10SM

Linking Global to Regional Climate Change

Supplementary Material

Coordinating Lead Authors:
Francisco J. Doblas-Reyes (Spain), Anna A. Sörensson (Argentina)

Lead Authors:
Mansour Almazroui (Saudi Arabia), Alessandro Dosio (Italy), William J. Gutowski (United States of America), Rein Haarsma (The Netherlands), Rafiq Hamdi (Belgium), Bruce Hewitson (South Africa), Won-Tae Kwon (Republic of Korea), Benjamin L. Lamptey (Niger, Ghana/Ghana), Douglas Maraun (Austria/Germany), Tannecia S. Stephenson (Jamaica), Izuru Takayabu (Japan), Laurent Terray (France), Andrew Turner (United Kingdom), Zhiyan Zuo (China)

Contributing Authors:
Gudfina Aðalgeirsdóttir (Iceland), Bhupesh Adhikary (Nepal), Muhammad Adnan (Pakistan), Bodo Ahrens (Germany), Muhammad Amjad (Pakistan), Paola A. Arias (Colombia), Farooq Mohamed Azam (India), Ségolène Berthou (United Kingdom/France), Melissa S. Bukovsky (United States of America), Alex J. Cannon (Canada), Ana Casanueva (Spain), Annalisa Cherchi (Italy), Erika Coppola (Italy), Faye Abigail Cruz (Philippines), Joseph D. Daron (United Kingdom), Marie-Estelle Demory (Switzerland/France, Switzerland), Claudine Dereczynski (Brazil), Alejandro Di Luca (Australia, Canada/Argentina), Leandro B. Díaz (Argentina), Hervé Douville (France), Sergio Henrique Faria (Spain/Brazil), Baylor Fox-Kemper (United States of America), Shin Fukui (Japan), Laura Gallardo (Chile), Subimal Ghosh (India), Nathan P. Gillett (Canada), Melissa I. Gomis (France/Switzerland), Hugues Goosse (Belgium), Irina V. Gorodetskaya (Portugal/Belgium, Russian Federation), Michael Grose (Australia), José Manual Gutiérrez (Spain), Pandora Hope (Australia), Akm Saiful Islam (Bangladesh), Christopher D. Jack (South Africa), Richard G. Jones (United Kingdom), Martin W. Jury (Spain/Austria), Asif Khan (Pakistan), Akio Kitoh (Japan), Svitlana Krakovska (Ukraine), Gerhard Krinner (France/Germany, France), Hiroyuki Kusaka (Japan), Stefan Lange (Germany), Flavio Lehner (United States of America/Switzerland), Christopher Lennard (South Africa), Jian Li (China), Fei Liu (China), Martin Ménégoz (France), Thanh Ngo-Duc (Vietnam), Dirk Notz (Germany), Friederike Otto (United Kingdom/Germany), Wendy Parker (United States of America), Carlos Pérez García-Pando (Spain), Izidine Pinto (South Africa/Mozambique), Jan Polcher (France/Germany), Krishnan Raghavan (India), Roshanka Ranasinghe (The Netherlands/Sri Lanka, Australia), Ingo Richter (Japan/Germany), Alex C. Ruane (United States of America), Lucas Ruiz (Argentina), Sajjad Saeed (Belgium, Italy/

Pakistan), Ramiro I. Saurral (Argentina), Reinhard K.H. Schiemann (United Kingdom/Germany), Sonia I. Seneviratne (Switzerland), Chris Shaw (United Kingdom), Theodore G. Shepherd (United Kingdom/Canada), Jonathan K.P. Shonk (United Kingdom), Jana Sillmann (Norway/Germany), Didier Swingedouw (France), Bart van den Hurk (The Netherlands), Robert Vautard (France), Victor Venema (Germany/The Netherlands), Sergio M. Vicente-Serrano (Spain), Piotr Wolski (South Africa/Poland), Cunde Xiao (China), Jakob Zscheischler (Germany)

Review Editors:
Gregory M. Flato (Canada), Fredolin Tangang (Malaysia), Muhammad Irfan Tariq (Pakistan)

Chapter Scientists:
Martin W. Jury (Spain/Austria)

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10.SM.1 Regional Traceback Matrices

