)’ or ‘ocean heat content (OHC)’.
Chapter 2	Figures, Figure 2.26	198:6/7	Remove ‘all of which are broadly similar’ to read: “…(a) but for 0-2000 m depths only and reflecting the broad range of available estimates over this period.”
Chapter 2	Figures, Figure 2.30	202: 1	**Changes made: New version uploaded to figure manager.** Seasonal Amplitude (ppm) Barrow data updated due to an error in the original processing.

AR6 WGI Report – List of corrigenda to be implemented

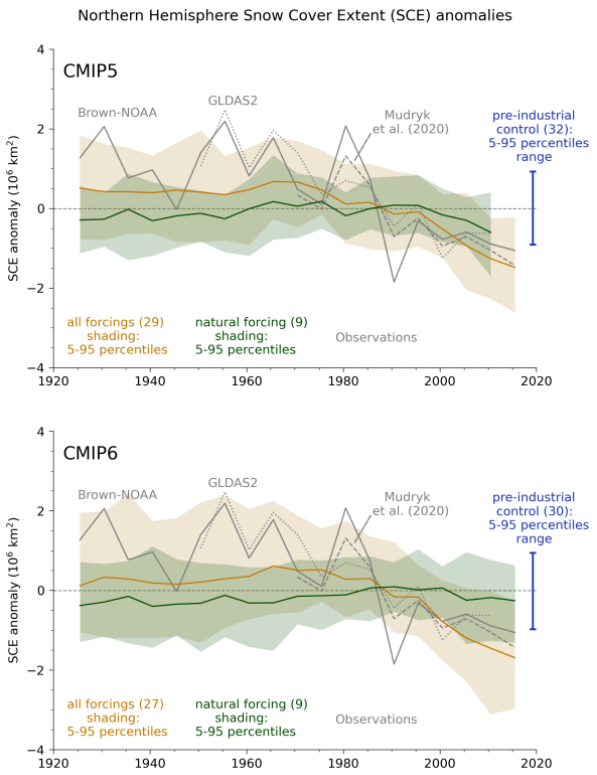
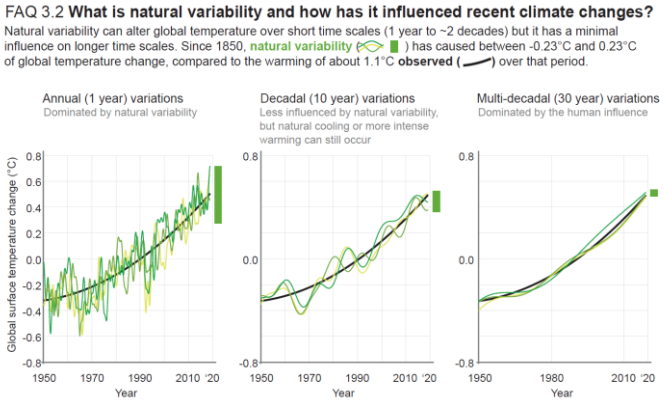
The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 3

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 3	3.1	9 : 21	Replace “IPCC, 2019” by “IPCC, 2019b”
Chapter 3	3.1	9 : 40	Replace “Gillett et al., 2016a” by “Gillett et al., 2016”
Chapter 3	3.1	9 : 43	Replace “Kageyama et al,. 2018a” by “Kageyama et al,. 2018”
Chapter 3	3.1	11 : 26	Replace “Allen and Tett, 1999b” by “Allen and Tett, 1999”
Chapter 3	3.2.2	12 : 20	Replace “Yan et al., 2016b” by “X. Yan et al., 2016”
Chapter 3	3.3.1.1	13 : 52	Replace “Tierney et al. (2020)” by “Tierney et al. (2020b)”
Chapter 3	3.3.1.1	15 : 28	Replace “Wu et al., 2019e” by “T. Wu et al., 2019b”
Chapter 3	3.3.1.1	15 : 28	Replace “Boucher et al., 2020a” by “Boucher et al., 2020”
Chapter 3	3.3.1.1	16 : 9-10	Replace “Zhu et al., 2020a” by “F. Zhu et al., 2020”
Chapter 3	3.3.1.1	17 : 12	Replace “Brown et al. (2016)” by “Brown et al. (2016a)”
Chapter 3	3.3.1.1	17 : 23	Replace “Zhu et al., 2019a” by “Zhu et al., 2019”
Chapter 3	3.3.1.1	19 : 18-19	Replace “Schurer et al., 2014a” by “Schurer et al., 2014”
Chapter 3	3.3.1.1	19 : 20-21; 19 : 50-51	Replace “Schurer et al., 2014b” by “Schurer et al., 2014”
Chapter 3	3.3.1.1	19 : 55	Replace “Jones et al. (2016a)” by “Jones et al. (2016)”
Chapter 3	3.3.1.1	22 : 16	Replace “Gillett et al., 2016b” by “Gillett et al., 2016”
Chapter 3	3.3.1.1 Table 1	23: Table 1, first row at the page, last column	Replace the warming rate 2010-2019 for Gillett et al. (2021) from “0.36” to “0.35”.
Chapter 3	3.3.1.2	26 : 10	Replace “Karpechko et al., 2018b” by “Karpechko et al., 2018a”
Chapter 3	CCB3.1	27 : 48	Replace “C.-Y. Wang et al., 2017a” by “C.-Y. Wang et al., 2017”
Chapter 3	CCB3.1	27 : 53-54	Replace “Li et al., 2015; Deser et al., 2017” by “C. Li et al., 2015; Deser et al., 2017a”
Chapter 3	CCB3.1	28 : 33	Replace “Su et al., 2017a” by “H. Su et al., 2017”
Chapter 3	CCB3.1	28 : 38-39	Replace “Yan et al., 2016c” by “X.H. Yan et al., 2016”
Chapter 3	CCB3.1	28 : 42	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”
Chapter 3	CCB3.1	28 : 46	Replace “Liu et al., 2016b” by “W. Liu et al., 2016”
Chapter 3	CCB3.1	29 : 6-8	Replace “Su et al., 2017b” by “J. Su et al., 2017”
Chapter 3	CCB3.1	29 : 12	Replace “Meehl et al., 2016c” by “Meehl et al., 2016a”
Chapter 3	3.3.2	30 : 5	Replace “Hoell et al., 2017a” by “Hoell et al., 2017”
Chapter 3	3.3.2	30 : 8	Replace “Hoell et al., 2017b” by “Hoell et al., 2017”
Chapter 3	3.3.2	30 : 24-25	Replace “DiNezio and Tierney, 2013a” by “DiNezio and Tierney, 2013”
Chapter 3	3.3.2	30 : 26	Replace “Tierney et al,. 2017a” by “Tierney et al,. 2017”
Chapter 3	3.3.2	30 : 29	Replace “Tierney et al,. 2017b” by “Tierney et al,. 2017”
Chapter 3	3.3.2	30 : 46	Replace “Tierney, 2013b” by “Tierney, 2013”
Chapter 3	3.3.2.2	32 : 50 – 33 : 4	Replace “Li et al. (2016b)” by “X. Li et al. (2016)”
Chapter 3	3.3.2.2	33 : 11	Replace “Wang, 2014a” by “Wang, 2014”
Chapter 3	3.3.2.2	33 : 15	Replace “Lee and Wang, 2014b” by “Lee and Wang, 2014”
Chapter 3	3.3.2.2	33 : 32	Replace “Zhou et al., 2020a” by “S. Zhou et al., 2020”
Chapter 3	3.3.2.2	34 : 28-29	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”
Chapter 3	3.3.2.3	37 : 2	Replace “Yang et al. (2017)” by “H. Yang et al. (2017)”
Chapter 3	3.3.2.3	39 : 21	Replace “Paik et al. (2020)” by “Paik et al. (2020b)”

Chapter 3	3.3.3.1	40 : 1	Replace “Gerber and Son, 2014a” by “Gerber and Son, 2014”
Chapter 3	3.3.3.1	40 : 15	Replace “Tao et al., 2016” by “L. Tao et al., 2016”
Chapter 3	3.3.3.1	40 : 18-19	By “Gerber and Son, 2014b; Nguyen et al., 2015; Tao et al., 2016a; Kim et al., 19 2017b) “ by “Gerber and Son, 2014; Nguyen et al., 2015; L. Tao et al., 2016; Y.H. Kim et al., 2017”
Chapter 3	3.3.3.1	40 : 30	Replace “Ma and Zhou, 2016a” by “Ma and Zhou, 2016”
Chapter 3	3.3.3.1	41 : 13	Replace “Takahashi and Watanabe, 2016a” by “Takahashi and Watanabe, 2016”
Chapter 3	3.3.3.1	41 : 15	Replace “Li et al. (2015d)” by “X. Li et al. (2015)”
Chapter 3	3.3.3.2	42 : 13	Replace “Wang et al., 2014b” by “P.X. Wang et al., 2014”
Chapter 3	3.3.3.2	42 : 29	Replace “Tierney, 2017c” by “Tierney, 2017”
Chapter 3	3.3.3.2	42 : 34	Replace “Li et al. (2018a)” by “X. Li et al. (2018)”
Chapter 3	3.3.3.2	42 : 35	Replace “Zhang et al., 2019” by “R. Zhang et al., 2019”
Chapter 3	3.3.3.2	42 : 50	Replace “Tierney, 2017d” by “Tierney, 2017”
Chapter 3	3.3.3.2	43 : 10	Replace “Lee and Wang, 2014b; Yan et al., 2016a” by “Lee and Wang, 2014; M. Yan et al., 2016”
Chapter 3	3.3.3.2	43 : 10	Replace “Wang et al. (2020)” by “B. Wang et al. (2020)”
Chapter 3	3.3.3.2	43 : 14	Replace “Lee and Wang, 2014b” by “Lee and Wang, 2014”
Chapter 3	3.3.3.2	43 : 19	Replace “Zhang et al., 2018b” by “L. Zhang et al., 2018”
Chapter 3	3.3.3.2	43 : 24	Replace “Zhang et al., 2018b” by “Y. Zhang et al., 2018”
Chapter 3	3.3.3.2	43 : 30	Replace “Zhang et al., 2018b” by “L. Zhang et al., 2018b”
Chapter 3	3.3.3.2	43 : 30	Replace “Zhang et al., 2018c” by “Y. Zhang et al., 2018”
Chapter 3	3.3.3.2	43 : 32	Replace “Zhang et al., 2018c” by “Y. Zhang et al., 2018”
Chapter 3	3.3.3.2	43 : 32-34	Replace “Zhou et al., 2020b” by “T. Zhou et al., 2020”
Chapter 3	3.3.3.2	43 : 36	Replace “Wang et al., 2013a” by “Wang et al., 2013”
Chapter 3	3.3.3.2	43 : 36	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”
Chapter 3	3.3.3.2	43 : 39	Replace “Zhang et al., 2018b” by “Y. Zhang et al., 2018”
Chapter 3	3.3.3.2	43 : 49	Replace “Wang et al., 2013b” by “Wang et al., 2013”
Chapter 3	3.3.3.3	45 : 4	Replace “Woollings et al., 2018” by “Woollings et al., 2018b”
Chapter 3	3.3.3.3	45 : 18	Replace “Yang et al. (2018b)” by “M. Yang et al. (2018)”
Chapter 3	3.3.3.3	46 : 3	Replace “D’Andrea, 2016b; O’Reilly et al., 2016b” by “D’Andrea, 2016; O’Reilly et al., 2016a”
Chapter 3	3.3.3.3	46 : 4	Replace “Davini and D’Andrea, 2016b” by “Davini and D’Andrea, 2016”
Chapter 3	3.3.3.3	46 : 20-21	Replace “Karpechko et al., 2018b; Son et al., 2018a” by “Karpechko et al., 2018a; Son et al., 2018”
Chapter 3	3.3.3.3	47 : 14	Replace “Butler et al., 2015a” by “Butler et al., 2015”
Chapter 3	3.3.3.4	47 : 22-30	Replace “Kim et al., 2017a” by “J. Kim et al., 2017”
Chapter 3	3.4.1.1	48 : 21	Replace “Min et al., 2008” by “Min et al., 2008b”
Chapter 3	3.4.1.1	48 : 26	Replace “Gagné et al. (2017a)” by “Gagné et al. (2017b)”
Chapter 3	3.4.1.1	48 : 28	Replace “Gagné et al. (2017a)” by “Gagné et al. (2017b)”
Chapter 3	3.4.1.1	48 : 43	Replace “Kay et al., 2012” by “Kay et al., 2011”
Chapter 3	3.4.1.2	49 : 53-54	Replace “Wang et al. (2019a)” by “G. Wang et al. (2019)”
Chapter 3	3.4.1.2	50 : 7=8	Replace “Meehl et al., 2016a” by “Meehl et al., 2016c”
Chapter 3	3.4.1.2	50 : 24	Replace “Zhang et al., 2017, 2019a” by “Zhang et al., 2017; L. Zhang et al., 2019”
Chapter 3	3.4.2	51 : 24	Replace “Li et al., 2016c” by “Y. Li et al., 2016”
Chapter 3	3.4.2	51 : 45	Replace “Paik et al., 2020a” by “Paik et al., 2020”
Chapter 3	3.4.3	52 : 45	Replace “Church et al., 2013b” by “Church et al., 2013a”
Chapter 3	3.4.3.1	53 : 23-29	Replace “Roe et al. (2020)” by “Roe et al. (2021)”
Chapter 3	3.4.3.1	53 : 32	Replace “Roe et al. (2017, 2020)” by “Roe et al. (2017, 2021)”
Chapter 3	3.4.3.2	54 : 7-10	Replace “Sasgen et al., 2020a; Tedesco and Fettweis, 2020a” by “Sasgen et al., 2020; Tedesco and Fettweis, 2020”
Chapter 3	3.5.1.1	56 : 17-18	Replace “Zhu et al., 2020b” by “Y. Zhu et al., 2020”
Chapter 3	3.5.1.2	56 : 34	Replace “Fathrio et al., 2017a” by “Fathrio et al., 2017b”
Chapter 3	3.5.1.3	59 : 13	Replace “Durack et al., 2014b” by “Durack et al., 2014a”
Chapter 3	3.5.1.3	60 : 42-43	Replace “Durack et al., 2014a” by “Durack et al., 2014b”
Chapter 3	3.5.2	61 : 18	Replace “Wang et al. (2019b)” by “Z. Wang et al. (2019b)”
Chapter 3	3.5.2.1	61 : 35	Replace “Fathrio et al., 2017b” by “Fathrio et al., 2017a”
Chapter 3	3.5.2.2	62 : 33	Replace “Durack et al., 2014b” by “Durack et al., 2014a”

Chapter 3	3.5.2.2	62 : 44-48	Replace “Durack et al., 2014a” by “Durack et al., 2014b”
Chapter 3	3.5.3	49 : 63	Replace “Church et al., 2013a” by “Church et al., 2013b”
Chapter 3	3.5.4.1	66 : 12	Replace “Wang et al. (2014a)” by “C. Wang et al. (2014)”
Chapter 3	3.5.4.1	66 : 39-40	Replace “Liu et al., 2017a” by “W. Wang et al., 2017”
Chapter 3	3.5.4.2	68 : 24	Replace “Bracegirdle et al., 2020a” by “Bracegirdle et al., 2020”
Chapter 3	3.6.1	69 : 9-37	Replace “Thomas et al., 2015b” by “R.Q. Thomas et al., 2015”
Chapter 3	3.6.1	70 : 24	Replace “Li et al., 2018b; Wang et al., 2020b” by “Z. Li et al., 2018a; K. Wang et al., 2020”
Chapter 3	3.6.1	70 : 31	Replace “Graven et al., 2013a” by “Graven et al., 2013”
Chapter 3	3.6.1	70 : 39	Replace “Graven et al., 2013b” by “Graven et al., 2013”
Chapter 3	3.6.1	70 : 41	Replace “Wang et al. (2020b)” by “K. Wang et al. (2020b)”
Chapter 3	3.6.1	70 : 44	Replace “Yang et al., 2018a” by “H. Yang et al., 2018”
Chapter 3	3.6.1	70 : 48	Replace “Z. Li et al., 2018b” by “Z. Li et al., 2018c”
Chapter 3	3.6.1	72 : 51	Replace “Li et al., 2016a” by “Li et al., 2016”
Chapter 3	3.7.1	74 : 40-41 76 : 22-23	Replace “O’Reilly et al., 2019a” by “O’Reilly et al., 2019b”
Chapter 3	3.7.1	74 : 52	Replace “Wang et al., 2017c” by “X. Wang et al., 2017”
Chapter 3	3.7.1	75 : 18	Replace “Kim et al., 2014” by “B.M. Kim et al., 2014”
Chapter 3	3.7.1	75 : 24	Replace “Ding et al., 2017b” by “Ding et al., 2017”
Chapter 3	3.7.1	75 : 35	Replace “Karpechko et al., 2018a” by “Karpechko et al., 2018b”
Chapter 3	3.7.2	77 : 49 77 : 54	Replace “Bracegirdle et al., 2020b” by “Bracegirdle et al., 2020”
Chapter 3	3.7.2	77 : 56-57	Replace “Son et al., 2018b” by “Son et al., 2018”
Chapter 3	3.7.2	78 : 8	Replace “Thomas et al., 2015” by “J.L. Thomas et al. (2015)”
Chapter 3	3.7.2	78 : 20	Replace “Gerber and Son, 2014a; Son et al., 2018a” by “Gerber and Son, 2014; Son et al., 2018”
Chapter 3	3.7.3	80 : 30 81 : 16 81 : 18 81 : 34-35	Replace “Taschetto et al., 2014a” by “Taschetto et al., 2014”
Chapter 3	3.7.3	81 : 5 81 : 8	Replace “Hope et al., 2017b” by “Hope et al., 2017”
Chapter 3	3.7.3	81 : 40	Replace “Liu et al,. 2017” by “Y. Liu et al,. 2017”
Chapter 3	3.7.3	81 : 46-47	Replace “Taschetto et al., 2014b” by “Taschetto et al., 2014”
Chapter 3	3.7.3	82 : 10	Replace “Power and Delage, 2018a” by “Power and Delage, 2018”
Chapter 3	3.7.3	82 : 46 82 : 52-53	Replace “Vijayeta and Dommenget, 2017a” by “Vijayeta and Dommenget, 2017”
Chapter 3	3.7.3	82 : 52	Replace “Kim et al., 2014b” by “S.T. Kim et al,. 2014”
Chapter 3	3.7.4	83 : 37 83 : 38 83 : 39 83 : 47	Replace “Tao et al., 2016b” by “W. Tao et al., 2016”
Chapter 3	3.7.4	83 : 43 83 : 46	Replace “G. Li et al., 2015b” by “G. Li et al., 2015a”
Chapter 3	3.7.4	83 : 55	Replace “G. Li et al., 2015a” by “G. Li et al., 2015b”
Chapter 3	3.7.4	84 : 24	Replace “Han et al., 2014c” by “Han et al., 2014b”
Chapter 3	3.7.4	84 : 43	Replace “Zhang et al., 2018a” by “L. Zhang et al., 2018a”
Chapter 3	3.7.5	85 : 24	Replace “Yang et al., 2017b” by “Y. Yang et al., 2017”
Chapter 3	3.7.6	87 : 33	Replace “Li et al., 2015d” by “Li et al., 2015”
Chapter 3	3.7.7	88 : 56	Replace “Wu et al., 2019” by “T. Wu et al., 2019a”
Chapter 3	3.7.7	89 : 10	Replace “Kim et al., 2018b” by “Kim et al., 2018a”
Chapter 3	3.7.7	89 : 16	Replace “O’Reilly et al., 2016a, 2019b” by “O’Reilly et al., 2016b, 2019a”
Chapter 3	3.7.7	89 : 16-17	Replace “Sun et al., 2019” by “Sun et al., 2020”
Chapter 3	3.7.7	89 : 22	Replace “Brown et al., 2016” by “Brown et al., 2016b”
Chapter 3	3.7.7	89 : 33-34	Replace “Kim et al., 2018a” by “Kim et al., 2018b”
Chapter 3	3.7.7	90 : 13	Replace “Wang et al., 2017” by “J. Wang et al., 2017”

Chapter 3	3.8.2.1	94 : 58 95 : 24	Replace “Kageyama et al., 2018b” by “Kageyama et al., 2018”
Chapter 3	3.8.2.1	97 : 5	Replace “Kageyama et al., 2021” by “Kageyama et al., 2021b“
Chapter 3	3.8.2.1	98 : 8	Replace “Wu et al., 2019a” by “P. Wu et al., 2019”
Chapter 3	3.4.2	176:1 (figure file)	Please, replace the figure file to  The previous figure one had a bug, the Greenland was not masked out. Figure manager has a correct version.
Chapter 3	FAQ3.2	103:4 & 201:10	Replace “CESM1 large ensemble” with “MPI-ESM grand ensemble”.
Chapter 3	Figure 3.1	153	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
Chapter 3	FAQ3.2	201:2 (Figure 1)	The data plotted in the previous version was mistakenly shifted by 10 years (i.e., 1990 was listed as 1980). The image should be replaced to  The new figure was uploaded to the Figure Manager.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 4

<table>
<tr><th>Document (Chapter, Annex, Supp. Mat…)</th><th>Section</th><th>Page :Line (based on the final pdf FGD version)</th><th>Detailed info on correction to make</th></tr>
<tr><td>4</td><td>Table of Content</td><td>3:18</td><td>Replace “Global” to “Global Warming”</td></tr>
<tr><td>4</td><td>Executive Summary</td><td>4:16</td><td>Replace “BOX 4.1:” to “BOX4.1,”</td></tr>
<tr><td>4</td><td>Executive Summary</td><td>5:23</td><td>Add the following sentence after the Bolded text: “On average, the surface is expected to warm faster over land than over the ocean by a factor of 1.5 (likely range 1.4 to 1.7).”</td></tr>
<tr><td>4</td><td>4.1</td><td>9 : 47</td><td>Replace “Meehl et al., 2014a” by “Meehl et al., 2014”</td></tr>
<tr><td>4</td><td>4.1</td><td>10 : 22</td><td>Replace “Masson-Delmotte et al., 2018” by “IPCC, 2018a”</td></tr>
<tr><td>4</td><td>4.2.1</td><td>11:53</td><td>Add DCPP in Table 4.1 as follows. Boer et al. (2016) is already included in reference.
<table>
<tr><th>MIP / experiment</th><th>Usage</th><th>Chapter/Section</th><th>Reference</th></tr>
<tr><td>DECK, 1%, 4 • CO_2</td><td>Diagnosing climate sensitivity</td><td>Assessed in Ch7 ECS and TCR used in GSAT assessment</td><td>(Eyring et al., 2016)</td></tr>
<tr><td>CMIP6 Historical</td><td>Evaluation, baseline</td><td>Assessed in Ch3 Used in chapter 4 to cover reference period</td><td>(Eyring et al., 2016)</td></tr>
<tr><td>ScenarioMIP</td><td>Future projections</td><td>throughout Ch.4</td><td>(O’Neill et al., 2016)</td></tr>
<tr><td>AerChemMIP</td><td>Aerosols and trace gases</td><td>4.4.4</td><td>(Collins et al., 2017)</td></tr>
<tr><td>C4MIP</td><td>CO_2 emissions driven simulations</td><td>4.3.1</td><td>(Jones et al., 2016b)</td></tr>
<tr><td>CDRMIP</td><td>Carbon Dioxide Removal</td><td>4.6.3</td><td>(Keller et al., 2018)</td></tr>
<tr><td>DCPP</td><td>Near-term climate change</td><td>4.2.3, Box 4.1, 4.4</td><td>(Boer et al., 2016)</td></tr>
<tr><td>GeoMIP</td><td>Solar Radiation Modification</td><td>4.6.3</td><td>(Kravitz et al., 2011)</td></tr>
<tr><td>PDRMIP</td><td>Forcing dependence of precipitation</td><td>4.5.1</td><td>(Myhre et al., 2017)</td></tr>
<tr><td>SIMIP</td><td>Sea ice assessment</td><td>4.3</td><td>(Notz et al., 2016)</td></tr>
<tr><td>ZECMIP</td><td>Zero emissions commitment</td><td>4.7.1</td><td>(Jones et al., 2019)</td></tr>
<tr><td>CMIP5</td><td>RCP scenario assessment</td><td>4.6.2, 4.7.1</td><td>(Taylor et al., 2012)</td></tr>
</table></td></tr>
<tr><td>4</td><td>4.2.1</td><td>12 : Table 4.1</td><td>Replace “Jones et al., 2016b” by “C.D. Jones et al., 2016a”</td></tr>
<tr><td>4</td><td>4.2.1</td><td>12 : Table 4.1</td><td>Replace “Jones et al., 2019” by “Jones et al., 2019a”</td></tr>
</table>

4	4.2.1	12 : 27	Replace “Maher et al., 2019a” by “Maher et al., 2019”
4	4.2.3	14 : 49 15 : 7	Replace “Bellucci et al., 2015c” by “Bellucci et al., 2015b”
4	4.2.3	15:15	Replace “Kalan” by “Kalman”
4	4.2.3	16 : 6-7	Replace “Bellucci et al., 2015b; Smith et al., 2018; Yeager et al., 2018; Smith et al., 2019b)” by “Bellucci et al., 2015a; D.M. Smith et al., 2018, 2019; Yeager et al., 2018”
4	4.2.3	16 : 8-9	Replace “D.M. Smith et al., 2013b, 2019b” by “D.M. Smith et al., 2013b, 2019”
4	4.2.3	16 : 31-32 16 : 42	Replace “D.M. Smith et al, 2019b” by “D.M. Smith et al, 2019”
4	4.2.3	16 : 37-38	Replace “Schuster et al., 2019a” by “Schuster et al., 2019”
4	4.2.3	16 : 38	Replace “Schuster et al., 2019b” by “Schuster et al., 2019”
4	4.2.3	16 : 54	Replace “Li et al,. 2016b” by “H. Li et al., 2016”
4	4.2.5	19 : 42	Replace “Maher et al., 2019a” by “Maher et al., 2019”
4	4.2.5	19 : 52	Replace “Masson-Delmotte et al., 2018” by “IPCC, 2018a”
4	4.2.6	20 : 34	Replace “Knutti and Sedláček, 2012” by “Knutti and Sedláček, 2013”
4	Box 4.1	22 : 24	Replace “Zhu et al., 2020” by “J. Zhu et al., 2020”
4	Box 4.1	22 : 37 23 : 34	Replace “Maher et al, 2019b” by “Maher et al., 2019”
4	4.3.2.4	31:48	The statement in Ch4 section 4.3.2.4 that says, “the cumulative uptake of carbon by the ocean and by land will increase through the 21st century irrespective of the considered emission scenarios (very high confidence)” Please add “except SSP1-1.9” before the confidence statement
4	4.3.3.1	32 : 55	Replace “Simpson et al., 2018a” by “Simpson et al., 2018”
4	4.3.3.1	33 : 35	Replace “Shaw et al., 2016a” by “Shaw et al., 2016”
4	4.3.3.1	33 : 56	Replace “Simpson et al., 2018b” by “Simpson et al., 2018”
4	4.3.4	36 : 38	Replace “Masson-Delmotte et al., 2018” by “IPCC, 2018a”
4	4.3.4	36 : 47	Replace “Maher et al, 2019a” by “Maher et al., 2019”
4	4.3.4	37:14	Replace “(*medium confidence*); this estimate has been confirmed in AR6 (Section 3.3.1).” by: “(*medium confidence*). The SR1.5 estimate with a median of 0.2°C per decade has been confirmed in AR6 (Section 3.3.1); by contrast, the assessed GSAT change shows central-estimate rates over the period 2010 to 2035 that range from 0.21°C per decade under SSP1-1.9 to 0.30°C per decade under SSP5-8.5.” This correction is an early trickle-back following Japan’s webinar/Q&A-session comment that nowhere in the FGD were numbers given that allow the comparison between the extrapolated warming rates of SR1.5 and the assessed rates of the AR6.
4	4.4.1.2	40 : 35	Replace “Modak et al., 2018a” by “Modak et al., 2018”
4	4.4.1.3	41 : 11	Replace “Held and Soden, 2006a” by “Held and Soden, 2006”
4	4.4.1.3	41 : 17	Replace “Liu et al., 2018b” by “L. Liu et al., 2018”
4	4.4.1	42:41	Replace “internal variability” by “internal variability such as AMV and PDV (see Section 3.3.3.2)”
4	4.4.1	42:46	Replace “internal variability” by “internal variability such as AMV and PDV”
4	4.4.1.4	42 : 5	Replace “Wang et al., 2017c” by “P.X. Wang et al., 2017”
4	4.4.1.4	42 : 12-13	Replace “Wang et al., 2013” by “Wang et al., 2013a”
4	4.4.3.1	44 : 21	Replace “Deser et al., 2021” by “Deser et al., 2021b”
4	4.4.3.1	44 : 44	Replace “Smith et al,. 2019b” by “D.M. Smith et al., 2019”
4	4.4.3.1	44 : 53	Replace “AR5 Chapter 2” by “AR5 Chapter 2 (Hartmann et al., 2013)”

4	4.4.3.3	46 : 13	Replace “Cai et al., 2019a” by “Cai et al., 2019”
4	4.4.3.4	46 : 48	Replace “García-Serrano et al., 2015a” by “García-Serrano et al., 2015”
4	4.4.3.5	47 : 38	Replace “Smith et al., 2019b” by “D.M. Smith et al., 2019”
4	4.4.3.6	48 : 4	Replace “Zhang et al., 2019a” by “R. Zhange t al., 2019”
4	4.4.3.6	48 : 14-15	Replace “García-Serrano et al., 2015b; Smith et al., 2019b” by “García-Serrano et al., 2015; D.M. Smith et al., 2019”
4	4.4.3.6	48 : 15-16	Replace “Simpson et al., 2018c” by “Simpson et al., 2018”
4	4.4.3.6	48 : 36 48 : 41	Replace “Smith et al,. 2019b” by “D.M. Smith et al., 2019”
4	4.4.4	50 : 26	Replace “Modak et al., 2018b” by “Modak et al., 2018”
4	4.4.4	50 : 39-40	Replace “Toohey et al., 2016a” by “Toohey et al., 2016”
4	4.4.4	50 : 44	Replace “Schurer et al., 2013a” by “Schurer et al., 2013”
4	4.4.4	51 : 5-6	Replace “Held and Soden, 2006b” by “Held and Soden, 2006”
4	4.4.4	51 : 7	Replace “McGregor et al,. 2010a” by “McGregor et al,. 2010”
4	CCB 4.1	52 : 23	Replace “Toohey et al., 2016b” by “Toohey et al., 2016”
4	CCB 4.1	52 : 27	Replace “Zhu et al., 2020a” by “F. Zhu et al., 2020”
4	CCB 4.1	52 : 41	Replace “McGregor et al,. 2010b” by “McGregor et al,. 2010”
4	CCB 4.1	52 : 52	Replace “Liu et al., 2018a” by “F. Liu et al., 2018”
4	CCB 4.1	52 : 45	Replace “Gagné et al., 2017b” by “Gagné et al., 2017a”
4	4.5.1.1	54 : 38	Replace “Jia et al., 2019b” by “G. Jia et al., 2019”
4	4.5.1	54:49	After the end of the existing sentence, add the following sentence “Projected warming over land and ocean only is shown in Table 4.2 for different scenarios, and the global average ratio of land-to-ocean warming in CMIP6 is 1.5 with a *likely* in the range of 1.4 to 1.7, which is consistent with estimates based on CMIP5.
4	4.5.1.1	55 : 34	Replace “Liu et al., 2018, 2018d” by “Liu et al., 2017; Y. Liu et al., 2018”
4	4.5.1.1	55 : 44	Replace “Gagné et al., 2017a” by “Gagné et al., 2017b”
4	4.5.1.1	55 : 55	Replace “Liu et al., 2018c” by “W. Liu et al., 2018”
4	4.5.1	57 : 23	Replace “Maher et al., 2019a” by “Maher et al., 2019”
4	4.5.1.4	60 : 23 60 : 35	Replace “Held and Soden, 2006a” by “Held and Soden, 2006”
4	4.5.1.4	60 : 44	Replace “Chavaillaz et al., 2016a” by “Chavaillaz et al., 2016”
4	4.5.1.4	61 : 28 61 : 32	Replace “Richardson et al., 2018b” by “Richardson et al., 2018a”
4	4.5.1.5	62 : 9	Replace “Zhang et al., 2019b” by “W. Zhang et al., 2019”
4	4.5.1.5	64 : 19	Replace “Simpson et al., 2019b” by “Simpson et al., 2019a”
4	4.5.1.6	64 : 41	Replace “Shaw et al., 2016b” by “Shaw et al., 2016”
4	4.5.1.6	64 : 45	Replace “Simpson et al., 2018b” by “Simpson et al., 2018”
4	4.5.1.6	64 : 46	Replace “Ceppi and Shepherd, 2019a” by “Ceppi and Shepherd, 2019”
4	4.5.1.6	65 : 11	Replace “Simpson and Polvani, 2016a” by “Simpson and Polvani, 2016”
4	4.5.1.6	65 : 45	Replace “Wang et al., 2017a” by “J. Wang et al., 2017a”
4	4.5.3.1	68 : 39-40	Replace “F. Zheng et al., 2013a” by “Zheng et al., 2013a”
4	4.5.3.1	68 : 43	Replace “Ceppi and Shepherd, 2019b” by “Ceppi and Shepherd, 2019”
4	4.5.3.1	68 : 49-50	Replace “Simpson and Polvani, 2016b” by “Simpson and Polvani, 2016”
4	4.5.3.2	69 : 43	Replace “Wang et al., 2017b” by “J. Wang et al., 2017a”
4	4.5.3.2	69 : 43	Replace “Frederiksen et al., 2020b” by “Frederiksen et al., 2020”
4	4.5.3.2	69 : 53	Replace “Frederiksen et al., 2020a” by “Frederiksen et al., 2020”
4	4.5.3.2	70 : 12	Replace “Yeh et al., 2018a” by “Yeh et al., 2018”
4	4.5.3.2	70 : 14-15	Replace “Yeh et al., 2018b; Fredriksen et al., 2020a” by “Yeh et al., 2018; Fredriksen et al., 2020”
4	4.5.3.3	70 : 33-34	Replace “Zheng et al., 2013b” by “X.-T. Zheng et al., 2013”
4	4.5.3.3	70 : 35 70 : 50	Replace “Li et al., 2016a” by “G. Li et al., 2016”
4	4.5.3.4	71 : 12	Replace “Cai et al., 2019b” by “Cai et al., 2019”
4	4.5.3.4	71 : 23	Replace “Jia et al., 2019a” by “F. Jia et al., 2019”
4	4.5.3.6	72 : 14	Replace “Wang et al., 2017b” by “J. Wang et al., 2017b”

4	4.6.1	72:28	Replace “Global” to “Global Warming”
4	4.6.1	72:47	Replace “Section 4.2.5” to “Section 4.2.4”
4	4.6.2.1	76 : 40	Replace “IPCC, 2018” by “IPCC, 2018b”
4	4.6.2.1	76 : 49	Replace “Tsutsui et al. 2006a” by “Tsutsui et al. 2006”
4	4.6.2.1	76 : 53	Replace “Cao et al., 2011a” by “Cao et al., 2011”
4	4.6.2.1	77 : 15	Replace “Tsutsui et al. 2006b” by “Tsutsui et al. 2006”
4	Figure 4.37 caption	82:31	thermostatic => thermosteric
4	4.6.3.2	82 : 46 83 : 3	Replace “MacDougall, 2013a” by “MacDougall, 2013”
4	4.6.3.2	82 : 48 83 : 3-4	Replace “Jones et al., 2016c” by “C.D. Jones et al., 2016b”
4	4.6.3.2	83 : 7	Replace “Cao et al., 2011b” by “Cao et al., 2011”
4	4.6.3.2	83 : 15	Replace “Jackson et al., 2014” by “Jackson et al., 2014; Wu et al., 2011”
4	Table 4.7	84	Replace “Simpson et al., 2019a” by “Simpson et al., 2019b”
4	4.6.3.3	85:27	Replace “Section 6.3.6” by “Section 6.4.6”
4	4.6.3.3	87:30	Replace “Most research has focused on SIA, the injection” by “Most SRM research has focused on SAI and most SAI studies have assessed the effects of injection”.
4	4.6.3.3	87 : 33-34 88 : 1	Replace “Jones et al., 2016a” by “A.C. Jones et al., 2016”
4	4.6.3.3	87 : 36	Replace “Plazzotta et al., 2018a” by “Plazzotta et al., 2018”
4	4.6.3.3	87 : 40	Replace “Plazzotta et al., 2018b” by “Plazzotta et al., 2018”
4	4.6.3.3	87 : 48 88 : 19	Replace “Kleinschmitt et al., 2018a” by “Kleinschmitt et al., 2018”
4	4.6.3.3	87 : 52	Replace “Kleinschmitt et al., 2018b” by “Kleinschmitt et al., 2018”
4	4.6.3.3	88 : 8-9 88 : 17	Replace “Simpson et al., 2019a” by “Simpson et al., 2019b”
4	4.6.3.3	89 : 25	Replace “Gruber et al., 2019a” by “Gruber et al., 2019”
4	4.6.3.3	89: 29	Replace “Gruber et al., 2019b” by “Gruber et al., 2019”
4	4.6.3.3	90 : 2-3 90 : 4	Replace “Crook et al., 2015a” by “Crook et al., 2015”
4	4.6.3.3	90 : 10	Replace “Moore et al., 2018a” by “J.C. Moore et al., 2018”
4	4.7	91 : 24-25	Replace “Smith et al., 2019a” by “C.J. Smith et al., 2019”
4	4.7.1.1	91 : 16-17	Replace “Jones et al., 2019b” by “Jones et al., 2019”
4	4.7.1.1	92 : 38	Replace “Jones et al., 2019a” by “Jones et al., 2019”
4	4.7.1.2	93 : 28	Replace “Moore et al., (2018)” by “J.K. Moore et al. (2018)”
4	4.7.1.2.1	94 : 10	Replace “Randerson et al., 2015b” by “Randerson et al., 2015”
4	4.7.1.2.2	95 : 5	Replace “Cao et al., 2011a” by “Cao et al., 2011”
4	4.8	97 : 15-16	Replace “Xu and Ramanathan, 2017a” by “Xu and Ramanathan, 2017”
4	4.8	99 : 38	Replace “Chavaillaz et al., 2016b” by “Chavaillaz et al., 2016”
4	4.8	100 : 34-35	Replace “Xu and Ramanathan, 2017b” by “Xu and Ramanathan, 2017”
4	Figure 4.1	148	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 5

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 05	Table of Contents		Update Table of Contents
Chapter 5	ES	6:3-5	Replace "It is unequivocal that emissions of the well-mixed greenhouse gases (GHG) carbon dioxide (CO2), methane (CH4) and nitrous oxide (N2 O) from human activities are the main driver of increases in atmospheric GHG concentrations since the pre-industrial period." By "It is unequivocal that the increases in atmospheric carbon dioxide (CO2), methane (CH4) and nitrous oxide (N2O) since the pre-industrial period are overwhelmingly caused by human activities"
Chapter 5	ES	6:55	However, the effects of these changes is not By However, the effects of these changes are not
Chapter 5	ES	7:8	agriculture (dominated by livestock) sectors (medium confidence). By agriculture (dominated by livestock) (medium confidence).
Chapter 5	ES	9:14	a total of 655 ± 65 PgC (2390 ± 240 GtCO2) of By a total of 655 ± 65 PgC (2390 ± 240 GtCO2) (*likely* range) of
Chapter 5	5.1	11 : 21	Replace "Li et al., 2016c" by "W. Li et al., 2016"
Chapter 5	5.1	11 : 22	Replace "Gruber et al., 2019a" by "Gruber et al., 2019b"
Chapter 5	5.1.1	12 : 33 12 : 38	Replace "Jones et al., 2013b" by "C.D. Jones et al., 2013"
Chapter 5	5.1.1	13 : 29	Replace "Williams et al., 2017a" by "N.L. Williams et al., 2017"
Chapter 5	5.1.2.1	15 : 17	Replace "Zhang et al., 2013" by "Y.G. Zhang et al., 2013"
Chapter 5	5.1.2.2	15 : 37-38	Replace "Schilt et al., 2010" by "Schilt et al., 201b"
Chapter 5	5.1.2.2	16 : 31 16 : 33 17 : 16 17 : 18 17 : 19	Replace "Fischer et al., 2019b" by "H. Fischer et al., 2019"
Chapter 5	5.1.2.2	17 : 33	Replace "Li et al., 2020a" by "T. Li et al., 2020"
Chapter 5	5.1.2.2	18 : 5	Replace "Stott et al., 2019a" by "Stott et al., 2019b"
Chapter 5	5.1.2.3	18 : 49	Replace "Fischer et al., 2019b" by "H. Fischer et al., 2019"

		18 : 50-51	
Chapter 5	5.1.2.3	19 : 5	Replace “Brokin et al.,. 2016b” by “Brovkin et al., 2016”
Chapter 5	5.2.1.1	19:51	“all anthropogenic CO2 emissions during.” By all anthropogenic CO2 emissions.
Chapter 5	5.2.1.1	19;53	These estimates excluding By These estimates exclude
Chapter 5	5.2.1.1	20 : 5	Replace “Peters et al., 2020a” by “G.P. Peters, 2020”
Chapter 5	5.2.1.1	20 : 12	Replace “Liu et al., 2020c” by “Z. Liu et al., 2020”
Chapter 5	5.2.1.1	20 : 48	Replace “Goldewijk et al., 2017” by “Klein Goldewijk et al., 2017”
Chapter 5	5.2.1.3	23 : 36-37	Replace “Gruber et al., 2019c, 2019a” by “Gruber et al., 2019a, b”
Chapter 5	5.2.1.3	23 : 50 24 : 23-24	Replace “Resplandy et al., 2018a” by “Resplandy et al., 2018”
Chapter 5	5.2.1.3	23:46	of storage (Gruber et al., 2019a), Two definitions By of storage (Gruber et al., 2019a). Two definitions
Chapter 5	5.2.1.3	24 : 4 24 : 33	Replace “Gruber et al., 2019c” by “Gruber et al., 2019a”
Chapter 5	5.2.1.3.1	25 : 32-33 25 : 36 25 : 37 25 : 39 26 : 4-5	Replace “Gruber et al., 2019a” by “Gruber et al., 2019b”
Chapter 5	5.2.1.3.2	26 : 24-25	Replace “Gruber et al., 2019c” by “Gruber et al., 2019a”
Chapter 5	5.2.1.4.1	27 : 16-17	Replace “Le Quéré et al., 2018a” by “Le Quéré et al., 2018b”
Chapter 5	5.2.1.4.1	27 : 28-29	Replace “Palmer et al., 2019a” by “Palmer et al., 2019”
Chapter 5	5.2.1.4.1	27 : 35	Replace “Zhang et al., 2018b” by “Zhang et al., 2018”
Chapter 5	5.2.1.4.1	27 : 54	Replace “Forkel et al., 2019b” by “Forkel et al., 2019”
Chapter 5	5.2.1.4.1	27:37	observation-driven inference o By Observation-driven inference o
Chapter 5	5.2.1.4.1	28:3-4	Delete: and southeastern Australia (Canadell et al., 2020) (paper not accepted yet).
Chapter 5	5.2.1.4.1	28:30	include permafrost (Section 5.4) By include permafrost (Box 5.1)
Chapter 5	5.2.1.4.1	28 : 26-27	Replace “Pongratz et al., 2018b” by “Pongratz et al., 2018”
Chapter 5	5.2.1.4.1	28 : 27	Replace “Pugh et al., 2019a” by “Pugh et al., 2019”
Chapter 5	5.2.1.4.1	28 : 31	Replace “Koven et al., 2015a” by “Koven et al., 2015b”

Chapter 5	5.2.1.4.2	29 : 10	Replace “Liu et al., 2017” by “J. Liu et al., 2017”
Chapter 5	5.2.1.4.2	29 : 19	Replace “Cox et al, 2013a” by “Cox et al., 2013”
Chapter 5	5.2.1.4.2	29 : 20	Replace “Jung et al., 2017a” by “Jung et al., 2017”
Chapter 5	5.2.1.4.2	29 : 25	Replace “Wang et al., 2014” by “X. Wang et al., 2014”
Chapter 5	5.2.1.4.2	29:8	confirm this statement, is it “confirms this statement,” instead? please double check, it refers to “A set”
Chapter 5	Cross-Chapter Box 5.1	30:21	at the leaf, canopy to ecosystem scales By at the leaf, canopy and ecosystem scales
Chapter 5	Cross-Chapter Box 5.1	30:34	ecosystems-scale water savings By ecosystem-scale water savings
Chapter 5	CCB 5.1	30 : 37 30 : 54	Replace “Liu et al., 2020b” by “L. Liu et al., 2020”
Chapter 5	CCB 5.1	30 : 42	Replace “Y. Yang et al., 2019c” by “Y. Yang et al., 2019”
Chapter 5	CCB 5.1	31 : 21	Replace “Liu et al., 2017a” by “J. Liu et al., 2017”
Chapter 5	CCB 5.1	31 : 21	Replace “Palmer et al., 2019a” by “Palmer et al., 2019”
Chapter 5	CCB 5.1	31 : 22-23	Replace “Peters et al., 2020b” by “W. Peters et al., 2020”
Chapter 5	CCB 5.1	31 : 28	Replace “Liu et al., 2020b” by “L. Liu et al., 2020”
Chapter 5	CCB 5.1	31 : 36	Replace “Li et al., 2020b” by “X. Li et al., 2020”
Chapter 5	Cross-Chapter Box 5.1	31:22	the mid-latitudes also lead to decreased GPP By mid-latitudes also decrease GPP
Chapter 5	Cross-Chapter Box 5.1	31:23	Droughts cannot be compensated by By Droughts are not compensated by
Chapter 5	Cross-Chapter Box 5.1	32:5	electricity which is By Electricity, which is
Chapter 5	Cross-Chapter Box 5.1	32:22	precipitation can in some regions even By precipitation can, in some regions, even
Chapter 5	5.2.1.5	32:46	hemisphere By hemispheres
Chapter 5	5.2.1.5	32:50-51	from Forestry and other Land Use By From land-use, land-use change, and forestry
Chapter 5	5.2.1.5	33 : 18	Replace “Resplandy et al., 2018b” by “Resplandy et al., 2018”
Chapter 5	5.2.1.5	33 : 48	Replace “BGR (2019)” by “BGR (2020)”
Chapter 5	5.2.2	34 : 28	Replace “Ferretti et al., 2005” by “Ferreti, 2005”
Chapter 5	5.2.2	34:18	lifetime is estimated to be 9.1 ± 0.9 By lifetime is estimated to be 9.1 ± 0.9 years

Chapter 05	5.2.2	34:18	Replace "9.1 ±0.9" by "9.1 ± 0.9 years"
Chapter 05	5.2.2	34:18	Replace "(Chapter 6, Section 3.1)" by "(Chapter 6, Section 6.3.1, Table 6.2)"
Chapter 5	5.2.2.1	35:9	the scattering aerosols By the scattering of aerosols
Chapter 5	5.2.2.1	35 : 4 35 : 19	Replace “Ferretti et al., 2005” by “Ferreti, 2005”
Chapter 5	5.2.2.1	35:22-24	Replace exploitation since the early 2000s (Patra et al., 2016; Jackson et al., 2020; Chandra et al., 2021). A comprehensive assessment of the CH 4 growth rates over the past 4 decades is presented in the Cross-Chapter Box 5.2. By exploitation since the early 2000s (Patra et al., 2016; Jackson et al., 2020; Chandra et al., 2021). Atmospheric concentrations of CH4 reached 1866.3 ppb in 2019 (Fig. 5.14). A comprehensive assessment of the CH4 growth rates over the past four decades is presented in the Cross-Chapter Box 5.2.
Chapter 5		36:3	Replace “Furthermore, top-down estimates suggest emissions from China’s coal mines have continued to grow at a slower rate after 2010 (Miller et al., 2019; Chandra et al., 2021).” With “Inventory-based estimates suggest that CH4 emissions from coal mining increased by 17 Tg yr -1 between the periods 2002–2006 and 2008–2012 with a dominant contribution from China (Peng et al., 2016; Crippa et al., 2020; Höglund-Isaksson et al., 2020). Recent country statistics and detailed inventory-based estimate show that CH4 emissions from coal mining in China declined between 2012 and 2016 (Sheng et al., 2019; Gao et al., 2020), while atmospheric-based estimates suggest a continuation of CH4 emissions growth but at a slower rate to the year 2015 (Miller et al., 2019) and 2016 (Chandra et al., 2021).”
Chapter 5	Table 5.2	36:38	for the two recent decades from bottom–up and By for the two most recent decades for which data is available, from bottom–up and
Chapter 5	5.2.2.3	37:13	processes, that are By processes that are
Chapter 5	5.2.2.3	37:17	The wetland emissions By Wetland emissions
Chapter 5	5.2.2.3	37:21	during the La Niña By during La Niña
Chapter 5	5.2.2.4	38:40	gap between bottom-up estimations and that are used in top-down models By gap between bottom-up and top-down estimates
Chapter 5	5.2.2.4	38 : 52-53	Replace “Zhang et al., 2020a” by “L. Zhang et al., 2020”
Chapter 5	5.2.2.4	39 : 1	Replace “Thornton et al., 2016” by “Thornton et al., 2016a”
Chapter 5	5.2.2.5	39 : 13	Replace “Wang et al., 2019b” by “X. Wang et al., 2019”
Chapter 5	5.2.2.5	39:9	estimations By estimates
Chapter 5	CCBox 5.2 Figure 1 caption	40:23	mass balance includes chemical By mass balance that includes chemical

Chapter 5	CCBox 5.2	40:38	increase in from emissions agriculture By increase in emissions from agriculture
Chapter 05	CCB 5.2	40:38	Replace 'from emissions" by "emissions from"
Chapter 5	CCBox 5.2	41:1	timeseries By time series
Chapter 5	CC Box 5.2	41:37	emissions has been By emissions has
Chapter 5	5.2.3	42 : 1	Replace “Janssens-Maenhout et al., 2017” by “Janssens-Maenhout et al., 2019”
Chapter 5	5.2.3	42 : 2-3	Replace “Buitenhuis et al., 2018a” by “Buitenhuis et al., 2018”
Chapter 5	5.2.3	42 : 12	Replace “Wang et al., 2014a” by “W. Wang et al., 2014”
Chapter 5	5.2.3.1	42 : 28	Replace “Yang et al., 2020c” by “S. Yang et al., 2020”
Chapter 5	5.2.3.2	43 : 18 43 : 45	Replace “Janssens-Maenhout et al., 2017” by “Janssens-Maenhout et al., 2019”
Chapter 5	5.2.3.2	43 : 31	Replace “Buitenhuis et al., 2018b” by “Buitenhuis et al., 2018”
Chapter 5	5.2.3.3	44 : 5	Replace “Buitenhuis et al., 2018a” by “Buitenhuis et al., 2018”
Chapter 5	5.2.3.3	44 : 7	Replace “Yang et al., 2020c” by “S. Yang et al., 2020”
Chapter 5	5.2.3.3	44 : 19	Replace “Battaglia and Joos, 2018” by “Battiglia and Joos, 2018b”
Chapter 5	5.3	48:33	may enhance the emissions of By may enhance emissions of
Chapter 5	5.3.2.1	50:28	Ocean pH timeseries are are based By Ocean pH timeseries are based
Chapter 5	5.3.2.1	50 : 32 50 : 35 50 :43 50 : 51	Replace “Wu et al., 2018a” by “H.C. Wu et al., 2018”
Chapter 5	5.3.2.1	50 : 50	Replace “Pelejero, 2005” by “Pelejero et al, 2005”
Chapter 5	5.3.2.2	51 : 47	Replace “Feely et al., 2016a” by “Feely et al., 2016”
Chapter 5	5.3.2.2	52 : 7	Replace “Bates et al., 2014b” by “Bates et al. (2014)”
Chapter 5	5.3.3.1	53 : 5	Replace “Carter et al., 2017” by “Carter et al., 2017b”
Chapter 05	5.3.3.2	53:53 (duplication problem)	Replace: “They also exhibit enhanced ocean warming as a result of an increase in the equilibrium climate sensitivity (ECS) of CMIP6 relative to CMIP5 models, which contributes to increased stratification and reduced subsurface ventilation (4.3.1, 4.3.4, 5.3.3.2, 7.4.2, 7.5.6, 9.2.1, TS2.4). Consequently, CMIP6 model ensembles not only reproduce the ocean deoxygenation trend of −0.30 to −1.52 mmol m−3 per decade between 1970–2010 reported in SROCC (Section 5.2.2.4) with a very likely range, but also project 32–71 % greater subsurface (100–600 m) oxygen decline relative to their RCP analogues in CMIP5, reaching to the likely range of decline of 6.4 ± 2.9 mmol m-3 under SSP1–2.6 and 13.3 ± 5.3 mmol m-3 under SSP5–8.5, from 1870–1899 to 2080–2099. However, they also exhibit

			enhanced surface ocean warming as a result of an increased climate sensitivity (ECS), which contributes to greater reduction in subsurface ventilation. Consequently, CMIP6 model ensembles now reproduce the recent observed historical ocean deoxygenation trend of −0.30 to −1.52 mmol m-3 per decade between 1970–2010 reported in SROCC (Section 5.2.2.4) within 90% confidence range, but project 32–71 % greater subsurface (100–600m) oxygen decline relative to their RCP analogues in CMIP5, reaching to the likely range of decline of 6.4 ± 2.9 mmol m-3 under SSP1–2.6 and 13.3 ± 5.3 mmol m-3 under SSP5–8.5, from 1870–1899 to 2080–2099 due to increased warming (Kwiatkowski et al., 2020). It is concluded that the oxygen content of subsurface ocean is projected to transition to historically unprecedented condition with decline over the 21st century (/medium confidence/).” By “They also exhibit enhanced ocean warming as a result of an increase in the equilibrium climate sensitivity (ECS) of CMIP6 relative to CMIP5 models, which contributes to increased stratification and reduced subsurface ventilation (4.3.1, 4.3.4, 5.3.3.2, 7.4.2, 7.5.6, 9.2.1, TS2.4). Consequently, CMIP6 model ensembles not only reproduce the ocean deoxygenation trend of −0.30 to −1.52 mmol m−3 per decade between 1970–2010 reported in SROCC (Section 5.2.2.4) with a very likely range, but also project 32–71 % greater subsurface (100–600 m) oxygen decline relative to their RCP analogues in CMIP5, reaching to the likely range of decline of 6.4 ± 2.9 mmol m-3 under SSP1–2.6 and 13.3 ± 5.3 mmol m-3 under SSP5–8.5, from 1870–1899 to 2080–2099 (Kwiatkowski et al., 2020). It is concluded that the oxygen content of subsurface ocean is projected to transition to historically unprecedented condition with decline over the 21st century (/medium confidence/).”
Chapter 5	5.3.3.2	54 : 36	Replace “Babbin et al., 2015a” by “Babbin et al., 2015”
Chapter 05	5.3.4.1	55:36	Citation Yamamoto et al., 2012 https://bg.copernicus.org/articles/9/2365/2012/ Missing from reference list
Chapter 05	5.3.4.1	55:21	In “ESMs in CMIP6 s show +73 ± 12% increase”: Delete “s” after “CMIP6”.
Chapter 5	5.3.5.1	56 : 32 56 : 40	Replace “Sun et al., 2020a” by “H. Sun et al., 2020”
Chapter 5	5.3.5.1	56: 44	Replace “Cotovicz Jr. et al., 2015a” by “Cotovicz Jr. et al., 2015”
Chapter 5	5.3.5.1	57 : 5 57 : 8-9 57 : 16 57 : 19	Replace “Limburg et al., 2020a” by “Limburg et al., 2020”
Chapter 5	5.3.5.1	57 : 19	Replace “Naqvi et al., 2010b” by “Naqvi et al., 2010”
Chapter 5	5.3.5.2	57 : 39-40	Replace “Feely et al., 2016b” by “Feely et al., 2016”
Chapter 5	5.3.5.2	58 : 11	Replace “Cotovicz Jr. et al., 2015b” by “Cotovicz Jr. et al., 2015”
Chapter 5	5.3.5.2	58 : 24	Replace “Sun et al., 2020a” by “H. Sun et al, 2020”
Chapter 5	5.3.5.2	58 : 29	Replace “Li et al., 2016b” by “M. Li et al., 2016”
Chapter 5	5.3.5.2	58 : 47-48	Replace “Limburg et al., 2020b” by “Limburg et al., 2020”
Chapter 5	5.4.1	59 : 22	Replace “Walker et al,. 2019a” by “A.P. Walker et al., 2019”
Chapter 5	5.4.1	59 : 30	Replace “Koven et al., 2015” by “Koven et al., 2015b”

Chapter 5	5.4.1	59 : 49	Replace “Yang et al., 2019b” by “X. Yang et al., 2019”
Chapter 5	5.4.1	60 : 15 60 : 19	Replace “Meyerholt et al., 2020a” by “Meyerholt et al., 2020”
Chapter 5	5.4.3.2	62 : 6-7	Replace “Walker et al., 2019b” by “X.J. Walker et al., 2019”
Chapter 5	5.4.3.3	63 : 6	Replace “Koven et al., 2015a” by “Koven et al,. 2015b”
Chapter 5	5.4.3.3	63 : 33	Replace “Meyerholt et al., 2020b” by “Meyerholt et al., 2020”
Chapter 5	Box 5.1	64 : 47-48	Replace “Thornton et al,. 2016a” by “Thornton et al,. 2016b”
Chapter 5	Box 5.1	64:43	additional methane emissions By additional CH4 emissions
Chapter 5	Box 5.1	65:6	methane fluxes By CH4 fluxes
Chapter 5	Box 5.1	65:34	methane emissions By CH4 emissions
Chapter 5	Box 5.1	65 : 9	Replace “Thornton et al,. 2016b” by “Thornton et al,. 2016a”
Chapter 5	Box 5.1	65 : 39	Replace “Cias et al., 2012b” by “Cias et al., 2012”
Chapter 5	Box 5.1	67 : 6	Replace “Koven et al., 2015b” by “Koven et al,. 2015a”
Chapter 5	5.4.4.1	67 : 32	Replace “Gruber et al., 2019” by “Gruber et al., 2019b”
Chapter 5		67:33	sediments also play a minor role By sediments play a minor role
Chapter 5	5.4.4.2	68 : 14	Replace “Kwiatkowski et al., 2017b” by “Kwiatkowski et al., 2017”
Chapter 5	5.4.5	69 : 18	Replace “Friedlingstein et al., 2014” by “Friedlingstein et al., 2014b”
Chapter 05	5.4.5	69:46	JAMSETC to JAMSTEC
Chapter 05	5.4.5	69:46	for MPI-ESM1.2-LR the number of PFTs from 13 to 12
Chapter 05	5.4.5	69:46	for GFDL- ESM4 the # of phytoplankton groups from 2 to 3
Chapter 05	5.4.5	70 –73	Replace the following heading numbers “5.2.1.1” to “5.4.5.1” “5.4.5.1” to “5.4.5.2” “5.4.5.2” to “5.4.5.3” “5.4.5.3” to “5.4.5.4” “5.4.5.4” to “5.4.5.5”
Chapter 5	5.4.6	75 : 44	Replace “Cox et al., 2013b” by “Cox et al., 2013”
Chapter 5	5.4.7	76 : 28	Replace “Zhang et al., 2020b” by “X. Zhang et al., 2020”
Chapter 5	5.4.7	76 : 30-31	Replace “Shindell et al., 2013a; Stocker et al., 2013a” by “Shindell et al., 2013; B.D. Stocker et al., 2013”
Chapter 5	5.4.7	76 : 32	Replace “Shindell et al., 2013a” by “Shindell et al., 2013”

Chapter 5	5.4.7	76 : 34-35	Replace “Shindell et al., 2013b; Stocker et al., 2013a” by “Shindell et al., 2013; B.D. Stocker et al., 2013”
Chapter 5	5.4.7	76 : 54	Replace “Stocker et al., 2013b; Zaehle, 2013a” by “B.D. Stocker et al., 2013, Zaehle, 2013”
Chapter 5	5.4.7	77 : 1	Replace “Fischer et al., 2019b” by “H. Fischer et al., 2019”
Chapter 5	5.4.7	77 : 14	Replace “Battaglia and Joos, 2018” by “Battaglia and Joos, 2018b”
Chapter 5	5.4.8	77 : 50	Replace “Koven et al., 2015c, 2015b” by “Koven et al., 2015a, c”
Chapter 5	5.4.8	77 : 53	Replace “Shindell et al., 2013a; Stocker et al., 2013a” by “Shindell et al., 2013; B.D. Stocker et al., 2013”
Chapter 5	5.4.8	77 : 54	Replace “Stocker et al., 2013” by “B.D. Stocker et al., 2013”
Chapter 5	5.4.8	77 : 55	Replace “Battaglia and Joos, 2018” by “Battaglia and Joos, 2018b”
Chapter 5		78:50-52	It is not currently possible to carry out a full assessment of proposed abrupt changes and tipping points in the biogeochemical cycles. In this section we therefore focus instead on estimating By ~~It is not currently possible to carry out a full assessment of proposed abrupt changes and tipping points in the biogeochemical cycles.~~ In this section we focus on estimating
Chapter 5	5.4.9.1.1	80:18	Into the previous boreal area By into previous boreal areas
Chapter 5	5.4.9.1.1	80:21	vegetation C loss By vegetation carbon loss
Chapter 5		80:38	from the permafrost are assessed By from permafrost thawing are assessed
Chapter 5	5.4.9.1.1	80 : 13	Replace “Cox et al., 2013” by “Cox et al., 2013”
Chapter 5	5.4.9.1.1	80 : 23	Replace “Walker et al., 2019a” by “A.P. Walker et al., 2019”
Chapter 5	5.4.9.1.2	80:31	methane emissions By CH4 emissions
Chapter 5	5.4.9.1.2	80:35	methane By CH4
Chapter 5	5.4.9.1.2	80:36	methane By CH4
Chapter 5	5.4.9.1.3	80:44	methane By CH4
Chapter 5	5.4.9.1.3	80:47	methane By CH4
Chapter 5	5.4.9.1.3	80:52	methane By CH4
Chapter 5	5.4.1.1	82 : 36	Replace “Li et al., 2016a; Lovenduski et al., 2019b” by “H. Li et al., 2016; Lovenduski et al., 2019a”
Chapter 5	5.4.1.1	82 : 39	Replace “Lovenduski et al., 2019b” by “Lovenduski et al., 2019a”

Chapter 5	5.4.1.1	82 : 40	Replace “Li et al., 2016a” by “H. Li et al., 2016”
Chapter 5	5.4.1.1	82 : 55	Replace “Lovenduski et al., 2019a” by “Lovenduski et al., 2019b”
Chapter 5	5.4.1.1	83 : 3	Replace “Lovenduski et al., 2019b” by “Lovenduski et al., 2019a”
Chapter 5	5.5	83 : 18	Replace “Collins et al., 2013; Stocker et al., 2013” by “” by “M. Collins et al., 2013; T.F. Stocker et al., 2013”
Chapter 5	5.5	83 : 22-23	Replace “Collins et al., 2013; Stocker et al., 2013” by “M. Collins et al., 2013; T.F. Stocker et al., 2013”
Chapter 5	5.5.1.1.	83 : 40	Replace “Collins et al., 2013a; Stocker et al., 2013c” by “Collins et al., 2013; T.F. Stocker et al., 2013”
Chapter 5	5.5.1.1	83 : 53	Replace “Williams et al., 2016, 2017c” by “R.G. Williams et al., 2016, 2017b”
Chapter 5	5.4.11	83:2	and the predictability of terrestrial ecosystem drivers such as By and the drivers of terrestrial carbon flux predictability such as
Chapter 5	5.5.1.1	84 : 16	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 5	CCB 5.3	84 : 50	Replace “Gruber et al., 2019a” by “Gruber et al., 2019b”
Chapter 5	CCBox 5.3	85:12	However, the By The
Chapter 5	5.5.1.2.1	87 : 28	Replace “Collins et al., 2013a” by “M. Collins et al., 2013
Chapter 5	5.5.1.2.3	86 : 47	Replace “Tokarska et al., 2019b” by “Tokarska et al., 2019a”
Chapter 5	5.5.1.2.3	88 : 49	Replace Williams et al., 2017b“” by “R.G. Williams et al., 2017a”
Chapter 5	5.5.1.2.3	88 : 54	Replace “Collins et al., 2013b” by “M.. Collins et al., 2013”
Chapter 5	5.5.1.2.3	89 : 2	Replace “Burke et al., 2017” by “Burke et al., 2017b”
Chapter 5	5.5.1.3	89 : 30	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 5	5.5.1.3	89 : 43-44	Replace “Williams et al., 2017c“” by “R.G. Williams et al., 2017b”
Chapter 5	5.5.1.3	89 : 51-52	Replace “Williams et al., 2017b“” by “R.G. Williams et al., 2017a”
Chapter 5	Table 5.7	90	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 5	Table 5.7	90	Replace “Millar et al., 2017b” by “Millar et al., 2017a”
Chapter 5	Table 5.7	90	Replace “Williams et al., 2017c“” by “R.G. Williams et al., 2017b”
Chapter 5	Table 5.7	90	Replace “Smith et al., 2018a” by “C.J. Smith et al., 2018”
Chapter 5	5.5.2	91 : 36	Replace “Millar et al., 2017b” by “Millar et al., 2017a”
Chapter 5	5.5.2	91 : 41	Replace “Collins et al., 2013b” by “M. Collins et al., 2013”
Chapter 5	5.5.1.4	91:17	1.0–2.3°C per 1000 PgC. By 1.0–2.3°C per 1000 PgC (0.27°C–0.63°C per 1000 GtCO2)
Chapter 5	5.5.2	92 : 1-2	Replace “Collins et al., 2013a; Stocker et al., 2013c” by “M. Collins et al., 2013; T.F. Stocker et al., 2013”

Chapter 5	5.5.2	92 : 3	Replace “Millar et al., 2017a” by “Millar et al., 2017b”
Chapter 5	5.5.2.1	92 : 11	Replace “Collins et al., 2013; Stocker et al., 2013” by “M. Collins et al., 2013; T.F. Stocker et al., 2013”
Chapter 5	5.5.2.1	92 : 15 92 : 16-17 92 : 30	Replace “Collins et al., 2013a” by “M. Collins et al., 2013” Replace “Stocker et al., 2013c” by “T.F. Stocker et al., 2013”
Chapter 5	5.5.2.1	92 : 33	Replace “Rogelj et al., 2015a, 2016, 2018b” by “Rogelj et al., 2015a, 2016, 2018”
Chapter 5	5.5.2.1	92 : 36	Replace “Collins et al., 2013b” by “M. Collins et al., 2013”
Chapter 5	5.5.2.1	92 : 40-41	Replace “Friedlingstein et al,. 2014” by “Friedlingstein et al,. 2014a”
Chapter 5	5.5.2.1	92 : 41	Replace “Millar et al., 2017” by “Millar et al., 2017b”
Chapter 5	5.5.2.1	92 : 48	Replace “Millar et al., 2017a” by “Millar et al., 2017b”
Chapter 5	5.5.2.1	93 : 1-2	Replace “Collins et al., 2013” by “M. Collins et al., 2013”
Chapter 5	5.5.2.1	93 : 21-22 93 : 24	Replace “Gidden et al., 2018” by “Gidden et al., 2019”
Chapter 5	5.5.2.2	93 : 44	Replace “Collins et al., 2013b” by “M. Collins et al., 2013”
Chapter 5	5.5.2.2.2	93 : 55	“Millar et al., 2017a” by “Millar et al., 2017b”
Chapter 5	5.5.2.2.2	94 : 3 94 : 10	Replace “Tokarska et al., 2019a” by “Tokarska et al., 2019b”
Chapter 5	5.5.2.2.2	94 : 8	Replace “Collins et al., 2013a” by “M. Collins et al., 2013” Replace “Stocker et al., 2013c” by “T.F. Stocker et al., 2013”
Chapter 5	5.5.2.2.3	94 : 20	Replace “Williams et al., 2017c“” by “R.G. Williams et al., 2017b”
Chapter 5	5.5.2.2.3	94 : 34	“Millar et al., 2017a” by “Millar et al., 2017b”
Chapter 5	5.5.2.2.3	94 : 34-35	Replace “Smith et al., 2018a” by “C.J. Smith et al., 2018”
Chapter 5	5.5.2.2.5	95 : 20	Replace “Burke et al., 2017” by “Burke et al., 2017b”
Chapter 5	5.5.2.3	96:10-11	655 ± 65 PgC (1-sigma range, or 2390 ± 240 GtCO2, By 655 ± 65 PgC (*likely* range, or 2390 ± 240 GtCO2,
Chapter 5	5.5.2.3	Table 5.8 Page: 96 Footnote: *(2)	655 ± 65 PgC (1-sigma range, or 2390 ± 240 GtCO2, By 655 ± 65 PgC (*likely* range, or 2390 ± 240 GtCO2,
Chapter 5	5.5.2.3	Table 5.8 Page: 96 Footnote: *(6)	very largely range (5–95%) By very likely range (5–95%)
Chapter 5	Box 5.2	97 : 10-11	Replace “Collins et al., 2013” by “M. Collins et al., 2013” Replace “IPCC, 2013” by “IPCC, 2013b” Replace “Stocker et al., 2013” by “T.F. Stocker et al., 2013”
Chapter 5	Box 5.2	97 : 14	Replace “Millar et al., 2017b” by “Millar et al., 2017a”
Chapter 5	Box 5.2	97 : 20 97 : 22 97 : 26	Replace “Millar et al., 2017a” by “Millar et al., 2017b”

Chapter 5	Box 5.2	97 : 22	Replace “Tokarska et al., 2019a” by “Tokarska et al., 2019b”
Chapter 5	Box 5.2	97 : 29	Replace “Meinshausen et al., 2011b” by “Meinshausen et al., 2011c”
Chapter 5	Box 5.2	97 : 30	Replace “Stocker et al., 2013c” by “T.F. Stocker et al., 2013”
Chapter 5	Box 5.2	97 : 34	Replace “Meinshausen et al., 2011a” by “Meinshausen et al., 2011c”
Chapter 5	Box 5.2	97 : 34	Replace “Friedlingstein et al,. 2014” by “Friedlingstein et al,. 2014a”
Chapter 5	Box 5.2	97 : 51	Replace “Meinshausen et al., 2011c” by “Meinshausen et al., 2011b”
Chapter 5	Box 5.2	97 : 52	Replace “Smith et al., 2018b” by “C.J. Smith et al., 2018”
Chapter 5	5.6.2	99 : 44	Replace “IPCC, 2018a” by “IPCC, 2018”
Chapter 5	Table 5.9	100	Replace “Oschlies et al., 2010” by “Oschlies et al., 2010a”
Chapter 5	Table 5.9	101	Replace “Oschlies et al., 2010c” by “Oschlies et al., 2010b”
Chapter 5	5.6.2.1.1	103 : 22	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 5	5.6.2.2.1	107 : 3	Replace “Pugh et al., 2019b” by “Pugh et al., 2019”
Chapter 5	5.6.2.2.1	107 : 17	Replace “Boysen et al., 2017” by “Boysen et al., 2017b”
Chapter 5	5.6.2.2.1	107 : 21-22	Replace “Zhang et al., 2013” by “W. Zhang et al., 2013”
Chapter 5	5.6.2.2.1	107 : 32 107 : 52 108 : 13-14 108 : 47	Replace “Smith et al., 2018c” or “Smith et al., 20a8” by “P. Smith et al., 2018”
Chapter 5	5.6.2.2.1	107 : 45	Replace “Sun et al., 2020b” by “W. Sun et al., 2020”
Chapter 5	5.6.2.2.1	107 : 48-49	Replace “Paustian et al., 2016a” by “Paustian et al., 2016”
Chapter 5	5.6.2.2.1	107:4	more additional By additional
Chapter 5	5.6.2.2.1	107:25	in dry areas By in dry regions
Chapter 5	5.6.2.2.1	107:45	agroforestry, and cropland By agroforestry, cropland
Chapter 5	5.6.2.2.1	107:46	conversion management By conversion
Chapter 5	5.6.2.2.1	108 : 4	Replace “Fischer et al., 2019a” by “B.M.C Fischer et al., 2019”

Chapter 5	5.6.2.2.1	108 : 5	Replace “Fischer et al., 2019” by “B.M.C Fischer et al., 2019”
Chapter 5	5.6.2.2.1	108 : 7	Replace “Liu et al., 2017b” by “Z. Liu et al., 2017”
Chapter 5	5.6.2.2.1	108 : 9	Replace “Wang et al., 2019a; Yang et al., 2019a” by “S. Wang et al., 2019; Yang et al., 2019”
Chapter 5	5.6.2.2.1	108 : 26	Replace “Liu et al., 2020a” by “H. Liu et al., 2020”
Chapter 5	5.6.2.2.3	110 : 4	Replace “Keller et al., 2018” by “Keller et al., 2018a”
Chapter 5	5.6.2.2.3	110 : 7	Replace “Blanc-Betes et al.” by “Blanc-Betes et al., 2020”
Chapter 5	5.6.2.2.3	110 : 11	Replace “Smith et al., 2018” by “P. Smith et al., 2018”
Chapter 5	5.6.2.2.5	110 : 45	Replace “Wu et al., 2018b” by “J. Wu et al., 2018”
Chapter 5	5.6.2.2.5	110:42-43	using for example zeolite trapping, but instead of storing it CH4 would By using, for example, zeolite trapping, but instead of storing it, CH4 would
Chapter 5	5.6.3.1	111 : 54	Replace “Yang et al., 2020a” by “C.-E. Yang et al., 2020”
Chapter 5	5.6.3.1	112 : 16 112 : 22	Replace “Yang et al., 2020b” by “C.-E. Yang et al., 2020”
Chapter 5	5.6.3.2	113 : 6 113 : 15	Replace “Yang et al., 2020b” by “C.-E. Yang et al., 2020”
Chapter 5	5.6.3.2	113 : 20	Replace “Jones et al., 2013a” by “A. Jones et al., 2013”
Chapter 5	5.7	114:7	partitioning of the land and By partitioning the land and
Chapter 5	5.7	114:13	Reduce uncertainties in wetland CH4 emissions, which is largest By Reduce uncertainties of CH4 emissions from wetlands and inland waters, which are the largest
Chapter 5	References	124:1	Two new references must be added to the list that were omitted in the FGD. These are: Sheng, J., S. Song, Y. Zhang, R. Prinn, & G. Janssens-Maenhout. 2019. Bottom-Up Estimates of Coal Mine Methane Emissions in China: A Gridded Inventory, Emission Factors, and Trends. Environmental Science & Technology Letters 6, no. 8: 473-478. https://dash.harvard.edu/bitstream/handle/1/42497758/draft_chinacoal_final.pdf?sequence=2&isAllowed=y Junlian Gao, ChengHe Guan, Bo Zhang, China's CH4 emissions from coal mining: A review of current bottom-up inventories, Science of The Total Environment, Volume 725, 2020, 138295, ISSN 0048-9697, https://doi.org/10.1016/j.scitotenv.2020.138295.
Chapter 5	Figure 5.1	177	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
Chapter 5	Figure 5.31	210:18	Coloured areas show the Chapter 4 assessed *very likely* range of GSAT projections and thick coloured central lines the median estimate, for each respective scenario, relative to the original scenario emissions (Riahi et al., 2017; Gidden et al., 2018; Rogelj et al., 2018a). By Coloured areas show the Chapter 4 assessed *very likely* range of GSAT projections and thick coloured central lines the median estimate, for each respective scenario. These projections are expressed relative to the cumulative CO2 emissions that are available for

			emission-driven CMIP6 ScenarioMIP experiments for each respective scenario (Riahi et al., 2017; Gidden et al., 2018; Rogelj et al., 2018a).

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 6

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
6			Replace “climate mitigation” with “climate change mitigation” throughout the chapter
6			Change instances of “VOC” with “NMVOC” throughout the chapter.
6	TOC / 6.6.2.3.4	Numbering of section	Section “6.6.2.3.4” should be “6.6.2.4”
6	TOC / “6.6.2.3.5”	Numbering of section	Section “6.6.2.3.5” should be “6.6.2.5”
6	ES	5:20	Replace “GSAT” by “global surface temperature (GSAT)”
6	ES	6:33	Change “SLCFs” to “SLCF changes”
6	ES	7:43	Replace [0.00–0.10] by [0.00 to 0.10] °C
6	Section 6.1.1	9:28	Replace “account for” with “includes”
6	Section 6.1.1	9:33	Add “net” after or
6	Figure 6.1	9	A new version has been produced with modified arrows in the schematic representation of ozone chemistry modified (uploaded on the figure manager)
6	Section 6.1.1	10:8	Delete “oxidation”
6	Table 6.1	10 (6th row called NMVOCs)	Add a footnote to indicate that some NMVOCs are biogenic volatile organic compounds (BVOCs)
6	6.1.1	11:10	Remove the first “mu” after 50
6	Table 6.1	11 (last row, column 6 called Mineral Dust)	Replace “-” with “+/-”
6	Table 6.1	10-11	Add “Ecosystem” in the 7th Column “Other effects on climate” for SO2, Sulphates, Nitrates, Carbonaceous aerosols, Sea spray and Mineral dust
6	Section 6.1.2	11:39	Delete “ERFaci”
6		12:23	Replace “land-use” by “land use” remove hyphen
6	6.1.2	12:14-23	Check if BVOC and SOA (used in p12 are spelled out before theri first use (biogenic volatile organic compounds and secondary organic compounds
6	6.1.3	12:55	“Modelling” should be “models”
6	6.2.1	13:50	Add at the end of the sentence “and in Section 6.7.1.1.”
6	6.2.1	13:55	“timeseries” should be “time serie”
6	6.2.1	13 : 34	Replace “Wang et al., 2014c, 2014b” by “R. Wang et al., 2014; S.X. Wang et al., 2014”
6	6.2.1	13 : 41 14 : 11	Replace “Klimont et al., 2017b” by “Klimont et al., 2017a”
6	6.2.1	14 : 26-27 14 : 29	Replace “Jiang et al., 2018a” by “Jiang et al., 2018”
6	6.2.1	14 : 35	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”
6	6.2.1	14:2	Remove , after i.e.
6	6.2.1	14:4	add , between “emissions” and “making”
6	6.2.1	14:23	Add , before “with”
6	6.2.1	14:36	; should be :
6	6.2.1	14:43	“sector” should be “sectors”

6	Section 6.2.1	14:34	Replace “CEDs.” by “CEDS” (Capital S and no point after)
6	6.2.1	15:47	add a , after “1950”
6	6.2.1	15:50	add a , after “terms”
6	6.2.1	15 : 2 15 : 4	Replace “Li et al., 2019” by “M. Li et al.,. 2019”
6	6.2.2	16:56	Add “period” after “preindustrial”
6	Section 6.2.1	16:26	Replace “OECD countries” by “countries from the Organisation for Economic Co-operation and Development (OECD)”
6	Section 6.2.2	17:2	Replace “.” after Section 2.2.2 by “ and natural sources of methane and N2O are assessed in Sections 5.2.2 and 5.2.3.”
6	6.2.2.1	17:17	Remove “the” before “CMIP5”
6	6.2.2.1	17:23	Add , before and after “however”
6	6.2.2.2	17:39	Check if first occurence of ESM
6	6.2.2.2	17:42	ESM should be ESMs
6	6.2.2.3	17:55	Is PFT defined earlier?
6	6.2.2.1	17 : 12	Replace “Allen et al., 2019a” by “D.J. Allen et al., 2019”
6	6.2.2.1	17 : 15	Replace “Lamarque et al., 2013c” by “Lamarque et al., 2013b”
6	6.2.2.3	18 : 34	Replace “Heald and Geddes, 2016a” by “Heald and Geddes, 2016”
6		18:50	Replace “land-use” by “land use” remove hyphen
6	6.2.2.3	18:32	Is LULCC previously defined
6	6.2.2.3	18:48	Add “(“ before low confidence
6		19:7	Replace “land-use” by “land use” remove hyphen
6	6.2.2.4	19:18	Add , after “however”
6	6.2.2.4	19:20	Add , after “manner”
6	6.2.2.5	19:31-34	Check if CCN and POA defined earlier
6	6.2.2.5	19:34	“Wind induced” should be “wind-induced”
6	6.2.2.5	19:51	“Year” should be “yr” (x3 on this line)
6	6.2.2.5	19 : 44	Remove “Burrows et al., 2018“
6	6.2.2.5	20:1	“Predict” should be “project”
6	6.2.2.6	20:9	Sentence should start with “Emissions from”
6	6.2.2.6	20:37	Add , before “consistently” and remove the one after
6	6.2.2.6	20:39	Move possible (line 40) before “leading”
6	6.2.2.6	20:24	Replace “differ” by “by”
6	6.2.2.6	20:54	Replace “in pre-industrial to the 1980s of biomass SLCF emissions” by “SLCF emissions from biomass burning from the preindustrial to 1980s”
6	6.3	21:7	Remove the s to SLCFs
6	6.3	21:8-9	Replace “aqueous” by “heterogeneous”
6	Section 6.2.2.6	21:1	Replace “confidence of” by “confidence in”
6	Box 6.1	22:44	Replace ‘multimodel’ with ‘multi-model’. Add hyphen
6	Box 6.1	22 : 38	Replace “Naik et al., 2013b” by “Naik et al., 2013”
6	6.3.1	23 : 23	Replace “Myhre et al., 2013b” by “Myhre et al., 2013”
6	6.3.1	23 : 29-30 23 : 39	Replace “Zhao et al., 2019b” by “Y. Zhao et al., 2019”
6	Section 6.3.1	23:20	Add “chemical” between “methane” and “lifetime”
6	Section 6.3.1	24:24	Remove the minus sign before “δ (ln τtotal)/ δ (ln[CH4])”
6	6.3.2.1	25:6	“In troposphere” should be “in the troposphere”
6	6.3.2.1	25 : 21 26 : 13-14	Replace “Myhre et al., 2013b” by “Myhre et al., 2013”
6	Section 6.3.2.1	26:16	Insert space after “109”
6	6.3.2.2	27:46	Are DU and ODS defined somewhere?
6	Section 6.3.2.2	27:38	Delete “-” from “total-column ozone”
6	6.3.3.1	28 : 27	Replace “Lamarque et al., 2013b” by “Lamarque et al., 2013a”
6	6.3.3.1	28 : 38	Replace “Jiang et al., 2018b” by “Jiang et al., 2018”
6	6.3.3.1	28 : 40	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”

6	Figure 6.6 caption	29:8	Replace “Long term” by “Long-term”
6	6.3.3.2	29:36	Replace “emissions datasets” by “emission datasets”
6	Section 6.3.3.2	30:11-12	Remove “(“ before “Buchholz”, remove “,” after “.” and add “(“ before “2021”. Final text should be “Buchholz et al. (2021)”
6	6.3.3.2	30:5	“Low confidence” should be in italic
6	6.3.3.3	32:17	Replace “HCHO” by “formaldehyde (HCHO)”
6	6.3.3.4	32:52	“upper troposphere and lower stratosphere” by “Upper Troposphere and Lower Stratosphere”
6	Section 6.3.4	34:21	Replace “2015b” with 2015
6	6.3.4	34 : 21	Replace “Leedham Elvidge et al., 2015b” by “Elvidge et al., 2015a”
6	6.3.4	35 : 1-2	Replace “Leedham Elvidge et al., 2015a” by “Elvidge et al., 2015b”
6	6.3.4	35 : 40	Replace “Zhang et al., 2012a” by “F. Zhang et al., 2012”
6	6.3.5	35 : 52 35: 53 35: 55-56 35 : 56	Replace “Gliß et al., 2020” by “Gliß et al., 2021a”
6	6.3.5	35 : 56 36 : 1	Replace “Cherian and Quaas, 2020a” or “Cherian and Quaas, 2020b” by “Cherian and Quaas, 2020”
6	Section 6.3.4	35:2	Replace “2015a” with 2015
6	Figure 6.7	35	A new version has been produced with blurred boundaries between regions (uploaded on the figure manager)
6	6.3.5	35:12	Replace “long term” by “long-term”
6	6.3.5.1	36 : 41	Replace “Myhre et al., 2013b” by “Myhre et al., 2013”
6	6.3.5.1	37 : 47	Replace “Gliß et al., 2020” by “Gliß et al., 2021a”
6	6.3.5.2	38 : 27	Replace “Zhang et al., 2012b” by “H. Zhang et al., 2012”
6	6.3.5.2	38 : 38 38 : 40	Replace “Gliß et al., 2020” by “Gliß et al., 2021b”
6	Section 6.3.5.1	38:1	Replace “(47%)” with “(47 ± 20%)” and “(40%)” with “(40 ± 30%)
6	Section 6.3.5.1	38:2	Replace “52%” with “52 ± 21%”and “21%” with “21 ± 14%”
6	Section 6.3.5.3	39:19	Replace first instance of “ERF” with “forcing”, replace “ERF of” by “forcing from”
6	6.3.5.3	39 : 19	Replace “Haines et al., 2017a” by “Haines et a., 2017”
6	6.3.5.3	40 : 8	Replace “Lee et al., 2013a” by “Lee et al., 2013”
6	6.3.5.3	40 : 15 40 : 26 40 : 29 40 : 33 40 : 36	Replace “Gliß et al., 2021” by “Gliß et al., 2021b”
6	6.3.5.3	40 : 19	Replace “Morgan et al., 2019” by “Morgan et al., 2020” Replace “Zhao et al., 2019a” by “D. Zhao et al., 2019”
6	6.3.5.3	40 : 23	Replace “Zhang et al., 2017a” by “G. Zhang et al., 2017”
6	6.3.5.3	40 : 30-31	Replace “Lee et al., 2013b” by “Lee et al., 2013” Replace “Wang et al., 2014a” by “Q. Wang et al., 2014”
6	Table 6.7	43	Replace “Zhao et al., 2019b” by “Y. Zhao et al. (2019)”
6	Section 6.3.6	43:11	Delete “stabilized or”
6	Table 6.7	43	Replace “<” with “within” on rows 4 and 15 of the table
6	Section 6.4	44:13	Replace “ERFs” by “effective radiative forcing (ERF)”
6	6.4	44:33-34	Replace “cloud condensation nuclei (CCN) “ by “CCN” (acronym already defined p19)
6	6.4	44 : 30 44 : 39	Replace “Gliß et al., 2021” by “Gliß et al., 2021b”
6	6.4.1	45 : 7	Replace “Myhre et al., 2013b” by “Myhre et al., 2013”

6	6.4.1	45:6	"medium" should be in italic
6	6.4.1	45:4	"confidence" should be in italic
6	Caption Figure 6.10	46 138	Replace"Multi-model mean Effective radiative forcings (ERFs) due to aerosol changes between 1850 and recent-past (1995-2014)." by "Multi-model mean Effective radiative forcings (ERFs) over recent-past (1995-2014) induced by aerosol changes since 1850."
6	Figure 6.12	47	A new version has been produced with updated estimates of the aerosol contribution (uploaded on the figure manager)
6	6.4.2	47:54	Replace "1.21 (0.90 to 1.51" by "1.19 (0.81 to 1.58)"
6	Caption Figure 6.12	47	"Contrails and Light absorbing particle on snow and ice (LAP) contributions to ERF and GSAT change are not represented, but their estimates can be seen on Figure 7.6 And 7.7 respectively)"
6	6.4.2	47 : 52	Replace "Myhre et al., 2013b" by "Myhre et al., 2013"
6	6.4.2	48:45	Replace "SLCFs" with "emitted compounds"
6	6.4.2	48:4	Replace "0.45" by "0.44"
6	6.4.2	48:9-10	Replace "-0.29 (-0.57 to 0.0)" by "-0.27 (-0.55 to 0.01)"
6	6.4.2	48:18	Replace "-0.90 (-0.24 to -1.56)" by "-0.94 (-1.63 to -0.25)"
6	6.4.2	48:19	Replace "-0.22" by "-0.23" and "-0.68" by "-0.70"
6	6.4.2	48:23	Replace "0.063 (-0.28 to 0.42)" by "0.11 (-0.20 to 0.42)"
6	6.4.2	48:30	Replace "-0.20 (-0.03 to -0.41)" by "-0.21 (-0.44 to 0.02)"
6	6.4.3	49:29	Insertion: change "...stratospheric between 1979..." to "...stratospheric cooling between 1979..."
6	6.4.3	49:31	Insertion: change "...near-surface air temperature in comparison…" to "...near-surface air temperature responses in comparison…"
6	6.4.3	49:44	Insert comma: change "...understood providing…" to "...understood, providing…"
6	6.4.3	50:32-34	Change ", and resulting climate effects." to ", and resulting radiative efficacy."
6	6.4.3	50:1	"high confidence" should be in italic
6	Caption Figure 6.13	50 142	Replace "Multi-model mean surface air temperature response due to aerosol changes between 1850 and recent-past (1995-2014) calculated as the difference between CMIP6 'historical' and AerChemMIP 'hist-piAer' experiments, where a) is the spatial pattern of the annual mean surface air temperature response, and b) is the mean zonally averaged response. Model means are derived from years 1995-2014. " By "Multi-model mean surface air temperature response over recent-past (1995-2014) induced by aerosol changes since 1850 calculated as the difference between CMIP6 'historical' and AerChemMIP 'hist-piAer' experiments averaged over 1995-2014 years, where a) is the spatial pattern of the annual mean surface air temperature response, and b) is the mean zonally averaged response. "
6	6.4.3	50:4	change "(6.10)" to "(Figure 6.10)"
6	6.4.3	50 : 6	Replace "Sand et al., 2013b" by "Sand et al., 2013a"
6	6.4.3	50 : 25	Replace "Ren et al., 2020b" by "Ren et al., 2020"
6	6.4.3	50 : 28	Replace "Sand et al., 2013a" by "Sand et al., 2013b"
6	6.4.4	51 : 53	Replace "Wang et al., 2018c" by "X. Wang et al., 2018"
6	6.4.5	52 : 49	Replace "Burrows et al., 2018" by "Cochran et al., 2017" https://pubs.acs.org/doi/abs/10.1021/acs.accounts.6b00603
6	6.4.5	53 : 13	Replace "Wang et a., 2018b" by "S. Wang et al., 2018"
6	6.4.5	53:43	change "water vapour and increases" to "water vapour, and increases"

6	6.4.5	54:11	Close parenthesis: "(see Section 6.2.2.3" to "(see Section 6.2.2.3)"
6	6.4.5	54 : 46	Replace "Arneth et al. (2010" by "Arneth et al. (2010a)"
6	6.4.6	55 : 28	Replace "National Academy of Sciences, 2015" by "NRC, 2015"
6	6.4.5, Table 6.8 caption	55:17	Add subscript: Greek alpha should have a subscript "x" like in line 14
6	6.4.6.	56:20	"Marine source brightening by "Marine Source Brightening"
6	6.4.6.	56:40	Cirrus cloud thinning by "Cirrus Cloud Thinning
6	6.4.6.	56:5	Replace"Stratospheric aerosol injections" by "Stratospheric Aerosol Injections (SAI)"
6	6.5.1	57:30	"high confidence" should be in italic
6	6.5.1	57:32	"medium confidence" should be in italic
6	6.4.6	57 : 39	Replace "Banerjee et al., 2015" by "Banerjee et al., 2016"
6	6.5.1	58:50	Replace 'lighting' with 'lightning'. Mispelling.
6	6.5.2	59:25	"no confidence level" should not be in italic
6	Caption Figure 6.14	59:6	"O3", 3 should be in subscript
6	Caption Figure 6.14	59:6	Add "" around ssp370SST
6	Caption Figure 6.14	59:7	Add "" around ssp370pdSST
6	6.5.2	59 : 32	Replace "Wang et al., 2018a; Zhao et al., 2019c" by "B. Wang et al., 2018; Zhao et al., 2019"
6	6.5.2	59 : 37 59 : 46	Replace "Allen et al., 2016b, 2019b" by "R.J. Allen et al., 2016, 2019"
6	6.5.3	60:17-18	"medium confidence" should be in italic
6	6.5.3	60:19	"low confidence" should be in italic
6	6.6	61:16-17	"mitigation of specific anthropogenic sources" should be changed to "mitigation of emissions from specific anthropogenic sources"
6	6.6	61:38-39	Add "to remain below" after "and/or"
6	6.6	61:50-51	"The effects of the measures to contain the spread of COVID-19 in 2020 on air quality and climate are discussed in cross-chapter box 6.1 at the end of this section" should be rephrased as "The air quality and climate effects of the measures to contain the spread of COVID-19 in 2020 are discussed in cross-chapter box 6.1 at the end of this section"
6	6.6	61 : 8	Replace "Shindell et al., 2012a, 2017a" by "Shindell et al., 2012, 2017b"
6	6.6	61 : 26	Replace "Allen et al., 2016a" by "M.R. Allen et al., 2016"
6	6.6	61 : 35-36	Replace "Shindell et al., 2012a, 2017a" by "Shindell et al., 2012, 2017b" Replace "Haines et al. (2017a" by ""Haines et al., 2017)"
6	6.6	61 : 36	Replace "Shindell et al., 2017a" by "Shindell et al., 2017b
6	6.6	61 : 41-42	Replace "Shindell et al., 2017a" by "Shindell et al., 2017b" Replace "Haines et al., 2017a" by "Haines et al., 2017" Replace "Li et al., 2018a" by "Li et al., 2018"
6	6.6	61 : 43-44	Replace "Li et al., 2018a" by "Li et al., 2018"
6	6.6	61 : 45	Replace "Lund et al., 2014a" by "Lund et al., 2014"
6	6.6.1	62:25	Replace "long term" by "long-term"
6	6.6.1	62:26	Replace "long term" by "long-term"
6	6.6.2.1	63:21	in "...(AFOLU) is a significant…" Replace "is" by "are"
6	6.6.2.1	63:36	Change "carbonaceous aerosol" to "carbonaceous aerosols"
6	6.6.2.1	63:24	Replace "near term" by "near-term"
6	6.6.2.2	63:38-39	Replace "The impacts of residential CO and VOC emissions are warming and SO2 and NOx are net cooling." by "The net effect of residential CO and VOC emissions is warming and that of SO2 and NOx is cooling of the atmosphere.
6	6.6.2.2	63:39	Remove "net"
6	6.6.2.2	63:41-44	Replace "Estimates of global residential sector direct aerosol-radiation effects range from -20 to +60 mW m-2 (Kodros et al., 2015) and -66 to +21 mW m-2 (Butt et al., 2016); and aerosol-cloud effects range from -20 to +10 mWm-2 (Kodros et

			al., 2015) and -52 to -16 mW m-2 (Butt et al., 2016).” by Estimates of direct aerosol-radiation and aerosol-cloud effects from global residential sector range from -20 to +60 mW m-2 (Kodros et al., 2015) and -66 to +21 mW m-2 (Butt et al., 2016) and from -20 to +10 mW m-2 (Kodros et al., 2015) and -52 to -16 mW m-2 (Butt et al., 2016), respectively.”
6	6.6.2.1	63 : 26	Replace “Heald and Geddes, 2016b” by “Heald and Geddes, 2016”
6	6.6.2.2	63 : 52	Replace “Silva et al., 2016a” by “Silva et al., 2016”
6	6.6.2.3.1	64 : 29 64 : 32-33 64: 36 64: 37 64: 39 64: 41 64 : 50	Replace “Lee et al. (2020a)” by “Lee et al. (2021)”
6	6.6.2.2	63:48-49	Delete “The net sign of the impacts of carbonaceous aerosols from residential burning on radiative forcing and climate (warming or cooling) is ambiguous”
6	6.6.2.2	64:1-6	Replace this sentence by “The net climate effect of a one year pulse of current emissions from the residential sector is warming in the near term of +0.0018±0.00084°C from fossil fuel use and +0.0014±0.0012°C from biofuel use. Over a 100 year time horizon, this warming is +0.0017±0.00017°C and +0.0001±0.000079°C, respectively (Lund et al., 2020). This is due to the effects of BC, CH4, CO and VOCs which add to that of CO2 but the uncertainty in the sign of carbonaceous aerosol net effects challenges overall quantitative understanding of this sector and leads to low confidence in this assessment.”
6	6.6.2.3.1	64:13	Replace the sentence by “Aviation is associated with a range of SLCFs, in particular emissions of NOx and aerosol particles, alongside emissions of water vapour and CO2.”
6	6.6.2.2	64:29	Replace “builds on” by “built upon”
6	6.6.2.3.1	64:29	There are three copies of the same Lee et al (2021) paper. 2020a, 2020b and 2021 are the same
6	6.6.2.3.1	64:35-37	Replace the sentence by “Contrails and aviation-induced cirrus yield the largest individual positive ERF followed by CO2 and NOx emissions (Lee et al., 2020a). The confidence level in ERF due to contrails and aviation-induced cirrus is assessed to be low by Chapter 7 (Section 7.3.4.2) due to potential missing processes.”
6	6.6.2.3.1	64:44	Replace “Bickel et al. (2020)” by “(Bickel et al. 2020)”. Remove “which has”
6	6.6.2.3.1	64:45	Replace “confirmed studies indicating” by “confirming”. Replace “Ponater et al. (2005) and Rap et al. (2010).” by “(Ponater et al., 2005; Rap et al., 2010).
6		64:8	Replace “sulphate aerosol yields” by “sulphate aerosols yield”
6		65:20	High-confidence, remove hyphen
6	6.6.2.3.2	65:42	Replace “one year of” with “a year’s worth of”
6	6.6.2.3.2	65:55	Replace “petrol” with “gasoline”
6	6.6.2.3.2	65 : 36	Replace “Liu et al., 2016b” by “H. Liu et al., 2016”
6	6.6.2.3.4	66:34	Replace “As discussed in” by “As discussed by”
6	6.6.2.3.3	66 : 2-3 66 : 4	Replace “Lund et al., 2014b” by “Lund et al., 2014” Replace “Huang et al., 2020b” by “Y. Huang et al., 2020”
6	6.6.2.3.3	66 : 11	Replace “Silva et al., 2016a” by “Silva et al., 2016”

6	6.6.2.3.3	66 : 13	Replace “Silva et al., 2016b” by “Silva et al., 2016”
6	6.6.2.3.5	68 : 31	Replace “Lee et al. (2020b)” by “Lee et al. (2021)”
6	6.6.3	69 : 14-15	Replace “Shindell et al., 2012a, 2017a” by “Shindell et al., 2012, 2017b” Replace “Haines et al. 2017a” by “”Haines et al., 2017”
6	6.6.3	69 : 46	Replace “Lund et al., 2014b” by “Lund et al., 2014”
6	6.6.3	69:35	Replace “LowSLCF” by “lowSLCF”
6	6.6.3.2	70:45	Replace “LowSLCF” by “lowSLCF”
6	6.6.3.1	70 : 33-34	Replace “Myhre et al., 2013b” by “Myhre et al., 2013”
6	6.6.3.1	70 : 35	Replace “Li et al., 2019a, 2020a” by “K. Li et al., 2019, 2020”
6	6.6.3.2	71 : 22	Replace “Klimont et al., 2017c” by “Klimont et al., 2017b”
6	6.6.3.3	71 : 43-44	Replace “Shindell et al., 2012b, 2017a” by “Shindell et al., 2012, 2017b” Replace “Haines et al. 2017a” by “”Haines et al., 2017” Replace “Klimont et al. 2017c” by “”Klimont et al., 2017b”
6	6.6.3.3	71 : 49	Replace “Haines et al. 2017a” by “”Haines et al., 2017”
6	6.6.3.3	72 : 19	Replace “Sand et al., 2013a” by “Sand et al., 2013b”
6	6.6.3.3	72 : 43	Replace “Li et al., 2018b” by “Li et al., 2018”
6	6.6.3.3	73 : 12	Replace “Shindell et al., 2017b” by “Shindell et al., 2017a”
6	6.6.3.3	73 : 28	Replace “Schmale et al., 2014b” by “Schmale et al., 2014a”
6	Box 6.2	73 : 55	Replace “Li et al., 2019a” by “K. Li et al., 2019”
6	6.6.3.3	73:20	Replace “maximum technical mitigation potential for CH4 globally” by “maximum technically feasible reductions (MTFR) for CH4 globally”
6	CCB 6.1	75 : 32-33	Replace “Bauwens et al., 2020b” by “Bauwens et a., 2020” Replace “Venter et al., 2020b” by “Venter et al., 2020”
6	CCB 6.1	75 : 40	Replace “Li et al., 2020b” by “L. Li et al., 2020”
6	CCB 6.1	75 : 45	Replace “Huang et al., 2020a” by “X. Huang et al., 2020”
6		77:2-3	Remove the sentence “Scenarios (….) (Forster et al. 2020))”. The second part of the sentence (which refered to WGIII) has been removed after the 12th of March but the sentence reads like a ghost now.
6	6.7.1.1	78:24	Replace “near term” by “near-term”
6	6.7.1.1	78 : 51	Replace “Pinder et al., 2006” by “Pinder et al., 2007”
6	6.7.1.1	79 : 15	Replace “Klimont et al., 2017b” by “Klimont et al., 2017a”
6	6.7.1.1	80:16	Replace “near term” by “near-term”
6	Section 6.7.1.1	80:7	Replace “high-emission” by “ high-CO2-emission“
6	6.7.1.1	81:13	“21st” st should be in superscript”
6	6.7.1.1	81 : 3	Replace “Haines et al. 2017b” by “”Haines et al., 2017” Replace “Klimont et al., 2017c” by “Klimont et al., 2017b”
6	6.7.1.2	82:10	Remove the blank before the full stop.
6	6.7.2 title	83:10	Replace “SLCF emissions” by “changes in SLCF emissions”
6	6.7.2.1 title	83:12	Replace “SLCFs” by “changes in SLCFs”
6	6.7.2.1	85:16	Replace “socio-economic developments” by “socio-economic developments and emission controls induced by policies”
6	6.7.2.1	85:20	Replace “warming of the SLCFs” by “warming induced by changes in SLCFs”
6	6.7.2.1	85:21	“in the mitigation scenarios” by “in the scenario considering strong climate change mitigation”
6	6.7.2.1	85:43	“ of the SLCFs” by “induced by changes in SLCFs”
6	6.7.2.2	85:50	“In the SSP3-7.0 scenario the net effect of SLCFs in all regions is an enhanced warming towards the end of the century. Methane then becomes the dominant SLCF, and Africa is the region contributing the most to predicted global warming in 2100 (0.24°C).” by “In the SSP3-7.0 scenario, the net effect induced by changes in SLCFs in all regions is an enhanced warming towards the end of the century, driven predominantly by change in methane. Africa is the region contributing the most to predicted global warming due to SLCF changes in 2100 (0.24°C).”

6	6.7.2.1	85:18	Replace “SLCFs” by SLCF changes”
6	6.7.2.1	85:21-22	Replace “high-emission” by “ high-CO2-emission“
6	Section 6.7.2.2	85:29	Replace “effective radiative forcing” by “ERF”
6	Section 6.7.3	86:22	Replace “long-lived climate forcers” by LLGHGs
6	Figure 6.7		Figure updated (to add a missing data point that should have been included in the FGD and boundaries blurred). Figure has been uploaded to the figure manager.
6	6.7.3	86:54	Replace “of 21st century” by “of the 21st century”
6	6.7.3	86:49	“21st” st should be in superscript
6	6.7.3	87:14-15	Replace “near and long term” by “near- and long-term”
6		87:47	Replace “land use” by “land- use” ADD hyphen
6	Caption 6.25	88:20	Replace “LowSLCF” by “lowSLCF”
6	6.7.3	88:51	Replace 0.1 °C by 0.08 °C
6	6.7.3	88:54	Replace 0.1 °C by 0.07 °C
6	6.7.3	88:55	Replace [0.1 to 0.20] by [-0.08 to 0.18]
6	6.7.3	89:1-2	Replace “near and long term” by “near- and long-term”
6	Figure 6.2	129	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
6	Figure 6.7	135:1-6	Replace Figure 6.7 with updated figure not indicating country borders.
6	Caption Figure 6.25	155:7	Replace “LowSLCF” by “lowSLCF”
6	Caption Figure 6.26	158:1	Replace “LowSLCF” by “lowSLCF”
6	Caption Figure 6.24	154:4	“Effects of “ should be “effects of changes in ”
6	Caption Figure 6.22	152:3	“Effects of “ should be “effects of changes in ”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 7

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
7	Executive Summary	6:37	Replace “153 [101 to 206]” with “152 [100 to 205]”. (change reflects small bug in energy inventory calculation).
Chapter 7	Executive Summary	6:43	Replace “more confident” with “strengthened”. (note that AR5 was also *high confidence*)
Chapter 7	7.2	14:53	Replace “ and is a key element in energy budget framework” by “, which is a key element of the energy budget framework”.
Chapter 7	7.2.1	16:13	Replace “Earth System Models (ESMs)” by “ESMs”
Chapter 7	7.2.2.2	18:24	Replace “a zero contribution” by “so a zero contribution”.
Chapter 7	7.2.2.2	18:25	Replace “are based on” by “is based on”.
Chapter 7	Table 7.1	18:40	Row 2 “Ocean”, 5th column: replace “90.9” with “91.0” and replace “9.9” with “10.0” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 2 “Ocean”, 7th column: replace “90.7” with “91.1”, replace “49.3” with “49.5”, and replace “32.4” with “32.6” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 4 “Cryosphere”, 4th column: replace “10.6” with “10.5” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 4 “Cryosphere”, 6th column: replace “5.4 [3.9 to 6.8]” with “4.7 [3.3 to 6.2]” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 4 “Cryosphere”, 7th column: replace “3.5” with “3.1” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 6 “TOTAL”, 2nd column: replace “545.5” with “545.3” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 6 “TOTAL”, 3rd column: replace “358.2” with “358.1” (change reflects small bug in energy inventory calculation)
Chapter 7	Table 7.1	18:40	Row 6 “TOTAL”, 4th column: replace “153.1 [100.6 to 205.5]” with “152.4 [100.0 to 204.9]” (change reflects small bug in energy inventory calculation)
Chapter 7	7.2.2.2	19:19	Remove “±”
Chapter 7	7.2.2.2	19:16	Replace “Box 7.2, Figure 1a” by “Box 7.2, Figure 1”.
Chapter 7	7.2.2.2	19:22	Replace “rate of global energy” by “annual rate of global energy”.
Chapter 7	7.2.2.2	19:6	Replace “about 3%” by “approximately 3%”.
Chapter 7	7.2.2.2	19:7	Replace “about 1%” by “approximately 1%”.
Chapter 7	7.2.2.2	19:8	Replace “about 8%” by “approximately 8%”.
Chapter 7	7.2.2.2	19:24	Replace “ocean warming dominates the changes in total Earth system heating” by “this Report finds that ocean warming dominates the changes in the global energy inventory”.
Chapter 7	7.2.2.3	19:48	Replace “as in Iran” by “as Iran”.
Chapter 7	7.2.2.3	20:49	Remove erroneous strikethrough text so that the start of the line reads “variability, could further contribute …”.
Chapter 7	Box 7.2	21:34	Replace “total climate feedback” by “climate system radiative response”.
Chapter 7	Box 7.2	21:46	Replace “Earth’s radiative response” by “the climate system radiative response”.
|Chapter 7	Box 7.2	21:41	Replace “ERF since 1971” by “ERF for the period 1971-2018”.
Chapter 7	Box 7.2	21:50	Replace “1971” by “for the period 1971-2018”.
Chapter 7	Box 7.2	22:19	Add a full-stop at the end of the sentence.

Chapter 7	Figure 7.1	175	Add harmonised visual roadmap as a new panel to the current visual roadmap (1st). To make sure that CH7 has something consistent with the other chapters, while keeping the useful information put forward in the current visual abstract .
Chapter 7	Figure 7.1 caption	11:45 175:4	Change "A visual abstract of the chapter, illustrating why the Earth's energy budget matters and how it relates to the underlying chapter assessment. The methods used to assess processes and key new findings relative to AR5 are highlighted." to "Visual guide to chapter 7. (Panel A) Overview of the chapter. (Panel B) Visual abstract of the chapter, illustrating why the Earth's energy budget matters and how it relates to the underlying chapter assessment. The methods used to assess processes and key new findings relative to AR5 are highlighted."
Chapter 7	7.1	11 : 15	Replace "Collins et al., 2013a" by "M. Collins et al., 2013"
Chapter 7	7.2.1	15 : 46-47	Replace "Loeb et al., 2018a" by "Loeb et al., 2018b"
Chapter 7	7.2.1	16 : 2	Replace "Li et al., 2013b" by "J.-L.F. Li et al., 2013"
Chapter 7	7.2.1	16 : 19	Replace "Christensen et al., 2016a" by "Christensen et al., 2016b"
Chapter 7	7.2.1	16 : 38-39	Replace "Li et al., 2013b" by "J.-L.F. Li et al., 2013" Replace "Zang et al., 2018a" by "C. Zang et al., 2018"
Chapter 7	7.2.1	17 : 2 17 : 5 17 : 8-9 17 : 12	Replace "Loeb et al., 2018a" by "Loeb et al., 2018b"
Chapter 7	7.2.2.2	18 : 4	Replace "Allison et al., 2020a" by "Allison et al., 2020"
Chapter 7	7.2.2.3	19 : 41	Replace "Li et al., 2016b" by "Z. Li et al., 2016"
Chapter 7	7.2.2.3	20 : 1-2	Replace "Li et al., 2016b" by "Z. Li et al., 2016" Replace "He et al., 2018b" by "Y. He et al., 2018"
Chapter 7	7.2.2.3	20 : 25	Replace "Li et al., 2018a" by "J. Li et al., 2018"
Chapter 7	7.3	24 : 29-30 24 : 31 24 : 32 24 : 49 25 : 16 25 : 28	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3	24 : 55	Replace "Smith et al., 2020b" by "Smith et al,. 2020a"
Chapter 7	Table 7.2	25	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3.1	26 : 14	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3.2	27:24	Replace "by 25%" with "by approximately 25%"
Chapter 7	7.3.2.1	28 : 5-6	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3.2.1	28 : 9	Replace "Richardson et al., 2018b" by "T.B. Richardson et al., 2018"
Chapter 7	7.3.3.1.1	34 : 17	Replace "Bellouin et al. (2013b)" by "Bellouin et al. (2013a)"
Chapter 7	7.3.3.1.2	34 : 51	Replace "Andrews et al., 2017a" by "E. Andrews et al., 2017"
Chapter 7	7.3.3.1.2	35 : 34 35 : 37	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3.3.1.3	36 : 8	Replace "Smith et al., 2020a" by "Smith et al,. 2020b"
Chapter 7	7.3.3.1.3	36 : 10	Replace "Smith et al., 2020b" by "Smith et al,. 2020a"
Chapter 7	Table 7.7	37 38	Replace "Bellouin et al. (2013a)" by "Bellouin et al. (2013b)" Replace "McCoy et al. (2017a)" by "McCoy et al. (2017b)" Replace "Christensen et al. (2016b)" by "Christensen et al. (2016a)"
Chapter 7	7.3.3.2.1	38 : 28 38 : 33 38 : 37	Replace "Bellouin et al. (2013a)" by "Bellouin et al. (2013b)"
Chapter 7	7.3.3.2.1	38 : 30 38 : 33	Replace "McCoy et al. (2017a)" by "McCoy et al. (2017b)"
Chapter 7	7.3.3.2.1	38 : 35	Replace "Christensen et al. (2016b)" by "Christensen et al. (2016a)"

		38 : 40	
Chapter 7	7.3.3.2.1	39 : 12	Replace “Christensen et al. (2016a)” by “Christensen et al. (2016b)”
Chapter 7	7.3.3.2.2	40 : 40	Replace “Golaz et al., 2019a” by “Golaz et al., 2019”
Chapter 7	7.3.3.2.2	40 : 44	Replace “Smith et al., 2020a” by “Smith et al,. 2020b”
Chapter 7	7.3.3.4	43 : 52	Replace “Smith et al., 2020a” by “Smith et al,. 2020b”
Chapter 7	7.3.4.1	44 : 40 45 : 1	Replace “Andrews et al. (2017b)” by T. “Andrews et al. (2017)”
Chapter 7	7.3.4.1	44 : 46	Replace “Smith et al., 2020a” by “Smith et al,. 2020b”
Chapter 7	7.3.4.1	45 : 6	Replace “Zhu et al., 2019a” by “Zhu et al., 2019b”
Chapter 7	7.3.4.3	45 : 39-40	Replace “He et al. (2018a)” by “”C. He et al. (2018)”
Chapter 7	7.3.5.1	48:45-46	Replace “CO_2 radiative efficiency” by “forcing for doubling CO_2”
Chapter 7	7.3.5.1	48:47	Replace “by 25%” with “by approximately 25%”
Chapter 7	CCB 7.1	53 : 30	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 7	7.4.1	60 : 20-21	Replace “Rugenstein et al., 2019a” by “Rugenstein et al., 2019”
Chapter 7	7.4.1	60:20	Replace “by about 10%” by “by about 15%”
Chapter 7	7.4.1	60:21	Replace “"small and cancel each other" by "small and approximately cancel each other"
Chapter 7	7.4.2.2	61 : 52 62 : 43-44 62 : 45	Replace “Sherwood et al., 2010b” by “Sherwood et al., 2010a”
Chapter 7	7.4.2.2	62 : 42 62 : 44	Replace “Po-Chedley et al., 2018a” by “Po-Chedley et al., 2018b”
Chapter 7	7.4.2.4.2	67 : 20	Replace “McCoy et al. (2017b)” by “McCoy et al. (2017a)”
Chapter 7	7.4.2.4.2	68 : 13	Replace “Li et al., 2018b” by “Y. Li et al., 2018”
Chapter 7	7.4.2.4.2	68 : 18	Replace “McCoy et al. (2017b)” by “McCoy et al. (2017a)”
Chapter 7	7.4.2.4.2	69 : 18-19	Replace “Zhang et al., 2018b” by “R. Zhang et al,. 2018”
Chapter 7	7.4.2.4	70:4	Replace “difference regimes” by “different regimes”
Chapter 7	7.4.2.5.2	71 : 38 71 : 51-52	Replace “Zhang et al., 2018c” by “W. Zhang et al., 2018”
Chapter 7	7.4.2.5.2	71 : 42	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 7	7.4.2.6	73 : 17	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 7	7.4.3	76 : 27	Replace “Hansen, 2005b” by “Hansen et al., 2005b”
Chapter 7	7.4.3.1	76 : 45 77 : 8	Replace “Zhu et al., 2019b” by “Zhu et al., 2019a”
Chapter 7	7.4.3.1	76 : 54-55	Replace “Zhu et al., 2019b” by “Zhu et al., 2019a” Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020” Replace “Rugenstein et al., 2019b” by “Rugenstein et al., 2020”
Chapter 7	7.4.3.1	76:55	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.4.3.1	77 : 1 77 : 11 77 : 28	Replace “Rugenstein et al., 2019b” by “Rugenstein et al., 2020”
Chapter 7	7.4.3.2	78 : 37	Replace “Rugenstein et al., 2019b” by “Rugenstein et al., 2020”
Chapter 7	7.4.3.3	78 : 48	Replace “Zhu et al., 2019b” by “Zhu et al., 2019a”
Chapter 7	7.4.4.1.1	80 : 54	Replace “Luo et al., 2017a” by “B. Luo et al., 2017”
Chapter 7	7.4.4.1.1	81 : 29-30	Replace “Po-Chedley et al., 2018a;” by “Po-Chedley et al., 2018b””
Chapter 7	7.4.4.1.1	82 : 2	Replace “Li et al., 2013a” by C. Li et al., 2013“”
Chapter 7	7.4.4.1.1	82 : 27	Replace “Liu et al., 2017a, 2017b” by “W. Liu et al., 2017; Y. Liu et al., 2017”
Chapter 7	7.4.4.1.2	84 : 11 84 : 41-42	Replace “Zhu et al., 2019b” by “Zhu et al., 2019a”
Chapter 7	7.4.4.2.1	85 : 49	Replace “Burls and Fedorov, 2014a” by “Burls and Fedorov, 2014b”
Chapter 7	7.4.4.2.1	86 : 7	Replace “Luo et al., 2017b” by “Y. Luo et al., 2017”
Chapter 7	7.4.4.2.1	86 : 26	Replace “Li et al., 2016a” by “X. Li et al., 2016”
Chapter 7	7.4.4.2.1	86 : 38	Replace “Watanabe et al., 2020a” by “Watanabe et al., 2020b”
Chapter 7	7.4.4.2.2	87 : 22-23	Replace “Burls and Fedorov, 2014b” by “Burls and Fedorov, 2014a”

Chapter 7	7.4.4.3	91 : 8	Replace “Loeb et al., 2018b” by “Loeb et al., 2018a”
Chapter 7	7.4.4.3	91 : 14	Replace “Li et al., 2013a” by “C. Li et al., 2013”
Chapter 7	7.5.1.2	94 : 23	Replace “Smith et al., 2020a” by “Smith et al,. 2020b”
Chapter 7	7.5.2.1	96 : 44 96 : 47-48	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.2.1	96:44	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.2.1	96:47	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.2.1	97 : 9-10	Replace “Richardson et al., 2016, 2018a” by “M. Richardson et al., 2016, 2018”
Chapter 7	7.5.2.1	97 : 13 98 : 6	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 7	7.5.3.1	101 : 49	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.3.1	101:49	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.3.3	102:49	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.3.3	102 : 49	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.3.4	103 : 20 103 : 21-22 103 : 26	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.3.4	103:20	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.3.4	103:21	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.3.4	103:26	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	Table 7.11	104	Replace “Annan and Hargreaves, Schneider von Deimling” by “Schneider von Deimling et al. (2006); Annan and Hargreaves (2013)” Annan and Hargreaves (2013) Doi:10.5194/cp-9-367-2013. Schneider von Deimling et al. (2006) Doi:10.1029/2006GL026484.
Chapter 7	7.5.3.4	104, Table 7.11, 3rd column, 4th row	Replace “Annan and Hargreaves, Schneider von Deimling” with “Annan and Hargreaves (2013), Schneider von Deimling et al. (2006)”
Chapter 7	7.5.4	106 : 60	Replace “Annan et al., 2020a” by “Annan et al., 2020”
Chapter 7	7.5.4.1	108 : 17 108 : 19	Replace “Po-Chedley et al., 2018b;” by “Po-Chedley et al., 2018a””
Chapter 7	7.5.4.1	108 : 23	Replace “Annan et al., 2020b” by “Annan et al., 2020”
Chapter 7	7.5.5	111 : 15	Replace “Collins et al., 2013a” by “M. Collins et al., 2013”
Chapter 7	7.5.5	111 : 20 111 : 25 111 : 39	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.5	111:52	Replace “4°C “by “4.5°C”
Chapter 7	7.5.5	111:39	Replace “Sherwood et al., 2020b” with “Sherwood et al., 2020”
Chapter 7	7.5.6	113 : 23	Replace “Sherwood et al., 2020b” by “Sherwood et al., 2020”
Chapter 7	7.5.6	115 : 10	Replace “Golaz et al., 2019b” by “Golaz et al., 2019”
Chapter 7	7.5.7	116 : 48	Replace “Po-Chedley et al., 2018a;” by “Po-Chedley et al., 2018b””
Chapter 7	7.5.7	117 : 30	Replace “Watanabe et al. (2020b)” by “Watanabe et al. (2020a)”
Chapter 7	7.6.1.1	119:13	Replace “1.36×10^{-5}, 3.77×10^{-4} and 3.11×10^{-3}” with “1.33×10^{-5}, 3.89×10^{-4} and 3.19×10^{-3}”
Chapter 7	7.6.1.1	119:15	Delete “re-evaluated radiative properties and”
Chapter 7	7.6.1.1	119:16	Replace “balance” by “do not quite balance”
Chapter 7	7.6.1.2	120 : 28 120 : 50	Replace “Collins et al., 2013b” by “W.J. Collins et al., 2013”
Chapter 7	7.6.1.3	120 : 53	Replace “Collins et al., 2013a” by “W.J. Collins et al., 2013”
Chapter 7	7.6.1.3	121 : 27	Replace “Collins et al., 2013b” by “W.J. Collins et al., 2013”

Chapter 7	References	163,50	Add reference: “Schneider von Deimling, T., A. Ganopolski, H. Held, and S. Rahmstorf, 2006: How cold was the Last Glacial Maximum?, Geophys. Res. Lett., 33, L14709, doi:10.1029/2006GL026484”
Chapter 7	References	165:35-38	Remove duplicate Sherwood et al. 2020b reference and replace “2020a” with “2020” on line 35
Chapter 7	References	135,23	Add reference: “Annan, J. D., and J. C. Hargreaves, 2013: A new global reconstruction of temperature changes at the Last Glacial Maximum, Clim. Past, 9, 367–376, doi:10.5194/cp-9-367-2013.”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 8

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
8	Executive Summary	7: 50-53	Replace ”The total land area subject to increasing drought frequency and severity will expand (*high confidence*), and in the Mediterranean, southwestern South America, and western North America, future aridification will far exceed the magnitude of change seen in the last millennium (*high confidence*).” By ”In the Mediterranean, southwestern South America, and western North America, future aridification will far exceed the magnitude of change seen in the last millennium (*high confidence*).”
8	8.1.1.1	10 : 51 11 : 8	Replace “Hoegh-Guldberg et al., 2019” by “Hoegh-Guldberg et al., 2018”
8	8.1.1.1	10: 8-11	Replace “96.6%” with “97%” Replace “only represents about 1.8%” with “represents less than 2%” Replace “1.6%” with “around 1-2%” Replace “97% of all freshwater resources, with less than 3% » with « 96% of all freshwater, with less than 4% »
8	8.1.1.2	12 : 8	Replace “Zhou et al., 2019c” by “Y.Q. Zhou et al., 2019”
8	8.1.1.2	12 : 10	Replace “Gutenstein et al., 2020” by “Gutenstein et al., 2021”
8	8.1.2.2	13 : 25-26	Replace “Hoegh-Guldberg et al., 2019” by “Hoegh-Guldberg et al., 2018”
8	8.1.2.2	13 : 41	Replace “Marzeion, 2018” by “Marzeion et al., 2018”
8	8.2	15 : 37-38	Replace “Döll et al., 2018a” by “Döll et al., 2018”
8	8.2	15 : 40-41	Replace “Vicente-Serrano et al., 2020b” by “Vicente-Serrano et al., 2020a”
8	8.2.1	17 : 3	Replace “Richardson et al., 2018c” by “T.B. Richardson et al., 2018”
8	8.2.1	17 : 12	Replace “Stephens et al. 2018b” by “G.L.Stephens et al. 2018”
8	8.2.1	17 : 15	Replace “Held and Soden, 2006b” by “Held and Soden, 2006”
8	8.2.1	17 : 29-30	Replace “Li et al., 2013b” by “G. Li et al., 2013”
8	8.2.1	17 : 38	Replace “Liu et al., 2018a” by “F. Liu et al, 2018”
8	8.2.1	17 : 50	Replace “Liu et al., 2018c” by “L. Liu et al., 2018”
8	8.2.1	18 : 1 18 : 11 18 : 17	Replace “Richardson et al., 2018c” by “T.B. Richardson et al., 2018a”
8	8.2.1	18:17	Replace “global land globally” by “global land”
8	8.2.1	18 : 6	Replace “Chen et al., 2020b” by “J. Chen et al, 2020a”
8	8.2.2.1	18 : 53	Replace “Held and Soden, 2006a” by “Held and Soden, 2006”
8	8.2.2.1	19 : 4-5	Replace “Li et al., 2013b” by “G. Li et al., 2013”
8	8.2.2.1	19 : 6	Replace “Bhattacharya et al., 2017b” by T. “Bhattacharya et al., 2017”
8	8.2.2.1	19 : 19	Replace “Wang et al., 2018d” by “W. Wang et al., 2018”
8	8.2.2.1	19 : 33	Replace “Richardson et al., 2018c” by “T.B. Richardson et al., 2018a”
8	8.2.2.1	19 : 55	Replace “Vicente-Serrano et al., 2020b” by “Vicente-Serrano et al., 2020a”
8	8.2.2.2	20 : 43	Replace “Richardson et al., 2018c” by “T.B. Richardson et al., 2018a” Replace “Li et al., 2018b” by “X. Li et al., 2018”
8	8.2.2.2	20 : 46	Replace “Liu et al., 2018c” by “L. Liu et al., 2018” Replace “Wilcox et al., 2018b” by “Wilcox et al., 2019”
8	8.2.2.2	20 : 51	Replace “Chadwick et al., 2016a” by “Chadwick et al., 2016b”
8	8.2.2.2	20 : 53	Replace “Richardson et al., 2018a” by “D. Richardson et al., 2018”
8	8.2.2.2	22 : 20-21	Replace “Allen et al., 2015b; Li et al., 2016c” by “R.J. Allen et al., 2015; Z. Li et al., 2016b”
8	8.2.2.2	22 : 22	Replace “Zhou et al., 2019b” by “W. Zhou et al., 2019”

8	8.2.2.2	22 : 27-28	Replace “Bhattacharya et al., 2017a, 2018” by T. “R. Bhattacharya et al., 2017; Bhattacharya et al., 2018”
8	8.2.2.2	22 : 39	Replace “Yang et al., 2020a” by “H. Yang et al., 2020”
8	8.2.2.2	22 : 47	Replace “D’Agostino et al., 2020b” by “D’Agostino et al., 2020a”
8	8.2.3.1	23 : 36	Replace “Zeng et al., 2018a” by “X. Zeng et al., 2018”
8	8.2.3.1	23 : 39	Replace “Wu et al., 2018b” by “X. Wu et al., 2018”
8	8.2.3.1	23 : 54	Replace “Hock et al., 2019b” by “Hock et al., 2019a”
8	8.2.3.1	24 : 5	Replace “Oltmanns et al., 2018” by “Oltmanns et al., 2019”
8	8.2.3.1	24 : 10-11	Replace “Meredith et al., 2019b” by “M. Meredith et al., 2019”
8	8.2.3.1	24 : 40	Replace “Zhang et al., 2019b” by “W. Zhang et al., 2019a”
8	8.2.3.1	24 : 52	Replace “Held and Soden, 2006a” by “Held and Soden, 2006”
8	8.2.3.1	25 : 11	Replace “Chen et al., 2020b” by “Chen et al., 2020a”
8	8.2.3.1	25 : 18	Replace “Zhang et al., 2018f” by “Z. Zhang et al., 2018” Replace “Meredith et al., 2019a” by “E.P. Meredith et al., 2019”
8	8.2.3.1	25 : 29-30	Replace “Tapiador et al., 2019b” by “Tapiador et al., 2019a”
8	8.2.3.1	25 : 42 25 : 44	Replace “Taylor et al., 2013a” by “C.M. Taylor et al., 2013”
8	8.2.3.1	25 : 45	Replace “Moon et al., 2019a” by “H. Moon et al., 2019”
8	8.2.3.1	25 : 48	Replace “Moon et al., 2019b” by “I.J. Moon et al., 2019b”
8	8.2.3.1	26 : 4	Replace “Espinoza et al., 2018b” by “V. Espinoza et al., 2018”
8	8.2.3.1	26 : 26	Replace “Taylor et al., 2013b” by “R.G. Taylor et al., 2013a”
8	8.2.3.1	27 : 6-7	Replace “Vicente-Serrano et al., 2020b” by “Vicente-Serrano et al., 2020a”
8	8.2.3.3	27 : 14-15	Replace “Jones et al., 2013b” by “C.D. Jones et al., 2013”
8	8.2.3.3	27 : 18	Replace “Yang et al., 2018d” by “Y. Yang et al., 2018”
8	8.2.3.3	27 : 21-22 27 : 23	Replace “Singh et al., 2020a” by “A. Singh et al., 2020”
8	8.2.3.3	27 : 31	Replace “Allen et al., 2015a” by “C.D. Allen et al., 2015”
8	8.2.3.4	28 : 54	Replace “Ferguson et al., 2018b” by “G. Ferguson et al., 2018”
8	8.2.3.4	29 : 5	Replace “Wang et al., 2020d” by “X. Wang et al., 2020”
8	8.2.3.4	29 : 22-23	Replace “Li et al., 2018c” by “Y. Li et al., 2018”
8	8.2.3.4	29 : 30	Replace “Hoegh-Guldberg et al., 2019” by “Hoegh-Guldberg et al., 2018”
8	8.2.3.4	29: 48	Replace “There is *medium confidence* that urbanisation can increase local precipitation and runoff intensity” by “Urbanisation can increase local precipitation (*medium confidence*) and resulting runoff intensity (*high confidence*)”
8	Box 8.1	30 : 22	Replace “Polson et al. et al. 2014a” by “Polson et al., 2014”
8	Box 8.1	30 : 50	Replace “Wang et al., 2013c” by “Y. Wang et al., 2013”
8	Box 8.1	31 : 39	Replace “Zhao et al., 2018a” by “C. Zhao et al., 2018”
8	Box 8.1	31 : 42	Replace “Liu et al., 2019a” by “H. Liu et al., 2019”
8	Box 8.1	31 : 36	Remove “Rosenfeld et al., 2008a”
8	8.3.1.1	32 : 33	Replace “Zhang et al., 2019c” by “W. Zhang et al., 2019b”
8	8.3.1.2	33 : 23	Replace “Chung et al., 2014b” by “E.-S. Chung et al., 2014”
8	8.3.1.2	34 : 4	Replace “Zhang et al., 2013b” by “X. Zhang et al., 2013”
8	8.3.1.2	34 : 8-9	Replace “Espinoza et al., 2018a” by “J.C. Espinoza et al., 2018” Replace “Wang et al., 2018c” by “X.Y. Wang et al., 2018”
8	8.3.1.3	34 : 44	Replace “Knutson and Zeng et al.” by “Knutson and Zeng”
8	8.3.1.3	34 :42	Replace “Sarojini et al., 2016),” by “Sarojini et al., 2016, Beck et al., 2017),” Ref: Beck et al. 2017 https://doi.org/10.5194/hess-21-6201-2017
8	8.3.1.3	35 : 13	Replace “Lee et al., 2018b” by “S.S. Lee et al., 2018”
8	8.3.1.3	35 : 28 36 : 35 36 : 37	Replace “Nguyen et al., 2018b” by “P. Nguyen et al., 2018”
8	8.3.1.3	35 : 45	Replace “Dey et al., 2018, 2019” by “Dey et al., 2018a, b”
8	8.3.1.3	35 : 45-46	Replace “Li et al., 2012a” by “J. Li et al., 2012”
8	8.3.1.3	35 : 48	Replace “Knutson and Zeng et al.” by “Knutson and Zeng”

		36 : 5 36 : 33 36 : 39	
8	8.3.1.3	36 : 9-10	Replace “Espinoza et al., 2018a” by “J.C. Espinoza et al., 2018” Replace “Wang et al., 2018c” by “X.Y. Wang et al., 2018”
8	8.3.1.3	36 : 28	Replace “Guo et al., 2017a” by “J. Guo et al., 2017”
8	8.3.1.4	37 : 35	Replace “Zhang et al., 2015a, 2016d; Zeng et al., 2018c” by “K. Zhang et al., 2015; Y. Zhang et al., 2016; Z. Zeng et al., 2018b”
8	8.3.1.4	37 : 37	Replace “Zeng et al., 2014, 2018c; Zhang et al., 2015a, 2016d;” by “Z. Zeng et al., 2014, 2018b; K. Zhang et al., 2015; Y. Zhang et al., 2016;”
8	8.3.1.4	37 : 38	Replace “Zeng et al., 2018b” by “Zeng et al., 2018a”
8	8.3.1.4	37 : 39-40	Replace “Stephens et al., 2018a” by “C.M. Stephens et al., 2018”
8	8.3.1.4	37 : 43 37 : 54	Replace “Zhang et al., 2015a” by “K. Zhang et al., 2015”
8	8.3.1.4	37 : 54	Replace “Y. Zhang et al., 2016d;” by “Y. Zhang et al., 2016”
8	8.3.1.4	38 : 15	Replace “Singh et al., 2020a” by “A. Singh et al., 2020”
8	8.3.1.4	38 : 16	Replace “Liu et al., 2020a” by “N. Liu et al,. 2020”
8	8.3.1.4	39 : 33	Replace “Chen et al., 2020a” by “H. Chen et al., 2020”
8	8.3.1.5	39:40	Delete “in detail”
8	8.3.1.5	39:40	Replace “Chapter 11” by “Chapter 11, Section 11.5.2”
8	8.3.1.5	39:42	Delete “(Section 11.5.2.1)”
8	8.3.1.5	39:42-43	Delete sentence “For changes in the frequency and magnitude of high flows, the conclusions remain limited by the large influence of water management (Section 11.5.2.2).
8	8.3.1.5	39:44-45	Delete “(Section 11.5.2.3)”
8	8.3.1.4	40 : 44	Replace “Liu et al., 2019d” by “Y. Liu et al,. 2019a”
8	8.3.1.4	41 : 7	Replace “Cook et al., 2004, 2010, 2015a” by “Cook et al., 2004, 2010; B.I. Cook et al., 2015”
8	8.3.1.4	41 : 16	Replace “Li et al., 2017d” by “Z. Li et al., 2017”
8	8.3.1.4	41 : 24 42 : 8 42 : 18	Replace “Knutson and Zeng et al.” by “Knutson and Zeng”
8	8.3.1.4	41 : 28	Replace “Vicente-Serrano et al., 2020a” by “Vicente-Serrano et al., 2020b”
8	8.3.1.7.2	43 : 48	Replace “Mudryk et al,. 2017” by “Mudryk et al,. 2017a”
8	8.3.1.7.2	44 : 2	Replace “Brown and Robinson, 2010” by “Brown and Robinson, 2011”
8	8.3.1.7.2	44 : 6	Replace “Mudryk et al,. 2017b” by “Mudryk et al,. 2017”
8	8.3.1.7.2	44 : 8	Replace “Wu et al. (2018)” by “X. Wu et al. (2018)”
8	8.3.1.7.4	45 : 4 45 : 7 45 : 12	Replace “Taylor et al., 2013b” by “R.G.. Taylor et al., 2013a”
8	8.3.1.7.4	45 : 18 45 : 29	Replace “Taylor et al., 2013c” by “R.G.. Taylor et al., 2013b”
8	8.3.1.7.4	45 : 28	Replace “Chen et al., 2020d” by “R. Chen et al., 2020”
8	8.3.2.1	47 : 24	Replace “Durack et al., 2010, 2012” by “Durack and Wijffels, 2010; Durack et al., 2012”
8	8.3.2.1	47 : 26	Replace “Bonfils et al. (2020a)” by “Bonfils et al. (2020)”
8	8.3.2.1	47 : 46	Replace “Haywood et al., 2013b” by “Haywood et al., 2013”
8	8.3.2.2	48 : 15	Replace “Wang et al., 2013b; Li et al., 2016c” by “T. Wang et al., 2013; Z. Li et al., 2016b”
8	8.3.2.2	48 : 31	Replace “Nguyen et al., 2018a” by “H. Nguyen et al., 2018”
8	8.3.2.3	49 : 22	Replace “Zhang et al., 2018b” by “L. Zhang et al., 2018”
8	8.3.2.3	49 : 23	Replace “Zhang et al., 2018a” by “L. Zhang et al., 2018”
8	8.3.2.3	49 : 28	Replace “Espinoza et al., 2016, 2018a” by “J.C. Espinoza et al., 2016, 2018”
8	8.3.2.3	49 : 47	Replace “Allen et al., 2015b” by “R.J. Allen et al., 2015”
8	8.3.2.4.1	50 : 38 50 : 42	Replace “Zhang et al., 2018a” by “E. Zhang et al., 2018”
8	8.3.2.4.1	50 : 47-48	Replace “Knutson and Zeng et al.” by “Knutson and Zeng”

8	8.3.2.4.1	51 : 1	Replace "Ramarao et al., 2018" by "Ramarao et al., 2019"
8	8.3.2.4.1	51 : 11-12	Replace "Polson et al. et al. 2014a" by "Polson et al., 2014"
8	8.3.2.4.1	51 : 13	Replace "Singh et al., 2020b" by "M. Singh et al., 2020b"
8	8.3.2.4.1	51 : 20	Replace "Huang et al., 2020b" by "X. Huang et al., 2020a"
8	8.3.2.4.1	51 : 21-22	Replace "Polson et al. et al. 2014b" by "Polson et al., 2014"
8	8.3.2.4.1	51 : 24	Replace "Hasson, 2014" by "Hasson et al., 2014"
8	8.3.2.4.2	51 : 48	Replace "Yang et al,. 2018b" by "S. Yang et al., 2018a"
8	8.3.2.4.2	51 : 53-54	Replace "Zhou et al., 2017a" by "Zhou et al., 2017b"
8	8.3.2.4.2	52 : 4-5	Replace "Wang et al., 2013b" by "T. Wang et al., 2013" Replace "Zhang et al., 2017a" by "L. Zhang et al., 2017"
8	8.3.2.4.2	52 : 11	Replace "Chen et al., 2018a, 2018b" by "G. Chen et al., 2018; X. Chen et al., 2018"
8	8.3.2.4.2	52 : 14 52 : 17 52 : 18-19	Replace "Zhou et al., 2017b" by "Zhou et al., 2017a"
8	8.3.2.4.2	52 : 14 52 : 18-19	Replace "Knutson and Zeng et al." by "Knutson and Zeng"
8	8.3.2.4.2	52 : 17	Replace "Li et al., 2016c" by "Z. Li et al., 2016b"
8	8.3.2.4.2	52 : 22	Replace "Li et al., 2017c" by "Y. Li et al., 2017"
8	8.3.2.4.2	52 : 24	Replace "Yang et al., 2017b" by "Q. Yang et al,. 2017"
8	8.3.2.4.2	52 : 46	Replace "Ali and Lebel et al., 2009" by "Ali and Lebel, 2009"
8	8.3.2.4.2	53 : 12 53 : 22	Replace "Zhang et al., 2017b" by "W. Zhang et al., 2017b"
8	8.3.2.4.2	53 : 15	Replace "Wilcox et al., 2018a" by "Wilcox et al., 2018"
8	8.3.2.4.3	53 : 20	Replace "Cook et al., 2015c" by "K.H. Cook et al., 2015"
8	8.3.2.4.4	53 : 50	Replace "Bhattacharya et al., 2017b" by T. "Bhattacharya et al., 2017"
8	8.3.2.4.4	53 : 54	Replace "Haywood et al., 2013a" by "A.M. Haywood et al., 2013"
8	8.3.2.4.4	54 : 24	Replace "Li et al., 2011, 2012b" by "W. Li et al., 2011, 2012"
8	8.3.2.4.5	54 : 40-41 54 : 47	Replace "D'Agostino et al., 2020a" by "D'Agostino et al., 2020b"
8	8.3.2.4.5	55 : 4	Replace "Hoegh-Guldberg et al., 2019" by "Hoegh-Guldberg et al., 2018"
8	8.3.2.4.6	55 : 51	Replace "D'Agostino et al., 2020a" by "D'Agostino et al., 2020b"
8	8.3.2.4.6	55 : 54	Replace "Dey et al., 2018, 2019" by "Dey et al., 2018a, b"
8	8.3.2.4.6	55 : 54-55	Replace "J. Li et al., 2012a" by "J. Li et al., 2012"
8	8.3.2.4.6	56 : 5	Replace "Dey et al., 2018" by "Dey et al., 2019ab"
8	8.3.2.4.6	56 : 6	Replace "Knutson and Zeng et al." by "Knutson and Zeng"
8	8.3.2.4.6	56 : 19	Replace "Villafuerte et al." by "Villafuerte and Matsumoto"
8	8.3.2.5	56 : 42	Replace "Wang et al., 2018c" by "S.-Y.S. Wang et al., 2018"
8	8.3.2.5	56 : 47-48	Replace "Guo et al., 2017b" by "L. Guo et al., 2017"
8	8.3.2.5	56 : 51	Replace "W. Zhang et al., 2018d" by "W. Zhang et al., 2018"
8	8.3.2.5	56: 34	Replace "There is *medium confidence* that" by "Although observational data limitations (Lau and Zhou, 2012) tend to limit detection of anthropogenic forced increases in TC precipitation (Knutson et al., 2019), there is *medium confidence* that "
8	8.3.2.5	57: 9-10	Replace "In summary, there is *low confidence* of an observed increase in TC precipitation intensity due to observing system limitations" by "In summary, there is *medium confidence* of an observed increase in TC precipitation intensity in regions with sufficient data coverage"
8	8.3.2.5	57: 10	Replace "However, robust physical …" by "Robust physical …"
8	8.3.2.6	57 : 43	Replace "Wang et al., 2013a" by "L. Wang et al., 2013"
8	8.3.2.5	57:7	Replace "partly due to" by "mostly due to"
8	8.3.2.5	57: 4-7	Delete the text "Despite growing evidence ….(e.g., Lau and Zhou, 2012)".
8	8.3.2.8.1	58 : 51-52 59 : 8 59 : 55	Replace "Wang et al., 2016b" by "X.L. Wang et al., 2016"

8	8.3.2.8.1	58 : 53	Replace “Li et al., 2016b” by “Z. Li et al., 2016a”
8	8.3.2.8.1	59 : 12	Replace “Priestley et al., 2020” by “Priestley et al., 2020a”
8	8.3.2.8.1	59 : 48	Replace “Wang et al., 2017b” by “J. Wang et al., 2017”
8	8.3.2.9.1	61 : 15	Replace “Zhang et al., 2015b” by “Z. Zhang et al., 2015”
8	8.3.2.9.1	61 : 33	Replace “Yang et al., 2018c” by “S. Yang et al., 2018b”
8	8.3.2.9.1	61 : 33-34	Replace “Chen et al., 2018b” by “X. Chen et al., 2018”
8	8.3.2.9.1	62 : 10	Replace “Z. Wang et al,. 2020c” by “Wang et al., 2020”
8	8.3.2.9.1	62 : 36	Replace “Tan et al., 2020a; Yang et al,. 2020b” by “H. Tan et al., 2020; Y.-M. Yang et al,. 202b”
8	8.3.2.9.1	62 : 42	Replace “Wang et al,. 2018a” by “B. Wang et al., 2018”
8	8.3.2.9.1	62 : 42	Replace “Wang et al,. 2020c” by “J. Wang et al., 2020”
8	8.3.2.9.2	63 : 9	Replace “Wang et al., 2018f” by “Z. Wang et al., 2018”
8	8.3.2.9.2	63 : 16	Replace “Nguyen et al., 2018a” by “H. Nguyen et al., 2018
8	8.3.2.9.2	63 : 26-27	Replace “Liu et al., 2018d” by “T. Liu et al., 2018”
8	8.3.2.9.2	64 : 43	Replace “Richardson et al., 2018b” by “T.B. Richardson et al., 2018b”
8	8.4.1.2	67 : 40	Replace “Chadwick et al., 2016b” by “Chadwick et al., 2016a”
8	8.4.1.2	67 : 46	Replace “Zhang et al., 2018c” by “R. Zhang et al., 2018”
8	8.4.1.3	68 : 52 68 : 55	Replace “Chadwick et al., 2016a” by “Chadwick et al., 2016b”
8	Box 8.2	70 : 51	Replace “Tan et al., 2020b” by “X. Tan et al., 2020”
8	Box 8.2	70 : 5	Replace “Li et al., 2016a” by “X. Li et al., 2016a”
8	Box 8.2	71 : 6	Replace “Zhang et al., 2017c” by “W. Zhang et al,. 2017a”
8	Box 8.2	71 : 20	Replace “Zeng et al., 2018a” by “X. Zeng et al., 2018”
8	Box 8.2	72 : 8	Replace “Li et al., 2019b” by “Y. Li et al., 2019”
8	Box 8.2	72 : 11	Replace “Chen et al., 2020f” by “Z. Chen et al., 2020a”
8	Box 8.2	72 : 15	Replace “Zhang et al., 2019c” by “W. Zhang et al,. 2019b”
8	Box 8.2	72 : 30	Replace “Sun et al., 2018b” by “F. Sun et al., 2018”
8	Box 8.2	72 : 31-32	Replace “Ferguson et al., 2018” by “C.R. Ferguson et al., 2018”
8	Box 8.2	72 : 45	Replace “Zhang et al., 2019c” by “W. Zhang et al., 2019b”
8	8.4.1.4	74 :4	Replace “Vicente-Serrano et al., 2020b).” by “Vicente-Serrano et al., 2020b, Greve and Seneviratne, 2015).” Ref: Greve and Seneviratne (2015) GRL 10.1002/2015GL064127
8	8.4.1.4	74 : 6 74 : 14	Replace “Vicente-Serrano et al., 2020b” by “Vicente-Serrano et al., 2020a”
8	8.4.1.4	74 : 11	Replace “Yang et al., 2018d” by “Y. Yang et al., 2018”
8	8.4.1.4	74 : 14	Replace “Zhou et al., 2019a” by “S. Zhou et al., 2019”
8	8.4.1.4	74 : 20-21	Replace “Liu et al., 2020b” by “X. Liu et al, 2020”
8	8.4.1.5	75 : 12	Replace “Zhang and Tang, 2014, 2018e; Zhang et al., 2018e” by “X. Zhang et al., 2014, 2018”
8	8.4.1.5	75 : 14	Replace “Yang et al., 2017” by “H. Yang et al., 2017”
8	8.4.1.5	75 : 36	Replace “Döll et al., 2018b” by “Döll et al., 2018”
8	8.4.1.5	75:51	Replace “Chapters 9 and 11” by “Chapters 9, 11, and 12”
8		76:2-3	Replace “although there are large geographical variations in magnitude.” with “although there are large regional variations, discussed further in Chapter 11, Section 11.5.5, and Chapter 12, Section 12.4.”
8	8.4.1.5	76:3-4	Delete “There are increases in flooding in the West Amazon, the Andes, and northern Eurasia (Chapter 11, Section 11.5.5).”
8	8.4.1.5	76:4-6	Replace “There is medium confidence in future increases in urban and coastal floods (Chapter 11, Section 11.5.5), and high confidence that some coastal regions will experience large increases in surge flooding (Chapter 9, Section 9.6.4.2).” with “There is *medium confidence* in a substantial increase in the frequency of extreme sea level events for coastal regions (Chapter 9, Section 9.6.4.2) and the associated coastal flooding is regionally assessed in Chapter 12, Section 12.4.”

8	8.4.1.5	76:6-7	Delete “There is medium confidence in an increases in compound flood events (Chapter 11, Section 11.8.1).”
8	8.4.1.5	76:7-11	Delete “Although there is currently insufficient evidence for a confident projection, flooding due to rain-on-snow events can be expected to decrease where snow decreases (Chapter 11, Section 11.8.3), and the seasonality of snowmelt-related flooding can be expected to shift in regions with temperature-driven shifts in the snowmelt season (e.g., Vormoor et al. 2015).”
8	8.4.1.5	76:11-13	Replace “Glacier lake outburst floods (GLOFs) are expected to increase substantially, in delayed response to glacier recessions but with low confidence, due to the small number of studies and the complexity of the processes involved (Chapter 9, Section 9.5.3.3).” with “The risk of glacier lake outburst floods (GLOFs) is expected to increase with glacier melting in some high mountain regions (Chapter 12, Section 12.4).”
8	8.4.1.6	77 : 2 78 : 21	Replace “Vicente-Serrano et al., 2020b” by “Vicente-Serrano et al., 2020a”
8	8.4.1.6	78 : 43	Replace “Cook et al., 2015, 2016” by “E.R. Cook et al., 2015, 2016a”
8	8.4.1.7.1	79 : 29	Replace “Hock et al., 2019a” by “Hock et al., 2019b”
8	8.4.1.7.1	79 :42	Replace “(Clark et al., 2015)” by “(Clarke et al., 2015)” Ref: Clarke et al., 2015, Projected deglaciation of western Canada in the twenty-first century, Nature Geosciences, DOI: 10.1038/NGEO2407
8	8.4.1.7.3	80 : 42	Replace “Zhao et al., 2018b” by “D. Zhao et al., 2018”
8	8.4.1.7.3	80 : 49-50	Replace “Wang et al., 2018d” by “W. Wang et al., 2018”
8	8.4.1.7.4	81 : 18-19	Replace “Taylor et al., 2013a” by “R.G. Taylor et al,. 2013a”
8	8.4.2.3	83 : 51	Replace “Zhang et al., 2018b” by “L. Zhang et al., 2018”
8	8.4.2.3	84 : 2	Replace “Huang et al., 2020a” by “S. Huang et al., 2020”
8	8.4.2.4.1	87 : 30	Replace “Lee et al., 2018a” by “D. Lee et al., 2018”
8	8.4.2.4.1	87 : 37	Replace “Chen et al., 2020c” by “Z. Chen et al., 2020b” Replace “Wang et al., 2020b” by “Wang et al., 2021”
8	8.4.2.4.1	87 : 45	Replace “Huang et al., 2020b” by “X. Huang et al., 2020a”
8	8.4.2.4.1	88 : 16	Replace “Wang et al., 2016c” by “Z. Wang et al., 2016”
8	8.4.2.4.1	88 : 20	Replace “Wang et al., 2021” by “Wang et al., 2021a”
8	8.4.2.4.1	88 : 26	Replace “Lee et al., 2018a; Liu et al., 2018b” by “D. Lee et al., 2018; J. Liu et al., 2018”
8	8.4.2.4.1	88 : 27	Replace “Li et al., 2019a” by “D. Li et al., 2019”
8	8.4.2.4.1	88 : 28	Replace “Chen et al., 2020c” by “Z. Chen et al., 2020b”
8	8.4.2.4.5	90 : 16	Replace “Wang et al., 2020a” by “B. Wang et al., 2020”
8	8.4.2.4.5	90 : 17	Replace “Chen et al., 2020c” by “Z. Chen et al., 2020b”
8	8.4.2.4.6	90 : 50 91 : 3	Replace “Dey et al., 2019” by “Dey et al., 2019a”
8	8.4.2.4.6	91 : 7 91 : 10	Replace “Zhang et al. (2013)” by “H. Zhang et al. (2013)”
8	8.4.2.5	91 : 29	Replace “Liu et al., 2019b” by “M. Liu et al., 2019”
8	8.4.2.5	91 : 39	Replace “Chen et al., 2020c” by “J. Chen et al., 2020b”
8	8.4.2.8.1	93 : 45	Replace “Wang et al., 2017” by “J. Wang et al., 2017”
8	8.4.2.8.1	93 : 53	Replace “Bracegirdle et al., 2020” by “Bracegirdle et al., 2020b”
8	8.4.2.8.1	94 : 8	Replace “Bracegirdle et al., 2020” by “Bracegirdle et al., 2020a”
8	8.4.2.8.2	94 : 39 94 : 54	Replace “Espinoza et al., 2018” by “V. Espinoza et al., 2018”
8	8.4.2.9.1	95 : 33	Replace “Maher et al., 2018a; Sun et al., 2018a” by “N. Maher et al., 2018; C. Sun et al., 2018”
8	8.4.2.9.1	95 : 52	Replace “Wang et al., 2017a” by “G. Wang et al., 2017”
8	8.5.1	97 :38	Replace “scenario uncertainty (Hawkins and Sutton, 2011; Lehner et al., 2020)” by “scenario uncertainty, especially in the near-term (Hawkins and Sutton, 2011; Lehner et al., 2020, 1.5.4, 4.4.1.3)”.
8	8.5.1	97 : 43	Replace “Li et al., 2017b” by “G. Li et al., 2017”
8	8.5.1.1	98 : 7	Replace “Oudar et al., 2020” by “Oudar et al., 2020a”
8	8.5.1.1.1	98 : 19-20	Replace “Zhang et al., 2016a” by “G.J. Zhang et al., 2016”

8	8.5.1.1.1	98 : 39-40	Replace “Wu et al., 2018a” by “T. Wu et al., 2018”
8	8.5.1.1.1	98 : 43	Replace “Chen et al., 2020b” by “J. Chen et al., 2020a”
8	8.5.1.1.1	98 : 45	Replace “Zhao et al., 2018c” by “M. Zhao et al., 2018”
8	8.5.1.1.1	98 : 51	Replace “Maher et al., 2018b” by “P. Maher et al., 2018”
8	8.5.1.1.1	99 : 25-26	Replace “Li et al., 2017b” by “G. Li et al., 2017”
8	8.5.1.1.2	100 : 1	Replace “Wang et al., 2018b” by “Q. Wang et al., 2018”
8	8.5.1.1.3	100 : 35	Replace “Liu et al, 2020” by “Y. Liu et al., 2020”
8	8.5.1.1.3	100 : 40	Replace “Yang et al., 2018a” by “K. Yang et al., 2018”
8	8.5.1.1.3	100 : 46	Replace “Li et al., 2017a” by “C. Li et al., 2017”
8	8.5.1.1.3	100 : 50	Replace “Li et al., 2013a” by “F. Li et al., 2013”
8	8.5.1.1.3	100 : 55	Replace “Wang et al., 2016a” by “L. Wang et al., 2016”
8	8.5.1.1.3	101 : 2	Replace “Taylor et al., 2013b” by “R.G. Taylor et al., 2013a”
8	8.5.1.1.3	101 : 9	Replace “Döll et al., 2016, 2018b” by “Döll et al., 2016, 2018”
8	8.5.1.1.3	101 : 41	Replace “Liu et al., 2020c” by “Y. Liu et al., 2020”
8	8.5.1.1.3	101 : 42	Replace “Li et al,. 2018a” by “J. Li et al,. 2018”
8	8.5.1.2.1	102: 15	Replace “Huang et al., 2018a” by “D. Huang et al., 2018”
8	8.5.1.2.1	102 : 19	Replace “Zhang et al., 2016c” by “L. Zhang et al., 2016”
8	8.5.1.2.1	102 : 29	Replace “P Sabin et al., 2013” by “Sabin et al., 2013”
8	8.5.1.2.1	102 : 38-39	Replace “Priestley et al., 2020” by “Priestley et al., 2020b”
8	8.5.1.2.1	102 : 47	Replace “Huang et al., 2017, 2018” by “S. Huang et al., 2017, 2018”
8	8.5.1.2.2	103 : 16	Replace “Tapiador et al., 2019a” by “Tapiador et al., 2019b”
8	8.5.1.2.2	103 : 27	Replace “Liu et al., 2017” by “C. Liu et al., 2017”
8	8.5.1.2.2	103 : 36	Replace “Chen et al., 2020a” by “J. Chen et al., 2020”
8	8.5.2.1	104 : 23	Replace “Knutson and Zeng et al.” by “Knutson and Zeng”
8	8.5.2.1	105 : 37-38	Replace “Huang et al., 2020b” by “X. Huang et al., 2020a”
8	8.5.2.2	106 : 46	Replace “Huang et al., 2020c” by “X. Huang et al., 2020b”
8	8.5.2.3	107 : 22	Replace “Singh et al., 2020c” by “M. Singh et al., 2020a”
8	8.5.2.3	107 : 25-26	Replace “Haywood et al., 2013b” by “J.M. Haywood et al., 2013”
8	8.5.3.1	108 : 26	Remove “McInerney and Moyer, 2012”
8	8.5.3.1	108 : 34	Replace “Liu et al., 2019c” by “Y. Liu et al., 2019b”
8	8.5.3.1	108 : 54	Replace “Chung et al., 2014a” by “C.T.Y. Chung et al,. 2014”
8	8.5.3.2	110 : 2	Replace “Zhang et al., 2018e” by “X. Zhang et al., 2018”
8	8.5.3.2	110 : 29	Replace “Taylor al., 2013b” by “R.G. Taylor et al., 2013a”
8	8.5.3.2	110 : 34	Replace “Hein et al., 2018” by “Hein et al., 2019”
8	8.5.3.2	110 : 37	Replace “Zhang et al,. 2018” by “X. Zhang et al,. 2018”
8	8.6.1	111 : 43	Replace “Wang et al., 2017c” by “P.X. Wang et al., 2017”
8	8.6.1	112 : 6	Replace “Chen et al., 2018c” by “Y. Chen et al., 2018”
8	8.6.1	112 : 7	Replace “Liu et al., 2017b” by “W. Liu et al,. 2017”
8	8.6.1	112 : 16	Replace “Liu et al,. 2017” by “W. Liu et al,. 2017”
8	8.6.3	115 : 21 115 : 42	Replace “Jones et al., 2013a” by “A. Jones et al., 2013”
8	8.6.3	115 : 41	Replace “Jones et al., 2013” by “A. Jones et al., 2013”
8	References	134 :43-45	Delete the reference: Clark, P.U., J.A. Church, J.M. Gregory, and A.J. Payne, 2015: Recent Progress in Understanding and Projecting 43 Regional and Global Mean Sea Level Change. *Current Climate Change Reports*, **1(4)**, 224–246, 44 doi:10.1007/s40641-015-0024-4.
8	References	134 :43-45	Include Clarke et al. (2015) Ref: Clarke et al., 2015, Projected deglaciation of western Canada in the twenty-first century, Nature Geosciences, DOI: 10.1038/NGEO2407
8	Figure 8.1	197: 1	Panel a: correct Ocean value to 1 335 000±1%
8	Figure 8.1	197: 1	Panel a: correct Soil Moisture value to 54±90%
8	Figure 8.1	197: 1	Panel a: top right volume schematic – change 96.58% to 97%; change 1.61% to < 2%; change 1.8% to < 2%
8	Figure 8.1	197: 1	Panel b: add missing % sign to Groundwater recharge value “13±60%”
8	Figure 8.1	197: 1	Panel b: remove “Saline groundwater discharge 4±70%” and extend arrow below fresh ground water discharge so it touches the ocean

8	Figure 8.1	197: 1	Panel a: top right - change "Surface fresh water" to "Fresh water" (both occurrences)
8	Figure 8.1	197: 1	Panel a - change "Oceans, seas and bays" to "Oceans, inland seas and saline lakes"; change "Saline groundwater and saline lakes" to "Saline groundwater"
8	Figure 8.1 caption	197: 7	delete “minor” and “Kwon et al. 2014”
8	Figure 8.1 caption	197: 13-14	Replace “Liquid freshwater on land forms surface water (lakes, rivers), soil moisture and groundwater stores, together accounting for 1.8% of global water “ With “Liquid freshwater on land forms surface water (lakes, rivers) and combined with soil moisture and mostly unusable groundwater stores, account for less than 2% of global water”
8	Figure 8.1 caption	197: 15	Replace “represents 2.2%” with “represents nearly 2%“
8	Figure 8.2	198	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
8	Figure 8.23 (caption)	222 :11-12	Replace “Fig.4a in (Lehner et al., 2020)” by “Fig.4a in Lehner et al. (2020), https://creativecommons.org/licenses/by/4.0/”
8	Figure 8.24 (caption)	223 :11	Replace “(Adapted from Deser et al., 2017)” by “(Adapted from Deser et al., 2017, https://creativecommons.org/licenses/by/4.0/)”
8	FAQ 8.1	227 :1	Replace “land use changes effect ” by “land use changes affect ”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 9

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
9	Author list	1: 25	Replace “Hong Kong” with “Hong Kong, China”
9	ES	5:30	Replace “1971 to 2018 by [0.28–0.55] yottajoules” by “1971 to 2018 by 0.396 [0.329–0.463, *likely* range] yottajoules”
9	ES	5:31	The long time scale also implies that the amount of deep-ocean warming will only become scenario-dependent after about 2040 (*medium confidence*), and that the warming is irreversible over centuries to millennia (*very high confidence*).
9	ES	7:9	Replace: Over the 21st century, the majority of coastal locations have a median projected regional sea-level rise within +/- 20% of the median projected GMSL change (*medium confidence*). with: Approximately 60% (SSP1-1.9) to 70% (SSP5-8.5) of the global coastline has a projected median 21st century regional relative sea-level rise within ±20% of the global mean increase (*medium confidence*).
9	ES	8:37	Change ‘While ocean’ to Ocean’
9	ES	8:38-40	Change ‘to 2018, ice sheet mass loss has increased and accounts for about 35% of the sea level increase during the period 2006-2018 (high confidence). {2.3.3, 9.6.1, 9.6.2, Cross-Chapter Box 9.1, Box 7.2}’ To ‘to 2018. The contribution of Greenland and Antarctica to GMSL rise was four times larger during 2010-2019 than during 1992-1999 (high confidence). {2.3.3, 9.6.1, 9.6.2, Cross-Chapter Box 9.1, Table 9.A.1, Box 7.2}’
9	ES	9:10	Page 9-9: Over the 21st century, the majority of coastal locations will experience a median projected regional sea level rise within +/- 20% of the median projected GMSL change (medium confidence). {9.6.3, 9.6.4}
9	ES	9:16	**Considering only processes for which projections can be made with at least *medium confidence*, relative to the period 1995–2014 GMSL will rise by 2050 between 0.18 [0.15–0.23, *likely* range] m (SSP1-1.9) and 0.23 [0.20–0.29, *likely* range] m (SSP5-8.5), and by 2100 between 0.38 [0.28–0.55, *likely* range] m (SSP1-1.9) and 0.77 [0.63–1.01, *likely* range] m (SSP5-8.5)**.
9	Figure 9.1 caption	11: 4 202: 6	Replace "Visual guide to chapter 9 with relevant chapter numbers indicated in red." with "Visual guide to chapter 9. Sections dealing with the cryosphere are highlighted with a snowflake. "
	8.3.1.7.1	12	Change ‘22.1%’ to ‘22.2%’
9	9.2.1.1	14 : 41	Replace “Chen et al., 2019b” by “J.-L. Chen et al., 2019”
9	9.2.1.1	14 : 46	Replace “Marshall et al., 2015b” by “J. Marshall et al., 2015”
9	9.2.1.1	15 : 32	Replace “Wang et al., 2014a” by “C. Wang et al., 2014”
9	9.2.1.1	15 : 32	Replace “Li et al,. 2019b” by “Q. Li et al,. 2019”
9	9.2.1.1	15 : 38	Replace “Li et al,. 2016a” by “Q. Li et al,. 2016”
9	9.2.1.2	16 : 50	Replace “Zanna et al., 2019a” by “Zanna et al., 2019”
9	9.2.1.2	17 : 48	Replace “Yang et al,. 2016a” by “Yang et al,. 2016”
9	9.2.1.2	18 : 8	Replace “Li et al,. 2020” by “J.-L.F. et al., 2020b”
9	9.2.1.2	18 : 11	Replace “Jackson et al,. 2020a” by “L.C. Jackson et al, 2020”

9	9.2.1.3	18 : 33 18 : 35-36 18 : 40	Replace “Li et al,. 2020a” by “G. Li et al., 2020”
9	9.2.1.3	18 : 44	Replace “Cummins and Ross, 2020a” by “Cummins and Ross, 2020”
9	9.2.1.3	19 : 32 19 : 35	Replace “Lique et al., 2018a” or “Lique et al., 2018b” by “Lique et al., 2018”
9	9.2.1.3	19 : 38-39 19 : 43	Replace “Li et al., 2016a” or “Li et al., 2016b” by “Q. Li et al., 2016”
9	9.2.1.3	19 : 45-46	Replace “Li et al., 2016a” by “Q. Li et al., 2016” Replace “Li et al., 2019b” by “Q. Li et al., 2019”
9	Box 9.2	20 : 10	Replace “Hayashida et al., 2020a” by “Hayashida et al., 2020”
9	Box 9.2	20 : 17	Replace “Li et al., 2019c” by “Y. Li et al., 2019”
9	Box 9.2	21 : 17 21 : 24	Replace “Hayashida et al., 2020b” by “Hayashida et al., 2020”
9	9.2.2.1	22 : 13	Replace “Wang et al., 201b” by “L. Wang et al., 2021”
9	9.2.2.1	22 : 31	Replace “Zanna et al., 2019a” by “Zanna et al., 2019”
9	9.2.2.1	22 : 55	Replace “Purkey et al., 2019a” by “Purkey et al., 2019”
9	9.2.2.1	23 : 29 23 : 30-31	Replace “Couldrey et al., 2020” by “Couldrey et al., 2021”
9	9.2.2.1	23 : 43	Replace “Williams et al., 2015b” by “R.G. Williams et al., 2015” Replace “Zanna et al., 2019a” by “Zanna et al., 2019”
9	9.2.2.1 (Figure 9.8 caption)	23:52	Replace “and simulated by CMIP5 models over the historical period (1951-2011) and under the RCP8.5 future (2011-2060) versus” by “and simulated by CMIP5 models over the historical period (1972-2011) and under the RCP8.5 future (2021-2060) versus”
9	9.2.2.1	24 : 12 24 : 17	Replace “Wang et al., 2019b” by “Q. Wang et al., 2019”
9	9.2.2.1	24 : 22	Replace “Oldenburg et al., 2018a” by “Oldenburg et al., 2018”
9	9.2.2.1	24 : 36	Replace “Miller et al., 2012a” by “G.H. Miller et al., 2012”
9	9.2.2.1	24 : 52	Replace “Jackson et al., 2020a” by “L.C. Jackson et al., 2020”
9	9.2.2.1	25:22	Replace “will increase 2 to 5 times” by “will increase 2 to 4 times”
9	9.2.2.1	25 : 33 25 : 43 25 : 49	Replace “Couldrey et al., 2020” by “Couldrey et al., 2021”
9	9.2.2.1	25 : 40	Replace “Roberts et al., 2020a” by “Roberts et al., 2020”
9	9.2.2.1	26 : 7	Replace “Ehlert and Zickfeld, 2018a” by “Ehlert and Zickfeld, 2018”
9	9.2.2.1	26:26	In summary, there is *very high confidence* that there is a long-term commitment to increased OHC in response to anthropogenic CO2 emissions, which is essentially irreversible on human timescales.
9	9.2.2.2	27 : 13	Replace “Cummins and Ross, 2020b” by “Cummins and Ross, 2020”
9	9.2.2.2	27 : 29 27 : 35	Replace “Dukhovskoy et al., 2019a” by “Dukhovskoy et al., 2019”
9	9.2.2.2	27 : 39	Replace “Li et al., 2019a” by “G. Li et al,. 2019”
9	9.2.2.2	27 : 48-49 28 : 8-9	Replace “Silvy et al., 2020a” by “Silvy et al., 2020”
9	9.2.2.3	28 : 22 28 : 33-34 28 : 36 28 : 55	Replace “Silvy et al., 2020a” or “Silvy et al., 2020b” by “Silvy et al., 2020”
9	9.2.2.3	29 : 26	Replace “Wang et al., 2015b” by “H. Wang et al., 2015”
9	9.2.2.3	29 : 36-37	Replace “Purkey et al,. 2019b” by “Purkey et al,. 2019”
9	9.2.2.3	29 : 39	Replace “Zhang et al., 2019b” by “L. Zhang et al., 2019”
9	9.2.2.3	30 : 13	Replace “Golledge et al., 2019a” by “Golledge et al., 2019”
9	9.2.3.1	30 : 43	Replace “Wang, Legg and Hallberg, 2015” by “H. Wang et al., 2015”
9	9.2.3.1	30 : 49 30 : 50	Replace “Roberts et al., 2020a” or “Roberts et al., 2020b” by “Roberts et al., 2020”

		32 : 46	
9	9.2.3.1	30 : 52	Replace “Jackson et al., 2020a” by “L.C. Jackson et al., 2020”
9	9.2.3.1	31 : 49	Replace “Zhang et al., 2019d” by “R. Zhang et al., 2019”
9	Figure 9.10 caption	32, Row 47	Replace “A compilation (Jackson and Wood, 2018) of percentage changes” with “A compilation of percentage changes”
9	9.2.3.1	32 : 2 32 : 44-45	Replace “Menary et al., 2020c” by “Menary et al., 2020b”
9	9.2.3.1	32 : 35	Replace “Menary et al., 2020b” by “Menary et al., 2020a”
9	9.2.3.2	35 : 25 35 : 35	Replace “Golledge et al., 2019a” by “Golledge et al., 2019”
9	9.2.3.4	37 : 8-9	Replace “Yang et al., 2016b” by “Yang et al., 2016”
9	9.2.3.4	37 : 10	Replace “Wang et al., 2016c” by “Y.-L. Wang et al., 2016”
9	9.2.3.4	37 : 20	Replace “Oldenburg et al., 2018b” by “Oldenburg et al., 2018”
9	9.2.3.4	37: 43-44	Replace “Zhang et al., 2016c” by “Z. Zhang et al., 2016”
9	9.2.3.4	38 : 55	Replace “Yang et al., 2016a” by “Yang et al., 2016”
9	9.2.3.5	39 : 34	Replace “Wang et al., 2015a” by “D. Wang et al., 2015”
9	9.2.3.5	39 : 52 40 : 3	Replace “Oerder et al., 2015a” or “Oerder et al., 2015b” by “Oerder et al., 2015”
9	9.2.3.6	40 : 38	Replace “Oerder et al., 2015a” or “Oerder et al., 2015b” by “Oerder et al., 2015” Replace “Zhang et al., 2016a” by “Y. Zhang et al., 2016”
9	9.2.3.6	40 : 43-44	Replace “Wang et al., 2014b” by “Q. Wang et al., 2014” Replace “Zhang et al., 2016b” by “Y.J. Zhang et al., 2016”
9	9.2.4.1	41 : 10	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.2.4.1	41 : 13	Replace “Hobbs et al., 2016b” by “Hobbs et al., 2016a”
9	Table 9.1	42	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.2.4.2	43 : 1	Replace “Couldrey et al., 2020” by “Couldrey et al., 2021”
9	9.2.4.2	43 : 51-52	Replace “Church et al., 2013a” by “Church et al., 2013b” Replace “Slangen et al., 2014a” by “Slangen et al., 2014b” Replace “Chen et al., 2019a” by “C. Chen et al. 2019” Replace “Couldrey et al., 2020” by “Couldrey et al. 2021”
9	9.2.4.2	44 : 1 44 : 7 44 : 9-10 44 : 11 44 : 18 44 : 23	Replace “Couldrey et al., 2020” by “Couldrey et al. 2021”
9	9.2.4.2	44 : 11	Replace “Chen et al., 2019a” by “C. Chen et al. 2019”
9	9.2.4.2	44 : 21	Replace “Zanna et al., 2019a” by “Zanna et al., 2019”
9	9.2.4.2	44 : 26	Replace “Slangen et al., 2014a” by “Slangen et al., 2014b”
9	9.2.4.2	44 : 51	Replace “Comiso et al., 2017b” by “Comiso et al., 2017a”
9	9.3.2.1	49 : 28	Replace “Comiso et al., 2017a” by “Comiso et al., 2017b”
9	9.3.2.1	49 : 49	Replace “Zhang et al., 2019b” by “L. Zhang et al,. 2019”
9	9.3.2.1	50 : 16	Replace “Wang et al., 2019a” by “G. Wang et al., 2019”
9	9.3.2.1	51 : 29-30	Replace “Hobbs et al., 2016a; Jones et al., 2016b” by “Hobbs et al., 2016b; J.M. Jones et al., 2016”
9	9.3.2.1	51 : 36	Replace “Hobbs et al., 2016a” by “Hobbs et al., 2016b”
9	9.3.2.1	51 : 37 51 : 39-40	Replace “Zhang et al., 2019c” by “L. Zhang et al,. 2019”
9	9.3.2.2	52 : 8 52 : 16	Replace “Williams et al., 2015a” by “G. Williams et al., 2015”
9	9.4.1.1	53 : 11	Replace “The IMBIE Team (2020)” with “Shepherd et al. (2021)” https://doi.org/10.5285/77B64C55-7166-4A06-9DEF-2E400398E452
9	Figure 9.17 Caption	54 232:10	Replace “likely range of the ISMIP6 emulation” by “17th to 83rd, 5th to 95th percentile ranges of the ISMIP6 emulation”
9	9.4.1.1	54 : 17	Replace “Miller et al., 2012b” by “K.G. Miller et al., 2012”

9	9.4.1.1	54 : 41	Replace “Zhang et al., 2019a” by “B. Zhang et al., 2019”
9	9.4.1.1	54 : 57	Replace “Wang et al., 2019” by “W. Wang et al., 2019c”
9	9.4.1.1	55 : 37	Replace “Jackson et al., 2020b” by “R.H. Jackson et al., 2020”
9	9.4.1.1	55 : 40	Replace “Slater et al., 2017b” by “D.A. Slater et al., 2017”
9	9.4.1.1	56 : 4	Replace “Slater et al., 2020b” by “T. Slater et al., 2020”
9	9.4.1.2	56 : 47	Replace “Alexander et al., 2019a” by “Alexander et al., 2019”
9	9.4.1.2	56 : 50	Replace “Alexander et al., 2019b” by “Alexander et al., 2019”
9	9.4.1.2	57 : 7	Replace “Morlighem et al., 2016a” by “Morlighem et al., 2016b”
9	9.4.1.2	57 : 29	Replace “Morlighem et al., 2016b” by “Morlighem et al., 2016a”
9	9.4.1.3	57 : 52	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.4.1.3	58 : 31	Replace “Edwards et al., 9998” by “Edwards et al., 2021”
9	9.4.1.3	59 : 10	Replace “Golledge et al., 2019a” by “Golledge et al., 2019”
9	9.4.1.4	61 : 7	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.4.1.4	61 : 19	Replace “Slater et al., 2020b” by “T. Slater et al., 2020”
9	Box 9.3	62 : 20	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	Box 9.3	62 : 34 63 : 5-6	Replace “Barthel et al., 2020a” or “Barthel et al., 2020b” by “Barthel et al,. 2020”
9	Box 9.3	62 : 54	Replace “Levermann et al., 2020a” by “Levermann et al., 2020”
9	Box 9.3	63 : 13	Replace “Slater et al., 2019, 2020a” by “D.A.Slater et al., 2019, 2020”
9	Box 9.3	63 : 34-35	Replace “Levermann et al., 2014, 2020a” by “Levermann et al., 2014, 2020”
9	Box 9.3	63 : 50	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.4.2.1	64 : 33 64 : 51	Replace “The IMBIE Team (2020)” with “Shepherd et al. (2021)” https://doi.org/10.5285/77B64C55-7166-4A06-9DEF-2E400398E452
9	9.4.2.1	64 : 55 65 : 2	Replace “Li et al., 2016b” by “X. Li et al., 2016”
9	9.4.2.1	65 : 33-34	Replace “Miller et al., 2012b” by “K.G. Miller et al., 2012”
9	9.4.2.1	65 : 39	Replace “WCRP Global Sea Level Budget Group, 2018a” by “WCRP Global Sea Level Budget Group, 2018”
9	9.4.2.2	67 : 35	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.4.2.2	68 : 7 69 : 8 70 : 35-36	Replace “Levermann et al., 2020a” by “Levermann et al., 2020”
9	9.4.2.2	68 : 16	Replace “Golledge et al., 2019a” by “Golledge et al., 2019”
9	9.4.2.2	69 : 21	Replace “Edwards et al., 2019a” by “Edwards et al., 2019”
9	9.4.2.3	71 : 15	Replace “DeConto et al., (9998)” by “DeConto et al., (2021)”
9	9.4.2.3	71 : 20	Replace “Golledge et al., 2019a” by “Golledge et al., 2019”
9	9.4.2.4	72 : 30	Replace “DeConto et al., (9998)” by “DeConto et al., (2021)”
9	9.4.2.5	73 : 13 73 : 16-17	Replace “Golledge et al., 2019b” by “Golledge et al., 2019”
9	9.4.2.5	73 : 30 74 : 34	Replace “Levermann et al., 2020b” by “Levermann et al., 2020”
9	9.4.2.5	73 : 37 73 : 46	Replace “Barthel et al., 2020b” by “Barthel et al., 2020”
9	Table 9.3	75 : 1	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	Table 9.3	75 : 1	Replace “Levermann et al., 2020b” by “Levermann et al., 2020”
9	9.4.2.6	77 : 11	Replace “DeConto et al., (9998)” by “DeConto et al., (2021)”
9	9.4.2.6	77 : 15 77 : 43	Replace “Edwards et al., 2019b” by “Edwards et al., 2019”
9	9.4.2.6	77 : 21	Replace “Levermann et al., 2020a” by “Levermann et al., 2020”
9	9.5.1.2	82 : 54-55 83 : 13	Replace “Maussion et al., 2019a” by “Maussion et al., 2019”
9	9.5.1.3	83 : 55	Replace “Maussion et al., 2019a” by “Maussion et al., 2019”
9	9.5.1.3	84 : 10	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	Table 9.4	84	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	Table 9.4	85 : 1	Replace “Maussion et al., 2019a” by “Maussion et al., 2019”

9	9.5.2.1	87 : 6-7	Replace “Jones et al., 2016a” by “B.M. Jones et al., 2016” Replace “Gibson et al., 2018a” by “Gibson et al., 2018”
9	9.5.2.2	87 : 39	Replace “Gibson et al., 2018b” by “Gibson et al., 2018”
9	9.5.2.2	87 : 52	Replace “Chadburn et al., 2015a” by “S. Chadburn et al., 2015”
9	9.5.2.2	88 : 3	Replace “Wang et al., 2016b” by “W. Wang et al., 2016”
9	9.5.2.2	88 : 4-5	Replace “Chadburn et al., 2015b” by “S. Chadburn et al., 2015”
9	9.5.3.2	93 : 16	Replace “Slater et al., 2017a” by “A.G. Slater et al., 2017”
9	9.5.3.2	93 : 28	Replace “Wang et al., 2016a” by “L. Wang et al., 2016”
9	9.6.1.1	95 : 48	Replace “Zanna et al., 2019b” by “Zanna et al., 2019”
9	9.6.1.2	96 : 23	Replace “WCRP Global Sea Level Budget Group, 2018b” by “WCRP Global Sea Level Budget Group, 2018”
9	9.6.1.2	96:34	Change ‘about 35%’ to ‘27%’
9	Table 9.5	Row2, col4	Change ’50.3%’ to 50.4%’
9	Table 9.5	Row2, col5	Change ’45.7%’ to 45.9%’
9	Table 9.5	Row2, col6	Change ’34.4%’ to ’38.6%’
9	Table 9.5	Row4, col4	Change ’22.1%’ to ’22.2%’
9	Table 9.5	Row4, col5	Change ’19.3%’ to ‘19.4%’
9	Table 9.5	Row4, col6	Change ‘15.4%’ to ’17.3%’
9	Table 9.5	Row6, col5	Change ’10.9 [9.0 to 12.8]’ To ’10.8 [8.9 to 12.7]’
9	Table 9.5	Row6, col6	Change ‘10.9 [9.5 to 12.2] (22.3%)’ To ‘7.5 [6.2 to 8.9] (17.3%)’
9	Table 9.5	Row7, col5	Change ‘0.44’ to ‘0.43’
9	Table 9.5	Row7, col6	Change ‘0.91 [0.79 to 1.02]’ To ‘0.63 [0.51 to 0.74]’
9	Table 9.5	Row8, col4	Change ‘6.8 [-3.9 to 17.5 (7.2%)]’ To ‘6.7 [-4.0 to 17.3] (7.1%)’
9	Table 9.5	Row8, col5	Change ‘6.4 [4.3 to 8.5] (9.0%)’ To ‘6.1 [4.0 to 8.3] (8.6%)’
9	Table 9.5	Row8, col6	Change ‘6.4 [4.8 to 8.0] (13.1%)’ To ‘4.4 [2.9 to 6.0] (10.2%)’
9	Table 9.5	Row8, col7	Change ‘6.9 [-3.8 to 17.5] (4.2%)’ To ‘6.7 [-4.0 to 17.4] (4.1%)’
9	Table 9.5	Row9, col4	Change ‘-0.08’ to ‘-0.09’
9	Table 9.5	Row9, col5	Change ‘0.26 [0.17 to 0.34]’ To ‘0.25 [0.16 to 0.33]’
9	Table 9.5	Row9, col6	Change ‘0.53 [0.40 to 0.66]’ To ‘0.37 [0.24 to 0.50]’
9	Table 9.5	Row10, col5	Change 10.8% to 10.9%
9	Table 9.5	Row10, col6	Change 14.8% to 16.6%
9	Table 9.5	Row13, col4	Change ‘94.4 [71.7 to 117.1]’ to ’94.2 [71.5 to 117.0]’
9	Table 9.5	Row13, col5	Change ’71.6 [60.5 to 82.6]’ to ’71.2 [60.2 to 82.3]’
9	Table 9.5	Row13, col6	Change ’48.7 [39.9 to 57.5]’ to ’43.4 [34.5 to 52.2]’
9	Table 9.5	Row13, col7	Change ‘164.8 [117 to 212.5]’ to ‘164.6 [116.9 to 212.4]’
9	Table 9.5	Row14, col4	Change ‘2.01’ to ‘2.00’
9	Table 9.5	Row14, col5	Change ‘2.86 [2.42 to 3.30]’ to ‘2.85 [2.41 to 3.29]’
9	Table 9.5	Row14, col6	Change ‘4.06 [3.32 to 4.79]’ to ‘3.61 [2.88 to 4.35]’
9	9.6.1.4	99 : 24-25	Replace “Slangen et al., 2014a” by “Slangen et al., 2014b”
9	Box 9.1	101 : 17	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.2	103 : 19	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.3	106 : 12	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.3.1	106 : 38	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.3.1	106 : 49	Replace “Wang et al., 2021a” by “J. Wang et al., 2021”
9	9.6.3.1	106 : 51-52 107 : 1	Replace “Slangen et al., 2014a” by “Slangen et al., 2014b”
9	9.6.3.2	108 : 10	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	Table 9.7	108	Replace “Levermann et al., 2020a” by “Levermann et al., 2020”

9	Table 9.7	3rd data row (Antarctica)	(2) LARMIP-2 simulations augmented by AR5 surface mass balance model applied to CMIP6 models
9	Table 9.7	109	Replace “Slangen et al., 2014a” by “Slangen et al., 2014b”
9	Table 9.8	112 :28	See highlighted changes to be made below
9	9.6.3.2	114 : 5 114 : 14	Replace “Slangen et al., 2014a” by “Slangen et al., 2014b”
9	9.6.3.2	114 : 13	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.3.2	114 : 27	Replace “Li et al., 2020c” by “T. Li et al., 2020”
9	9.6.3.3	115:20	Beyond 2050, the scenarios increasingly diverge. Between the baseline period (1995 to 2014) and 2100, processes in whose projection there is *medium confidence* drive *likely* GMSL rise of 0.44 m (0.32-0.62) m and 0.77 (0.63-1.01) m under SSP1-2.6 and SSP5-8.5, respectively (Tables 9.8, 9.9).
9	Table 9.9	115 :46	See highlighted changes to be made below
9	9.6.3.3	116 : 15	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.3.3	117:17	Replace: Over the 21st century, the majority of coastal locations have a median projected regional sea-level rise within +/- 20% of the median projected GMSL change (*medium confidence*). with: Approximately 60% (SSP1-1.9) to 70% (SSP5-8.5) of the global coastline has a projected median 21st century regional relative sea-level rise within ±20% of the global mean increase (*medium confidence*).
9	9.6.3.4	118:39	GMSL in a 4°C scenario is *likely* to rise by 0.58-0.92 m, similar to the projection for SSP3-7.0.
9	Table 9.10	118 :48	See highlighted changes to be made below
9	Table 9.11	120 :22	See highlighted changes to be made below
9	9.6.3.3	122 : 13	Replace “Ehlert and Zickfeld, 2018b” by “Ehlert and Zickfeld, 2018”
9	Box 9.4	122:46	the upper limit of 1.01 m of *likely* sea-level range by 2100 for the SSP 5-8.5 scenario will be exceeded in any future warming scenario on time scales of centuries to millennia (*high confidence*), but it is uncertain how quickly the long-term committed sea level will be reached (Section 9.6.3.5).
9	9.6.3.5	122:11	The slow response of the deep ocean to forcing leads to global-mean thermosteric sea-level fall occurring long afterward even if CO_2 levels are restored after a transient increase: global mean thermosteric sea level rise takes over a millennium to reverse ~~course~~ (Ehlert and Zickfeld, 2018b)
9	Box 9.4	123 : 20 123 : 54	Replace “Golledge et al., 2019b” by “Golledge et al., 2019”
9	Box 9.4	123 : 26	Replace “Slater et al., 2020b” by “T. Slater et al., 2020”
9	9.6.4.1	124 : 14	Replace “Church et al., 2013a” by “Church et al., 2013b”
9	9.6.4.1	126 : 10	Replace “Marshall et al., 2015a” by “A.G. Marshall et al., 2015”
9	9.6.4.1	128 : 42	Replace “Collins et al., 2019b” by “Collins et al., 2019”
9	9.6.4.2	128 : 47	Replace “Couasnon et al., 2019” by “Couasnon et al., 2020”
9	FAQ9.1, Figure 1	131 :9 and 255 :6	Change ‘Table 9.SM.5’ to ‘Table 9.SM.9’.
9	FAQ 9.1	132 : 9	Remove “Table 9.SM.5”
9		128: 49	Replace ‘Taiwan’ with ‘Taiwan, China’
9	References	168:33-34	Wrong reference. Replace current ‘Le Cozannet et al., 2019 (Scientific Reports)’ by ‘Le Cozannet et al., 2019 (Water) Low end probabilistic sea level projections. https://www.mdpi.com/2073-4441/11/7/1507’
9	Figure 9.1	202	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
9	CCB 9.1, Figure 1	244:1	Update of time series
9			Updates to figure data needed for Figures SPM.8, Box TS.4 Figure 1, 4.2, 9.25, 9.26, 9.27, 9.28, 9.29. None of these changes are visible in the figures.

Table 9.1: Observed contributions to global mean sea level (GMSL) change for five different periods. Values are expressed as the total change over each period (mm) along with the equivalent rate (mm yr^{-1}). The *very likely* ranges appear in parentheses based on the various section assessments as indicated. Uncertainties for the sum of contributions are added in quadrature, assuming independence.

Observed contribution to GMSL change		**1901-1990** {9.6.1.1}	**1971-2018** {CCBox 9.1}	**1993-2018** {9.6.1.2}	**2006-2018** {9.6.1.2}	**1901-2018** {9.6.1.2}
Thermal expansion (Section 2.3.3.1, Table 2.7)	Δ (mm)	31.6 [14.7 to 48.5] (31.9%)	47.5 [34.3 to 60.7] (50.4%)	32.7 [23.8 to 41.6] (45.9%)	16.7 [8.9 to 24.6] (38.6%)	63.2 [47.0 to 79.4] (38.4%)
	mm yr^{-1}	0.36 [0.17 to 0.54]	1.01 [0.73 to 1.29]	1.31 [0.95 to 1.66]	1.39 [0.74 to 2.05]	0.54 [0.40 to 0.68]
Glaciers (Excl. peripheral glaciers) (Section 9.5.1.1, Table 9.3)	Δ (mm)	51.8 [30.4 to 73.2] (52.3%)	20.9 [10.0 to 31.7] (22.2%)	13.8 [10.0 to 17.6] (19.4%)	7.5 [6.8 to 8.2] (17.3%)	67.2 [41.8 to 92.6] (40.8%)
	mm yr^{-1}	0.58 [0.34 to 0.82]	0.44 [0.21 to 0.67]	0.55 [0.40 to 0.70]	0.62 [0.57 to 0.68]	0.57 [0.36 to 0.79]
Greenland ice sheet (Incl. peripheral glaciers) (Section 9.4.1.1)	Δ (mm)	29.0 [16.3 to 41.7] (29.3%)	11.9 [7.7 to 16.1] (12.6%)	10.8 [8.9 to 12.7] (15.2%)	7.5 [6.2 to 8.9] (17.3%)	40.4 [27.2 to 53.5] (24.5%)
	mm yr^{-1}	0.33 [0.18 to 0.47]	0.25 [0.16 to 0.34]	0.43 [0.36 to 0.51]	0.63 [0.51 to 0.74]	0.35 [0.23 to 0.46]
Antarctic ice sheet (Incl. peripheral glaciers) (Section 9.4.2.1)	Δ (mm)	0.4 [-8.8 to 9.6] (0.4%)	6.7 [-4.0 to 17.3] (7.1%)	6.1 [4.0 to 8.3] (8.6%)	4.4 [2.9 to 6.0] (10.2%)	6.7 [-4.0 to 17.4] (4.1%)

	mm yr^{-1}	0.00 [-0.10 to 0.11]	0.14 [-0.09 to 0.37]	0.25 [0.16 to 0.33]	0.37 [0.24 to 0.50]	0.06 [-0.03 to 0.15]
Land water storage* (Section 9.6.1.1)	Δ (mm)	-13.8 [-31.4 to 3.8] (-13.9%)	7.3 [-2.4 to 16.9] (7.7%)	7.8 [3.3 to 12.2] (10.9%)	7.2 [3.8 to 10.6] (16.6%)	-12.9 [-45.8 to 20.0] (-7.8%)
	mm yr^{-1}	-0.15 [-0.35 to 0.04]	0.15 [-0.05 to 0.36]	0.31 [0.13 to 0.49]	0.60 [0.32 to 0.88]	-0.11 [-0.39 to 0.17]
Sum of observed contributions	Δ (mm)	**99.0** [63.0 to 135.1]	**94.2** [71.5 to 117.0]	**71.2** [60.2 to 82.3]	**43.4** [34.5 to 52.2]	**164.6** [116.9 to 212.4]
	mm yr^{-1}	**1.11** [0.71 to 1.52]	**2.00** [1.52 to 2.49]	**2.85** [2.41 to 3.29]	**3.61** [2.88 to 4.35]	**1.41** [1.00 to 1.82]
Observed GMSL change (Section 2.3.3.3)	Δ (mm)	**120.1^{T}** [69.3 to 170.8]	**109.6$^{T/A}$** [72.8 to 146.4]	**81.2^{A}** [72.1 to 90.2]	**44.3^{A}** [38.6 to 50.0]	**201.9$^{T/A}$** [150.3 to 253.5]
	mm yr^{-1}	**1.35^{T}** [0.78 to 1.92]	**2.33$^{T/A}$** [1.55 to 3.12]	**3.25^{A}** [2.88 to 3.61]	**3.69^{A}** [3.21 to 4.17]	**1.73$^{T/A}$** [1.28 to 2.17]

T, A and T/A indicate assessments based on tide gauge reconstructions, satellite altimetry, or a combination of both. The assessment uses tide gauge reconstructions before 1993 and satellite altimetry after 1993.

*For the periods 1971-2018, 1993-2018, 2006-2018 and 1901-2018 the Caceres et al (2020) linear trends are based on the period up to 2016.

[END TABLE 9.5 HERE]

Table 9.8

	RCP 2.6	SSP1-2.6

m rel. to 1995-2014	**AR5**	**SROCC**	***Medium confidence* processes**	**MICI**	**SEJ**
Thermal expansion (9.2.4.1)	0.14 (0.10-0.19)		0.14 (0.11--0.18)		
Greenland (9.4.1.3)	0.07 (0.03-0.11)		0.06 (0.01--0.10)		0.13 (0.07--0.30)
Antarctica (9.4.2.4)	0.06 (-0.04-0.16)	0.04 (0.01-0.11)	0.11 (0.03--0.27)	0.08 (0.06--0.12)	0.09 (-0.01--0.25)
Glaciers (9.5.1.3)	0.10 (0.04-0.16)		0.09 (0.07--0.11)		
Land water storage (9.6.3.2)	0.05 (-0.01-0.11)		0.03 (0.01--0.04)		
Total (2100)	0.41 (0.25-0.58)	0.40 (0.26-0.56)	0.44 (0.32--0.62)	0.41 (0.35--0.48)	0.53 (0.38--0.79)
Total (2150)	0.29-0.63	0.56 (0.40-0.73)	0.68 (0.46--0.99)	0.74 (0.62--0.91)	0.84 (0.56--1.34)
GMSL rate, 2080-2100 (mm/yr)	4.4 (2.0-6.8)	4 (2-6)	5.2 (3.2-8.0)	5.1 (4.3-6.2)	5.9 (2.8-11.0)

	RCP 8.5		**SSP5-8.5**		
m rel. to 1995-2014	**AR5**	**SROCC**	***Medium confidence* processes**	**MICI**	**SEJ**
Thermal expansion (9.2.4.1)	0.31 (0.24-0.38)		0.30 (0.24--0.36)		
Greenland (9.4.1.3)	0.14 (0.08-0.27)		0.13 (0.09--0.18)		0.23 (0.10--0.59)
Antarctica (9.4.2.4)	0.04 (-0.08-0.14)	0.12 (0.03-0.28)	0.12 (0.03--0.34)	0.34 (0.19--0.53)	0.21 (0.02--0.56)
Glaciers (9.5.1.3)	0.17 (0.09-0.25)		0.18 (0.15--0.20)		
Land water storage (9.6.3.2)	0.05 (-0.01-0.11)		0.03 (0.01--0.04)		
Total (2100)	0.71 (0.49-0.95)	0.81 (0.58-1.07)	0.77 (0.63--1.01)	0.99 (0.82--1.19)	1.00 (0.70--1.60)
Total (2150)	0.34-1.35	1.27 (0.80-1.79)	1.32 (0.98--1.88)	3.48 (2.57--4.82)	1.79 (1.22--2.94)
GMSL rate, 2080-2100 (mm/yr)	11.2 (7.5-15.7)	15 (10-20)	12.1 (8.6-17.6)	23.1 (17.5-30.1)	16.0 (9.8-28.9)

Table 9.9

	SSP1-1.9	SSP1-2.6	SSP2-4.5	SSP3-7.0	SSP5-8.5	SSP5-8.5 *Low Confidence*
Thermal expansion	0.12 (0.09--0.15)	0.14 (0.11--0.18)	0.20 (0.16--0.24)	0.25 (0.21--0.30)	0.30 (0.24--0.36)	0.30 (0.24--0.36)
Greenland	0.05 (0.00--0.09)	0.06 (0.01--0.10)	0.08 (0.04--0.13)	0.11 (0.07--0.16)	0.13 (0.09--0.18)	0.18 (0.09--0.59)
Antarctica	0.10 (0.03--0.25)	0.11 (0.03--0.27)	0.11 (0.03--0.29)	0.11 (0.03--0.31)	0.12 (0.03--0.34)	0.19 (0.02--0.56)
Glaciers	0.08 (0.06--0.10)	0.09 (0.07--0.11)	0.12 (0.10--0.15)	0.16 (0.13--0.18)	0.18 (0.15--0.20)	0.17 (0.11--0.21)
Land Water Storage	0.03 (0.01--0.04)	0.03 (0.01--0.04)	0.03 (0.01--0.04)	0.03 (0.02--0.04)	0.03 (0.01--0.04)	0.03 (0.01--0.04)
Total (2030)	0.09 (0.08--0.12)	0.09 (0.08--0.12)	0.09 (0.08--0.12)	0.09 (0.08--0.12)	0.10 (0.09--0.12)	0.10 (0.09--0.15)
Total (2050)	0.18 (0.15--0.23)	0.19 (0.16--0.25)	0.20 (0.17--0.26)	0.22 (0.18--0.27)	0.23 (0.20--0.29)	0.24 (0.20--0.40)
Total (2090)	0.35 (0.26--0.49)	0.39 (0.30--0.54)	0.48 (0.38--0.65)	0.56 (0.46--0.74)	0.63 (0.52--0.83)	0.71 (0.52--1.30)
Total (2100)	0.38 (0.28--0.55)	0.44 (0.32--0.62)	0.56 (0.44--0.76)	0.68 (0.55--0.90)	0.77 (0.63--1.01)	0.88 (0.63--1.60)
Total (2150)	0.57 (0.37--0.86)	0.68 (0.46--0.99)	0.92 (0.66--1.33)	1.19 (0.89--1.65)	1.32 (0.98--1.88)	1.98 (0.98--4.82)
Rate (2040-2060)	4.1 (2.8-6.0)	4.8 (3.5-6.8)	5.8 (4.4-8.0)	6.4 (5.0-8.7)	7.2 (5.6-9.7)	7.9 (5.6-16.1)
Rate (2080-2100)	4.2 (2.4-6.6)	5.2 (3.2-8.0)	7.7 (5.2-11.6)	10.4 (7.4-14.8)	12.1 (8.6-17.6)	15.8 (8.6-30.1)

Table 9.10

	1.5°C	2.0°C	3.0°C	4.0°C	5.0°C	SSP5-8.5 *Low Confidence*
Closest SSPs	SSP1-2.6	SSP1-2.6/SSP2-4.5	SSP2-4.5/SSP3-7.0	SSP3-7.0	SSP5-8.5	
Total (2050)	0.18 (0.16--0.24)	0.20 (0.17--0.26)	0.21 (0.18--0.27)	0.22 (0.19--0.28)	0.25 (0.22--0.31)	0.24 (0.20--0.40)
Total (2100)	0.44 (0.34--0.59)	0.51 (0.40--0.69)	0.61 (0.50--0.81)	0.70 (0.58--0.92)	0.81 (0.69--1.05)	0.88 (0.63--1.60)
Rate (2040-2060)	4.1 (2.9-5.7)	5.0 (3.7-7.0)	6.0 (4.6-8.1)	6.4 (5.0-8.6)	7.2 (5.7-9.8)	7.9 (5.6-16.1)
Rate (2080-2100)	4.3 (2.6-6.4)	5.5 (3.4-8.4)	7.8 (5.3-11.6)	9.9 (7.1-14.3)	11.7 (8.5-17.0)	15.8 (8.6-30.1)

2000-yr commitment	2-3	2-6	4-10	12-16	19-22	
10000-yr commitment	6-7	8-13	10-24	19-33	28-37	

Table 9.11 :

	Low	**RCP 2.6**		**SSP1-2.6**			
m rel. to 1995-2014	**AR5**	**SROCC**	**Post-AR5 Published range**	**No ice-sheet acceleration after 2100**	**Assessed ice-sheet contribution**	**MICI**	**SEJ**
Thermal expansion	0.07-0.46			0.19-0.35			
Greenland	0.14			0.22-0.39	0.11-0.25		0.28--1.28
Antarctica	0.21-0.25			-0.05-1.14	-0.14--0.78	0.71--1.35	-0.11--1.56
Glaciers	–			0.12-0.29			
Land water storage	-0.03	0.07-0.37		0.05-0.10			
Total (2300)	0.38-0.82	0.57-1.04	0.3--2.9	0.8-2.0	0.6--1.5	1.4--2.1	1.0--3.1

	High	**RCP 8.5**					
m rel. to 1995-2014	**AR5**	**SROCC**	**Post-AR5 Published range without (with) MICI**	**No ice-sheet acceleration after 2100**	**Assessed ice-sheet contribution**	**MICI**	**SEJ**
Thermal expansion	0.28-1.80			0.92--1.51			
Greenland	0.30-1.18			0.53--0.88	0.32--1.75		0.40--2.23
Antarctica	0.02-0.19	0.60-2.89		-0.39--1.55	-0.28--3.13	6.87--13.54	0.03--3.05
Glaciers	0.29-0.39			0.32			
Land water storage	–			0.05-0.10			
Total (2300)	0.89-3.56	2.25-5.34	1.7--6.8 (up to 14.1)	1.7-4.0	2.2--5.9	9.5--16.2	2.4--6.3

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 10

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
10	ES	8:8	Replace “low probability high-impact” by “low likelihood high-impact”
10	10.1.1	10 : 36	Replace “Li et al., 2020b” by “Q. Li et al., 2020”
10	10.1.1	10:24	Add often in “small spatial scales have an influence”: “small spatial scales often have an influence”; add the reference (Sandu et al., 2016) after (Palmer, 2013) https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2015MS000564
10	10.1.2	11:20-36	Change the caption of Fig.10.3 to “Schematic diagram to display interacting spatial and temporal scales relevant to regional climate change information. Adapted from Orlanski (1975). The process included in the different models and model components considered in Chapter 10 are indicated as a function of these scales. The various types of models (including global and regional climate models) for constructing regional climate information are assessed in Section 10.3.1 and Box 10.3. ”
10	10.1.2.2	12 : 2	Replace “Brown et al., 2012a” by “A. Brown et al., 2012”
10	10.1.2.2	12 : 34-35	Replace “Dong-feng et al., 2017” by “Zhang et al., 2017” Replace “Cai et al., 2018a” by “L. Cai et al., 2018”
10	10.1.2.2	12 : 47	Replace “Sylla et al., 2018a” by “Sylla et al., 2018”
10	10.1.3.1	13:28-30	Remove “Over the ocean, the increased radiative forcing leads to an increase in latent heat flux and a decrease in sensible heat flux, while over land, water availability is limited and increased radiative energy is therefore converted mostly into sensible heat (Sutton et al., 2007).” as it is considered unnecessary and could be controversial.
10	10.1.3.1	14 : 5	Replace “Li et al., 2016c, 2016a” by “. Li et al., 2016; K. Li et al., 2016”
10	10.1.3.1	14 : 8-9	Replace “Li et al., 2016d” by “Z. Li et al., 2016” Replace “Liu et al., 2018c” by “L. Liu et al., 2018”
10	10.1.3.1	14 : 12	Replace “Zhang et al., 2018” by “H. Zhang et al., 2018”
10	10.1.3.1	14 : 20	Replace “Wang et al., 2015a” by “W. Wang et al., 2015”
10	10.1.3.1	14 : 44	Replace “Michel et al., 2018” by “Michel et al., 2020”
10	10.1.3.1	15 : 14	Replace “Li et al., 2018c” by “X. Li et al., 2018”
10	10.1.3.3	16:11-12	Remove “Smith and Matthews, 2015”. Remove also the reference in 182:60-61.
10	Box 10.1	18 : 29	Replace “Hewitson et al., 2014b” by “B. Hewitson et al., 2014””
10	Box 10.1	19:24-25	Remove “very likely”, it’s redundant when confidence is already provided.
10	Box 10.1	19:42	Change “The sensitivity of small islands and coastal areas to” to “The impact on small islands and coastal areas of”.
10	CCB 10.1	20 : 34	Replace “Wang et al., 2018a” by “K. Wang et al., 2018”
10	CCB 10.1	21 : 14	Replace “Sun et al. (2016a)” by “L. Sun et al. (2016)”
10	CCB10.1	21:2	add reference at the end of sentence: “Zhang and Luo, 2020”
10	CCB 10.1	21 : 33	Replace “Zhang et al., 2020b” by “R. Zhang et al., 2020”
10	Box10.1	21:9	Era se the two last sentences of the paragraph: “Urban areas stimulate storm occurrence and heavy precipitations in part due to the presence of aerosols. Urbanization also increases the risk of flooding during heavy rain events.”
10	CCB 10.1	22 : 2	Replace “Mori et al., 2019a” by “Mori et al., 2019”
10	CCB 10.1	22 : 12	Replace “Chen et al., 2016a” by “H.W. Chen et al., 2016”
10	CCB10.1	22:13	Add before “although” “or that a very large multi-model ensemble is needed (Liang et al., 2020),”
10	CCB 10.1	26 : 22	Replace “Shepherd, 2016” by “Shepherd, 2016b”

10	CCB 10.1	22 : 42	Replace “Li et al., 2018a” by “F. Li et al., 2018”
10	CCB 10.1	22 : 47	Replace “Haarsma et al., 2013b” by “Haarsma et al., 2013a”
10	CCB 10.1	22 : 48	Replace “Wang et al., 2018” by “K. Wang et al., 2018”
10	CCB10.1	22:45	add reference at the end of sentence: “ Parding et al., 2019”
10	CCB10.1	22:36	add after "moisture": “and snow-cover (Nakamura et al., 2019; Sato and Nakamura, 2019)”
10	CCB10.1	22:22	delete “such as the link with Barents-Kara Sea ice loss in winter and weakened storm tracks in summer”
10	CCB10.1	22:46	add “decrease” after “gradient”
10	10.2.1.1	23:29	Change “Several” into “Many”.
10	10.2.1.1	24 : 30	Replace “Chen et al., 2012b” by “H. Chen et al., 2012”
10	10.2.1.1	25 : 50	Replace “Liu et al., 2016b” by “L. Liu et al., 2016”
10	10.2.2.1	26 : 29	Replace “Cao et al., 2016” by “Cao et al., 2016b”
10	10.2.2.2	27 : 3	Replace “Sun et al., 2016b” by “Y. Sun et al., 2016”
10	10.2.2.2	27: 33,	A dd new reference Zhou et al., 2021 after Trewin 2013. Zhou et al. 2021 is already added in mendeley . At the time when replying to the SOD comment the suggested paper was still under-review but when working on the FGD the paper got published and the author (RH) forgot to check again the replies to SOD comment before submitting the FGD. The suggested paper is published before the deadline and after checking it is worth to be cited. The reference is https://doi.org/10.1175/JCLI-D-20-0352.1
10	10.2.2.3	28:40	R eplace “and West Africa (WACA&D,” with “, Latin America and West Africa (ICA&D,“
10	10.2.2.6	30 : 48	Replace “Kim et al., 2015b” by “J. Kim et al., 2015”
10	10.2.4	32 : 32	Replace “Langendijk et al., 2019a” by “Langendijk et al., 2019b”
10	10.3.1.1	35:3	add "(Chapter 3)" after "some models"
10	10.3.2.1	38 : 18	Replace “Zhang et al., 2016c”’ by “T. Zhang et al., 2016”
10	10.3.2.1	38 : 18	Replace “Haarsma et al., 2013a” by “Haarsma et al., 2013b”
10	10.3.2.1	38 : 41	Replace “Zhang et al., 2016a” by “C. Zhang et al., 2016”
10	10.3.2.1	38 : 43	Replace “Brogli et al., 2019a” by “Brogli et al., 2019b”
10	10.3.2.1	38 : 51	Replace “Chen et al., 2020a” by “J. Chen et al., 2020”
10	10.3.2.1	38 : 54	Replace “Otto et al., 2016a” by “F.E.L. Otto et al., 2016”
10	10.3.2.3	39 : 37	Replace “Wang et al., 2017a” by “J. Wang et al., 2017”
10	10.3.2.4	39:47	Add “Chapter 3” inside the brackets before “Section 10.3.4.3”
10	10.3.2.4	39 : 54	Replace “Wang et al., 2015b” by “Z. Wang et al., 2015”
10	10.3.3	41 : 5	Replace “Hewitson et al., 2014a” by “B.C. Hewitson et al., 2014”
10	10.3.3.1	41 : 32	Replace “Kim et al., 2015” by “D. Kim et al., 2015”
10	10.3.3.1	41 : 41	Replace “Zscheischler et al., 2018b” by “Zscheischler et al., 2018”
10	10.3.3.1	42 : 6	Replace “Chen et al., 2012b” by “H. Chen et al., 2012”
10	10.3.3.2	42 : 33	Replace “Prein et al., 2016a” by “Prein et al., 2016b”
10	10.3.3.3.2	45 : 36	Replace “Deser et al., 2017” by “Deser et al., 2017c”
10	10.3.3.6	50 : 42-43	Replace “Liu et al., 2016a” by “F. Liu et al., 2016”
10	10.3.3.6	50 : 44	Replace “Michel et al., 2018” by “Michel et al., 2020”
10	10.3.3.6	50 : 54	Replace “Liu et al., 2018a” by “F. Liu et al., 2018a”
10	10.3.3.6	50 : 54-55	Replace “Lim et al., 2016b” by “Lim et al., 2016b” Replace “Liu et al., 2018b” by “F. Liu et al., 2018b”
10	10.3.3.6	50:46	Complete the sentence with “but this influence is not well reproduced in climate models AND REQUIRES VERY LARGE ENSEMBLES” (the text to be added is capitalized).
10	10.3.3.6	51 : 6	Replace “Wang et al., 2017b” by “Q. Wang et al., 2017”
10	10.3.3.7	51 : 48 51 : 49-50	Replace “Maraun et al., 2019b” by “Maraun et al., 2019a”
10	10.3.3.7	52 : 15	Replace “Maraun et al., 2019a” by “Maraun et al., 2019b”
10	10.3.3.7.1	53 : 12	Replace “Maraun et al., 2019a” by “Maraun et al., 2019b”

10	10.3.3.7.2	53 : 29 53 : 33 53 : 34	Replace “Maraun et al., 2019a” by “Maraun et al., 2019b”
10	10.3.3.7.3	54 : 2	Replace “Maraun et al., 2019a” by “Maraun et al., 2019b”
10	10.3.3.8	54:36	Replace "sensible" by "informative".
10	10.3.3.8	54:36	Replace "Maraun et al. (2017)" by "Maraun et al. (2019b)".
10	10.3.3.10	58:40	Add "(Casanueva et al., 2016)” after "calibration". The reference, which was suggested by an SOD reviewer, was missing in the FGD by mistake. The reference https://doi.org/10.1007/s10584-016-1683-4 needs to be added to the list of references.
10	10.3.3.9	58 : 15 58 : 25	Replace “Boé et al., 2020” by “Boé et al., 2020a”
10	10.3.3.10	58 : 41-42 58 : 44-45	Replace “Maraun et al., 2019b” by “Maraun et al., 2019a”
10	10.3.4.2	59:47	Replace “low probability high-impact” by “low likelihood high-impact”
10	10.3.4.2	60 : 15	Replace “Hewitson et al., 2014a” by “B.C. Hewitson et al., 2014”
10	10.3.4.2	60 : 29	Replace “Li et al. (2017)” by “G. Li et al. (2017)”
10	10.3.4.3	60 : 50	Replace “von Trentini et al., 2019b” by “von Trentini et al., 2019”
10	10.3.4.3	61 : 4	Replace “Cai et al., 2018b” by “W. Cai et al., 2018”
10	10.3.4.3	61 : 50	Replace “Maraun, 2013” by “Maraun, 2013b”
10	10.3.4.4	63 : 1	Replace “Collins et al., 2013” by “Collins et al., 2013b”
10	CCB 10.2	64 : 52 65 : 40	Replace “Maraun et al., 2017b” by “Maraun et al., 2017”
10	CCB 10.2	65 : 28	Replace “Maraun and Widmann (2018)” by “Maraun and Widmann (2018a)”
10	10.4.1.1	66 : 49-50	Replace “Li et al., 2017a” by “C. Li et al., 2017” Replace “Wang et al., 2018b” by “Y. Wang et al., 2018”
10	10.4.1.1	66 : 55	Replace “Li et al., 2016b, 2017a” by “C. Li et al., 2016, 2017”
10	10.4.1.1	67 : 2 67 : 8	Replace “Li et al., 2017a” by “C. Li et al., 2017”
10	10.4.1.1	67 : 9	Replace “Ma et al. (2017)” by “Ma et al. (2017b)”
10	10.4.1.1	67 : 13	Replace “Zhou et al., 2017” by “Zhou et al., 2017b”
10	10.4.1.2	68 : 19 68 : 31	Replace “Guo et al. (2019)” by “R. Guo et al. (2019)”
10	10.4.1.3	69 : 24	Replace “Huang et al. (2020)” by “Huang et al. (2020b)”
10	10.4.2.2	72 : 27	Replace “Zhang et al., 2016” by “H. Zhang et al., 2016”
10	10.4.2.2	73 : 39	Replace “Zhang et al., 2016b” by “H. Zhang et al., 2016”
10	10.4.2.3	75 : 19	Replace “Prein et al. (2016)” by “Prein et al. (2016a)”
10	10.4.3.1	77 : 30	Replace “Liu et al., 2018” by “W. Liu et al., 2018”
10	10.4.3.2	79 : 17	Replace “Maraun, 2013” by “Maraun, 2013b”
10	10.4.3.2	80 : 28	Replace “Guo et al., 2019b” by “R. Guo et al., 2019”
10	10.5.1	82:43	Replace “global climate models” by “global models”
10	10.5.1	82:43	Replace “GCMs” with “GCMs and ESMs”
10	10.5.1	83 : 2	Replace “Cao et al., 2016” by “Cao et al., 2016a”
10	10.5.1	83 : 5	Add "Convention" after "Framework"
10	10.5.3.1	87 : 6	Replace “Hewitson et al., 2014b” by “Hewitson et al., 2014”
10	10.5.3.3	88 : 18	Replace “Brown et al., 2012a, 2012b” by “A. Brown et al., 2012: C. Brown et al., 2012”
10	10.5.3.4	88 : 42 88 : 50	Replace “Otto et al., 2016b” by “J. Otto et al., 2016”
10	Box 10.2	90 : 9-10 90 : 15	Replace “Meredith et al., 2015” by “Meredith et al., 2015b”
10	Box 10.2	90 : 15	Replace “Shepherd, 2016” by “Shepherd, 2016a”
10	10.6.2.4	97:47	Replace “Southern Annual Mode” with “Southern Annular Mode”
10	10.6.2.4	97 : 55	Replace “Lim et al., 2016b” by “E.-P. Lim et al., 2016”
10	10.6.2.5	99 : 23	Replace “Lim et al., 2016a” by “E.-P. Lim et al., 2016”
10	10.6.2.6	99 : 30	Replace “Almazroui et al., 2020a” by “Almazroui et al., 2020c”

10	10.6.2.6	99 : 39	Replace “Lim et al., 2016a” by “E.-P. Lim et al., 2016”
10	10.6.2.6	99:30	Replace “Almazroui et al., 2020a” with “Almazroui et al., 2020c” [correct reference should point to doi:10.1007/s41748-020-00161-x]
10	10.6.3.3	101 : 55	Replace “Colliins et al. (2013)” by “Colliins et al. (2013a)”
10	10.6.3.6	103 : 46	Replace “Chen et al., 2020b” by “Z. Chen et al. 2020”
10	10.6.3.6	104 : 13	Replace “Almazroui et al., 2020c” by “Almazroui et al., 2020b”
10	10.6.3.6	104 : 24-25	Replace “Zhang et al., 2020a” by “J. Zhang et al., 2020”
10	10.6.3.6	104 : 30	Replace “Chen et al., 2020b” by “Z. Chen et al. 2020”
10	10.6.3.6	104 : 46	Replace “Li et al. (2017)” by “G. Li et al. (2017)”
10	10.6.3.6	104:13	Replace “Almazroui et al., 2020c” with “Almazroui et al., 2020b” [correct reference should point to doi:10.1007/s41748-020-00157-7]
10	10.6.4.5	109 : 29	Replace “Brogli et al., 2019a” by “Brogli et al., 2019b”
10	10.6.4.6	110 : 29	Replace “Coppola et al., 2020b” by “Coppola et al., 2020”
10	10.6.4.7	112 : 45	Replace “Boé et al. (2020)” by “Boé et al. (2020a)”
10		113	Replace “East Asia” with “East Asia and TIB (Cross-chapter Box 10.4)”
10	10.6.4.9	113 : 55 – 114 : 1	Replace “Li et al., 2019, 2020d” by “Li et al., 2019; Y. Li et al., 2020a”
10	Box 10.3	114 : 19	Replace “Chen et al., 2012a” by “F. Chen et al., 2012”
10	Box 10.3	114 : 24	Replace “Langendijk et al., 2019a” by “Langendijk et al., 2019b”
10	Box 10.3	114 : 44	Replace “Chen et al., 2016b” by “H. Chen et al., 2016”
10	Box 10.3	114 : 45	Replace “Kusaka et al., 2012b” by “Kusaka et al., 2012a”
10	Box 10.3	114 : 47	Replace “Langendijk et al., 2019b” by “Langendijk et al., 2019a”
10	Box 10.3	114 : 52	Replace “Kusaka et al., 2012a” by “Kusaka et al., 2012b”
10	Box 10.3	115 : 2	Replace “Chen et al., 2016b” by “H. Chen et al., 2016”
10	Box 10.3	115 : 31	Replace “Wang et al., 2017a” by “J. Wang et al., 2017”
10	Box 10.3	115 : 37	Replace “Li et al., 2020c” by “Y. Li et al., 2020b”
10	Box 10.3	115 : 53	Replace “Li et al., 2018c” by “X. Li et al., 2018”
10	Box 10.3	116 : 47-48	Replace “Guo et al., 2019a” by “D. Guo et al., 2019b” Replace “Li al., 2020a” by “Li et al., 2020”
10	Box 10.3	116 : 51	Replace “Zhang et al., 2018b” by “Y. Zhang et al., 2018”
10	Box 10.3	117 : 34	Replace “Yao et al., 2012b” by “Yao et al., 2012a”
10	Box 10.3	117 : 36	Replace “Li et al., 2018b” by “H. Li et al., 2018b”
10	Box 10.3	118 : 14 118 : 24	Replace “Almazroui et a., 2020c” by “Almazroui et al., 2020b”
10	CCB10.4	118:14	Replace “Almazroui et al., 2020c” with “Almazroui et al., 2020b” [correct reference should point to doi:10.1007/s41748-020-00157-7]
10	CCB10.4	118:24	Replace “Almazroui et al., 2020c” with “Almazroui et al., 2020b” [correct reference should point to doi:10.1007/s41748-020-00157-7]
10	Figure 10.1	197:9	Within figure in the middle hexagon of the top row, replace “Litterature” with “Literature”
10	Figure 10.1	197:11	Within figure in the leftmost hexagon of the top row, replace "In situ and remote Observations" with "In situ and remote observations"
10	Figure 10.1	197:50	Add at the end of the caption “Literature refers to scientific and technical literature, and climate experts to climate scientists, practitioners and local communities, as defined in section 10.5.” to clarify what is meant in the corresponding hexagons.
10	Figure 10.2	198	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
10	Figure 10.19 caption	222:19 and 105:25	Replace “out to the near term (2016–2045)" with "for the period 2016–2045”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 11

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
11		Throughout chapter	Replace "Li et al,. 2020"or "Li et al., 2020a" by "C. Li et al., 2020"
11	ES	6:6	Add following sentence: "The assessment focuses on land regions excluding Antarctica. " after "(multivariate and concurrent extremes)". Justification: See comments suggesting to mention explicitly that Antarctica is not considered (see review comments #83383 and #33257)
11	ES	6:52	Replace:"hot extremes" With "hot extremes (including heat waves)"
11	ES	7:22-23	Replace: " The highest increase of temperature of hottest days is projected in some mid-latitude and semi- arid regions, at about 1.5 time to twice the rate of global warming (*high confidence*). " With " The highest increase of temperature of hottest days is projected in some mid-latitude and semi- arid regions, and the South American Monsson region, at about 1.5 time to twice the rate of global warming (*high confidence*). "
11	ES	7:39	Replace "in land regions" with "over land regions"
11	ES	7:42	Replace "region." with "region (*high confidence*)."
11	ES	7:21 (and 22)	Remove "This includes increases in RAR, NSA, and parts of SES, NEU, ENA and decreases in NES, SAU, and parts of MED and EAS)" as regional assessment is summarized in Chapter 12
11	ES	7:27 (and also 28, 29)	Remove "River floods are projected to become more frequent and intense in some AR6 regions (RAR, SEA, SAS, NWS) (high confidence) and less frequent and intense in others (WCE, EEU, MED) (high confidence)
11	ES	8:6	Replace "accelerate" with "be non-linear"
11	ES	8:41	Replace "decreases in water availability during the dry season over a predominant fraction of the land area" with "increases in agricultural and ecological droughts in some regions"
11	ES	8:46	Replace "induced drying trends" with "induced increases in meteorological droughts"
11	ES	8:55 – 9:1	Replace "The land area affected by increasing drought frequency and severity expands with increasing global warming (*high confidence*)" with "More regions are affected by increases in agricultural and ecological droughts with increasing global warming (*high confidence*)."

11	ES	9:1-9:4	Replace “Several regions will be affected by more severe agricultural and ecological droughts even if global warming is stabilized in a range of 1.5°C-2°C of global warming (high confidence), including WCE, MED, EAU, SAU, SCA, NSA, SAM, SWS, SSA, NCA, CAN, WSAF, ESAF and MDG (medium confidence).” with “Several regions will be affected by more severe agricultural and ecological droughts even if global warming is stabilised at 2°C, including MED, WSAF, SAM and SSA (*high confidence*), and ESAF, MDG, EAU, SAU, SCA, CAR, NSA, NES, SWS, WCE, NCA, WNA and CNA (*medium confidence*). Some regions are also projected to be affected by more severe agricultural and ecological droughts at 1.5°C (MED, WSAF, ESAF, SAU, NSA, SAM, SSA, CNA, *medium confidence*) »
11	ES	9:4	Replace “would be affected” with “would be affected by increases in agricultural and ecological droughts”
11	ES	9: 21	Replace “rain rates” with “rain-rates”
11	ES	9: 24	Replace “rain rates” with “rain-rates”
11	ES	9:29 (and also 3)	Replace “It is likely that the global proportion of major TC (Category 3–5) intensities over the past four decades has increased” with “It is *likely* that the global proportion of category 3-5 tropical cyclone instances (ADD A FOOTNOTE HERE) has increased over the past four decades”. The FOOTNOTE is “6-hourly intensity estimates during the lifetime of each TC”.
11	ES	9:45	Replace “precipitation rates” with “precipitation-rates”
11	ES	Page 10, lines 2:5	Replace : The probability of compound flooding (storm surge, extreme rainfall and/or river flow) has increased in some locations, and will continue to increase due to both sea level rise and increases in heavy precipitation, including changes in precipitation intensity associated with TCs (*high confidence*). With The probability of compound flooding (storm surge, extreme rainfall and/or river flow) has increased in some locations (*medium confidence*), and will continue to increase due to both sea level rise and increases in heavy precipitation, including changes in precipitation intensity associated with TCs (*high confidence*).
11	11.1.2	12:35	Replace “Droughts, as well as tropical and extratropical cyclones, are assessed as phenomena in general” With “Droughts and tropical cyclones are treated as phenomena in general in the assessment”
11	11.1.4	13:24	Replace “scale robustly and in general linearly with” with “scale robustly, and in general linearly, with”
11	11.1.4	13:33	Replace “per 1°C temperature increase” by “per 1°C of warming”
11	11.1.4	14:25	Replace “A few events, for example,” with “For example,”
11	11.1.4	14:30	Replace “lack of scientific capacity” with “other problems”
11	Section 11.1	14:25	Replace A few events, for example, extreme rainfall events… With For example, extreme rainfall events…
11	Box 11.1	15:19	Remove “e.g.,”.
11	Box 11.1	15:48	Replace “for every degree celsius of” by “per 1°C of”.
11	Box 11.1	15 : 35	Replace “Suarez-Gutierrez et al., 2020” by “Suarez-Gutierrez et al., 2020a”
11	Box 11.1	15:54	Replace “degree celsius” by “1°C”.
11	Box 11.1	15 : 51-52	Replace “Sun et al., 2020” by “Sun et al,. 2020b”

11	11.1.5	17:42	Replace “clear signals in some aspects” by “some robust changes”.
11	11.1.5	17:47	Replace “El Niños” by “ENSO events”.
11	11.1.5	17:51	Replace “ENSOs” by “ENSO events”.
11	11.1.6	18 : 7 19 : 13	Replace “Miralles et al., 2014” by “Miralles et al., 2014a”
11	11.1.6	18 : 33	Replace “Dong et al., 2017b” by “Dong et al., 2017”
11	11.1.6	18 : 35	Replace “Dong et al., 2016” by “Dong et al., 2016b”
11	11.2.2	28 : 11	Replace “Contractor et al., 2020” by “Contractor et al., 2020a”
11	Box 11.3	20 : 22	Remove “Brohan et al., 2016”
11	Table 11.1	Page 21, entry for “increase in compound events”	Replace : *Medium confidence* that compound flooding risk has increased along the USA coastline With *Medium confidence* that compound flooding risk has increased in some locations
11	Table 11.1	Page 21, left-hand column	Replace in left-hand column: Agricultural and ecological drought events : Enhanced drying in dry season With Increases in agricultural and ecological drought events
11	Table 11.1	Page 21, middle column	Replace in middle column (top and middle of cell): *Medium confidence*, in predominant fraction of land area Observed decrease in water availability in the dry season due to increased evapotranspiration (driven by increased atmospheric evaporative demand) in a predominant fraction of the land area (*medium confidence*) {11.6} With *Medium confidence* in some regions {11.6, 11.9}
11	Table 11.1	Page 21, right-hand column	Replace in right-hand column (top of cell) : *Medium confidence*, in predominant fraction of land area Human contribution to decrease in water availability in the dry season in a predominant fraction of the land area (*medium confidence*) {11.6} With *Medium confidence* in some regions {11.6, 11.9}
11	Table 11.2	Entry for agricultural and ecological droughts, 2nd column (1.5°C)	Replace: *High confidence* over predominant fraction of land area Land area affected by increasing drought frequency and severity expands with increasing global warming *(high confidence).* {11.6, 11.9} with More regions affected by increases in agricultural and ecological droughts compared observed changes (*high confidence*) {11.6, 11.9}
11	Table 11.2	Entry for agricultural and ecological droughts, 3rd column (2°C)	Replace: *Likely* over predominant fraction of land area Land area affected by increasing drought frequency and severity expands with increasing global warming *(high confidence).* {11.6, 11.9} With More regions affected by increases in agricultural and ecological droughts than at 1.5°C of global warming (*high confidence*) {11.6, 11.9}“
11	Table 11.2	Entry for agricultural and ecological droughts, 4th column (4°C)	Replace *Very likely* over predominant fraction of land area Land area affected by increasing drought frequency and severity expands with increasing global warming *(very likely).* {11.6, 11.9} With More regions affected by increases in agricultural and ecological droughts than at 2°C of global warming (*very likely*) {11.6, 11.9}“
11	Table 11.2	22:left-hand column	Replace Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, at about 1.5 times to twice the rate of global warming (high confidence)

			With“ Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, and the South American Monsoon region, at about 1.5 times to twice the rate of global warming (*high confidence*) {11.3, Fig. 11.3}
11	Table 11.2	22:middle column	Replace Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, at about 1.5 times to twice the rate of global warming (high confidence) With Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, and the South American Monsoon region, at about 1.5 times to twice the rate of global warming (*high confidence*) {11.3, Fig. 11.3}
11	Table 11.2	22:right-hand column	Replace Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, at about 1.5 times to twice the rate of global warming (high confidence) With Highest increase of temperature of hottest days is projected in some mid-latitude and semi-arid regions, and the South American Monsoon region, at about 1.5 times to twice the rate of global warming (*high confidence*) {11.3, Fig. 11.3}
11	Table 11.2	Page 23, entry for “ Increase in likelihood that a TC will be at major TC intensity (Cat. 4-5) «	Replace label of row with Increase in likelihood that a TC will reach major TC intensity (Cat. 4-5)
11	Table 11.2	Page 23, entry for compound events	Replace :« *Medium confidence* that compound flooding at the coastal zone will increase under higher levels of global warming, with higher frequency/intensity with every additional 0.5°C of global warming With *High confidence* that compound flooding at the coastal zone will increase under higher levels of global warming.
11	Table 11.2	23, The right column of “Severe convective storms”	Replace “There is medium confidence that the frequency of severe convective storms increases in the spring with enhancement of convective available potential energy (CAPE), leading to extension of seasons of occurrence of severe convective storms. There is high confidence of future intensification of precipitation associated with severe convective storms.” with “*High confidence* that the average and maximum rain rates associated with severe convective storms increase in some regions including the USA. *High confidence* that CAPE increases in response to global warming in the tropics and subtropics, suggesting more favourable environments for severe convective storms. *Medium confidence* that the frequency of springtime severe convective storms is projected to increase in the USA leading to a lengthening of the severe convective storm season.”

11	Table 11.2	23	In row beginning with “Increase in precipitation associated with tropical cyclones (TC)”, in the second column: Replace “High confidence in a projected increase of TC **rain rates** at the global scale; **the** median projected **rate of** increase due to human emissions **is** about 11%.” with "High confidence in a projected increase of TC **rain-rates** at the global scale **with a** median projected increase due to human emissions **of** about 11%.”
11	Table 11.2	23	In row beginning with “Increase in precipitation associated with tropical cyclones (TC)”, in the third column: Replace “High confidence in a projected increase of TC rain rates at the global scale; the median projected rate of increase due to human emissions is about 14%.” with "High confidence in a projected increase of TC rain-rates at the global scale with a median projected increase due to human emissions of about 14%.”
11	Table 11.2	23	In row beginning with “Increase in precipitation associated with tropical cyclones (TC)”, in the fourth column: Replace “High confidence in a projected increase of TC rain rates at the global scale; the median projected rate of increase due to human emissions is about 28%.” with "High confidence in a projected increase of TC rain-rates at the global scale with a median projected increase due to human emissions of about 28%.”
11	Table 11.2	23	In row beginning with “Increase in precipitation associated with tropical cyclones (TC)”, in the second, third, and fourth columns: Replace each “Medium confidence that **rain rates** will increase in every basin.” with “Medium confidence that **rain-rates** will increase in every basin.”
11	11.1.5	26:10	Remove “The main focus is on extreme events over land, as extremes in the ocean are assessed in Chapter 9 of this Report” (addressed elsewhere and does not fit scope of Section 11.2)
11	11.2.2	28:21	Replace “ERA-interim” by “ERA-Interim”.
11	11.2.2	28:22	Replace “ERA-interim” by “ERA-Interim”.
11	Box 11.3	29:31	Replace “natural processes” with “natural processes (Wilhelm et al. 2019)”
11	Box 11.3	29:53	Replace “2018))” with “2018; Garreaud et al., 2017)”
11	Box 11.3	29 : 52	Replace “Cook et al., 2014” by “Cook et al., 2014b”
11	Box 11.3	31: 4	Replace “The most robust evidence is high confidence that high-duration” with “There is high confidence that long-duration”
11	11.2.4	33 : 31-32	Replace “Vautard et al., 9999” by “Vautard et al., 2020a”
11	11.2.4	33:17-33:18	Replace “These encompass a scenario compatible with the aims of the Paris Agreement (+1.5°C)” with “These encompass a scenario compatible with the lowest limit of the Paris Agreement (+1.5°C)”
11	11.2.4	33:1	Replace “SR15” by “SR1.5”
11	11.2.4	33:15	Replace “SR15” by “SR1.5”
11	11.2.4	33:27	Replace “In particular” by “ For example”
11	11.2.4	33:32	Replace “9999” by appropriate reference year
11	11.2.4	33:42	Replace “climate variables with large inertia” With “climate variables related to components of the climate system associated with large inertia”.
11	CCB 11.1	36 : 4	Replace “Collins et al., 2013a” by “Collins et al., 2013”
11	Section 11.3.1	38:44	Replace “Annex VI” by “Annex IV”.
11	Section 11.3.1	38:50	After “Müller et al., 2020”, insert “; Qasmi et al. 2021”. Add a reference: Qasmi, S., Sanchez-Gomez, E., Ruprich-Robert, Y., Boé, J., and Cassou, C. (2021). Modulation of the Occurrence of Heatwaves over the Euro-

			Mediterranean Region by the Intensity of the Atlantic Multidecadal Variability. J. Clim. 34, 1099–1114. doi:10.1175/JCLI-D-19-0982.1. [This needs to be corrected to reflect the comment ID 45583 (Chap 11 ID 1238).]
11	Section 11.3.1	38:15	After "Cowan et al. 2016", insert "; 2020". Add a reference: Cowan, T., Undorf, S., Hegerl, G. C., Harrington, L. J., and Otto, F. E. L. (2020). Present-day greenhouse gases could cause more frequent and longer Dust Bowl heatwaves. Nat. Clim. Chang. 10, 505–510. doi:10.1038/s41558-020-0771-7. [This needs to be corrected to reflect the comment ID 79167 (Chap 11 ID 1243).]
11	11.3.1	39 : 14	Replace "Miralles et al., 2014" by "Miralles et al., 2014a"
11	11.3.1	39 : 44	Replace "Sun et al., 2019" by "Y. Sun et al., 2019"
11	11.3.1	39:53	Add after "… associated uncertainties (high confidence)" Changes in anthropogenic aerosol concentrations have *likely* affected trends in hot extremes in some regions. Irrigation and crop expansion have attenuated increases in summer hot extremes in some regions, such as the U.S. Midwest (*medium confidence*).
11	11.3.1	39:53-54	Replace : Urbanization has exacerbated the effects of global warming in cities, in particular for night-time temperature extremes (high confidence)« With Urbanization has *likely* exacerbated the effects of global warming in cities, in particular for night-time temperature extremes.
11	11.3.2	40:29-30	Replace "annual maximum daily maximum (TXx), the annual minimum daily minimum temperature (TNn)" by "TXx, TNn"
11	11.3.2	41 : 33	Remove "Imada et al., 2017"
11	11.3.2	41 : 37	Replace "Roy, 2019" by "Sen Roy, 2019"
11	11.3.2	41:44	Replace "decrease" by "decreases".
11	11.3.2	42:6	Replace "Tencer, B.; Rusticucci" by "Tencer and Rusticucci"
11	11.3.3	43:50	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.4	45 : 50	Replace "Sanderson et al., 2017" by "M. Sanderson et al., 2017"
11	11.3.5	47 : 32	Replace "Collins et al., 2013a" by "Collins et al., 2013"
11	11.3.5	47:34	Replace "SR15" by "SR1.5"
11	11.3.5	47:38	Replace "SR15" by "SR1.5"
11	11.3.5	47:42	Replace "SR15" by "SR1.5"
11	11.3.5	48:1	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.5	48:25	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.5	48:25	Replace "SR15" by "SR1.5"
11	11.3.5	48:56	Replace "Li et al., 2020" by "Li et al., 2020a"
11	Figure 11.9 caption	48:40	After "compared to the 1851-1900 baseline", add "The unit for soil moisture change is the standard deviation of interannual variability in soil moisture during 1850-1900. Standard deviation is a widely used metric in characterizing drought severity. A projected reduction in mean soil moisture by one standard deviation corresponds to soil moisture conditions typical of about 1-in 6 year droughts during 1850-1900 becoming the norm in the future."
11	11.3.5	49:49	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.5	50:47	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.5	50:52	Replace "Li et al., 2020" by "Li et al., 2020a"
11	11.3.5	49 : 20-21 49 : 49 50 : 15 50 : 35 50 : 47 50 : 52	Replace "Coppola et al., 2021" by "Coppola et al., 2021b"

11	11.3.5	50 : 16	Replace “Lewis et al., 2017a” by “Lewis et al., 2017”
11	Section 11.4.1	51:38	Replace “Annex VI” by “Annex IV”.
11	11.4.2	52 : 44 52 : 46 52 : 53 53 : 1 53 : 35 53 : 37 53 : 51 52 : 23 54 : 26 54 : 37-38 54 : 55 55 : 18 55 : 45	Replace “Sun et al., 2020” by “ Sun et al., 2020b”
11	11.4.2	52 : 47	Replace “Contractor et al., 2020” by “Contractor et al., 2020a”
11	11.4.2	53 : 20	Replace “Fowler et al., 2020” by “Fowler et al., 2021”
11	11.4.2	53 : 27	Replace “Sun et al., 2019d” by “ Sun et al., 2020a”
11	11.4.2	53 : 29	Replace “Sun et al., 2019” by “Sun et al., 2020b”
11	11.4.2	53 : 45	Replace “Mathbout et al., 2018” by “Mathbout, 2018b”
11	11.4.2	54 : 23	Replace “Dey et al., 2018” by “Dey et al., 2019” Replace “Gurreiro et al., 2018” by “Gurreiro et al., 2018b”
11	11.4.2	55 : 21-22	Replace “Sun et al., 2020; Donat et al., 2013; Huang et al., 2017” by “Sun et al., 2020b; Donat et al., 2013b; H. Huang et al., 2017”
11	11.4.3	56 : 29	Replace “Kusunoki, 2017, 2018” by “Kusunoki, 2017, 2018b”
11	11.4.4	58 : 16-17 58 : 33	Replace “Dong et al., 2020” by “Dong et al., 2021”
11	11.4.4	58 : 43-44	Replace “Li et al., 2017” by “H. Li et al., 2017”
11	11.4.4	59 : 7	Replace “Wang et al., 2018” by “S.-Y.S. Wang et al., 2018”
11	11.4.4	59:6	Replace “(6-7%/°C)” by “(7% per 1°C of warming)”.
11	11.4.5	59:53	Replace “7%/°C” by “7% per 1°C of warming”.
11	11.4.5	60 : 6	Replace “Lin et al., 2016, 2018a” by “Lin et al., 2016, 2018a”
11	11.4.5	61 : 6-7	Replace “Fowler et al., 2020” by “Fowler et al., 2021”
11	11.4.5	61 : 44	Replace “Kim et al., 2018” by “G. Kim et al., 2018”
11	11.4.5	61:30	Replace “medium confidence” by “high confidence”
11	11.4.5	62 : 4	Replace “Wester et al., 2019” by “Roy et al., 2019”
11	11.4.5	62:12	Replace “degree celsius” by “1°C”.
11	11.4.5	62:48	Replace “degree celsius” by “°C”.
11	11.4.5	62 : 33	Replace “Chou et al., 2014” by “Chou et al., 2014b”
11	11.4.5	62 : 50	Replace “OB et al,. 2016” by “Christensen et al., 2015”
11	11.4.5	62 : 52	Replace “Coppola et al., 2020” by “Coppola et al., 2021”
11	11.4.5	63 : 8	Replace “Innocenti et al., 2019b” by “Innocenti et al., 2019” Remove “Zhang et al., 2018f”
11	11.4 (last paragraph)	63:37	Replace “accelerate” with “be non-linear”
11	11.5.3	66 : 8	Replace “Huang et al., 2017” by “S. Huang et al., 2017a”
11	11.4.5	63 : 8 63 : 10	Replace “Coppola et al., 2020” by “Coppola et al., 2021”
11	11.5.5	67 : 30	Replace “Alfieri et al. (2017a)” by “Alfieri et al. (2017)””
11	11.6.1.2	70 : 18	Replace “Zhou et al., 2019” by “S. Zhou et al,. 2019”
11	11.6.1.3	70 : 45-46	Replace “Liu et al., 2020b” by “Liu et al., 2020”
11	11.6.1.4	71 : 16-17	Replace “Wu et al., 2018” by “J. Wu et al., 2018”
11	11.6.1.5	71 : 37	Replace “Mukherjee et al., 2018” by “Mukherjee et al., 2018a”
11	11.6.2.1	72 : 43	Replace “Peña-Angulo et al., 2020” by “Peña-Angulo et al., 2020b”
11	11.6.2.2	73 : 1-2	Replace “Sun et al., 2018” by “Z. Sun et al., 2018”

11	11.6.2.3	73 : 42	Replace “Qin et al., 2015” by “Y. Qin et al., 2015”
11		77:14	replace “generallyn” by “generally”
11	11.6.4.1	78 : 50	Replace “Philip et al., 2018” by “Philip et al., 2018b”
11	11.6.4.1	79 : 1	Replace “Otto et al., 2015” by “Otto et al., 2015b”
11	11.6.4.4	80 : 19	Replace “Li et al. (2017)” by “Z. Li et al. (2017)”
11	11.6.4.4	80 : 30	Replace “Zhang et al. (2020)” by “L. Zhang et al. (2020)”
11	11.6	79:22-23	Replace: “Mueller and Zhang concluded that anthropogenic forcing contributed significantly to an increase in the land surface area affected by soil moisture deficits, …” with “Mueller and Zhang concluded that anthropogenic forcing contributed significantly to soil moisture drying in the warm season in the Northern Hemisphere from 1951 to 2005, and also led to an increase in the land surface area affected by soil moisture deficits….”
11	11.6	79:24-25	Replace: “A similar assessment was provided globally by Gu et al. 2019b also using CMIP5 models” with “Gu et al. 2019b similarly identified a global-scale soil moisture drying tendency in land surface model data from the Global Land Data Assimilation System 2 over the time frame 1948-2005, which was attributed to anthropogenic forcing based on evaluation with CMIP5 models using optimal fingerprinting.”
11	11.6	79:27-28	Replace: “defined as precipitation minus ET (i.e., equivalent to soil moisture and runoff availability), and found that patterns of changes in dry-season deficits in the recent three last decades can only be explained by anthropogenic forcing and are mostly related to changes in ET.” with "defined as precipitation minus ET (i.e., equivalent to soil moisture and runoff availability), also related to agricultural and ecological droughts. They found an intensification of dry-season precipitation minus ET deficits over a predominant fraction of the land area in the last three decades, which can only be explained by anthropogenic forcing and is mostly related to increases in ET"
11	11.6	80:40	Replace: There is *medium confidence* that human influence has contributed to changes in agricultural and ecological droughts and has led to an increase in the overall affected land area. with There is *medium confidence* that human influence has contributed to increases in agricultural and ecological droughts in the dry season in some regions and has led to an increase in the overall affected land area.
11	11.6	80:51-53	Replace In summary, human influence has contributed to changes in water availability during the dry season over land areas, including decreases over several regions due to increases in evapotranspiration (*medium confidence*). with In summary, human influence has contributed to increases in agricultural and ecological droughts in the dry season in some regions due to increases in evapotranspiration (*medium confidence*).
11	11.6.5.1	81 : 52	Replace “Sillmann et al., 2013” by “Sillmann et al., 2013a”

11	11.6.5 (Fig 11.18 caption)	84:33	Replace “Africa, Madagascar, E.Australia, S.Australia” with “Africa, Madagascar, E.Australia, S.Australia. Caribbean is not included in the calculation because of too small number of fully land grids.”
11	Section 11.7.1.2	85:39	Replace “inter-basin changes in TC frequency” by “ basinwide changes in TC frequency”.
11	11.6	86:6-10	Replace The assessment shows that several regions will be affected by more severe agricultural and ecological droughts even if global warming is stabilized at well below 2°C, and 1.5°C, within the bounds of the Paris Agreement (*high confidence*). The most affected regions include WCE, MED, EAU, SAU, SCA, NSA, SAM, SWS, SSA, NCA, CAN, WSAF, ESAF and MDG (*medium confidence*). with The assessment shows that several regions will be affected by more severe agricultural and ecological droughts even if global warming is stabilised at 2°C, including MED, WSAF, SAM and SSA (*high confidence*), and ESAF, MDG, EAU, SAU, SCA, CAR, NSA, NES, SWS, WCE, NCA, WNA and CNA (*medium confidence*). Some regions are also projected to be affected by more severe agricultural and ecological droughts at 1.5°C (MED, WSAF, ESAF, SAU, NSA, SAM, SSA, CNA, *medium confidence*)
11	11.6	86: 26-27	Replace In summary, the land area affected by increasing drought frequency and severity expands with increasing global warming (*high confidence*) With In summary, more regions are affected by increases in agricultural and ecological droughts with increasing global warming (*high confidence*).”
11	11.6	86:29-32	Replace : Several regions will be affected by more frequent and severe agricultural and ecological droughts even if global warming is stabilized at 1.5-2°C (*high confidence*). The most affected regions include WCE, MED, EAU, SAU, SCA, NSA, SAM, SWS, SSA, NCA, CAN, WSAF, ESAF and MDG (*medium confidence*). With Some regions are projected to be affected by more severe agricultural and ecological droughts at 1.5°C of global warming (MED, WSAF, ESAF, SAU, NSA, SAM, SSA, CNA, *medium confidence*). A larger number of regions are projected to be affected by more severe agricultural and ecological droughts at 2°C of global warming, including MED, WSAF, SAM and SSA (*high confidence*), and ESAF, MDG, EAU, SAU, SCA, CAR, NSA, NES, SWS, WCE, NCA, WNA and CNA (*medium confidence*).
11	Section 11.7.1	88:15	Delete “(Annex VI)”.
11	Section 11.7.1	88:17	After “internal variability acting on various time-scales”, insert “(Annex IV)”.
11	11.7.1.2	89:18	Replace “proportion of global category 3-5 TC estimates to all category 1-5 estimates” with “proportion of global category 3-5 TC instances (6-hourly intensity estimates during the lifetime of each TC) to all category 1-5 instances”
11	Section 11.7.1.2	89:47	Replace “rain-rates” by “rain rates”. [This needs to be corrected to reflect the comment ID 11739 (Chap 11 ID 2732).]
11	11.7.1.2	90:26	Replace “proportion of major TC intensities” with “global proportion of category 3-5 tropical cyclone instances”
11	Section 11.7.1.3	91:1	Add “Camargo 2013;” before “Wehner et al., 2015”. [This needs to be corrected to reflect the comment ID 41117 (Chap 11 ID 2635).]

11	Section 11.7.1.3	91:42	Replace “hurricane activity” by “hurricane frequency and intensity”. [This needs to be corrected to reflect the comment ID 107713 (Chap 11 ID 2626).]
11	11.7.1.4	93 : 38-39	Replace “Wehner et al. (2018)” by “Wehner et al. (2019)”
11	Section 11.7.1.4	93:16	Replace “BOX 11.3” by “BOX 11.4”.
11	Section 11.7.1.5	94:35	Add “Yamada et al., (2011)” after “Sugi et al., (2020)”. [This needs to be corrected to reflect the comment ID 26191 (Chap 11 ID 2677).]
11	11.7.1.4	94:4	Replace the sentence “A best estimate from a regional climate and flood model is that urbanization 4 increased the risk of the Harvey flooding by a factor of 21 (Zhang et al., 2018c)” with “Zhang et al., (2018c), using a regional climate and flood model, found that surface roughness from urbanization increased the risk of the Harvey flooding by a factor of 21.”
11	11.7.1.5	95 : 8	Replace “Lee et al., 2020” by “C.-Y. Lee et al., 2020”
11	Section 11.7.1.5	95:21	Add “Knutson et al., (2020)” after “Wehrner et al., (2018a)”. [This needs to be corrected to reflect the comment ID 26199 (Chap 11 ID 2687).]
11	11.7.1.5	95: 45	Replace “rainfall rates” with “rain-rates”
11	11.7.1.5	96:2	Replace “precipitation rates” with “precipitation-rates”
11	11.7.1.5	96: 43	Replace “rainfall rates” with “rain-rates”
11	Section 11.7.1.5	97:18-19	Replace “rain-rates” by “rain rates”. (2 places) [This needs to be corrected to reflect the comment ID 11739 (Chap 11 ID 2732).]
11	11.7.2.1	97:52	Replace “Wang et al. (2016),” by “Wang et al. (2016)” (i.e., remove comma).
11	11.7.2.1	97:53	Replace “(Reboita et al., 2015)” by “Reboita et al. (2015)”.
11	11.7.2.1	98:6	Remove line break between lines 6 to 8. “Overall…” should be right after “(Tilinina et al., 2013)”.
11	11.7.2.2	98:17	Replace “near-surface winds” by “near-surface wind speeds”.
11	11.7.2.4	99:34	Replace “per degree” by “per 1°C”.
11	Section 11.7.3.1	101:7	Add “to late July” after “early June”. [This needs to be corrected to reflect the comment ID 87395 (Chap 11 ID 2807).]
11	11.7.3.1	101 : 11	Replace “Kamae et al., 2017” by “Kamae et al., 2017a”
11	Section 11.7.3.1	101:12	Replace “Section 8.3.2.8.1” by “Section 8.3.2.8.2”.
11	11.7.3.3	102:39	Replace “below 5 km” by “finer than 4 km”.
11	11.7.3.3	102: 47	Replace “precipitation rate” with “precipitation-rate”
11	Section 11.7.3.4	103:24	Replace “BOX 11.3” by “BOX 11.4”.
11	11.7.3.5	103: 48	Replace “precipitation rates” with “precipitation-rates”
11	11.7.3.4	103:33	Remove “except for case study approaches by event attribution”.
11	11.7.3.5	104: 39	Replace “rain rates” with “rain-rates”
11	Section 11.7.4	105:7	Replace “12.5.2.4” by “12.5.2”.
11	11.7.4	105 : 26	Replace “Liu et al. (2016)” by “Q. Liu et al. (2016)”
11	11.8.1	106 : 40-41	Replace “Zscheischler et al., 2018” by “Zscheischler et al., 2019”
11	11.8	106:24	Replace « hazard « with « climatic impact-driver »
11	11.8	106:28	Replace « Hazards « with « Climatic impact-drivers »
11	11.8	106:30	Add following sentence at the end of the paragraph : « The present assessment focuses on the physical dimension of changes in compound events, as it is part of the IPCC Working group 1 report of AR6.»
11	11.8	106:51	Replace « risk » with « likelihood »
11	11.8	107:24	Add after « extremes » : « (see also Section 6.8.2 in IPCC SROCC report) »
11		107:42-44	Replace

			"'Combining global river discharge with a global storm surge model, hotspots of compound flooding have been discovered that are not well covered by observations, including Madagascar, Northern Morocco, Vietnam, and Taiwan (Couasnon et al., 2020)." with "Combining global river discharge with a global storm surge model, hotspots of compound flooding have been discovered that are not well covered by observations in some regions, including Madagascar, Northern Morocco, Vietnam, and Taiwan, China (Couasnon et al., 2020)."
11	11.8	108:22-24	Replace : There is *medium confidence* that the occurrence and magnitude of compound flooding in coastal regions will increase in the future due to both sea level rise and increases in heavy precipitation. With There is *high confidence* that the occurrence and magnitude of compound flooding in coastal regions will increase in the future due to both sea level rise and increases in heavy precipitation.
11	BOX 11.4	110:13	Replace "Annex VI.4" by "Annex IV.2.3".
11	BOX 11.4	110:20	Replace "(Newman et al. 2018))" by "(Newman et al. 2018)".
11	BOX 11.4	110:26	Replace "Annex VI.4.1" by "Annex IV.2.3".
11	BOX 11.4	112:32-34	After "(Kornhuber et al., 2019; Box 11.4, Figure 2).", add "A combination of the positive anomaly of the North Atlantic Oscillation (NAO, Annex IV.2.1) and the meandering jets is necessary to explain the pattern of the observed anomalies (Drouard et al. 2019)." [This needs to be added to reflect the comment ID 10995 (Chap 11 ID 3005).]
11	Box 11.4	112: 13	Replace "South Korea" With "Republic of Korea"
11	Box 11.4	112 : 12 112 : 19 112 : 31	Replace "Shimpo et al., 2019a" by "Shimpo et al., 2019"
11	BOX 11.4	113:7	After "Kawase et al. (2019) showed that the extreme rainfall in Japan during this event 6 was increased by approximately 7% due to recent rapid warming around Japan.", add "Imada et al. (2020) showed that the probability of the Heavy Rain Event of July 2018 in Japan was increased from 0.22% to 2.00% due to anthropogenic warming." Add the reference: Imada, Y., Kawase, H., Watanabe, M., Arai, M., Shiogama, H., and Takayabu, I. (2020). Advanced risk-based event attribution for heavy regional rainfall events. npj Clim. Atmos. Sci. 3, 37. doi:10.1038/s41612-020-00141-y. [This needs to be added to reflect the comment ID 68503 (Chap 11 ID 3013).]
11	BOX 11.4	113:5	Replace "extremely hot days" by "extreme hot days". [This needs to be corrected to reflect the comment ID 62723 (Chap 11 ID 3021).]
11	BOX 11.4	113:18	Replace "risk" by "concerns". [This needs to be corrected to reflect the comment ID 44407 (Chap 11 ID 3022).]
11	Section 11.9	113:50	Call out to the Regional Synthesis table was omitted in the FGD. Please add the following text to this section: "A synthesis of regional changes in hot extremes, heavy precipitation, agricultural and ecological droughts, and hydrological droughts, can be found in the Chapter 11 Appendix in Table 11.A.2."

11	Section 11.9	113:50	A call out to a different version of the large tables was erroneously included here. Remove: “Expanded versions of the tables with full evidence and rationale for assessments are provided in the Chapter Appendix (Tables 11.A.4-11.A.21).”
11	11.9.2	114 : 40	Replace “Wang et al. (2017)” by “Z. Wang et al. (2017a)”
11	11.9.3	115 : 5	Replace “Sun et al. (2020)” by “Sun et al. (2020b)”
11	11.9.4	115 : 25 115 : 45 115 : 48	Replace “Xu et al. (2019)” by “L. Xu et al. (2019)”
11	11.9	115:33-34	Replace : Agricultural and ecological droughts are assessed based on observed and projected changes in total column soil moisture, With Agricultural and ecological droughts are primarily assessed based on observed and projected changes in total column soil moisture,
11	11.9	115:38-39	Replace : In arid regions in which AED-based metrics can increase strongly in projections, more weight is given to soil moisture projections. With Medium to high confidence in drying was assigned in the assessment for arid regions if a signal was also identifiable in total soil moisture in addition to surface soil moisture or metrics that combine AED and precipitation, which tend to dry more in these regions.
11	11.9.4	115 : 53-54	Replace “Vicente-Serrano et al. (2020)” by “Vicente-Serrano et al. (2020c)”
11	11.9.4	116 : 10	Replace “Zhai et al. (2020)” by “”J. Zhai et al. (2020)”
11	Table 11.3	116	Replace “Xu et al. (2019)” by “L. Xu et al. (2019)” Replace “Vicente-Serrano et al. (2020)” by “Vicente-Serrano et al. (2020c)”
11	FAQ 11.1	117:41	Replace “changes to on be only” with “changes over the globe by only”
11	Large tables	122	Replace color range for droughts with that for temperature extremes and heavy precipitation for consistency (same color for « high confidence »)
11	Large tables	122	In color scale for temperature extremes and heavy precipitation, add heavy precipitation in labels left : Red scale : Increasing hot extremes, decreasing cold extremes, decreasing heavy precipitation Blue scale : « Decreasing hot extremes, increasing cold extremes, increasing heavy precipitation »
11	Table 11.4	123 (attribution, MED)	Replace “Human influence likely contributed to the“ by “*Likely* human contribution to the”
11	Table 11.5	131	Remove “U.S. Department of Agriculture Economic Research Service, 2016”
11	Table 11.6	137 (observed trends, HYD, WAF)	Replace “LimitedLimited” by “Limited”.
11	Table 11.6	140	Replace “Naik and Abiodun, 2019” by “Naik and Abiodun, 2020”
11	Table 11.7	151	Replace “Kumar, 2017” by “Pattanayak et al. (2017)”
11	Table 11.12	181 (observed trends, MET, NAU)	Remove one space after intensity.
11	Table 11.12	182 (ALL projections, MET, NAU)	Remove “in meteorological droughts”.
11	Table 11.12	182 (1.5 projection, AGR/ECO, NAU)	Replace “non-robust” by “non-robust change”.

11	Table 11.12	183 (observed trends, MET, EAU)	"Trends" should be in bold.
11	Table 11.12	184 (attribution, MET, SAU)	Text background should be grey.
11	Large tables	184	Fix background color for entry for SAU, « met drought », attribution (should be grey)
11	Table 11.13	193	Remove "1980-2014"
11	Large tables	199, Carribean, agricultural and ecological drought, 2°C	Replace: **Increase**, but including mixed signal in changes of drought severity, with inconsistent trends in total soil moisture, With "**Increase**, but including mixed signal in changes of drought severity, with median decrease in total soil moisture in large sample of CMIP6 simulations but substantial spread between models
11	Table 11.17	209	Remove "U.S. Department of Agriculture Economic Research Service, 2016"
11	Large tables	215, WCE, AGR/ECOL, OBS	Replace: "despitesome" With "despite some"
11	Large tables	228, NCA, AGR/ECOL, OBS	Change background shading to grey
11	Reference list	234-313	Editorail: Re-format reference list to IPCC WGI format
11	11.A	315	Move Figure 11.SM.1 to the Appendix (as Figure 11.A.1)
11	11.A		Table 11.A.2 was omitted in the FGD. Add Table 11.A.2 to the Ch11 Appendix Caption should read "Table A.11.2. Synthesis table summarising assessments presented in Tables 11.4-11.21 for hot extremes (HOT EXT.), heavy precipitation (HEAVY PRECIP.), agriculture and ecological droughts (AGR./ECOL. DROUGHT), and hydrological droughts (HYDR. DROUGHT). It shows the direction of change and level of confidence in the observed trends (column OBS.), human contribution to observed trends (ATTR.), and projected changes at 1.5°C, 2°C and 4°C of global warming for each AR6 region. Projections are shown for two different baseline periods, 1850-1900 (pre-industrial) and 1995-2014 (modern or recent past)(see section 1.4.1 for more details). Direction of change is represented by an upward arrow (increase) and a downward arrow (decrease). Level of confidence is reported for LOW: *low*, MED.: *medium*, HIGH: *high*; levels of likelihood (only in cases of *high confidence*) include: L: *likely*, VL: *very likely*, EL: *extremely likely*, VC: *virtual certain*. See section 11.9, Tables 11.4-11.21 for details. Dark orange shading highlights *high confidence* (also including *likely*, *very likely*, *extremely likely* and *virtually certain* changes) increases in hot temperature extremes, agricultural and ecological drought, or hydrological droughts. Light orange indicates *medium confidence* increases in these extremes, and blue shadings indicate decreases in these extremes. *High confidence* increases in heavy precipitation are highlighted in dark blue, while *medium confidence* increases are highlighted in light blue. No assessment for changes in drought with respect to the 1995-2014 baseline is provided, which is why the respective cells are empty."

11	Figure 11.1	316	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
11	Figure 11.2	317:6	Replace “means based” with “means and are based”
11	Figure 11.3	318:9	Add “TXx changes are also displayed in the Interactive Atlas.” before “For details…”.
11	Box 11.1, Figure 1	320:6	Replace “derivefd” with “derived”
11	Box 11.1, Figure 1	320:8	Replace “on sign” with “on the sign”
11	Box 11.1, Figure 1	320:10	Replace “on sign” with “on the sign”
11	Box 11.1, Figure 1	320:12	Replace “from (Pfahl et al., 2017)” with “from Pfahl et al. (2017)”
11	Figure 11.6	322:15	Replace “from (Li et al., 2020a).” with “from Li et al. (2020a).”
11	Figure 11.7	322:13	Replace “from (Li et al., 2020a).” with “from Li et al. (2020a).”
11	Figure 11.8	324:9	Replace “1851” with “1850”
11	Figure 11.8	324:11	Replace “Seneviratne and Hauser, 2020)” with “Seneviratne and Hauser, (2020)”
11	Cross-Chapter Box 11.1, Figure 1	325:7	Replace “1.5” with “1.5°C”
11	Cross-Chapter Box 11.1, Figure 1	325:10-11	Replace “(James, Washington, Schleussner, Rogelj, & Conway, 2017) and (Rogelj, 2013)” with “James, Washington, Schleussner, Rogelj, & Conway (2017) and Rogelj (2013)”
11	Cross-Chapter Box 11.1, Figure 2	326:3	Replace “GWL” with “global warming level (GWL)”
11	Cross-Chapter Box 11.1, Figure 2	326:17	Replace “than variability” with “than the variability”
11	Cross-Chapter Box 11.1, Figure 2	326:18	Replace “on sign” with “on the sign”
11	Cross-Chapter Box 11.1, Figure 2	326:21	Replace “than variability” with “than the variability”
11	Cross-Chapter Box 11.1, Figure 2	326:22	Replace “on sign” with “on the sign”
11	Cross-Chapter Box 11.1, Figure 3	327:3	Replace “GWL” with “global warming level (GWL)”
11	Cross-Chapter	327:6	Replace “CMIP6” with “CMIP5”

	Box 11.1, Figure 3		
11	Cross-Chapter Box 11.1, Figure 3	327:8	Replace “include different” with “include a different”
11	Figure 11.9:	328:11	Replace “at p” with “at the p”
11	Figure 11.10	329:3	Replace “(°C)” with “(°C)”
11	Figure 11.11	330:4	Replace “1851” with “1850”
11	Figure 11.11	330:9	Replace “on sign” with “on the sign”
11	Figure 11.11	330:10	Replace “on sign” with “on the sign”
11	Figure 11.11	330:12	Add “TXx and TNn changes are also displayed in the Interactive Atlas.” before “Further details…”.
11	Figure 11.12	331:12-13	Replace “from (Li et al., 2020a).” with “from Li et al. (2020a).”
11	Figure 11.16	335:4	Replace “1851” with “1850”
11	Figure 11.16	335:9	Replace “on sign” with “on the sign”
11	Figure 11.16	335:10	Replace “on sign” with “on the sign”
11	Figure 11.16	335:11	Add “Rx1day changes are also displayed in the Interactive Atlas.” before “Further details…”.
11	Figure 11.17:	336:12	Replace “at p” with “at the p”
11	Figure 11.18	337:9	Replace “warming” with “global warming”
11	Figure 11.18	337:13	Replace “10th” with “10th”
11	Figure 11.18	337:20	Replace “interannualvariability” with “interannual variability”
11	Figure 11.18	337:20	Replace “modelFor” with “model. For”
11	Figure 11.9 caption	338:9	After “compared to the 1851-1900 baseline”, add “The unit for soil moisture change is the standard deviation of interannual variability in soil moisture during 1850-1900. Standard deviation is a widely used metric in characterizing drought severity. A projected reduction in mean soil moisture by one standard deviation corresponds to soil moisture conditions typical of about 1-in 6 year droughts during 1850-1900 becoming the norm in the future.”
11	Figure 11.19	338:8	Replace “1851” with “1850”
11	Figure 11.19	339:1	Replace “on sign” with “on the sign”
11	Figure 11.19	339:2-3	Replace “on sign” with “on the sign”
11	Figure 11.19	339:4	Add “CDD changes are also displayed in the Interactive Atlas.” before “Further details…”.
11	Figure 11.20	340	Replace “precipitation rates” with “precipitation-rates”
11	Box 11.4, Figure 1	341:4	Replace “orange” with “blue”

11	Box 11.4, Figure 1	341:5	Replace “on sign” with “on the sign”
11	Box 11.4, Figure 1	341:5	Delete “The more appropriate estimate is the corrected normalization.”
11	Box 11.4, Figure 1	341:6-8	Replace “These panels show for both estimates a substantial increase in the overall land area affected by very high hot extremes since 1990 onward.” With “This figure shows a substantial increase in the overall land area affected by very strong hot extremes since 1990.”
11	FAQ 11.1, Figure 1:	343:	Replace “refer” with “refers”
11	FAQ 11.1, Figure 1:	343:	Replace “largest daily rainfall in a year” with “largest daily precipitation in a year”
11	FAQ 11.1, Figure 1:	343:	Replace “CMIP6 ensemble mean” with “CMIP6 ensemble median”

Caption: Table A.11.2. Synthesis table summarising assessments presented in Tables 11.4-11.21 for hot extremes (HOT EXT.), heavy precipitation (HEAVY PRECIP.), agriculture and ecological droughts (AGR./ECOL. DROUGHT), and hydrological droughts (HYDR. DROUGHT). It shows the direction of change and level of confidence in the observed trends (column OBS.), human contribution to observed trends (ATTR.), and projected changes at 1.5°C, 2°C and 4°C of global warming for each AR6 region. Projections are shown for two different baseline periods, 1850-1900 (pre-industrial) and 1995-2014 (modern or recent past)(see section 1.4.1 for more details). Direction of change is represented by an upward arrow (increase) and a downward arrow (decrease). Level of confidence is reported for LOW: *low*, MED.: *medium*, HIGH: *high*; levels of likelihood (only in cases of *high confidence*) include: L: *likely*, VL: *very likely*, EL: *extremely likely*, VC: *virtual certain*. See section 11.9, Tables 11.4-11.21 for details. Dark orange shading highlights *high confidence* (also including *likely*, *very likely*, *extremely likely* and *virtually certain* changes) increases in hot temperature extremes, agricultural and ecological drought, or hydrological droughts. Light orange indicates *medium confidence* increases in these extremes, and blue shadings indicate decreases in these extremes. *High confidence* increases in heavy precipitation are highlighted in dark blue, while *medium confidence* increases are highlighted in light blue. No assessment for changes in drought with respect to the 1995-2014 baseline is provided, which is why the respective cells are empty.

Sub-Region		OBS.	ATTR.	1.5°C	2°C	4°C		1.5°C	2°C	4°C
				BASELINE: PRE-INDUSTRIAL				BASELINE: 1995-2014		
Mediterranean (same region as for Europe) MED	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ HIGH		LOW	↑ MED.	↑ HIGH
	AGR./ECOL. DROUGHT	↑ MED.	↑ MED.	↑ MED.	↑ HIGH	↑ V. L.				
	HYDR. DROUGHT	↑ HIGH	↑ MED.	↑ MED.	↑ HIGH	↑ V. L.				
Sahara SAH	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
West-Africa WAF	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	↑ MED.	LOW	LOW	LOW	LOW				
N.Eastern-Africa NEAF	HOT EXT.	↑ MED.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	↓ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↓ MED.				
Central-Africa CAF	HOT EXT.	LOW	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.Eastern-Africa SEAF	HOT EXT.	↑ MED.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
W.Southern-Africa WSAF	HOT EXT.	↑ L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	LOW	↑ MED.	↑ L.		LOW	LOW	↑ HIGH
	AGR./ECOL. DROUGHT	↑ MED.	LOW	↑ MED.	↑ HIGH	↑ L.				
	HYDR. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ MED.				
E.Southern-Africa ESAF	HOT EXT.	↑ L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	↑ MED.	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ MED.				
Madagascar MDG	HOT EXT.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ HIGH	↑ L.	↑ E. L.		MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
Russian Artic RAR	HOT EXT.	↑ V. L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
Arabian-Peninsula ARP	HOT EXT.	↑ V. L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ V. L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
W.C.Asia WCA	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	LOW	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
W.Siberia WSB	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
E.Siberia ESB	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
Russian-Far-East RFE	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
E.Asia EAS	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	LOW	↑ MED.				
	HYDR. DROUGHT	↑ MED.	LOW	LOW	LOW	LOW				
E.C.Asia ECA	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
Tibetan-Plateau TIB	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.Asia SAS	HOT EXT.	↑ HIGH	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	↓ MED.				

	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.E.Asia SEA	HOT EXT.	↑ HIGH	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
N.Australia NAU	HOT EXT.	↑ HIGH	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ MED.	↑ HIGH	↑ V. L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	↓ MED.	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
C.Australia CAU	HOT EXT.	↑ L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ V. L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
E.Australia EAU	HOT EXT.	↑ L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	↑ MED.	↑ L.		LOW	LOW	↑ HIGH
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.Australia SAU	HOT EXT.	↑ L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	↑ MED.	↑ L.		LOW	LOW	↑ HIGH
	AGR./ECOL. DROUGHT	↑ MED.	LOW	↑ MED.	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	↑ MED.	LOW	LOW	↑ MED.	↑ MED.				
New-Zealand NZ	HOT EXT.	↑ L.	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	HEAVY PRECIP.	LOW	LOW	LOW	↑ MED.	L.		LOW	LOW	HIGH
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.Central-America SCA	HOT EXT.	↑ MED.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	LOW	↑ MED.		LOW	LOW	LOW
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
Caribbean CAR	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	LOW	LOW		LOW	LOW	LOW
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
N.W.South-America NWS	HOT EXT.	↑ L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	LOW	LOW		LOW	LOW	LOW
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
N.South-America NSA	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ MED.	↑ MED.		LOW	↑ MED.	↑ MED.
	AGR./ECOL. DROUGHT	LOW	LOW	↑ MED.	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ HIGH				
South-American-Monsoon SAM	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ MED.	↑ MED.		LOW	↑ MED.	↑ MED.
	AGR./ECOL. DROUGHT	LOW	LOW	↑ MED.	↑ HIGH	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ HIGH				
N.E.South-America NES	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ MED.	↑ MED.		LOW	↑ MED.	↑ MED.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	↑ MED.	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
S.W.South-America SWS	HOT EXT.	↑ L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	LOW	LOW	LOW		LOW	LOW	LOW
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ HIGH				
S.E.South-America SES	HOT EXT.	↑ HIGH	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	LOW	↑ MED.	↑ HIGH	↑ L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	↓ MED.	LOW	LOW	LOW	LOW				
S.South-America SSA	HOT EXT.	LOW	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ V. L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	LOW	LOW	↑ MED.	↑ HIGH	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ HIGH				
Greenland/Iceland GIC	HOT EXT.	↑ V. L.	↑ MED.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
Mediterranean (same region as for Africa)	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ HIGH		LOW	↑ MED.	↑ HIGH
	AGR./ECOL. DROUGHT	↑ MED.	↑ MED.	↑ MED.	↑ HIGH	↑ V. L.				
	HYDR. DROUGHT	↑ HIGH	↑ MED.	↑ MED.	↑ HIGH	↑ V. L.				
West&Central-Europe WCE	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ MED.	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	↑ MED.	LOW	LOW	↑ MED.	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ MED.				
E.Europe EEU	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
N.Europe NEU	HOT EXT.	↑ V. L.	↑ L.	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	↑ HIGH	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	↓ MED.	LOW	LOW	LOW	↑ MED.				
N.Central-America NCA	HOT EXT.	↑ L.	↑ MED.	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	HEAVY PRECIP.	LOW	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	↑ MED.	↑L.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
W.North-America WNA	HOT EXT.	↑ L.	↑ MED.	↑ V.L.	↑ E.L.	↑ V.C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ MED.	↑ HIGH	↑ V. L.		LOW	↑ MED.	↑ L.
	AGR./ECOL. DROUGHT	↑ MED.	↑ MED.	LOW	↑ MED.	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	↑ MED.	↑ MED.				
C.North-America CNA	HOT EXT.	LOW	LOW	↑ V.L.	↑ E.L.	↑ V.C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	↑ MED.	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	↑ MED.	↑ MED.	↑ HIGH				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
E.North-America ENA	HOT EXT.	LOW	LOW	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	↑ HIGH	LOW	↑ HIGH	↑ L.	↑ E. L.		↑ MED.	↑ HIGH	↑ V. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	↑ MED.				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
N.E.North-America NEN	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.
	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				
N.W.North-America	HOT EXT.	↑ V. L.	↑ HIGH	↑ V. L.	↑ E. L.	↑ V. C.		↑ L.	↑ V. L.	↑ V. C.
	HEAVY PRECIP.	LOW	LOW	↑ L.	↑ V. L.	↑ V. C.		↑ HIGH	↑ L.	↑ E. L.

NWN	AGR./ECOL. DROUGHT	LOW	LOW	LOW	LOW	LOW				
	HYDR. DROUGHT	LOW	LOW	LOW	LOW	LOW				

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 12

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
12	Title page	1:13	Replace “Guofinna Aoalgeirsdottir” by “Guðfinna Aðalgeirsdóttir” (please check against preferred spelling
12	ES.	7:33	Add “(medium confidence)” after “of Europe”
12	ES	8:27	Replace ".." by “.”
12	12.1	10:41	Remove “and the associated ECVs”
12	Table 12.1	12:11 (hydrological drought row)	Replace “Episodic combination of runoff deficit and evaporative demand that lead to dry soil." By “"Episodic combination of runoff deficit and evaporative demand that affects surface water or groundwater availability."
12	Table 12.1	12 “Severe wind storm” row	Change: “Severe storms including thunderstorms, wind gusts, derechos, and tornados.” To: “**Episodic** severe storms including extratropical cyclone wind storms, thunderstorms, wind gusts, derechos and tornados”
12	12.2	13 : 15	Replace “Wang et al., 2019c” by “S.S-Y. Wang et al., 2019”
12	12.3	Table 12.2	Ensure “flood” is visible in column header (currently buried due to a word wrap)
12	12.3.1.1	16 : 42	Replace “Chen et al., 2019b” by “X. Chen et al., 2019”
12	12.3.1.1	16 : 45	Replace “Li et al., 2018b” by “G. Li et al., 2018”
12	12.3.1.2	17 : 29	Replace “Li et al., 2018c” by “J. Li et al., 2018”
12	12.3.1.2	17 : 36	Replace “Zhao et al., 2016b” by “Y. Zhao et al., 2016”
12	12.3.1.2	17 : 49	Add “Teixeira et al., 2013” to citation
12	12.3.1.2	17 : 55	Replace “Pragna et al., 2017” by “Pragna et al., 2016”
12	12.3.1.2	18 : 12	Replace “Zhou et al., 2018b” by “T. Zhou et al., 2018”
12	12.3.1.2	18 : 14	Replace “Gao et al., 2018b” by “X. Gao et al., 2018”
12	12.3.1.3	18 : 32	Replace “Li et al., 2013b, 2018c” by “T. Li et al., 2013; J. Li et al., 2018” Replace “Zhu et al., 2019a” by “T. Li et al., 2013; J. Zhu et al., 2019”
12	12.3.1.4	18 : 41	Replace “Vincent et al., 2018c” by “L.A. Vincent et al., 2018”
12	12.3.1.4	18 : 46	Replace “Crimp et al., 2016” by “Crimp et al., 2016a” Replace “Li et al., 2018c” by “G. Li et al., 2018”
12	12.3.1.4	19 : 8	Replace “Zhao et al., 2016a” by “Zhao et al., 2016”
12	12.3.2.1	19 : 56	Replace “Schewe et al., 2014a” by “Schewe et al., 2014”
12	12.3.2.4	21 : 7	Replace “Haeberli et al., 2017a” by “Haeberli et al., 2017”
12	12.3.2.5	21 : 13-14	Replace “Cook et al., 2020a” by “B.I. Cook et al., 2020a”
12	12.3.2.5	21 : 16	Replace “Huang et al., 2016b” by “Huang et al., 2016a”
12	12.3.2.5	21 : 21	Replace “Schewe et al., 2014b” by “Schewe et al., 2014”
12	12.3.2.7	21 : 44-45	Replace “Williams et al., 2013” by “Park Williams et al., 2013” Replace “C.D. Allen et al., 2015a” by “C.D. Allen et al., 2015”
12	12.3.3.1	22 : 29-30	Replace “Li et al. (2020)” by “D. Li et al. (2020)” Replace “Karnauskas et al. (2018)” by “Karnauskas et al. (2018a)”
12	12.3.3.2	22 : 41	Replace “Wang et al., 2013a” by “C.-H. Wang et al., 2013”
12	12.3	23:42	Replace “where WBGT <" by "where wet bulb globe temperature (WBGT) <"
12	12.3.4.1	23 : 43	Replace “Wobus et al., 2017” by “Wobus et al., 2017b”
12	12.3.4.1	23 : 47	Replace “Lee et al., 2017a” by “J.R. Lee et al., 2017”
12	12.3.4.3	24 : 18	Replace “AMAP, 2017a” by “AMAP, 2017” (whole report not the report’s SPM)
12	12.3.5.2	25 : 46-47	Replace “Walsh et al., 2016b” by “K. Walsh et al., 2016”

12	12.3.5.2	25 : 51	Replace “Ahmed et al., 2019b” by “N. Ahmed et al., 2019”
12	12.3.6.1	26 : 30	Replace “Ahmed et al., 2019b” by “N. Ahmed et al., 2019”
12	12.3.6.1	26 : 34-35	Replace “Wang et al., 2015” by “D. Wang et al,. 2015”
12	12.3.6.3	27 : 5-6	Replace “Behrenfield et al., 2016a” by “Behrenfield et al., 2016b” Replace “Ahmed et al., 2019b” by “N. Ahmed et al., 2019”
12	12.3.7.2	28 : 2	Replace “Behrenfield et al., 2016a” by “Behrenfield et al., 2016b”
12	12.3.7.2	28 : 10	Replace “Li et al., 2016c; Lee et al., 2017b” by “X. Li et al., 2016; M.A Lee et al., 2017”
12	12.3.7.4	28 : 34	Replace “IPCC, 2012a” by “IPCC, 2012”
12	12.3.7.4	28 : 36	Replace “Kornhuber et al., 2019” by “Kornhuber et al., 2020”
12	12.4	29:24	Replace “CCBox 10.3” by “Cross-chapter Box 10.3”
12	12.4 intro	31.18	Replace “absent” by “without”
12	12.4 intro	31.22	Replace “absent” by “without”
12	12.4	31 : 32	Replace “Tang et al., 2019b” by “C. Tang et al., 2019”
12	12.4	31 : 35	Replace “Ruosteenoja et al., 2019a” by “Ruosteenoja et al., 2019b”
12	12.4	31 : 36-37	Replace “Zhang et al., 2018a” by “F. Zhang et al., 2018”
12	12.4.1	32 : 25 32 : 35	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	*12.4.1.1*	32:54-56	Replace “By the end of century under RCP8.5 or SSP5-8.5, all African regions will *very likely* experience a warming larger than 3°C except Central Africa where warming is *very likely* expected above 2.5°C under, while under RCP2.6 or SSP1-2.6, the warming remains *very likely* limited to below 2°C (Figure Atlas.19)” by “By the end of century under RCP8.5 or SSP5-8.5, all African regions will *very likely* experience a warming larger than 3°C except Central Africa where warming is *very likely* expected above 2.5°C, while under RCP2.6 or SSP1-2.6, the warming remains *very likely* limited to below 2°C (Figure Atlas.19)”
12	12.4.1	32:56	Replace “Figure Atlas.19” by “Figure Atlas.12”
12	12.4.1	33:2	Replace “Figure Atlas.19” by “Figure Atlas.12”
12	12.4.1.1	33 : 22	Replace “Sun et al., 2019b” by “Q. Sun et al., 2019”
12	12.4.1	34:7	Replace “Atlas 1.1.5” by “Atlas 4.4”
12	12.4.1.1	34 : 16	Replace “Li et al., 2016a” by “C.-J. Li et al., 2016”
12	12.4.1.1	34 : 26	Replace “Arnell et al., 2014” by “Arnell et al., 2013”. DOI: 10.1016/j.jhydrol.2013.02.010.
12	12.4.1.1	34 : 38-39	Replace “Hirabayashi et al., 2013b” by “Hirabayashi et al., 2013”
12	*12.4.1.2*	34:23-27	Replace “Under future climate scenarios, the extreme river discharge as characterized by the 30 year return period of 5-day average peak flow, is projected to increase by end of century for the RCP8.5 (more than 10% relative to 1960-1999 period) for most of the tropical African river basins (Dankers et al., 2014) and a consistent increase of flood magnitude across humid tropical Africa by 2050 for the AIB scenario (Arnell et al, 2014) (*medium confidence*) (Figure 12.5)” by “Under future climate scenarios, the extreme river discharge as characterized by the 30 year return period of 5-day average peak flow, is projected to increase by end of century for RCP8.5 (more than 10% relative to 1971-2000 period) for most of the tropical African river basins (Dankers et al., 2014) and a consistent increase of flood magnitude across humid tropical Africa by 2050 for the A1B scenario (Arnell and Gosling, 2013) (*medium confidence*) (Figure 12.5)”
12	*12.4.1.2*	34:48-50	Replace “In West Africa and Central Africa, there is *high confidence* that the intensity of extreme precipitation will increase in future climate under both RCP4.5 and RCP8.5 scenarios and 1.5oC and 2oC global warming levels threatening for widespread flood occurrences before, during and after the mature monsoon season”

			by “In West Africa and Central Africa, there is *high confidence* that the intensity of extreme precipitation will increase in future climate under both RCP4.5 and RCP8.5 scenarios and 1.5oC and 2oC global warming levels threatening for widespread flood occurrences before, during and after the mature monsoon season (Chapter 11).
12	*12.4.1.2*	34:51-52	Replace “Extreme precipitation is also increasing in several other regions like SAH, NEAF, SEAF, ESAF and Madagascar (*high confidence*) for 2oC GWL and higher (Chapter 11)” by “Extreme precipitation intensity is also increasing in several other regions like SAH, NEAF, SEAF, ESAF and Madagascar (*high confidence*) for 2oC GWL and higher (Chapter 11)”
12	*12.4.1.2*	34:54-55	Replace “**Landslide**: There is an increase in reported landslides in WAF, CAF, NEAF and SEAF in the past decades but low evidence of significant trends (Gariano and Guzzetti, 2016; Haque et al., 2019)” by “**Landslide**: There is an increase in reported landslides in WAF, CAF, NEAF and SEAF in the past decades but with low evidence of significant trends (Gariano and Guzzetti, 2016; Haque et al., 2019)”
12	12.4.1.1	35 : 10	“Sylla et al., 2016” should be DOI: 10.1007/s10584-015-1522-z
12	12.4.1.1	35 : 18	Replace “Cook et al., 2020” by “B.I. Cook et al., 2020”
12	12.4.1.1.	35 : 36	Replace “Coppola et al., 2021” by “Coppola et al., 2021”
12	12.4.1.1	35 : 36	Replace “Liu et al. (2018)” by “Liu et al. (2018b)””
12	*12.4.1.2*	35:9-11	Replace “A growing number of studies provide further regional context on expanding aridity in several places in East and West Africa, respectively (Sylla et al., 2016; Liu et al., 2018b; Haile et al., 2020)” by “A growing number of studies provide further regional context on expanding aridity in several places in East and West Africa, respectively (Sylla et al., 2016a; Liu et al., 2018b; Haile et al., 2020)”
12	*12.4.1.2*	35:15-17	Replace “Recent regional modeling studies project substantial increases in hydrological drought affecting major West African river basins under 1.5oC and 2oC global warming levels and RCP4.5 and RCP8.5 scenarios; however there remains *low confidence* in future projections given disagreement with global model runoff projections (e.g., Cook et al., 2020) (*low confidence*) ” by “Recent regional modeling studies project substantial increases in hydrological drought affecting major West African river basins under 1.5oC and 2oC global warming levels and RCP4.5 and RCP8.5 scenarios (Sylla et al. 2018b; Oguntunde et al. 2018; 2020); however there remains *low confidence* in future projections given disagreement with global model runoff projections (e.g., Cook et al., 2020)”
12	*12.4.1.2*	35:32-36	Replace “Section 11.9 assesses increases in agricultural and ecological drought at 2°C global warming level for North Africa and West Southern Africa (*high confidence*) and for East Southern Africa and Madagascar (*medium confidence*), with confidence generally rising for higher emissions scenarios (see also Sylla et al., 2016; Zhao and Dai, 2017; Diedhiou et al., 2018; Abiodun et al., 2019; Todzo et al., 2020; Coppola et al., 2021)” By “Section 11.9 assesses increases in agricultural and ecological drought at 2°C global warming level for North Africa and West Southern Africa (*high confidence*) and for East Southern Africa and Madagascar (*medium confidence*), with confidence generally rising for higher emissions scenarios

			(see also Sylla et al., 2016b; Zhao and Dai, 2017; Diedhiou et al., 2018; Abiodun et al., 2019; Todzo et al., 2020; Coppola et al., 2021)"
12	*12.4.1.2*	36:21	Remove "SRES"
12	12.4.1.3	36 : 16	Replace "Taylor et al., 2017b" by "C.M. Taylor et al., 2017"
12	12.4.1.3	36 : 21	Replace "Cavicchia et al." by "Cavicchia et al., 2014"
12	12.4.1.4	37:9	Please delete "in 2015": Replace "Glaciers in the Low Latitude region will lose 67 ± 42%, 86 ± 24% and 94 ± 13% of their mass **in 2015** by the end of the century for RCP4.5, RCP6.0 and RCP8.5 scenarios, respectively" By "Glaciers in the Low Latitude region will lose 67 ± 42%, 86 ± 24% and 94 ± 13% of their mass by the end of the century for RCP4.5, RCP6.0 and RCP8.5 scenarios, respectively"
12	*12.4.1.5*	37:50-52	Replace "**Coastal erosion**: Shoreline retreat rates upto 1 m yr-1 have been observed around the continent during 1984 – 2015, except in ESAF which has experienced a shoreline progration rate of 0.1 m/r over the same period (Luijendijk et al., 2018; Mentaschi et al., 2018)" By "**Coastal erosion**: Shoreline retreat rates up to 1 m yr-1 have been observed around the continent during 1984 – 2015, except in ESAF which has experienced a shoreline progradation rate of 0.1 m/r over the same period (Luijendijk et al., 2018; Mentaschi et al., 2018)"
12	12.4.1.5	38 : 6	Replace "Vasdoukas et al. (2020)" by "Vasdoukas et al. (2020b)"
12	Table 12.3 caption	38:44	Replace "SSP3-4.5 by "SSP2-4.5"
12	12.4.2	40 : 1 40 : 11	Replace "Vasdoukas et al. (2020)" by "Vasdoukas et al. (2020b)"
12	12.4.2.1	40 : 24-25	Replace "Dong et al., 2018a" by "S. Dong et al., 2018" Replace "Zhang et al., 2019a" by "M. Zhang et al., 2019"
12	12.4.2.1	40 : 28	Replace "Li et al., 2019a; Zhang et al., 2019a" by "L. Li et al., 2019; M. Zhang et al., 2019"
12	12.4.2.1	40 : 34	Replace "Lu et al., 2019a" by "C. Lu et al., 2019"
12	12.4.2.1	40 : 42	Replace "Sun et al., 2019c" by "Y. Sun et al.., 2019"
12	12.4.2.1	41 : 6	Replace "Khlebnikova et al., 2019a" by "Khlebnikova et al., 2019b"
12	12.4.2.1	41 : 10	Replace "Dong et al., 2018a" by "S. Dong et al., 2018"
12	12.4.2.1	41 : 16	Replace "Guo et al., 2018b" by "J. Guo et al., 2018" Replace "Li et al., 2019a" by "L. Li et al., 2019"
12	12.4.2.1	41 : 16	Replace "Wang et al., 2017c" by "L. Wang et al., 2017"
12	12.4.2.2	41 : 33	Replace "Wang et al., 2015b, 2019a" by "W. Wang et al., 2015; H. Wang et al., 2019"
12	12.4.2.2	41 : 38	Replace "Zhu et al., 2019b" by "X. Zhu et al., 2019"
12	12.4.2.2	42 : 25	Replace "Chen et al., 2019a" by "C.-.W. Chen et al., 2019"
12	12.4.2.2	42 : 30	Replace "Ahmed et al., 2018, 2019a" by "K. Ahmed et al., 2018, 2019"
12	12.4.2.2	42:34	Replace "slight drying" with "drying tendency" (to be more consistent with Villafuerte et al. 2014)
12	12.4.2.2	42 : 40	Replace "Wang et al., 2015b, 2019a" by "W. Wang et al., 2015; H. Wang et al., 2019"
12	12.4.2.2	42 : 42	Replace "Khlebnikova et al., 2019b" by "Khlebnikova et al., 2019a"
12	12.4.2.2	42 : 49	Replace "Li et al., 2019b" by "Y. Li et al., 2019"
12	12.4.2.2	42:35	Replace "in Philippines" with "in the Philippines" (editorial correction)
12	12.4.2.2	43 : 17	Replace ""Zhang et al., 2018b by "G. Zhang et al., 2018"
12	12.4.2.2	43 : 34	Replace "Sun et al., 2019b" by "Q. Sun et al., 2019"

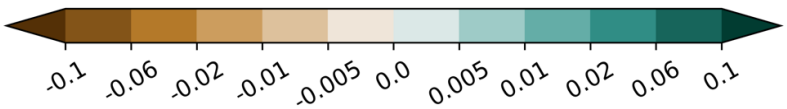
12	12.4.2.3	44:24	Remove citation of Cinco et al. 2016 (since this paper is focused on the Philippines, not SAS and southern China)
12	12.4.2.3	44:38	Ensure that Wang et al. 2017b refers to Wang, Liang and Hodges (2017) since there are 3 instances of Wang et al. 2017 in the reference list
12	12.4.2.3	49 : 54	Replace “Wu et al., 2018b” by “J. Wu et al., 2018” Replace “Zhang et al., 2019b” by “R. Zhang et al., 2019”
12	12.4.2.3	44 : 3-4	Replace “Wu et al., 2020a” by “J. Wu et al., 2020”
12	12.4.2.3	44 : 18	Replace “Walsh et al., 2016a” by “K.J.E Walsh et al., 2016”
12	12.4.2.3	44 : 21	Replace “Sun et al., 2019a” by “J. Sun et al., 2019”
12	12.4.2.3	44 : 28	Replace “Fan et al., 2020” by “Xiao-tin et al., 2020”
12	12.4.2.3	44 : 38	Replace “Wang et al., 2017b” by “C. Wang et al., 2017”
12	12.4.2.3	44 : 49	Replace “Wu et al., 2018a” by “C. Wu et al., 2018”
12	12.4.2.4	45 : 3-4	Replace “Wang et al., 2017c” by “X. Wang et al., 2017a”
12	12.4.2.4	45 : 21	Replace “Pritchard 2019” by “Pritchard, 2017”. DOI:10.1038/nature22062.
12	12.4.2.4	45 : 22	Replace “Dong et al., 2018b” by “W. Dong et al., 2018”
12	12.4.2.4	45 : 29	Replace “Wang et al., 2020a” by “S.-J. Wang et al., 2020”
12	12.4.2.4	45 : 33-4	Replace “Haeberli et al., 2017b” by “Haeberli et a., 2017” Replace “Wang et al., 2020a” by “S.-J. Wang et al., 2020”
12	12.4.2.4	45 : 43 45 : 45	Replace “Zhao et al., 2020b” by “L. Zhao et al., .2020”
12	12.4.2.4	45 : 51-52	Replace “Li et al., 2020d” by “H. Li et al., 2020”
12	12.4.2.4	46 : 7	Replace “Zhou et al., 2018” by “B. Zhou et al., 2018”
12	12.4.2.4	46 : 9	Replace “Wang et al., 2019d” by “S. Wang et al., 2019”
12	12.4.2.4	46 : 19	Replace “Li et al., 2016b” by “M. Li et al., 2016”
12	12.4.2.4	47 : 4	Replace “Wang et al., 2018a” by “J. Wang et al., 2018”
12	12.4.2.4	47 : 32	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12		47 :44	Replace East Sea” with “Sea of Japan”
12	Table 12.4 caption	48:8	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.2.4	49 : 1	Replace “IPCC, 2019” by “IPCC, 2019b”
12	12.4.2.4	49 : 11	Replace “Ministry for the Environment (2020)” by “MfE and Stats NZ, 2020”
12	12.4.2.4	49 : 25 49 : 35	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	12.4.3	49:50	Replace “Atlas.23” by “Atlas.20”
12	12.4.2.4	50 : 11	Replace “Wang et al., 2013b” by “X.L. Wang et al., 2013”
12	12.4.2.4	50 : 13	Replace “BOM and CSIRO, 2020” by “CSIRO and BOM, 2020”
12	12.4.3.1	50:10	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:13	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:17	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:21	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:29	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:25	Replace "1985 2005" by "1985-2005"
12	12.4.3.1	50:33	Replace "Figure SM 12.1" by "Figure 12.SM.1"
12	12.4.3.1	50:38	Replace "Figure SM 12.2" by "Figure 12.SM.2"
12	12.4.3.1	50:41	Replace "Figure SM 12.2" by "Figure 12.SM.2"
12	12.4.3.1	50:44	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:45	Replace "table 11.6" by "table 11.10"
12	12.4.3.1	50:52	Replace "table 11.6" by "table 11.10"
12	12.4.3.2	51:23	Replace "figure atlas.23" by "figure atlas.20"
12	12.4.3	51:23	Replace “Atlas.23” by “Atlas.20”
12	12.4.3.2	52:7	Replace "table 11.6" by "table 11.11"
12	12.4.3.2	52:27	Paragraph 10.4.1.2.3 was deleted from chapter. Delete cross-reference
12	12.4.3.2	52:32	Replace "table 11.6" by "table 11.11"
12	12.4.3.2	52:52	Replace "Figure SM 12.3" by "Figure 12.SM.3"

12	12.4.2.4	52 : 3	Replace “McMillan et al., 2010, 2012” by “McMillan et al., 2010; H. McMillan et al., 2012”
12	12.4.2.4	52 : 40	Replace “Liu et al., 2018c” by “Liu et al. (2018b)”
12	12.4.3.2	53:22	Replace "Figure SM 12.4" by "Figure 12.SM.4"
12	12.4.3.3	54:29	Replace "Figure SM 12.5" by "Figure 12.SM.5"
12	12.4.3.3	54 : 25	Replace “Wu et al., 2018b” by “J. Wu et al., 2018”
12	12.4.3.3	54 : 33	Replace “Karnauskas et al., 2018” by “Karnauskas et al., 2018a”
12	12.4.3.3	55 : 5	Replace “Walsh et al., 2016b” by “K. Walsh et al., 2016b”
12	12.4.3.3	56 : 34	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	12.4.3.5	56:5	Replace "9.6.3.3" by "9.6.3.1"
12	12.4.3.5	56:11	Replace "12.3.5.2" by "Section 12.3.5.2"
12	12.4.3.5	57:13	Replace "Box 9.1" by "Box 9.2"
12	Table 12.5 caption	57:44	Replace “SSP3-4.5 by “SSP2-4.5”
12	Table 12.5	58:1; Footnote #6	Replace “Glacier” with “glacier” [lower-case ‘g’]
12	12.4.4	58 : 27	Replace “Teichmann et al., 2019” by “Teichmann et al., 2020”
12	12.4.3	58 Table 12.5	The cell for heavy snowfall and New Zealand should be whit , not grey
12	12.4.4	59 : 7 59 : 17-18	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	12.4	59:43	Replace "the WBGT index" by "the wet bulb globe temperature (WBGT) index"
12	12.4.4	59 : 55	Replace “Li et al., 2020b” by “C. Li et al., 2020”
12	12.4.4	60 : 17	Replace “Sánchez et al., 2015b” by “Sánchez et al., 2015”
12	12.4.4.2	60 : 17-18	Replace “Teichmann et al., 2019” by “Teichmann et al., 2020”
12	12.4.4	61 : 29	Replace “Giorgi et al., 2014b” by “Giorgi et al., 2014”
12	12.4.4.	62 : 27	Replace “Sun et al., 2019b” by “Q. Sun et al., 2019”
12	12.4.4	64 : 49 64 ; 51 64 : 53	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	Table 12.6 caption	65:44	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.5	66 : 15	Replace “Jacob et al., 2014b” by “Jacob et al., 2014”
12	12.4.5	66:10	Replace “Atlas.27” by “Atlas.24”
12	12.4.5.2	69 : 51	Replace “Coppola et al., 2021” by “”Coppola et al., 2021a”
12	12.4.5.2	69:28	replace "SSP5-8.5 " with " SSP5-8.5 and for 2$_o$C GWL and higher"
12	12.4.5.2	69:55	replace "and all scenario" with "and all scenarios except RCP2.6/SSP1-2.6"
12	12.4.5.2	70:3	replace "and all scenario" with "and all scenarios except RCP2.6/SSP1-2.6"
12	12.4.5.2	70:20	replace "and all scenario" with "and all scenarios except RCP2.6/SSP1-2.6"
12	12.4.6.1	70 : 11	Replace “Villarini and Slater” by “Villarini and Slater, 2018”
12	12.4.5.3	71 : 9	Replace “Zhang et al., 2019d” by “Z. Zhang et al., 2019”
12	12.4..5.3	71 : 17	Replace “Li et al., 2018a” by “C. li et al., 2018”
12	12.4..5.3	71 : 48	Replace “Ruosteenoja et al., 2019b” by “Ruosteenoja et al., 2019a”
12	12.4.5.4	72 : 27	Replace “Marty et al., 2017b” by “Marty et al., 2017a”
12	12.4.5.4	72 : 39	Replace “Marty et al., 2017a” by “Marty et al., 2017b”
12	12.4.5.5	74 : 41-42	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	12.4.5.5	74 : 44-45	Replace “Li et al., 2013a” by “F. Li et al., 2013a”
12	Table 12.7 caption	76:4	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.6.1	77 : 32	Replace “Li et al., 2018b; Vincent et al., 2018c” by “G. Li et al., 2018; L.A. Vincent et al., 2018”
12	12.4.6.1	77 : 36	Replace “Zhang et al., 2019c” by “X. Zhang et al., 2019”
12	12.4.6.1	77 : 46	Replace “Vincent et al., 2018c” by “L.A. Vincent et al., 2018”
12	12.4.6	77:28	Replace “(Figures Atlas.15, Atlas.32, Atlas.33).” by “(Figures Atlas.15, Atlas.26, Atlas.27).”
12	12.4.6.1	78 : 32	Replace “Vincent et al., 2018c” by “L.A. Vincent et al., 2018”

12	12.4.6	77:28	Replace “(Figures Atlas.15, Atlas.32, Atlas.33).” by “(Figures Atlas.12, Atlas.26 Atlas.27)”
12	12.4.6	79:2	Replace “Figure Atlas.33” by “Figure Atlas.26”
12	12.4.6	79:15	Replace “(Dudley et al., 2017; Wehner et al., 2017)" by ""(Dudley et al., 2017; Wehner et al., 2017, Neri et al., 2020)”
12	12.4.6.2	79 : 29	Replace “Vincent et al., 2018c” by “L.A. Vincent et al., 2018” Replace “Zhang et al., 2019c” by “X. Zhang et al., 2019”
12	12.4.6.2	79 : 37	Replace “Neumann et al., 2015b” by “J.E. Neumann et al., 2015 “”
12	12.4.6.2	79 : 40	Replace “Cook et al., 2020b” by “L.M. Cook et al., 2020”
12	12.4.6.2	80 : 6-7	Replace “Lu et al., 2019” by “J. Lu et al., 2019”
12	12.4.6.2	80 : 10	Replace “Cook et al., 2020a” by “B.I. Cook et al., 2020”
12	12.4.6.2	80 : 17	Replace “Zhao et al. (2020)” by “C. Zhao et al. (2020)”
12	12.4.6.2	80 : 40	Replace “Cook et al., 2020a” by “B.I. Cook et al., 2020
12	12.4.6.2	81 : 5	Replace “Sun et al., 2019b” by “Q. Sun et al., 2019”
12	12.4.6.2	81 : 5-6	Replace “Wang et al. (2017)” by “X. Wang et al. (2017b)”
12	12.4.6.3	81 : 24-25	Replace “Zhang et al., 2019d” by “Z. Zhang et al., 2019”
12	12.4.6.3	81 : 44-45	Replace “Li et al., 2018a” by “C. Li et al., 2018”
12	12.4.6.3	81 : 49	Replace “Brooks, 2013a” by “H.E. Brooks, 2013”
12	12.4.6.3	82 : 2	Replace “Walsh et al., 2016a” by “K.J.E Walsh et al., 2016”
12	12.4.6	82:34	Replace “and Atlas)” by “and Figure Atlas.25)”
12	12.4.6	82:45	Replace “Atlas.9” by “Atlas.9.5”
12	12.4.6.4	83 : 12	Replace “Derksen et al., 2019” by “Derksen et al., 2018”
12	12.4.6.4	83 : 25	Replace “Yang et al., 2020” by “Yang et al., 2020a”
12	12.4.6.4	84 : 5	Replace “Allen et al. (2015)” by “J.T. Allen et al. (2015)”
12	12.4.6.4	84 : 6	Replace “Tang et al. (2019)” by “B.H. Tang et al. (2019)”
12	12.4.6.4 12.4.6.5 12.4.9.5	84 : 40 84 : 47 85: 15 100 : 2	Replace “Greenan et al., 2019” by “Greenan et al., 2018” (‘Changes in Oceans Surrounding Canada’)
12	12.4.6.5	84:33	Remove yellow highlighting from “-“
12	12.4.6.5	85 : 5	Replace “Dahl et al. (2017)” by ““Dahl et al. (2017a)”
12	12.4.6.5	85 : 28	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	Table 12.8	86:20 (footnote #7)	Replace "climatic impact driver" by "climatic impact-driver"
12	Table 12.8 caption	86:13	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.7	87:16	Ensure that Zhang et al. 2016a refers to Zhang, Wang, Hamilton and Lauer, 2016 in the reference list
12	12.4.7.1	87:32	Replace “Figure Atlas.31” with “Figure Atlas.28”
12	12.4.7.1	87:34	Replace “Figure Atlas.13” with “Figure Atlas.12”
12	12.4.7.1	87:37	Replace “Table 11.7” with “Table 11.13”
12	12.4.7.1	87:45	Replace “Table 11.7” with “Table 11.13”
12	12.4.7.1	87:49	Replace “Figure 12.4.a.c” with “Figure 12.4.a-c”
12	12.4.7.1	87:49	Replace “Figure SM 12.1” with “Figure 12.SM.1”
12	12.4.7.1	87:50-51	Replace “Table 11.7” with “Table 11.13”
12	12.4.7.1	87:51	Replace “Figure SM 12.2” with “Figure 12.SM.2”
12	12.4.7.1	87:52	Missing information; Replace “about days” with “about 50-100 days” (this number is estimated for the Caribbean from Figure 12.SM.2)
12	12.4.7.1	87:54-88:1	Replace “The Pacific Islands is also among regions projected to have an increase in number of days with mean HI exceeding 41°C by 2091-2100 under RCP8.5/SSP5-8.5, increasing the risk of heat stress in the region (Newth and Gunasekera, 2018).”

			with “The Pacific Islands is also among regions projected to have an increase in WBGT by 2091-2100 under RCP8.5/SSP5-8.5, increasing the risk of heat stress in the region (Newth and Gunasekera, 2018).” (to be consistent with Newth and Gunasekera, 2018)
12	12.4.7.2	88:22	Replace “givend drier conditionsprojected” with “given drier conditions projected”
12	12.4.7.2	88:23	Replace “Figure Atlas.31” with “Figure Atlas.28”
12	12.4.7.2	88:24	Move “(Almazroui et al., 2021)” to Page 88, Line 19 after “(high confidence)” because this reference applies for the Caribbean
12	12.4.7.2	88:37	Replace “Table 11.7” with “Table 11.14”
12	12.4.7.2	88:40	Replace “projected increase” with “projected change”, to be more consistent with Table 11.14
12	12.4.7.2	88:41	Replace “Table 11.7” with “Table 11.14”
12	12.4.7.2	89:4	Replace “medium confidence” with “low confidence” to be consistent with Table 11.15
12	12.4.7.2	89:5	Replace “Table 11.7” with “Table 11.15”
12	12.4.7.2	89:16-17	Replace “the Caribbean” with “CAR”
12	12.4.7.2	89:25-26	Replace “the Caribbean” with “CAR”
12	12.4.7.2	89:35	Replace “Table 11.7” with “Table 11.15”
12	12.4.7.2	89:41	Ensure that Cook et al. 2020a refers to Cook, B.I. et al. 2020 in the reference list (since there is no Cook et al. 2020a in the reference list)
12	12.4.6.7	87 : 15-16	Replace “Zhang et al., 2016a” by “C. Zhang et al., 2016”
12	12.4.7.1	89 : 41	Replace “Cook et al., 202a” by “B.I. Cook et al., 2020”
12	12.4.7.2	89:35-39	Replace text from: “There is medium confidence that agricultural and ecological droughts will increase in frequency, duration, magnitude, and extent in small islands, such as in CAR and parts of the Pacific, particularly where are future declines in precipitation compounded by higher evapotranspiration, under increasing levels of warming (Naumann et al., 2018; Taylor et al., 2018; Vichot-Llano et al., 2021).” With: “Agricultural and ecological droughts will increase in frequency, duration, magnitude, and extent in small islands, such as in CAR (medium confidence) and parts of the Pacific (low confidence), particularly where are future declines in precipitation compounded by higher evapotranspiration, under increasing levels of warming (Naumann et al., 2018; Taylor et al., 2018; Vichot-Llano et al., 2021).”
12	12.4.7.3	90:24	Replace “very high confidence” with “high confidence”
12	12.4.7.3	90 : 37	Replace “Li et al., 2018d” by “N. Li et al., 2018”
12	12.4.7.3	90:37	Ensure that Li et al. 2018d refers to Li, Yamazaki, Roeber, Cheung and Chock 2018 in the reference list (since there is no Li et al. 2018d in the reference list)
12	12.4.7.4	91:5	Replace “{ }” with “( )” for citation of Section 9.6.3.3
12	12.4.7.4	91 : 44 91 : 47	Replace “Luijendijk et al., 2018a” by “Luijendijk et al., 2018”
12	12.4.7.4	91 : 53	Replace “Vasdoukas et al. (2020)” by “Vasdoukas et al. (2020b)”
12	Table 12.9 caption	92:34	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.7	93: Table 12.9	Please change color for A&E droughts from pink to white for Pacific Islands
12	12.4.7	93: Table 12.9	Please remove footnote 5; change footnote index “6” into “5” in both table and footnote text below; change footnote index “7” into “6” in both table and footnote text below;

12	Table 12.9	93	In footnote 2, replace “but Increase” with “but increase” (i.e. not capitalized)
12	12.4.8	94 : 36 94 : 47-48	Replace “IPCC, 2019” by “IPCC, 2019b”
12	Table 12.10 caption	95:46	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.9	96 : 11-12	Replace “AMAP, 2017b” by “AMAP, 2017”
12	12.4.9	96:24	Replace “(Figures Atlas.32, Atlas.33)” by “(Figure Atlas.29)”
12	12.4.9	97:14	Replace “Figure Atlas.32” by “Figure Atlas.29”
12	12.4.9.1	97 : 4	Replace “Lee et al. (2017)” by “J.R. Lee et al. (2017)”
12	12.4.9.2	97 : 18 97 : 23 97 : 48	Replace “AMAP, 2017b” by “AMAP, 2017
12	12.4.9.2	97 : 35	Replace “Khlebnikova et al., 2019b” by “Khlebnikova et al., 2019a”
12	12.4.9.4	98 : 36	Replace “Derksen et al., 2019” by “Derksen et al., 2018”
12	12.4.9.4	99 : 18	Replace “Yang et al. (2020)” by “Yang et al. (2020a)”
12	12.4.9.5	100 : 2	Replace “Greenan et al., 2019” by “Greenan et al., 2018”
12	Table 12.11 caption	100:33	Replace “SSP3-4.5 by “SSP2-4.5”
12	12.4.10	101:30	Replace “This section focuses on CIDs affecting specific zones heightened vulnerability and” by “This section focuses on CIDs affecting specific zones with heightened vulnerability and”
12	12.4.10.1	102 : 13	Replace “S. Debortoli et al., 2015” by “Debortoli et al., 2015”
12	12.4.10.2	102 : 36	Replace “Wang et al., 2018b” by “Wang et al., 2018”
12	12.4.10.2	102 : 39	Replace “Wang et al., 2019b” by “Wang et al., 2019”
12	12.4.10.2	102 : 42-43	Replace “Coppola et al., 2021a” by “Coppola et al., 2021”
12	12.4.10.2	102 : 49	Replace “B. Neumann et al., 2015a” by “Neumann et al., 2015”
12	12.4.10.2	102 : 55	Remove “Paprotny et al., 2018”
12	12.4.10.3	103 : 23	Replace “Huang et al. (2016)” by Huang et al. (2016b)”
12	12.4.10.3	103 : 38	Replace “Zhao et al., 2015a” by “Zhao et al., 2015”
12	12.4.10.3	103 : 51	Replace “Zhang et al., 2016b” by “X. Zhang et al., 2016”
12	12.4.10.4	104 : 25	Replace “Li et al., 2020a” by “B. Li et al., 2020”
12	12.4.10.4	105 : 5	Replace “Chen et al., 2019a” by “C.-W. Chen et al., 2019”
12	12.4.10.4	105 : 12	Replace “Reyer et al., 2017” by “Reyer et al., 2017b”
12	12.4.10.4	105 : 18	Replace “Haeberli et al., 2017a” by “Haeberli et al., 2017” Replace “Wang et al., 2020a” by “S.-J. Wang et al., 2020”
12	12.4.10.5	105 : 44-45	Replace “S. Debortoli et al., 2015” by “Debortoli et al., 2015”
12	12.5.1	106 : 28	Replace “Coppola et al., 2021” by “Coppola et al., 2021b”
12	12.5.1	106:5	Remove second closing parenthesis
12	12.5.1	107:27	Add “South” before “western Africa”
12	12.5.1	107:28	Change “West North America, the Amazon regions, Western South America” to “Western North America, several regions in South America”
12	12.5.1	108:4	Add “South” before “western Africa”
12	12.5.1	108:5	Change “West North America, the Amazon regions, Western South America” to “Western North America, several regions in South America”
12	12.5.2	109:52	Typo in “pre-industrial” to correct
12	12.5.2	109:21	Typo in “pre-industrial” to correct
12	12.5.2	109:47	Replace “thre” by “the”
12	12.5.2	110 : 39	Replace “Li et al., 2018e” by “W. Li et al., 2018”
12	12.5.2	110 : 49-50	Replace “Guo et al., 2018a” by “H. Guo et al., 2018” Replace “Wu et al., 2020b” by “M. Wu et al., 2020”
12	CCBox12.1	113:34	Capitalize “R” in “risk”
12	CCBox12.1	113:35	Capitalize “R” in “risk”
12	CCBox12.1	113:36	Capitalize “R” in “risk”
12	CCBox12.1	113:37	Capitalize “R” in “risk”

12	CCBox12.1	113:38	Capitalize “R” in “risk”
12	CCBox12.1	113:39	Capitalize “R” in “risk”
12	CCBox12.1	113:40	Capitalize “R” in “risk”
12	CCBox12.1	113:41	Replace “RKR-H: risk to peace and migration” by “RKR-H: Risk to peace and to human mobility”
12	CCBox12.1	114:23	Replace “Cross-chapter Box 12.2 Table 1” by “Cross-chapter Box 12.1 Table 1”
12	CCBox12.1 Table 1	116: row: patterns of mean warming, last column	Replace “Figures Atlas.15” by “Atlas.13”
12	CCBox12.1 Table 1	116: row: Arctic warming trends, last column	Replace “Figures Atlas.32” by “Atlas.29”
12	CCBox12.1 Table 1	116: row: patterns of precipitation change, last column	Replace “Figures Atlas.15” by “Atlas.13”
12	CCBox12.1 Table 1	116: row: Inland floods, second-to-last column	Please add degree symbol for “2°C vs. 1.5°C”
12	12.6.1	121 : 18 121 : 22	Replace “Brooks, 2013b” by “M.S. Brooks, 2013”
12	12.6.2	121 : 51	Replace “Hewitt et al., 2017a; Vincent et al., 2018b” by “Hewitt et al., 2017b; K. Vincent et al., 2018b”
12	12.6.2	122 : 11	Replace “Wang et al., 2020b” by “Y. Wang et al., 2020”
12	12.6.2	122 : 21	Replace “Hewitt et al., 2017a” by “Hewitt et al., 2017b”
12	12.6.2	122 : 24 122 : 41	Replace “Vincent et al., 2018a” by “K. Vincent et al., 2018a”
12	12.6	122:48	Replace “Atlas.5.6.3.4” by “Atlas.8.2”
12	12.6	123:1	Replace “(e.g., Section Atlas.1.1.3 and 2.3).” by “(e.g., Atlas1.4)”
12	12.6.3	123 : 29	Replace “Hewitt et al., 2017a” by “Hewitt et al., 2017b”
12	CCB 12.2	125 : 21 125 : 30	Replace “Hewitt et al., 2017b” by “Hewitt et al., 2017a”
12	CCB 12.2	126 : 19	Replace “Taylor et al., 2017a” by “A. Taylor et al., 2017”
12	Figure 12.2	206	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
12	Figure 12.12	206	Please replace figure with the latest in Figure Manager- there have been some small changes (e.g the C3S acronym has been expanded)
12	12.4.5.2	219:1	Replace colorbar of Figure 12.9 panel *a* with this colorbar 

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Atlas during copy-editing.

ATLAS

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Atlas	cover	2:22	Replace the green box, or keep it by changing the text to "The Interactive Atlas is available at http://interactive-atlas.ipcc.ch"
Atlas	ES	9:11-12	Delete "and the Sahel"
Atlas	ES	9:14	Replace "northern China and in" by "East and"
Atlas	ES	10:12	Insert "(high confidence)" after "regions".
Atlas	ES	10:19	Insert "3.3.1, 3.3.2," after "Sections".
Atlas	Atlas.1.1	11:18–27	Replace paragraph by "The Interactive Atlas is a novel product of the WGI AR6 report which allows for a flexible spatial and temporal analysis of the results presented in the Atlas and other Chapters, the Technical Summary (TS) and the Summary for Policymakers (SPM), supporting and expanding on their assessments. The Interactive Atlas includes two components. The first (Regional Information) component includes information from global observational (and paleoclimate simulation) datasets assessed in Chapter 2, and projections of relevant extreme indices (used in Chapter 11) and climatic impact-drivers (used in Chapter 12) allowing for a regional analysis of the results (Section Atlas.2.2). It provides information on climatic impact-drivers (CIDs) relevant to sectoral and regional chapters of the Working Group II (WGII) report, being informed by and complementing the work of Chapter 12 in creating a bridge to WGII. The second component (Regional Synthesis) provides synthesis information about changes in CIDs in several categories such as heat and cold, wet and dry, or coastal and oceanic, supporting exploration of the regional assessment findings summarised in the TS and the SPM."
Atlas	Atlas.1.1	11:30	Replace "http://ipcc-atlas.ifca.es." by "http://interactive-atlas.ipcc.ch"
Atlas	Atlas.1.1	11 : 13	Replace "Taylor et al., 2012a" by "K.E. Taylor et al., 2012"
Atlas	Figure Atlas.1 caption	11:35	Replace "The main components of the Atlas chapter with, upper right, a screenshot from the online Interactive Atlas." with "The main components of the Atlas chapter with, lower right, a screenshot from the online Interactive Atlas." (location of the screenshot updated during the harmonisation of the visual roadmaps)
Atlas	Atlas 1.4.1	16 : 40	Replace "Huang et al., 201a7" by "B. Huang et al., 2017"
Atlas	Atlas 1.4.1	17 : 17	Replace "Sun et al., 2018b" by "Q. Sun et al., 2018"
Atlas	Atlas.1.4.1	17:15	Replace "such as HadEX3 (Dunn et al., 2020)." by ""such as HadEX3 (Dunn et al., 2020), as described in Section 11.2.2"
Atlas	Atlas.2	26:26	Insert "includes two components. The first (Regional Information) component" after "The Interactive Atlas".
Atlas	Atlas.2	26:40	Insert the following paragraph "The second component of the Interactive Atlas (Regional Synthesis) provides synthesis information about changes in CIDs in several categories such as heat and cold, wet and dry, or coastal and oceanic, supporting exploration of the regional assessment findings summarised in the TS and the SPM." before "The Interactive Atlas can be

			consulted...". *[Please make sure this is an independent paragraph, so there would be four paragraphs in Atlas.2.]*
Atlas	Atlas.2	26:40	Replace "http://ipcc-atlas.ifca.es" by "http://interactive-atlas.ipcc.ch"
Atlas	Atlas.2.2	28:4	Replace "Two-variable scatter plots (e.g., temperature versus precipitation)." by "Two-variable scatter plots (e.g., temperature versus precipitation) and Global Warming Level (GWL) plots representing regional/global changes of a particular variable versus global mean warming."
Atlas	Atlas.2.2	28:33	Add at the end of the paragraph "The Interactive Atlas also includes paleoclimate information from the Paleoclimate Model Intercomparison Projects PMIP3/4 for temperature and precipitation for the Last Glacial Maximum, Last Interglacial, mid-Holocene and mid-Pliocene periods (see Cross-Chapter Box 2.1).".
Atlas	Atlas.2.3	30:30	Replace "OWL ontology language," by "Web Ontology Language (OWL),"
Atlas	Atlas 2.3	30 : 33	Replace "http://github.com/metaclip/vocabularies)." by "Bedia and Martin, 2021"
Atlas	Atlas Atlas.3.1	37:25 to 40:1	In the 2-metre temperature section of the table, copy the first row of the Europe entries (first cell "Mediterranean") and insert it to make a new row above the first of the Africa entries (first cell "Sahara"). In the precipitation section of the table, copy the first row of the Europe entries (first cell "Mediterranean") and insert it above the first row of the Africa entries (first cell "Sahara").
Atlas	Atlas 4.3	43 : 47 43 : 50 44 : 35	Replace "Almazroui et al., 2020b" by "Almazroui et al., 2020c"
Atlas	Atlas.5	46:27	Delete "+TIB"
Atlas	Atlas.5	46:27	Insert "with the Tibetan Plateau (TIB) being relevant and thus referred to in both the East and South Asia assessments. Note also TIB forms a major part of the Hindu-Kush-Himalaya region which is assessed in Cross-Chapter Box 10.4 and relevant findings are summarised and cross-referenced in the East and South Asia sections below" after "WCA)".
Atlas	Atlas 5.1.2	47 : 53	Replace "Li et al., 2012a" by "B. Li et al., 2012"
Atlas	Atlas 5.1.2	48 : 2	Replace "Kim et al., 2016a" by "H.-S Kim et al., 2016"
Atlas	Atlas 5.1.2	48 : 26	Replace "Wu et al., 2019a" by "P. Wu et al., 2019"
Atlas	Atlas 5.1.2	48 : 30-31	Replace "Kim et al., 2016a" by "H.-S Kim et al., 2016"
Atlas	Atlas 5.1.2	48 : 44	Replace "Luo et al., 2020a" by "J. Luo et al., 2020"
Atlas	Atlas 5.1.3	48 : 50	Replace "Zhang et al., 2018b" by "M Zhang et al., 2018"
Atlas	Atlas 5.1.3	49 : 2	Replace "Jiang et al., 2020a" by "D. Jiang et al., 2020"
Atlas	Atlas 5.1.3	49 : 4	Replace "Wu et al., 2019b" by "T. Wu et al., 2019"
Atlas	Atlas 5.1.3	49 : 18	Replace "Li et al., 2018a" by "Li et al., 2018b"
Atlas	Atlas 5.1.3	49 : 21	Replace "Guo et al., 2018a" by "D.-L. Guo et al., 2018"
Atlas	Atlas.5.1.4	49:29	Insert "and the Tibetan Plateau" after "East Asia".
Atlas	Atlas.5.1.4	49:31	Insert "and TIB" after "ECA".
Atlas	Atlas.5.1.4	49:40	Insert "and TIB" after "ECA".
Atlas	Atlas 5.1.4	49 : 34-35	Replace Li et al., 2018b"" by "Li et al., 2018a"
Atlas	Atlas 5.1.4	49 : 45	Replace "Chen et al., 2019a" by "L. Chen et al., 2019"
Atlas	Atlas 5.1.4	49 : 47	Replace "Li et al., 2019b" by "Z. Li et al., 2019"
Atlas	Atlas 5.1.4	50 : 14	Replace "Kim et al., 2016b" by "Y. Kim et al., 2016"
Atlas	Atlas 5.1.4	50 : 16	Replace "Sun et al., 2018a; Zhang et al., 2018a" by "H. Sun et al., 2018; D. Zhang et al., 2018"
Atlas	Atlas.5.1.5	50:45	Insert "and the Tibetan Plateau" after "East Asia".
Atlas	Atlas.5.1.5	50:47	Insert "and TIB" after "ECA".
Atlas	Atlas.5.1.5	50:48	Insert "and TIB" after "ECA".
Atlas	Atlas 5.2.3	53 : 26	Replace "Wu et al., 2019b" by "T. Wu et al,. 2019"
Atlas	Atlas.5.3.1	55:2	Replace "In winter, Westerly Disturbances (WD) bring moisture from the Atlantic Ocean." by "In winter, Westerly Disturbances (WD) originating over the Atlantic Ocean bring moisture."
Atlas	Atlas 5.3.3	56 : 38	Replace "Singh et al., 2017a" by "M.S. Singh et al., 2017"

Atlas	Atlas 5.3.3	57 : 40	Replace “Almazroui et al., 2020c” by “Almazroui et al., 2020b”
Atlas	Atlas 5.3.3	57 : 6	Replace “Singh et al., 2017b” by “S. Singh et al., 2017”
Atlas	Atlas 5.3.3	57 : 23	Replace “Jiang et al., 2020b” by “Y. Jiang et al., 2020”
Atlas	Atlas 5.3.4	57:47	“Gnanaseelan et al. 2020” to be replaced by “Krishnan et al., 2020” This is due to problem with the Mendeley formatting. The correct referencing is available in Chapter 10.
Atlas	Atlas.5.3.4	57:28	Insert “for South Asia” after “projections”
Atlas	Atlas.5.3.5	58:37	Delete “(SAS and TIB)”
Atlas	Atlas.5.3.5	58:38	Replace “average,” with “average and”
Atlas	Atlas 5.4.3	60 : 12	Replace “Li et al., 2019a” by “J. Li et al., 2019”
Atlas	Reference list	60-61	Update Iturbide et al. (2021) reference to: Iturbide, M., Fernández, J., Gutiérrez, J.M., Bedia, J., Cimadevilla, E., Díez-Sierra, J., Manzanas, R., Casanueva, A., Baño-Medina, J., Milovac, J., Herrera, S., Cofiño, A.S., San Martín, D., García-Díez, M., Hauser, M., Huard, D., Yelekci, Ö. (2021) Repository supporting the implementation of FAIR principles in the IPCC-WG1 Atlas. Zenodo, DOI: 10.5281/zenodo.3691645. Available from: https://github.com/IPCC-WG1/Atlas
Atlas	Atlas 5.5.2	62 : 54	Replace “Huang et al., 2017b” by “J. Huang et al., 2017”
Atlas	Atlas 5.5.2	63 : 2	Replace “Guo et al., 2018b” by “H. Guo et al., 2018”
Atlas	Atlas 5.5.2	63 : 27-28	Replace “Chen et al., 2019b” by “S. Chen et al., 2019”
Atlas	Atlas 5.5.2	63 : 30	Replace “Guo et al., 2018b” by “H. Guo et al., 2018”
Atlas	Atlas 6.2	67 : 50	Replace “Evans et al., 2020a” by “A. Evans, 2020”
Atlas	Atlas 6.2	68 : 7	Replace ”Delworth and Zeng, 2014, and others)(see Section 10.4)” by “(Delworth and Zeng 2014 and others, see Section 10.4)”
Atlas	Atlas 6.3	68 : 37	Replace “Evans et al., 2020b” by “J.P. Evans et al., 2020”
Atlas	Atlas.6.2	68:7	Replace “(Delworth and Zeng, 2014, and others)(see Section 10.4)” with “see Section 10.4 and references therein (e.g., Delworth and Zeng 2014)” *[Answer to Robin’s references check]*
Atlas	Atlas 7.1.2	72 : 34	Replace “Jones et al., 2016c” by “P. Jones et al., 2016”
Atlas	Atlas 7.1.2	72 : 48	Replace “Jones et al., 2016a” by “J.M. Jones et al., 2016”
Atlas	Atlas 7.1.3	73 : 2	Replace “Martínez-Castro et al., 2018a” by “Martínez-Castro et al., 2018”
Atlas	Atlas 7.1.3	73 : 9 73 : 14	Replace “Martínez-Castro et al., 2018b” by “Martínez-Castro et al., 2018”
Atlas	Atlas 7.1.4	73 : 31-32	Replace “Taylor et a., 2013a” by “Taylor et al., 2013b”
Atlas	Atlas 7.2.2	76 : 49	Replace “Fernandes et al., 2015a” by “Fernandes et al., 2015”
Atlas	Atlas 7.2.3	77 : 32 77 : 43	Replace “Zazulie et al., 2017a” by “Zazulie et al., 2017”
Atlas	Atlas 7.2.3	77 : 40	Replace “Zazulie et al., 2017b” by “Zazulie et al., 2017”
Atlas	Atlas 7.2.3	78 : 5 78 : 15	Replace “Reboita et al., 2014a” by “Reboita et al., 2014”
Atlas	Atlas 7.2.3	79 : 8	Replace “Reboita et al., 2014b” by “Reboita et al., 2014”
Atlas	Atlas 8.3	83 : 26 84 : 14	Replace “Panthou et al., 2018b” by “Panthou et al., 2018a”
Atlas	Atlas 8.3	84 : 11	Replace “Wang et al., 2015a” by “S. Wang et al., 2015“
Atlas	8.5	86:44	Replace “will occur with medium confidence for global warming levels of 2°C or less” by “will occur with medium confidence for global warming levels below 2°C"
Atlas	Atlas 9.2	88 : 12-13	Replace “Wang et al., 2017b” by “Z. Wang et al., 2017”
Atlas	Atlas 9.2	88 : 33-34	Replace “Wang et al., 2017a” by “X.L. Wang et al., 2017”
Atlas	Atlas 9.2	89 : 49	Replace “Prein et al., 2017b” by “A. Prein et al., 2017”
Atlas	Atlas 9.2	92 : 14	Replace “Krasting et al., 2013a” by ““Krasting et al., 2013”
Atlas	Atlas.10	93.2	Insert: “The assessment in this section focuses on changes in average temperature and precipitation for the main Small Islands regions, including the most recent years of observations, updates to observed datasets, the consideration of recent studies using CMIP5 and those using CMIP6 and CORDEX simulations. Assessment of changes in extremes are in Chapter

			11 (Sections 11.3.2, 11.4.2, 11.7.1.5 and, for the Caribbean, Table 11.13-15) and climatic impact-drivers in Chapter 12 (Section, 12.4.7 and Table 12.9)."
Atlas	Atlas.10.1.1	93:19	Replace "typhoons" by "tropical cyclones".
Atlas	Atlas.10.2	93:55	Replace "significant increasing trends in the warm and cool extremes are" with "significant increasing and decreasing trends in warm and cool extremes respectively are".
Atlas	Atlas 10.2	94 : 2	Replace "Jones et al., 2016b" by P.D. Jones et al., 2016"
Atlas	Atlas 10.2	94 : 5	Replace "Taylor et al., 2012b" by "M.A. Taylor et al., 2012"
Atlas	Atlas 10.2	94 : 17	Replace "Jones et al., 2016b" by P.D. Jones et al., 2016"
Atlas	Atlas 10.2	94 : 44 95 : 4 95 : 15	Replace "Jones et al., 2016c" by P. Jones et al., 2016"
Atlas	Atlas 10.4	96 : 48-49	Replace "Taylor et al., 2013b" by "Taylor et al., 2013a"
Atlas	Atlas 10.4	96 : 56	Replace "Li et al., 2012b" by "W. Li et al., 2012"
Atlas	Atlas.10.4	96:41	Delete "West"
Atlas	Cross-Chapter Box Atlas.2	98:30	Delete "*medium* to".
Atlas	Cross-Chapter Box Atlas.2	98:31	Replace "Table 11.7" with "Table 11.13"
Atlas	Cross-Chapter Box Atlas.2	98:32	Replace "Table 11.7" with "Table 11.14"
Atlas	Cross-Chapter Box Atlas.2	98:38	Delete "Table 11.7"
Atlas	Cross-Chapter Box Atlas.2, Table	99:11	Replace in row two cell four: "*Low confidence* in drought intensity increasing over 2013–2016 (Herrera and Ault, 2017; Herrera et al., 2018)" with "*Low confidence* of increase in drought intensity during 1950-2016 and in the attribution of the 2013–2016 drought (Herrera and Ault, 2017; Herrera et al., 2018)"
Atlas	Cross-Chapter Box Atlas.2, Table	99:11	Delete from row four cell three "*Medium confidence* in increased frequency of hot extremes" and insert in row two cell three *"High confidence* in increased frequency of hot extremes (Table 11.13)".
Atlas	CCB Atlas 2	98 : 42	Replace "Fernandes et al., 2015b" by "Fernandes et al., 2015"
Atlas	CCB Atlas 2	98 : 55 99 : 1	Replace "Jones et al., 2016c" by P. Jones et al., 2016"
Atlas	Atlas 2	99 : 1-2	Replace "Jones et al., 2016b" by P.D. Jones et al., 2016"
Atlas	CCB Atlas 2, Table 1	99	Replace "Luo et al., 2020b" by "X. Luo et al., 2020"
Atlas	Cross-Chapter Box Atlas.2	100:9	Replace "Table 11.7" with "Table 11.13"
Atlas	Cross-Chapter Box Atlas.2	100:10	Insert "ocean" after "Pacific"
Atlas	CCB Atlas 2	101 : 7	Replace "Taylor et al., 2013b" by "Taylor et al,. 2013a"
Atlas	CCB Atlas 2	101 : 10	Replace "Li et al., 2012b" by "W. Li et al., 2012"
Atlas	Atlas 11.1.2	105 : 18	Replace "Wang et al., 2015b" by "Y. Wang et al., 2015"
Atlas	Atlas 11.2.3	111 : 40-41 113 : 48	Replace "Krasting et al., 2013b" by "Krasting et al., 2013"
Atlas	Atlas 11.2.4	113 : 41	Remove "Dobler et al. (2016) support the high precipitation sensitivity for the projected temperature changes."
Atlas	References	128: 9-11	"Gnanaseelan, C., M. Mujumdar, A. Kulkarni, and S. Chakraborty, 2020: Assessment of Climate Change over the Indian Region: A Report of the

			Ministry of Earth Sciences (MoES), Government of India. , 226, doi:10.1007/978-981-15-4327-2." is to be replaced by "Krishnan, R., J. Sanjay, C. Gnanaseelan, M. Mujumdar, A. Kulkarni, and S. Chakraborty (eds.), 2020: Assessment of Climate Change over the Indian Region: A Report of the Ministry of Earth Sciences (MoES), Government of India. Springer, Singapore, 226 pp., doi:10.1007/978-981-15-4327-2."
Atlas	References	132:61	Replace "DOI: 10.5281/zenodo.3595626" by "DOI: 10.5281/zenodo.3691645". The new full reference is "Iturbide, M., Fernández, J., Gutiérrez, J.M., Bedia, J., Cimadevilla, E., Díez-Sierra, J., Manzanas, R., Casanueva, A., Baño-Medina, J., Milovac, J., Herrera, S., Cofiño, A.S., San Martín, D., García-Díez, M., Hauser, M., Huard, D., Yelekci, Ö. (2021) Repository supporting the implementation of FAIR principles in the IPCC-WG1 Atlas. Zenodo, DOI: 10.5281/zenodo.3691645. Available from: https://github.com/IPCC-WG1/Atlas" *[This new reference has been sent to Robin as part of the responses to the references check. The above replacement should materialize when updating the reference].*
Atlas	References	132:19-20	Replace "IPCC, 2018a: Expert Meeting of the Intergovernmental Panel on Climate Change on Assessing Climate Information for Regions. , 50." by "IPCC, 2018: Expert Meeting of the Intergovernmental Panel on Climate Change on Assessing Climate Information for Regions [Moufouma-Okia, W., V. Masson-Delmotte, P. Zhai, H.-O. Pörtner, D. Roberts, M. Howden, R. Pichs-Madruga, G. Flato, C. Vera, A. Pirani, M. Tignor, E. Poloczanska, and C. Péan (eds)], IPCC Working Group I Technical Support Unit, Université Paris Saclay, Saint Aubin, France, pp.52" *[We emailed Robin on this].*
Atlas	Atlas.12	114:37	Replace "likely" with "projected".
Atlas	Figures	General note	The edits corresponding to figure captions are indicated only once, referring (page:line) to the captions accompanying the figures at the end of the document, and not the captions inserted within the text in the chapter.
Atlas	Figure Atlas.1	161	replace with updated visual roadmap, as all visual roadmaps have been harmonised (to have a set with a consistent visual identity. This does not alter the content of the chapter.)
Atlas	Figure.Atlas.2	163:4	Insert "The codes used in the Interactive Atlas are included in the figure. The full description of the regions (grouped by continents) is as follows. North America: NWN (North-Western North America), NEN (North-Eastern North America), WNA (Western North America), CNA (Central North America), ENA (Eastern North America); Central America: NCA (Northern Central America), SCA (Southern Central America), CAR (Caribbean); South America: NWS (North-Western South America), NSA (Northern South America), NES (North-Eastern South America), SAM (South American Monsoon), SWS (South-Western South America), SES (South-Eastern South America), SSA (Southern South America); Europe: GIC (Greenland/Iceland), NEU (Northern Europe), WCE (Western and Central Europe), EEU (Eastern Europe), MED (Mediterranean); Africa: MED (Mediterranean), SAH (Sahara), WAF (Western Africa), CAF (Central Africa), NEAF (North Eastern Africa), SEAF (South Eastern Africa), WSAF (West Southern Africa), ESAF (East Southern Africa), MDG (Madagascar); Asia: RAR (Russian Arctic), WSB (West Siberia), ESB (East Siberia), RFE (Russian Far East), WCA (West Central Asia), ECA (East Central Asia), TIB (Tibetan Plateau), EAS (East Asia), ARP (Arabian Peninsula), SAS (South Asia), SEA (South East Asia); Australasia: NAU (Northern Australia), CAU (Central Australia), EAU (Eastern Australia), SAU (Southern Australia), NZ (New Zealand); Antarctica: WAN (Western Antarctica), EAS (Eastern Antarctica)." after "atmospheric variables in the Atlas chapter and the Interactive Atlas." and before "The definition of the regions and companion …".

Atlas	Figure.Atlas.3	164:7	Add at the end (after "Figure Atlas.2."). "Detailed information on the grids used is provided at the Atlas repository (Iturbide 2021)."
Atlas	Cross-Chapter Box Atlas.1, Figure 2:	171:12	Replace ". Adapted from Kirchmeier-Young et al. (2019)." by " (after Kirchmeier-Young et al., 2019)."
Atlas	Figure Atlas.8	172	Figure edited after FGD to update it according to the final version of the Interactive Atlas. Uploaded to the figure manager on 2021-07-16 ***[Requires no action on the text**, Melissa is already aware of this]*
Atlas	Figure Atlas.8	172:3	Replace "**Screenshots from the Interactive Atlas.**" by "**Screenshots from the Interactive Atlas (regional information).**"
Atlas	Figure Atlas.8	172:6	Replace "(b–e) Various visuals and summary tables for the regionally averaged" by "(b–e) Various visuals for the regionally averaged"
Atlas	Figure Atlas.9	173	Figure edited after FGD to update it according to the final version of the Interactive Atlas. Uploaded to the figure manager on 2021-07-16 ***[Requires no action on the text**, Melissa is already aware of this]*
Atlas	Figure Atlas.9	173:6	Replace "precipitation from CMIP6 at 3°C of global warming level relative to the 1850–1900 baseline, through" by "precipitation from CMIP6 for 2081-2100 relative to a 1995-2014 baseline under the SSP3-7.0 scenario, through".
Atlas	Figure Atlas.13	177	Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.16	180:2	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.17	181:2	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.19	184	Figure edited after FGD to remove political boundaries. Uploaded to the figure manager on 2021-07-16 ***[Requires no action on the text,** Melissa is already aware of this]*
Atlas	Figure Atlas.21	186:2	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.22	187:2	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.24	190:3	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.25	191:3	Insert "in North America" after "periods of 1960/1961 to 2014/2015"
Atlas	Figure Atlas.26	192:2	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.27	193	Figure edited after FGD to remove political boundaries. Uploaded to the figure manager on 2021-07-16 ***[Requires no action on the text**, Melissa is already aware of this]*
Atlas	Figure Atlas.27	193:5	Insert "over North America" after "for the RCP8.5 scenario".
Atlas	Figure Altas.28	194	Figure edited after FGD to compute relative precipitation changes based on the multi-model mean precipitation, consistently with Ch4 and Ch8 (and not as the average of relative model changes). Uploaded to the figure manager on 2021-07-16 ***[Requires no action on the text,** Melissa is already aware of this]*
Atlas	Figure Altas.28	194:5	Insert "Maps on the top show global June-July-August (JJA) precipitation changes (%, relative to 1995-2014) projected for 2081-2100 under RCP8.5

			(left) and SSP5-8.5 (right) for the CMIP5 and CMIP6 ensembles respectively." before "Bar plots …" Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.
Atlas	Figure Atlas.29	195:3	Replace "Regional mean changes" by "Regional mean land changes". Figure updated to correct a problem with the offset points (the x-axis was wrong) and to align with Tables in the Supplementary Material.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

CHAPTER 1 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 1.SM			Update the Data Table with omitted data citations for climate model data.
Chapter 1 SM	1.SM.1	1.SM-3:-	In Table 1.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
Chapter 1 SM	1.SM.1	1.SM-4:-	In Table 1.SM.1: Row 5, Column 4: Add "Uncertainty +/- 1.3 ppm"
Chapter 1 SM	1.SM.1	1.SM-7:-	In Table 1.SM.1: Row 5, Column 8: "Chapter 4" replace by "Chapter 9"
Chapter 1 SM	1.SM.1	1.SM-7:-	In Table 1.SM.1: Row 6, Column 8: "Chapter 4" replace by "Chapter 9"
Chapter 1 SM	1.SM.1	1.SM-8:-	In Table 1.SM.1: Row 2, Column 4: "baseline 1961- 1990. " replace by "Referenced to 1850-1900 baseline AR6 assessed 4-dataset mean "
Chapter 1 SM	1.SM.1	1.SM-8:-	In Table 1.SM.1: Row 3, Column 8: Add "(Bereiter et al., 2015)"
Chapter 1 SM	1.SM.1	1.SM-8:-	In Table 1.SM.1: Row 4, Column 4: "co2_trend_gl.txt (??) " replace by "Uncertainty +/- 0.12 ppm"
Chapter 1 SM	1.SM.1	1.SM-8:-	In Table 1.SM.1: Row 4, Column 8: "Tans and Keeling (2019)" replace by "Tans and Keeling (2020) "
Chapter 1 SM	1.SM.1	1.SM-13:-	In Table 1.SM.1: Row 5, Column 9: Add "See Chapter 2"
Chapter 1 SM	1.SM.1	1.SM-13:-	In Table 1.SM.1: Row 6, Column 9: Add "See Cross-Chapter Box 11.1"
Chapter 1 SM	1.SM.1	1.SM-13:-	In Table 1.SM.1: Row 7, Column 7: Add "greenhousegases.science.unimelb.edu.au"
Chapter 1 SM	1.SM.1	1.SM-13:-	In Table 1.SM.1: Row 8, Column 7: Add "greenhousegases.science.unimelb.edu.au"
Chapter 1 SM	1.SM.1	1.SM-15:-	In Table 1.SM.1: Row 4, Column 7: Add "IIASA RCP database: https://tntcat.iiasa.ac.at/RcpDb/dsd?Action=htmlpage&page=welcome"
Chapter 1 SM	1.SM.1	1.SM-15:-	In Table 1.SM.1: Row 7, Column 8: Add "IPCC (2020)"
Chapter 1 SM	1.SM.1	1.SM-16:-	In Table 1.SM.1: Row 3, Column 8: Add "(Fujino et al., 2006; Smith and Wigley, 2006; Clarke et al., 2007; Riahi et al., 2007; van Vuuren et al., 2007; Hijioka et al., 2008; Wise et al., 2009)"
Chapter 1 SM	1.SM.1	1.SM-17:-	In Table 1.SM.1: Row 3, Column 8: Add "(Huppmann et al., 2019)"
Chapter 1 SM	1.SM.1	1.SM-17:-	In Table 1.SM.1: Row 9, Column 6: Delete "Will be generated by TSU"

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 2 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 2SM			Update the Data Table in each chapter Supplementary Material with omitted data citations for climate model data.
Chapter 2 SM	Author list	Page 1 Line 30	Replace "Hong Kong" with "Hong Kong, China"
Chapter 2 SM	2.SM.1	2.SM-3:-	In Table 2.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure / Table number"**
Chapter 2 SM	2.SM.1	2.SM-3:-	In Table 2.SM.1: Row 2, Column 9: Add "Converted to GMST based on equations in Hansen et al. (2013)"
Chapter 2 SM	2.SM.1	2.SM-3:-	In Table 2.SM.1: Row 2, Column 6: Delete "Converted to GMST based on equations in Hansen et al. (2013)"
Chapter 2 SM	2.SM.1	2.SM-5:-	In Table 2.SM.1: Row 7, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-6:-	In Table 2.SM.1: Row 2, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-6:-	In Table 2.SM.1: Row 3, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-13:-	In Table 2.SM.1: Row 4, Column 7: Delete "https://zenodo.org/xxxx"
Chapter 2 SM	2.SM.1	2.SM-13:-	In Table 2.SM.1: Row 4, Column 6: Add "https://gml.noaa.gov/ccgg/trends/global.html"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 1, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 2, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 3, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 4, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 5, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-14:-	In Table 2.SM.1: Row 6, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-15:-	In Table 2.SM.1: Row 1, Column 8: Add "Engel, et al (2018), Global Ozone Research and Monitoring Project–Report No. 58, World Meteorological Organization, Geneva, Switzerland, 2018."
Chapter 2 SM	2.SM.1	2.SM-15:-	In Table 2.SM.1: Row 1, Column 7: Delete "zenodo"
Chapter 2 SM	2.SM.1	2.SM-16:-	In Table 2.SM.1: Row 3, Column 7: Add "https://gml.noaa.gov/ccgg/trends/global.html"

Chapter 2 SM	2.SM.1	2.SM-18:-	In Table 2.SM.1: Row 3, Column 8: Add “Weber et al. 2018 ; Weber et al. 2020”
Chapter 2 SM	2.SM.1	2.SM-18:-	In Table 2.SM.1: Row 5, Column 8: Add “Solar Backscatter Ultraviolet Radiometer (SBUV) NOAA Cohesive data record (COH) v8.6 ”
Chapter 2 SM	2.SM.1	2.SM-18:-	In Table 2.SM.1: Row 6, Column 8: Add “Solar Backscatter Ultraviolet Radiometer (SBUV) NASA Merged Ozone Data Set (MOD) v8.6 (release 6): updated from: Frith, S. M., N. A. Kramarova, R. S. Stolarski, R. D. McPeters, P. K. Bhartia, and G. J. Labow (2014), Recent changes in total column ozone based on the SBUV Version 8.6 Merged Ozone Data Set, J. Geophys. Res. Atmos., 119, 9735-9751, doi:10.1002/2014JD021889.”
Chapter 2 SM	2.SM.1	2.SM-18:-	In Table 2.SM.1: Row 7, Column 8: Add “WOUDC data: updated from: Fioletov et al. 2002; JGR, Global and zonal total ozone variations estimated from ground-based and satellite measurements: 1964–2000. Fioletov, V. E., G. E. Bodeker, A. J. Miller, R. D. McPeters, and R. Stolarski, 2002: Global and zonal total ozone variations estimated from ground-based and satellite measurements: 1964–2000. J. Geophys. Res., 107, 4647, https://doi.org/10.1029/2001JD001350”
Chapter 2 SM	2.SM.1	2.SM-19:-	In Table 2.SM.1: Row 2, Column 7: Add “https://join.fz-juelich.de/ https://gml.noaa.gov/aftp/data/ozwv/SurfaceOzone/Historical/”
Chapter 2 SM	2.SM.1	2.SM-20:-	In Table 2.SM.1: Row 2, Column 7: Add “https://climate.esa.int/en/projects/ozone/ http://www.iup.uni-bremen.de/UVSAT/datasets/tropospheric-ozone-ccd ”
Chapter 2 SM	2.SM.1	2.SM-21:-	In Table 2.SM.1: Row 1, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-21:-	In Table 2.SM.1: Row 2, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-21:-	In Table 2.SM.1: Row 3, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-21:-	In Table 2.SM.1: Row 4, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-21:-	In Table 2.SM.1: Row 5, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-22:-	In Table 2.SM.1: Row 1, Column 6: Delete “Will be available through the code uploaded onto DMS ”
Chapter 2 SM	2.SM.1	2.SM-26:-	In Table 2.SM.1: Row 5, Column 7: Delete “None as yet. Once public, will appear through: ”
Chapter 2 SM	2.SM.1	2.SM-26:-	In Table 2.SM.1: Row 5, Column 8: Add “Morice et al. (2021)”
Chapter 2 SM	2.SM.1	2.SM-26:-	In Table 2.SM.1: Row 6, Column 8: Add “Vose et al. (2021)”
Chapter 2 SM	2.SM.1	2.SM-26:-	In Table 2.SM.1: Row 7, Column 8: Add “Rohde and Hausfather (2020)”
Chapter 2 SM	2.SM.1	2.SM-26:-	In Table 2.SM.1: Row 6, Column 8: “ftp://ftp.ncdc.noaa.gov/pub /data/cmb/ersst/v5/2020.gr l.dat/interim/ (expected to be superseded)” replace with “https://www.ncei.noaa.gov/pub/data/cmb/ersst/v5/2020.grl.dat/ ”
Chapter 2 SM	2.SM.1	2.SM-27:-	In Table 2.SM.1: Row 3, Column 8: Add “Morice et al. (2021)”

Chapter 2 SM	2.SM.1	2.SM-27:-	In Table 2.SM.1: Row 4, Column 8: Add “Vose et al. (2021)”
Chapter 2 SM	2.SM.1	2.SM-27:-	In Table 2.SM.1: Row 5, Column 8: Add “Rohde and Hausfather (2020)”
Chapter 2 SM	2.SM.1	2.SM-27:-	In Table 2.SM.1: Row 4, Column 8: “ftp://ftp.ncdc.noaa.gov/pub /data/cmb/ersst/v5/2020.gr l.dat/interim/ (expected to be superseded)” replace with “https://www.ncei.noaa.gov/pub/data/cmb/ersst/v5/2020.grl.dat/ ”
Chapter 2 SM	2.SM.1	2.SM-30:-	In Table 2.SM.1: Row 4, Column 7: Add “ftp://aspen.atmos.albany.edu/data/UA-HRD/”
Chapter 2 SM	2.SM.1	2.SM-31:-	In Table 2.SM.1: Row 5, Column 5: Add “https://www.romsaf.org/licence.php”
Chapter 2 SM	2.SM.1	2.SM-42:-	In Table 2.SM.1: Row 2, Column 7: Add “**doi:10.1029/2007JC004252**”
Chapter 2 SM	2.SM.1	2.SM-42:-	In Table 2.SM.1: Row 3, Column 7: Add “**doi:10.1029/2009JC005312**”
Chapter 2 SM	2.SM.1	2.SM-42:-	In Table 2.SM.1: Row 5, Column 6: Add “**doi:10.3189/172756411795931778 doi:10.1029/2010GL042652 doi:10.1029/2008GL034457**”
Chapter 2 SM	2.SM.1	2.SM-43:-	In Table 2.SM.1: Row 3, Column 7: Add “**doi:10.1016/j.quascirev.2016.04.008**”
Chapter 2 SM	2.SM.1	2.SM-44:-	In Table 2.SM.1: Row 2, Column 7: Add “**doi:10.1038/s41586-019-1071-0 doi:10.5194/tc-14-1043-2020**”
Chapter 2 SM	2.SM.1	2.SM-44:-	In Table 2.SM.1: Row 4, Column 2: “Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC)” replace with “Global glacier ice mass change”
Chapter 2 SM	2.SM.1	2.SM-44:-	In Table 2.SM.1: Row 4, Column 7: Add “https://www.ipcc.ch/srocc/“
Chapter 2 SM	2.SM.1	2.SM-44:-	In Table 2.SM.1: Row 4, Column 8: “SROCC” replace with “IPCC (2019), IPCC Special Report on the Ocean and Cryosphere in a Changing Climate”
Chapter 2 SM	2.SM.1	2.SM-44:-	In Table 2.SM.1: Row 5, Column 7: Add “**DOI: 10.1038/s41586-021-03436-z**“
Chapter 2 SM	2.SM.1	2.SM-45:-	In Table 2.SM.1: Row 4, Column 8: Add “Blazquez et al. (2018)“
Chapter 2 SM	2.SM.1	2.SM-45:-	In Table 2.SM.1: Row 4, Column 7: Add “doi: 10.1093/gji/“
Chapter 2 SM	2.SM.1	2.SM-46:-	In Table 2.SM.1: Row 2, Column 8: Add “King B.A.; McDonagh E.; Desbruyeres D.(2021).“
Chapter 2 SM	2.SM.1	2.SM-46:-	In Table 2.SM.1: Row 3, Column 8: Add “Cabanes, C., A. Gourazel, K. von Schuckmann, M. Hamon, G. Reverdin, C. Coatanoan, F. Gaillard, S. Pouliquen, P.-Y. Le Traon, 2012.“
Chapter 2 SM	2.SM.1	2.SM-46:-	In Table 2.SM.1: Row 5, Column 8: Add “http://apdrc.soest.hawaii.edu/projects/Argo/data/Documentation/gridded-var.pdf“
Chapter 2 SM	2.SM.1	2.SM-46:-	In Table 2.SM.1: Row 5, Column 4: Add “global_ohc_iprc_20052018_0-2000m_lat60-60_potential_ZJ.nc“
Chapter 2 SM	2.SM.1	2.SM-47:-	In Table 2.SM.1: Row 2, Column 4: Add “global_ohc_jamstec_20052018_0-2000m_lat60-60_ZJ_potential.nc“
Chapter 2 SM	2.SM.1	2.SM-47:-	In Table 2.SM.1: Row 3, Column 4: Add “global_ohc_scripps_20052018_0-2000m_lat60-60_ZJ.nc“
Chapter 2 SM	2.SM.1	2.SM-47:-	In Table 2.SM.1: Row 3, Column 8: Add “Argo (2020). Argo float data and metadata from Global Data Assembly Centre (Argo GDAC) - Snapshot of Argo GDAC of August 10st 2020. SEANOE. https://doi.org/10.17882/42182#76230“
Chapter 2 SM	2.SM.1	2.SM-49:-	In Table 2.SM.1: Row 5, Column 8: Add “Su, H.; Zhang, H.; Geng, X.; Qin, T.; Lu, W.; Yan, X.-H. OPEN: A New Estimation of Global Ocean Heat Content for Upper 2000 Meters from Remote Sensing Data. Remote Sens. 2020, 12, 2294. https://doi.org/10.3390/rs12142294“
Chapter 2 SM	2.SM.1	2.SM-50:-	In Table 2.SM.1: Row 8, Column 7: Add “https://cchdo.ucsd.edu/search?q=cf_netcdf“
Chapter 2 SM	2.SM.1	2.SM-53:-	In Table 2.SM.1: Row 3, Column 8: Add “https://www.aviso.altimetry.fr/fileadmin/documents/data/products/indic/msl/MSL_reprocessing_201402.pdf“

Chapter 2 SM	2.SM.1	2.SM-53:-	In Table 2.SM.1: Row 5, Column 8: Add “Watson, C., White, N., Church, J. et al. Unabated global mean sea-level rise over the satellite altimeter era. Nature Clim Change 5, 565–568 (2015). https://doi.org/10.1038/nclimate2635 Church, J. A. and N.J. White (2011), Sea-level rise from the late 19th to the early 21st Century. Surveys in Geophysics, doi:10.1007/s10712-011-9119-1“
Chapter 2 SM	2.SM.1	2.SM-55:-	In Table 2.SM.1: Row 4, Column 7: Add “https://doi.org/10.1038/s41467-020-17887-x https://doi.org/10.1594/PANGAEA.904186 “
Chapter 2 SM	2.SM.1	2.SM-55:-	In Table 2.SM.1: Row 5, Column 7: Add “https://doi.org/10.1594/PANGAEA.904186“
Chapter 2 SM	2.SM.1	2.SM-56:-	In Table 2.SM.1: Row 2, Column 7: Add “https://doi.org/10.1594/PANGAEA.901229“
Chapter 2 SM	2.SM.1	2.SM-60:-	In Table 2.SM.1: Row 2, Column 4: “Figure 7.17k” replace with “Figure 7.13k”
Chapter 2 SM	2.SM.1	2.SM-60:-	In Table 2.SM.1: Row 3, Column 4: “Figure 7.17b” replace with “Figure 7.13b”
Chapter 2 SM	2.SM.1	All Table 2.SM.12	Delete “Archive link will be made available”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

CHAPTER 3 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Chapter 3 SM	3.SM.1	All Table	"Link to ESMValTool " replace with "https://github.com/ESMValGroup/ESMValTool-AR6-OriginalCode-FinalFigures »
Chapter 3 SM	3.SM.1	3	In Table 3.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
Chapter 3 SM	3.SM.1	3	In Table 3.SM.1: Row 8, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	4	In Table 3.SM.1: Row 3, Column 5: Add "Open Government Licence"
Chapter 3 SM	3.SM.1	4	In Table 3.SM.1: Row 8, Column 5: Add "Open Government Licence"
Chapter 3 SM	3.SM.1	5	In Table 3.SM.1: Row 5, Column 5: Add "Open Government Licence"
Chapter 3 SM	3.SM.1	5	In Table 3.SM.1: Row 7, Column 5: Add "Open Government Licence"
Chapter 3 SM	3.SM.1	5	In Table 3.SM.1: Row 9, Column 5: Add "Open Government Licence"
Chapter 3 SM	3.SM.1	6	In Table 3.SM.1: Row 4, Column 5: Add "Creative Commons Attribution Noncommercial License"
Chapter 3 SM	3.SM.1	6	In Table 3.SM.1: Row 8, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	6	In Table 3.SM.1: Row 10, Column 8: "(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) " replace with "(Adler et al., 2018) "
Chapter 3 SM	3.SM.1	7	In Table 3.SM.1: Row 3, Column 8: "(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) " replace with "(Adler et al., 2018) "
Chapter 3 SM	3.SM.1	7	In Table 3.SM.1: Row 4, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	7	In Table 3.SM.1: Row 7, Column 8: "(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) " replace with "(Adler et al., 2018) "
Chapter 3 SM	3.SM.1	7	In Table 3.SM.1: Row 8, Column 5: Add "Open Database Licence"
Chapter 3 SM	3.SM.1	7	In Table 3.SM.1: Row 11, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	8	In Table 3.SM.1: Row 8, Column 8: "(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) " replace with "(Adler et al., 2018) "
Chapter 3 SM	3.SM.1	9	In Table 3.SM.1: Row 6, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	9	In Table 3.SM.1: Row 5, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	10	In Table 3.SM.1: Row 7, Column 5: Add "https://apps.ecmwf.int/datasets/licences/copernicus/"
Chapter 3 SM	3.SM.1	10	In Table 3.SM.1: Row 9, Column 5: Add "Creative Commons Attribution 4.0 International

Chapter 3 SM	3.SM.1	10	In Table 3.SM.1: Row 11, Column 5: Add “Creative Commons Attribution 4.0 International”
Chapter 3 SM	3.SM.1	11	In Table 3.SM.1: Row 4, Column 8: Add “(Rodell et al., 2004)”
Chapter 3 SM	3.SM.1	13	In Table 3.SM.2: Row 5, Column 5: Add “Open Government Licence”
Chapter 3 SM	3.SM.1	13	In Table 3.SM.1: Row 9, Column 5: Add “https://apps.ecmwf.int/datasets/licences/copernicus/”
Chapter 3 SM	3.SM.1	14	In Table 3.SM.1: Row 2, Column 5: Add “https://apps.ecmwf.int/datasets/licences/copernicus/”
Chapter 3 SM	3.SM.1	16	In Table 3.SM.2: Row 9, Column 5: Add “Open Government Licence”
Chapter 3 SM	3.SM.1	17	In Table 3.SM.2: Row 1, Column 8: Add “See Chapter 2”
Chapter 3 SM	3.SM.1	17	In Table 3.SM.1: Row 5, Column 5: Add “https://apps.ecmwf.int/datasets/licences/copernicus/”
Chapter 3 SM	3.SM.1	17	In Table 3.SM.1: Row 9, Column 8: “(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) “ replace with “(Adler et al., 2018) “
Chapter 3 SM	3.SM.1	18	In Table 3.SM.1: Row 13, Column 5: Add “https://apps.ecmwf.int/datasets/licences/copernicus/”
Chapter 3 SM	3.SM.1	19	In Table 3.SM.1: Row 3, Column 8: “(Huffman et al., 1997, 2009, Adler et al., 2003, 2016) “ replace with “(Adler et al., 2018) “
Chapter 3 SM	3.SM.1	20	In Table 3.SM.2: Row 3, Column 5: Add “Open Government Licence”
Chapter 3 SM	3.SM.1	20	In Table 3.SM.2: Row 2, Column 7: Delete “On DMS”
Chapter 3 SM	3.SM.1	20	In Table 3.SM.1: Row 8, Column 5: Add “https://apps.ecmwf.int/datasets/licences/copernicus/”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 4, Column 2: Add “HadCRUT4”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 4, Column 3: Add “Input dataset”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 4, Column 4: Add “HadCRUT.4.6.0.0.median.nc”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 4, Column 7: Add “https://crudata.uea.ac.uk/cru/data/temperature/#datdow”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 4, Column 8: Add “(Morice et al., 2012)”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 5, Column 2: Add “FAQ 3.1, Figure 1 Code”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 5, Column 3: Add “Code”
Chapter 3 SM	3.SM.1	21	In Table 3.SM.1: Row 5, Column 7: Add “https://github.com/ESMValGroup/ESMValTool-AR6-OriginalCode-FinalFigures”
Chapter 3 SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

CHAPTER 4 Supplementary Material

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
4 SM	4.SM.1	4.SM-2:-	In Table 4.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
4 SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

CHAPTER 5 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
5SM	Table SM.3	For "North Pacific, NP-STSS:	Replace "Merged ship occ" by "Merged ship occupations"
5SM	5.SM.4	5.SM-20:-	In Table 5.SM.6: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
5SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

CHAPTER 6 Supplementary Material

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
6SM	6.SM.1		A bit more explanation has been provided for the calculation of emissions-based ERFs, in particular the scaling performed for aerosol forcings has been clarified. Tables showing the values plotted in Figure 6.12 are now included in the supplementary. The revised supplementary is uploaded on the DMS .
6SM			Update the Data Table with omitted data citations for climate model data.
6SM	6.SM.1	3:26-28	"The contribution from aerosol radiation interaction (ari) is calculated as the difference between the total ERF and ERFaci. Thus, the non-cloud adjustments are included as aerosol radiation interaction." Is now "The contribution from aerosol radiation interactions (ari) is calculated as the difference between the total ERF and ERF due to cloud interactions (ERFaci). Thus, the non-cloud adjustments are included as aerosol radiation interaction. Because the total aerosol ERFari and ERFaci for 2014 based on AerChemMIP models are more negative and less negative, respectively, compared to that assessed in Chapter 7, the individual aerosol ERFs are scaled relative to total aerosol ERFs in Chapter 7 Section 7.3.3.4 to account for this bias. For BC, the cloud effect is assumed to scale with the aerosol ERFari rather than the aerosol ERFaci." For clarification
6SM	6.SM.1	3:33	"(i.e., from CH_4, CO, NMVOCs and halocarbons)" has been added for clarification
6SM	6.SM.1	3:41	"In Figure 6.22 and 6.24 we consider HFCs with lifetimes shorter than about 50 years (as reported by Hodnebrog et al., 2020): HFC-134a, HFC-32, HFC-125, HFC-143a, HFC-152a, HFC-227ea, HFC-245fa, HFC-365mfc, HFC-43-10mee." has been added for clarification
6SM	6.SM.1	3:44	A table "Table 6.SM.1. Effective radiative forcing (ERF, in Wm^{-2}) by emitted components for the period 1750-2019 as shown in Figure 6.12." has been added
6SM	6.SM.1	3:44	A Table "Table 6.SM.2. Changes in global mean surface air temperature (GSAT) due to emitted components for the period 1750-2019 as shown in Figure 6.12." has been added
6SM	6.SM.2	3:49	"GSAT changes shown in Figure 6.12 are presented in Table 6.SM.2." has been added
6SM	6.SM.1	11	In Table 6.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
6SM	6.SM.1	11	In Table 6.SM.1: Add new column 9 at the end "**Notes"**

6SM	6.SM.1	11	In Table 6.SM.1: Row 2, Column 4: Add "CMIP6 Data Release (data only) July 26, 2016 for CEDS »
6SM	6.SM.1	11	In Table 6.SM.1: Row 2, Column 7: Add "https://github.com/JGCRI/CEDS/ "
6SM	6.SM.1	11	In Table 6.SM.1: Row 3, Column 8: "(Young et al., 2013, 2018; DuplicateGriff iths et al., 2020) " replace with "(Griffiths et al., 2020; Young et al., 2013, 2018)"
6SM	6.SM.1	11	In Table 6.SM.1: Row 3, Column 5: public " replace with "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	14	In Table 6.SM.1: Row 2, Column 7: "Code to be placed in https://github.com/IPCC-WG1 " replace with "https://github.com/IPCC-WG1/Chapter-6"
6SM	6.SM.1	14	In Table 6.SM.1: Row 3, Column 5: add "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	14	In Table 6.SM.1: Row 4, Column 5: add "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	15	In Table 6.SM.1: Row 5, Column 5: add "https://esgf.llnl.gov/LICENSE.html "
6SM	6.SM.1	15	In Table 6.SM.1: Row 6, Column 8: Delete "(Myhre et al., 2013)"
6SM	6.SM.1	15	In Table 6.SM.1: Row 7, Column 7: "Code to be placed in https://github.com/IPCC-WG1 TBD " replace with "https://github.com/IPCC-WG1/Chapter-6"
6SM	6.SM.1	16	In Table 6.SM.1: Row 6, Column 7: delete "Code to be placed in https://github.com/IPCC-WG1 TBD "
6SM	6.SM.1	16	In Table 6.SM.1: Row 6, Column 5: public " replace with "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	16	In Table 6.SM.1: Row 6, Column 8: Delete "(Myhre et al., 2013)"
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 2: "CMIP6" replace with "Figure 6.12 code"
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 3: "Input dataset" replace with "Code"
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 6: Delete "Eyring et al. 2016"
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 7: Delete "https://esgf-node.llnl.gov/search/cmip6/ Code to be placed in https://github.com/IPCC-WG1 TBD "
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 8: "(Ghan, 2013; DuplicateTh ornhill et al., 2021) " replace with "(Ghan, 2013; Joos et al., 2013; Stevenson et al., 2013; Thornhill et al., 2021) ."
6SM	6.SM.1	17	In Table 6.SM.1: Row 7, Column 9: Add "See IPCC AR6 WG1 6.SM.1, 6.SM.2 for details and 7.SM.1"
6SM	6.SM.1	17	In Table 6.SM.1: Row 8, Column 5: add "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	17	In Table 6.SM.1: Row 8, Column 7: Delete "Code to be placed in https://github.com/IPCC-WG1 TBD "
6SM	6.SM.1	17	In Table 6.SM.1: Row 9, Column 5: add "https://esgf.llnl.gov/LICENSE.html"
6SM	6.SM.1	17	In Table 6.SM.1: Row 9, Column 7: Delete "Code to be placed in https://github.com/IPCC-WG1 TBD "
6SM	6.SM.1	18	In Table 6.SM.1: Row 7, Column 2: "ScenarioMIP experiments ssp370SST, ssp370pdSST Mole fraction of ozone " replace with "Figure 6.15 code"
6SM	6.SM.1	18	In Table 6.SM.1: Row 7, Column 3: "Input dataset OUTPU T DATA FREQU ENCY " replace with "Code"
6SM	6.SM.1	18	In Table 6.SM.1: Row 7, Column 4 5 6 7: Delete all
6SM	6.SM.1	18	In Table 6.SM.1: Row 7, Column 9: Add "See IPCC AR6 WG1 6.SM.1, 6.SM.2 for details"

6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 2: "CMIP6, ScenarioMIP experiments ssp370SST, ssp370pdSST " replace with "Community Emissions Data System (CEDS) for Historical Emissions GAINS model Figure 6.16 code"
6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 3: "Input dataset OUTPU T DATA FREQU ENCY " replace with "Input Dataset Input Dataset Code"
6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 4: "CMIP6 models GFDL-ESM4, GISS-E2-1-G, MRI-ESM2-0 and UKESM1-0-LL " replace with "CMIP6 Data Release (data only) July 26, 2016 for CEDS ECLIPSE version 6b"
6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 5: "public " replace with "Open Source"
6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 6: "(Eyring et al., 2016; O'Neill et al., 2016) " replace with "(Klimont et al., 2017) (Lee et al., 2020; Purohit et al., 2020; van Marle et al., 2017)"
6SM	6.SM.1	18	In Table 6.SM.1: Row 8, Column 7: "https://esgf-node.llnl.gov/search/cmip6/ " replace with "http://www.globalchange.umd.edu/ceds/ https://github.com/JGCRI/CEDS/ https://iiasa.ac.at/web/home/research/researchPrograms/air/Global_emissions.html"

6SM	6.SM.1	18	**Figure 6.18**	GEIA/ACCENT gridded emissions	Input dataset		public		http:// geiacenter.org	(Lamarque et al., 2010)	
				Community Emissions Data System (CEDS) for Historical Emissions	Input dataset	Gmd-11-369-2018-supplement input4MIPs.CMIP6.CMIP.VUA.VUA-CMIP-BB4CMIP6-1-2 CMIP6 Data Release (data only) July 26, 2016 for CEDS	public	(Hoesly et al., 2018; van Marle et al., 2017)	http://www.globalchange.umd.edu/ceds/, https://github.com/JGCRI/CEDS/, http://esgf-node.llnl.gov/search/input4mips/		
				EDGAR 5.0	Input dataset		public	(Crippa et al., 2019b, 2020)	https://edgar.jrc.ec.europa.eu/, https://edgar.jrc.ec.europa.eu/dataset_ap50		
				ECLIPSE	Input dataset	ECLIPSE_v5a	public	(Klimont et al., 2017)(Stohl et al., 2015)	https://iiasa.ac.at/web/home/research/researchPrograms/air/Global_emissions.html https://iiasa.ac.at/web/home/research/researchPrograms/air/ECLIPSEv5a.html		
				SSP Database (Shared	Input dataset	SSP_CMIP6_201811.csv.zip	public	(Gidden et al., 2019; Riahi et al.,	https://tntcat.iiasa.ac.at/SspDb/dsd		

<table>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td></td><td>Socioeconomic Pathways) - Version 2.0</td><td></td><td></td><td></td><td>2017; Rogelj et al., 2018)</td><td></td><td></td><td></td></tr>
</table>
In Table 6.SM.1: Row 8, Column 9: Add “See IPCC AR6 WG1 6.SM.4 for details”
</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 2: “CMIP6, ScenarioMIP Mole fraction of ozone” replace with “
TM5-FASST model
Community Emissions Data System (CEDS) for Historical Emissions
CAMS global reanalysis (EAC4)
Figure 6.17 code”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 3: “Input dataset intermediate data ” replace with “Input Dataset
Input Dataset
Code”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 4: “GFDL-ESM4, BCC-ESM1, CESM2-WACCM and UKESM1- 0-LL for ssp370, GFDL-ESM4, BCC-ESM1, and CESM2- WACCM for ssp370-lowNTCF, GFDL-ESM4 and UKESM1-0-LL for SSP1-2.6, SSP2-4.5 and SSP5- 8.5 ” replace with “CMIP6 Data Release (data only) July 26, 2016 for CEDS”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 5: “public ” replace with “Open Source
https://apps.ecmwf.int/datasets/licences/copernicus/”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 6: “(Eyring et al., 2016; O’Neill et al., 2016) ” replace with “(Van Dingenen et al., 2018)
(Inness et al., 2019)”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 7: “https://esgf-node.llnl.gov/search/cmip6/ ” replace with “http://www.globalchange.umd.edu/ceds/
https://github.com/JGCRI/CEDS/
https://www.ecmwf.int/en/forecasts/dataset/cams-global-reanalysis”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Row 1, Column 8: Add “(Hoesly et al., 2018)”</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Below the row “Figure 6.17” add a new row</td></tr>
<tr><td>6SM</td><td>6.SM.1</td><td>19</td><td>In Table 6.SM.1: Below the row “Figure 6.18” add a new row
<table>
<tr><td>Figure 6.19</td><td>GEIA/ACCENT gridded emissions</td><td>Input dataset</td><td></td><td>public</td><td></td><td>http:// geiacenter.org</td><td>(Lamarque et al., 2010)</td><td></td></tr>
<tr><td></td><td>Community Emissions Data System (CEDS) for Historical Emissions</td><td>Input dataset</td><td>Gmd-11-369-2018-supplement

input4MIPs.CMIP6.CMIP</td><td>public</td><td>(Hoesly et al., 2018; van Marle et al., 2017)</td><td>http://www.globalchange.umd.edu/ceds/
https://github.com/JGCRI/CEDS/</td><td></td><td></td></tr>
</table>
</td></tr>
</table>

						.VUA.VUA-CMIP-BB4CMIP6-1-2 CMIP6 Data Release (data only) July 26, 2016 for CEDS			http://esgf-node.llnl.gov/search/input4mips/		
				SSP Database (Shared Socioeconomic Pathways) - Version 2.0,	Input dataset	SSP_CMIP6_201811.csv.zip	public	(Gidden et al., 2019; Riahi et al., 2017; Rogelj et al., 2018)	https://tntcat.iiasa.ac.at/SspDb/dsd		
				Representative Concentration Pathway (RCP) database	Input dataset	Direct from website	public	(van Vuuren et al., 2011)	https://tntcat.iiasa.ac.at/RcpDb/dsd		
				Figure 6.19 code	Code				https://github.com/gidden/ar6-wg1-ch6-emissions		
6SM	6.SM.1	23	In Table 6.SM.1: Below the row "Figure 6.25" add a new row								
			Figure 6.26	Shared Socio-Economic Pathway (SSP) database	Input dataset			(Gidden et al., 2019; Riahi et al., 2017; Rogelj et al., 2018)	https://tntcat.iiasa.ac.at/SspDb/dsd	(Rao et al., 2017; Riahi et al., 2017)	
Chapter 6 SM	6.SM.1	24	In Table 6.SM.1: Below the row "Figure 6.SM2" add a new row								
			Figure 6.SM.3	Community Emissions Data System (CEDS) for	Input dataset	CMIP6 Data Release (data only) July 26, 2016 for CEDS	Open Source		http://www.globalchange.umd.edu/ceds/ https://github.com/JGCRI/CEDS/	(Hoesly et al., 2018)	

				Historical Emissions								

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supplementary Material during copy-editing.

CHAPTER 7 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
7SM	7.SM.1.3.1	5:41	Replace "contrails, aviation induced cirrus aerosols," with "contrails and aviation-induced cirrus, aerosols,"
7SM	7.SM.1.3.1	6.5	Replace "ACCMIP" with "AeroCom"
7SM	7.SM.1.3.1	6.13 to 6.16	Delete the sentence "Newer CMIP6 model results were not used as fewer model results are available and the complexity of aerosol schemes and internal mixing in these models makes attribution of aerosol forcing to precursors more difficult than in CMIP5-era models. »
7SM	7.SM.1.3.1	6:13	Replace "Newer CMIP6 model results were not used as fewer model results are available and the complexity of aerosol schemes and internal mixing in these models makes attribution of aerosol forcing to precursors more difficult than in CMIP5-era models" by "Section 7.SM.1.3.2 explains the rationale for choosing these coefficients."
7SM	7.SM.1.3.2	7:53	After sentence "…to generate the time series of ERFari." insert "These forcing contributions are based on modelling results from Myhre et al. (2013a), with scalings and uncertainty ranges for each component selected such that the total ERFari assessment of –0.3 ± 0.3 W m^{-2} is preserved. These estimates of per-species ERFari are independent of the headline assessments in Chapter 6, and differ particularly for BC (Section 6.4.2) where total BC ERFari is assessed to be +0.145 W m^{-2}. The emulators in Chapter 7 are run with more positive ERF values for BC and more negative values for OC, SO_2 and NH_3 to preserve the assessed uncertainty range for total ERFari while maintaining a Gaussian uncertainty distribution for the forcing contribution from each species. As many aerosol precursors are co-emitted, the stronger best-estimate contributions per species used here offset each other and the time evolution and present-day values of total ERFari are broadly consistent between Chapter 6 and Chapter 7. It should be re-iterated here that the Chapter 7 values are not per-species assessments of ERFari and are used for the calibration and projection of climate in emulators."
7SM	7.SM.1.4	8:14	Replace "4.36" by "4.35"
7SM	7.SM.1.4	10:4	Replace "4.36" by "4.35"
7SM	7.SM.2.2	11:36	Insert "SPM Figure 4b," before "Chapter 1"
7SM	7.SM.2.4	12:53	Insert new subsection 7.SM.2.4: "7.SM.2.4 Supporting information for SPM Figure 4b A similar exercise was performed for the anthropogenic contributions to future warming shown in SPM Fig. 4b. As no natural forcing is included in this exercise, a long pre-industrial spin-up is not required and only the period 1750–2100 was run using the constrained two-layer model. As in Section 7.SM.2.3, 2,237 ensemble members are used, sampling the full assessed uncertainty ranges in effective radiative forcing and climate response. In these simulations, the baseline case is all anthropogenic forcing, with one component removed at a time and the differences in warming reported. Contributions to future warming are reported for CO_2, other non-CO_2

			greenhouse gases (including ozone and stratospheric water vapour from methane oxidation), and other anthropogenic components. The latter category includes aerosols, land-use change, contrails and light-absorbing particles on snow and ice. The analysis is performed for SSP1-1.9, SSP1-2.6, SSP2-4.5, SSP3-7.0 and SSP5-8.5. Temperature projections are reported for 2081–2100 relative to a 1850–1900 baseline."
7SM	7.SM.7	39	In Table 7.SM.14: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure number"**
7SM	7.SM.1	39	In Table 7.SM.14: Row 2, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	39	In Table 7.SM.14: Row 3, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	39	In Table 7.SM.14: Row 4, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	39	In Table 7.SM.14: Row 5, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	39	In Table 7.SM.14: Row 6, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	39	In Table 7.SM.14: Row 2, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	39	In Table 7.SM.14: Row 4, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	39	In Table 7.SM.14: Row 4, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	40	In Table 7.SM.14: Row 1, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 2, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 3, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 4, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 5, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 6, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	40	In Table 7.SM.14: Row 2, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	40	In Table 7.SM.14: Row 4, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	40	In Table 7.SM.14: Row 5, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	40	In Table 7.SM.14: Row 6, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	46	In Table 7.SM.14: Row 2, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	46	In Table 7.SM.14: Row 3, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	46	In Table 7.SM.14: Row 5, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	46	In Table 7.SM.14: Row 2, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	46	In Table 7.SM.14: Row 3, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	46	In Table 7.SM.14: Row 5, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	47	In Table 7.SM.14: Row 3, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	47	In Table 7.SM.14: Row 5, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	47	In Table 7.SM.14: Row 7, Column 7: "https://github.com/chrisroadmap/ar6" replace with "https://github.com/IPCC-WG1/Chapter-7"
7SM	7.SM.1	47	In Table 7.SM.14: Row 3, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	47	In Table 7.SM.14: Row 5, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	47	In Table 7.SM.14: Row 7, Column 6: Delete "(Smith et al., 2021)"
7SM	7.SM.1	48	In Table 7.SM.14: Row 1, Column 7: "https://github.com/chrisroadmap/ar6"

			replace with “https://github.com/IPCC-WG1/Chapter-7”
7SM	7.SM.3	Table 7.SM.4 Fourth row, fourth column (i.e ECS for upper assessed ranges)	Add “5.00”
7SM	7.SM.3	Table 7.SM.4 Fourth row, fifth column (i.e ECS for lower CICERO-SCM)	Add “2.53”
7SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supplementary Material during copy-editing.

CHAPTER 8 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
8SM	8.SM.1	3	In Table 8.SM.1: Row 1, Column 1: "**Figure number / Table number / Chapter section (for calculations)"** replace with **"Figure / Table number"**
8SM	8.SM.1	4	In Table 8.SM.1: Row 3 moved to row 4, "Figure 8.4" replace by "Figure 8.5"
8SM	8.SM.1	4	In Table 8.SM.1: Row 4 (now became new row 3), "Figure 8.5" replace with "Figure 8.4"
8SM	8.SM.1	16	In Table 8.SM.1: Row 11, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	16	In Table 8.SM.1: Row 11, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	19	In Table 8.SM.1: Row 4, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	19	In Table 8.SM.1: Row 4, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	21	In Table 8.SM.1: Row 15, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	21	In Table 8.SM.1: Row 15, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	25	In Table 8.SM.1: Row 3, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	26	In Table 8.SM.1: Row 3, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	28	In Table 8.SM.1: Row 1, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	28	In Table 8.SM.1: Row 1, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	32	In Table 8.SM.1: Row 2, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	32	In Table 8.SM.1: Row 2, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	34	In Table 8.SM.1: Row 12, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	34	In Table 8.SM.1: Row 12, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	38	In Table 8.SM.1: Row 9, Column 7: "https://github.com/senesis/some_chap8_figures" replace with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	38	In Table 8.SM.1: Row 9, Column 8: Delete "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"

8SM	8.SM.1	39	In Table 8.SM.1: Row 3, Column 7: "https://github.com/senesis/some_chap8_figures" replaced with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	39	In Table 8.SM.1: Row 3, Column 8: Deleted "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM	8.SM.1	39	In Table 8.SM.1: Row 4, Column 7: "https://github.com/senesis/some_chap8_figures" replaced with "https://github.com/IPCC-WG1/Chapter-8"
8SM	8.SM.1	39	In Table 8.SM.1: Row 4, Column 8: Deleted "CAMMAC :(Sénési, 2020) CliMAF : (Sénési et al., 2021)"
8SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supplementary Material during copy-editing.

CHAPTER 9 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
9SM	Author list	1: 27	Replace “Hong Kong” with “Hong Kong, China”
9SM	9.SM.5	25	In Table 9.SM.8: Row 4, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	27	In Table 9.SM.8: Row 2, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	27	In Table 9.SM.8: Row 4, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	27	In Table 9.SM.8: Row 7, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	29	In Table 9.SM.8: Row 3, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	35	In Table 9.SM.8: Row 4, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	35	In Table 9.SM.8: Row 5, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	35	In Table 9.SM.8: Row 7, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	36	In Table 9.SM.8: Row 3, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	36	In Table 9.SM.8: Row 5, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	36	In Table 9.SM.8: Row 8, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM	9.SM.5	37	In Table 9.SM.8: Row 2, Column 7: add “https://github.com/IPCC-WG1/Chapter-9”
9SM			Update the Data Table with omitted data citations for climate model data.
9SM	Table 9.SM.5		Caption: Integrated GMSL projections for 2050, relative to 1995-2014, from the post-AR5 literature.
9SM	Table 9.SM.6		Caption: Integrated GMSL projections for 2100, relative to 1995-2014, from the post-AR5 literature.
9SM	Table 9.SM.7		See highlighted changes to be made below
9SM	Table 9.SM.8		See highlighted changes to be made below

Table 9.SM.7 :

	SSP1-1.9	SSP1-2.6	SSP2-4.5	SSP3-7.0	SSP5-8.5	SSP5-8.5 *Low Confidence*
2050						
Thermal expansion	0.07 (0.06--0.08)	0.07 (0.06--0.09)	0.08 (0.07--0.10)	0.09 (0.07--0.10)	0.09 (0.08--0.11)	0.09 (0.08--0.11)
Greenland	0.03 (0.02--0.04)	0.03 (0.02--0.04)	0.03 (0.02--0.04)	0.03 (0.02--0.04)	0.03 (0.02--0.04)	0.04 (0.02--0.14)
Antarctica	0.03 (0.01--0.08)	0.03 (0.01--0.08)	0.03 (0.01--0.08)	0.03 (0.01--0.08)	0.03 (0.01--0.08)	0.03 (-0.01--0.12)
Glaciers	0.04 (0.03--0.05)	0.05 (0.04--0.06)	0.05 (0.05--0.06)	0.06 (0.05--0.07)	0.07 (0.06--0.08)	0.06 (0.04--0.08)
Land Water Storage	0.01 (0.00--0.01)	0.01 (0.00--0.01)	0.01 (0.00--0.01)	0.01 (0.00--0.02)	0.01 (0.00--0.01)	0.01 (0.00--0.01)
Total (2050)	0.18 (0.15--0.23)	0.19 (0.16--0.25)	0.20 (0.17--0.26)	0.22 (0.18--0.27)	0.23 (0.20--0.29)	0.24 (0.19--0.40)
2150						
Thermal expansion	0.14 (0.11--0.18)	0.18 (0.14--0.24)	0.30 (0.24--0.38)	0.46 (0.38--0.57)	0.55 (0.45--0.68)	0.55 (0.45--0.68)
Greenland	0.10 (0.08--0.13)	0.13 (0.10--0.17)	0.19 (0.15--0.24)	0.23 (0.19--0.28)	0.27 (0.22--0.35)	0.31 (0.18--0.98)
Antarctica	0.17 (-0.01--0.44)	0.18 (-0.02--0.49)	0.17 (-0.05--0.55)	0.16 (-0.09--0.59)	0.16 (-0.11--0.66)	0.76 (-0.11--3.68)
Glaciers	0.10 (0.06--0.14)	0.12 (0.08--0.17)	0.18 (0.13--0.25)	0.25 (0.17--0.31)	0.29 (0.20--0.31)	0.29 (0.20--0.31)
Land Water Storage	0.05 (0.03--0.06)	0.05 (0.03--0.06)	0.05 (0.03--0.07)	0.07 (0.04--0.09)	0.05 (0.03--0.06)	0.05 (0.03--0.06)
Total (2150)	0.57 (0.37--0.86)	0.68 (0.46--0.99)	0.92 (0.66--1.33)	1.19 (0.88--1.65)	1.32 (0.98--1.88)	1.98 (0.98--4.82)

Table 9.SM.8: Global mean sea-level rise projections for 2000-2300 from literature (m), for different RCP scenarios.

Study	Grouping	RCP 2.6		RCP 4.5		RCP 8.5	
		67%	90%	67%	90%	67%	90%
Kopp et al., (2014)	MED	0.3--2.9	-0.2--4.7	0.7--3.5	0.0--5.3	1.8--5.2	1.0--7.4
Nauels et al., (2017)	MED	0.8--1.4		1.8--2.3		3.4--6.8	
Palmer et al. (2020)*	MED	0.6--2.2		0.9--2.6		1.7--4.5	
Kopp et al., (2017)	MICI	0.8—2.3	0.5--3.0	2.8--6.0	2.1--7.0	9.8--14.1	9.1--15.5
Bamber et al. (2019)‡	SEJ	1.2--3.6	0.5--5.3			2.6--6.5	1.8--11.8
Horton et al. (2020)	Survey	0.54-2.15	0.24-3.11			1.67-5.61	0.88-7.83

* Palmer et al. (2020) 5th-95th percentile of simulated projections are constructed to be analogous to AR5/SROCC *likely* ranges and so are presented here as 17th-83rd percentile projections.
‡ Bamber et al. (2019) 2°C scenario is listed under the RCP 2.6 column, but GSAT does not decline in this 2°C scenario as it does in RCP 2.6. Bamber et al. (2019) "RCP 8.5" scenario assumes GSAT stabilization at 5°C above pre-industrial after 2100 and so becomes cooler than RCP 8.5 over the 22nd and 23rd century. Bamber et al. (2019) is not included in the "Post-AR5 published range" in Table 9.11, as the Bamber et al. (2019) ice sheet projections instead inform the column labelled "SEJ."

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supplementary Material during copy-editing.

CHAPTER 10 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
10SM	Table 10.SM.2	12	East Asia : Hail : Obs : **add 12.4.2.4**
10SM	Table 10.SM.2	12	: East Asia : Hail : Projections : **add Table 12.4**
10SM	Table 10.SM.2	12	: East Asia : Tropical Cyclones : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia : Snow, glacier and ice sheet : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia : Permafrost : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia : Lake, river and sea ice : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia :Heavy snowfall and ice storm : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia : Hail : Projections : **add Table 12.4**
10SM	Table 10.SM.2	13	: East Central Asia : Snow avalanche : Projections : **add Table 12.4**
10SM	Table 10.SM.2	14	: Tibetan-Plateau : Mean precipitation : Projections : **add Table 12.4**
10SM	Table 10.SM.2	14	: Tibetan-Plateau : River flood : Projections : **add Table 12.4**
10SM	Table 10.SM.2	14	: Tibetan-Plateau : Heavy precipitation and pluvial flood : Projections : **add Table 12.4**
10SM	Table 10.SM.2	14	: Tibetan-Plateau : Aridity : Projections : **add Table 12.4**
10SM	Table 10.SM.9	52	Replace entries for Coastal and Oceanic CIDs in Caribbean Small Islands from “12.4.7.5” with “12.4.7.4”, with the exception for Ocean acidity which is still 12.4
10SM	Table 10.SM.9	53	Replace entries for Coastal and Oceanic CIDs in Pacific Small Islands from “12.4.7.5” with “12.4.7.4”, with the exception for Ocean acidity which is still 12.4
10SM	Table 10.SM.9	53	Remove “1.3.1” for Relative sea level (Observational column) for Pacific Islands
10SM	Table 10.SM.9	54	Remove “1.3.1” for Relative sea level (Observational column) for Western Indian Ocean Islands
10SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supplementary Material during copy-editing.

CHAPTER 11 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
11SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Chapter during copy-editing.

CHAPTER 12 SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
12SM	Title		Replace “Weather and climate extreme events in a changing climate” by “Climate change information for regional impact and for risk assessment”
12SM	12.SM.2	Table 12.SM.1 : All table	Delete rows with “Final Plotted Data” and “Metadata file”
12SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Supp. Material during copy-editing.

ATLAS SUPPLEMENTARY MATERIAL

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Atlas SM	Table Atlas.SM.7	Atlas.SM.11	Remove row 42 of the table “42 | EUR-11 | CNRM-CM5_r1i1p1 | HadREM3 …" and rename the column numbers below (43 to 42, …, 51 to 50).
Atlas SM			Update the Data Table with omitted data citations for climate model data.

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Annex during copy-editing.

ANNEX II

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Annex II		18:2 Title of first column.	Change title to: Institution, Full Name, County or Region
Annex-II	Table AII.4	18:2	Replace “Taiwan” with “Taiwan, China”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Annex during copy-editing.

ANNEX V

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make
Annex V	AV.4.4	8:27	Replace: “The NAmerM is assessed in Sections 8.3.2.4.4 and 8.4.2.4.4.” with “The NAmerM is assessed in Sections 8.3.2.4.4 and 8.4.2.4.4. and Atlas sections 9.1 and 7.1.3.”

AR6 WGI Report – List of corrigenda to be implemented

The corrigenda listed below will be implemented in the Annex during copy-editing.

ANNEX VII (GLOSSARY)

Document (Chapter, Annex, Supp. Mat…)	Section	Page :Line (based on the final pdf FGD version)	Detailed info on correction to make	TSU
Annex VII – Glossary		1 : 35	Replace "that the term" by "that the italicized term"	
Annex VII – Glossary	Adjustments (in relation to effective radiative forcing)		Added definition (was omitted) The response to an agent perturbing the *climate system* that is driven directly by the agent, independently of any change in *global surface temperature*. For example, *carbon dioxide* and *aerosols*, by altering internal heating and cooling rates within the *atmosphere*, can each cause changes to cloud cover and other variables thereby producing an *effective radiative forcing* even in the absence of any surface warming or cooling. Adjustments are usually rapid in the sense that they begin to occur right away, before *climate feedbacks* which are driven by global surface warming (although some adjustments may still take significant time to proceed to completion, for example those involving vegetation or *ice sheets*).	
Annex VII (Glossary)	Agricultural or ecological drought definition	19:7	Replace "Agricultural or ecological drought" with "Agricultural and ecological drought". Note "and", not "or"	
Glossary		37:7	Replace "fluorinated gases" with "halogenated compounds"	
Annex VII – Glossary	Apparent hydrological sensitivity		Replace "global mean temperature change" by "global mean surface air temperature (GSAT) change"	
Annex VII – Glossary	Arctic oscillation (AO)		Added definition (was omitted): See *Northern Annular Mode (NAM)* (under *Annular modes*).	
Annex VII – Glossary	Baseline/reference		Updated definition: See *Reference scenario* (under *Scenario*) and *Reference period*.	
Annex VII – Glossary	Carbon cycle		Replace "1GtC corresponds to 3.667 GtCO2" by "1GtC corresponds to 3.664 GtCO2"	
Annex VII – Glossary	Chlorofluorocarbons (CFCs)		Replace "they break down ozone (O3). It is one…" by "they lead to ozone (O3) depletion. They are some…"	

			Remove "which are GHGs covered under the Kyoto Protocol"	
Annex VII – Glossary	Climate feedback parameter		Replace "to a global surface temperature change" by "to a change"	
Annex VII – Glossary	Climate scenario		Remove definition (added in error)	
Annex VII – Glossary	Cloud feedback		Replace "global mean surface temperature" by "global surface tempreature" Remove "At present, cloud feedbacks remain the largest source of *uncertainty* in *climate sensitivity* estimates."	
Annex VII – Glossary	Cloud radiative effect		Remove "In previous IPCC reports this was called cloud *radiative forcing*, but that terminology is inconsistent with other uses of the forcing term and is not maintained in this report."	
Annex VII – Glossary	Cold days/cold nights		Remove definition (added in error)	
Annex VII – Glossary	Cosmogenic radioistopes		Remove definition (added in error)	
Annex VII – Glossary	Diatoms		Updated definition Microscopic (2-200μm) unicellular photosynthetic algae that live in surface waters of lakes, rivers and *oceans* and form shells of opal. In the global ocean, marine diatom species distribution is primarily driven by nutrient availability. On regional scales, their species distribution in ocean sediment cores can be related to past *sea surface temperatures* (Abrantes et al., 2013).	
Annex VII – Glossary	Direct emissions		Remove definition (added in error)	
Annex VII – Glossary	Earth's energy budget		Added definitions (they were omitted) **Earth's energy budget** encompasses the major energy flows of relevance for the *climate system*: the top-of-atmosphere energy budget; the surface energy budget; changes in the global energy inventory and internal flows of energy within the climate system that characterise the climate state. *Top-of-atmosphere energy budget* comprises the energy fluxes associated with incoming *solar radiation*, reflected solar radiation and emitted thermal radiation. Typical units: W m^{-2}. *Surface energy budget* comprises the exchanges of heat at the surface of the Earth associated with both radiative and non-radiative processes. Typical units: W m^{-2}. *Global energy inventory* quantifies the excess energy absorbed or lost by the Earth system (*ocean*, land *atmosphere* and *cryosphere*),	

			mostly in the form of heat, associated with *radiative forcing* of the *climate*. Typical units: Joules. *Global energy budget* For a given time period, the global energy budget expresses the balance between change in the global energy inventory, the time-integrated *effective radiative forcing* and time-integrated *radiative response of the climate system*. Typical units: Joules. See also *Earth's energy imbalance*.	
Annex VII – Glossary	Earth's energy imbalance		Added definition (was omitted) The persistent and positive (downward) net top of atmosphere energy flux associated with greenhouse gas *forcing* of the *climate system*. See also *Earth's energy budget* and *Radiative response (of the climate system)*.	
Annex VII – Glossary	Emulators		Replace "'one or few line climate models" by "simple climate models"	
Annex VII – Glossary	Energy balance model (EBM)		Make the term a subterm of Emulators. Replace "An energy balance model is a simplified model that analyses the energy budget of the Earth to compute changes in the *climate*." by "An energy balance model is a simplified climate model that is typically used as an emulator of climate to analyse the energy budget of the Earth to compute changes in the *climate*.	
Annex VII – Glossary	Extreme/heavy precipitation event		Replace "space" by "place"	
Annex VII – Glossary	Glacial or glaciation		Replace "was near its most recent lowest stand" by "was nearly at its lowest level"	
Annex VII – Glossary	East Asian monsoon (EAsiaM)		Replace "Lately in July" by "In July" Replace "north, northeast" by "north and northeast"	
Annex VII – Glossary	Gravity Recovery And Climate Experiment (GRACE)		Replace "A pair of satellites to measure…" by "A pair of satellites that measured…"	
Annex VII – Glossary	Greenhouse effect		Replace "Surface temperature and troposphere…" by "Earth's surface temperature and troposphere…"	
Annex VII – Glossary	Hindcast or retrospective forecast		Remove definition (added in error)	
Annex VII – Glossary	Hydrofluorocarbons (HFCs)		Updated definition A type of *greenhouse gas (GHG)*, HFCs are organic compounds that contain fluorine, carbon and hydrogen atoms and they are produced commercially as a substitute for *chlorofluorocarbons (CFCs)*. They are mainly used in refrigeration and semiconductor manufacturing.	

Annex VII – Glossary	Hydrological sensitivity (η)		Updated definition The linear change in global mean precipitation per degree Celsius of *global mean surface air temperature (GSAT)* change once precipitation changes related to fast atmospheric and land surface adjustments to *radiative forcings* have occurred. Units are % per °C although it can also be calculated as W m^{-2} per °C. See also *Apparent hydrological sensitivity (η_a)*.	
Annex VII – Glossary	Interstadial or interstade		Added definition (was omitted) A brief period of regional climatic warming during a *glacial* or *interglacial* interval, often characterized by transient glacial retreats. Interstadials are generally of short duration (hundreds to a few thousand years) compared to glacial or interglacial intervals (lasting many thousands to tens of thousands of years). One example of a regional interstadial event is based on millennial scale warming recorded by oxygen *isotope* ratios in Greenland *ice cores*, the so called "Greenland Interstadials" (Johnsen et al., 1992). See also *Stadial or stade*.	
Annex VII – Glossary	Light-abosrbing particles		Replace "smelting" by "melting"	
Annex VII – Glossary	Long-lived climate forcers (LLCF's)		Replace "Long-lived climate forcers (LLCFs)" by "Long-lived greenhouse gases (LLGHGs)"	
Annex VII – Glossary	Low-likelihood, high impact outcomes		Renamed term "Low-likelihood, high impact outcomes" from "Low-likelihood, high impact events" for cross-report consistency	
Annex VII – Glossary	Methane (CH4)		Removed "One of the seven greenhouse gases (GHGs) to be mitigated under the Kyoto Protocol." Replace "Methane is the major…" by "The greenhouse gas (GHG) methane is the major…"" Replace "there is risk of increased methane emissions from thawing permafrost, coastal wetlands…" by "there is potential for increased methane emissions from thawing permafrost, wetlands…""	
Annex VII – Glossary	Model drift		Remove definition (added in error)	
Annex VII – Glossary	Montreal Protocol		Updated definition The Montreal Protocol on Substances that Deplete the Ozone Layer was adopted in Montreal in 1987, and subsequently adjusted and amended (including London (1990), Copenhagen (1992), Vienna (1995), Montreal (1997), Beijing (1999) and Kigali (2016)). It controls the consumption and production of chlorine- and bromine-containing chemicals that destroy *stratospheric ozone (O_3)*, such as *chlorofluorocarbons (CFCs)*, methyl chloroform, carbon tetrachloride and many	

			others. Since the Kigali Amendment in 2016, *hydrofluorocarbons (HFCs)*, which were used as alternatives to ozone-depleting substances, have been targeted for a phase-down due to their climate effect as greenhouse gases.	
Annex VII – Glossary	Natural systems		Updated definition *The dynamic physical, physicochemical and biological components of the Earth system that would operate independently of human activities.*	
Annex VII – Glossary	Nitrous oxide (N_2O)		Remove "One of the seven *greenhouse gases (GHGs)* to be mitigated under the Kyoto Protocol. " Replace "The main *anthropogenic* source of N_2O is" by "The main *anthropogenic* source of N_2O, a greenhouse gas (GHG), is"	
Annex VII – Glossary	Non-linearity		Replace "may lead to abrupt climate change" by "may lead to abrupt climate change and tipping points"	
Annex VII – Glossary	Sub-terms of Pathways		Added definitions (were omitted) *Emission pathways* Modelled trajectories of global *anthropogenic emissions* over the 21st century. *Mitigation pathways* A temporal evolution of a set of *mitigation scenario* features, such as *greenhouse gas (GHG)* emissions and socio-economic development. *Non-overshoot pathways* Pathways that stay below a specified concentration, *forcing*, or global warming level during a specified period of time (e.g., until 2100). *Overshoot pathways* Pathways that first exceed a specified concentration, *forcing*, or global warming level and then return to or below that level again before the end of a specified period of time (e.g., before 2100). Sometimes the magnitude and *likelihood* of the overshoot is also characterized. The overshoot duration can vary from one pathway to the next, but in most overshoot pathways in the literature and referred to as overshoot pathways in the AR6, the overshoot occurs over a period of at least one decade and up to several decades.	
Annex VII – Glossary	pH		Updated definition A dimensionless measure of the acidity of a dilute solution (e.g., seawater) based on the activity, or effective concentration, of hydrogen ions (H^+) in the solution. pH is measured on a logarithmic scale where $pH = -\log_{10}(H^+)$. Thus, a pH decrease of 1 unit corresponds to a 10-fold increase in the acidity, or the activity of H^+.	

Annex VII – Glossary	Plankton		Updated definition Free-floating organisms living in the upper layers of aquatic systems. Their distribution and migration are primarily determined by water currents. A distinction is made between phytoplankton, which depend on *photosynthesis* for their energy supply, and zooplankton, which feed on phytoplankton, other zooplankton, and bacterioplankton.	
Annex VII – Glossary	Pleistocene		Replace "at 11.65 ka" by "at approximately 11.7 ka"	
Annex VII – Glossary	Pool, carbon and nitrogen		Added definition (was omitted) A *reservoir* in the Earth system where elements, such as carbon and nitrogen, reside in various chemical forms for a period of time. See also *Reservoir*, *Sequestration, Sequestration potential, Sink, Source* and *Uptake*.	
Annex VII – Glossary	Radiative effect		Removed definition	
Annex VII – Glossary	Rapid adjustment		Removed definition	
Annex VII – Glossary	Radiative response (of the climate system)		Added definition (was omitted) The net top-of-atmosphere radiative flux that opposes a change in *radiative forcing* as a result of *climate feedbacks*. Typical units: W m^{-2}. See also *Earth's energy budget*, *Climate feedback and Climate feedback parameter*.	
Annex VII – Glossary	Reference period		Updated definition A time period of interest, or a period over which some relevant statistics are calculated. A reference period can be used a *baseline period* or as a comparison to a *baseline period*.	
Annex VII – Glossary	Baseline period (subterm of Reference period)		Updated definition A time period against which differences are calculated (e.g., expressed as *anomalies* relative to a baseline).	
Annex VII – Glossary	Regional climate scenario		Removed definition	
Annex VII – Glossary	Sea level equivalent (SLE)		Removed "However, more accurate estimates of SLE must account for additional processes affecting mean sea level rise, such as shoreline migration, changes in ocean area, and for vertical land movements."	
Annex VII – Glossary	Semi-empirical model		Replace "global mean surface temperature change" by "*global surface temperature* chagne"	
Annex VII – Glossary	Stadial or stade		Updated definition: A brief period of regional climatic cooling during a *glacial* or *interglacial* interval, often characterized by transient glacial advances. Stadials are generally of short duration	

			(hundreds to a few thousand years) compared to glacial or interglacial intervals (lasting many thousands to tens of thousands of years). One example of a regional stadial event is based on millennial scale cooling recorded by oxygen *isotope* ratios in Greenland *ice cores*, the so called "Greenland Stadials" (Johnsen et al., 1992). See also *Interstadial or interstade*.	
Annex VII – Glossary	Sulphur hexafluoride (SF_6)		Updated definition SF_6, a greenhouse gas (GHG), is mainly used in heavy industry to insulate high-voltage equipment and to assist in the manufacturing of cable-cooling systems and semiconductors.	
Annex VII – Glossary	Teleconnection patterh		Updated definition Spatial structure of climate *anomalies* that are linked to each other through *teleconnection* processes or that are the *large-scale* fingerprint of *modes of climate variability*. Teleconnection patterns can be visualized using correlation and/or regression maps of *climate* variables with some *climate indices* (i.e., those derived from the temporal variation of the main modes of climate variability). They can also be obtained from principal component analysis, singular value decomposition/maximum covariance analysis, clustering based on spatial recurrence criteria, etc. See also Section Atlas.3.1 of the AR6 WGI report and *Teleconnection*.	
Annex VII – Glossary	Total solar irradiance (TSI)		Remove "It has recently been estimated to 1360.8 ± 0.5 W m^{-2} for the solar minimum of 2008."	
Annex VII – Glossary	Interpolation uncertainty (subterm of Uncertainty)		Added definition (was omitted) Uncertainty arising from a statistical or physical model-based interpolation of a field between available estimates to create a more spatio-temporally complete estimate.	
Annex VII – Glossary	Trend estiamtes uncertainty (subterm of Uncertainty)		Added definition (was omitted) Uncertainty arising from data fitting to a time-series with potential non-linear and autorogressive character.	
Annex VII – Glossary	Warm days/warm night		Removed definition	
Annex VII – Glossary	Warm spell		Removed definition	
Annex VII – Glossary	Younger Dryas		Replace "A period 12.85 to 11.65 ka…" by "The period from approximately 12.9 to 11.7 ka…"	