Table 10.SM.1 | Regional traceback matrix for Africa. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the WGI AR6 Reference Regions. African sub-regions are: Panel (a): (Mediterranean) North Africa (MED); Panel (b): Sahara (SAH); Panel (c): Western Africa (WAF); Panel (d): Central Africa (CAF); Panel (e): North Eastern Africa (NEAF); Panel (f): South Eastern Africa (SEAF); Panel (g): West Southern Africa (WSAF); Panel (h): East Southern Africa (ESAF); Panel (i): Madagascar (MDG). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	(Mediterranean) North Africa	(Mediterranean) North Africa	(Mediterranean) North Africa
	Acronym	[MED]	[MED]	[MED]
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.4
	Frost	12.4.1.1		12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	12.4.1.2; Atlas.4.2	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 12.4.1.2 and Table 12.3; Atlas.4.4,
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2 and Table 12.3
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	8.3.1.6; 12.4.1.2		8.4.1.6; 12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet	12.4.1.4		12.4.1.4 and Table 12.3
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (b)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Sahara	Sahara	Sahara
	Acronym	SAH	SAH	SAH
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2, 11.4 and Table 11.1; 12.4.1.1; Atlas.4.2	11.3.4; Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost	12.4.1.1		12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	12.4.1.2; Atlas.4.2	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5,	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3;
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6,	11.6.4 and Table 11.6,	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6,	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (c)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Western Africa	Western Africa	Western Africa
	Acronym	WAF	WAF	WAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	1.4.5.2; 8.3.1.3, 8.3.2.4.3 and Box 8.2; 12.4.1.2; Atlas.4.2	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3 and 8.4.2.4.3; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	8.3.2.4.3; 11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (d)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Central Africa	Central Africa	Central Africa
	Acronym	CAF	CAF	CAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	1.4.5.2; 8.3.1.6; 12.4.1.2; Atlas.4.2	8.3.1.6; Atlas 4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (e)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	North Eastern Africa	North Eastern Africa	North Eastern Africa
	Acronym	NEAF	NEAF	NEAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3;
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3;
Wet and Dry	Mean precipitation	1.4.5.2; 8.3.1.3, 8.3.1.6 and Box 8.2; 12.4.1.2; Atlas.4.2	Box 8.2; Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet	12.4.1.4		12.4.1.4 and Table 12.3
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (f)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	South Eastern Africa	South Eastern Africa	South Eastern Africa
	Acronym	SEAF	SEAF	SEAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3;
Wet and Dry	Mean precipitation	8.3.1.3 and Box 8.2; 12.4.1.2; Atlas.4.2	Box 8.2; Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5, 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone	11.7.1.2; 12.4.1.3	11.7.1.4	11.7.1.5; 12.4.1.3 and Table 12.3
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet	12.4.1.4		12.4.1.4 and Table 12.3
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1. and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.3
	Radiation at surface	12.4		12.4 and Table 12.3

Panel (g)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	West Southern Africa	West Southern Africa	West Southern Africa
	Acronym	WSAF	WSAF	WSAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	Tables 11.1 and 11.4, 11.3.2, 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	12.4.1.2, Atlas 4.2, 8.3.1.3	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3 and Box 8.2; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5,	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	8.3.1.6; 12.4.1.2	8.3.1.6	8.4.1.6; 12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone			
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4.1.6		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4.1.6		12.4 and Table 12.3
	Radiation at surface			12.4 and Table 12.3

Panel (h)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	East Southern Africa	East Southern Africa	East Southern Africa
	Acronym	ESAF	ESAF	ESAF
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	Tables 11.1 and 11.4, 11.3.2, 12.4.1.2	Tables 11.1 and 11.4, 11.3.5	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	8.3.1.3; 12.4.1.2; Atlas.4.2	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 8.4.1.3 and Box 8.2; 12.4.1.2 and Table 12.3; Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	8.3.1.6; 12.4.1.2	8.3.1.6	8.4.1.6; 12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone	11.7.1.2; 12.4.1.3	11.7.1.4	11.7.1.5; 12.4.1.3 and Table 12.3
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4.1.6		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4.1.6		12.4 and Table 12.3
	Radiation at surface			12.4 and Table 12.3

Panel (i)

	Region	Africa	Africa	Africa
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Madagascar	Madagascar	Madagascar
	Acronym	MDG	MDG	MDG
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1; Atlas.4.2	11.3.4 and Tables 11.1 and 11.4; Atlas.4.2	4.4.1.1, 4.5.1.1 and 4.6.1.1; 11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3; Atlas.4.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.4; 12.4.1.1	11.3.4 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Cold spell	11.3.2 and Tables 11.1 and 11.4; 12.4.1.2	11.3.5 and Tables 11.1 and 11.4	11.3.5 and Tables 11.2 and 11.4; 12.4.1.1 and Table 12.3
	Frost			12.4.1.1 and Table 12.3
Wet and Dry	Mean precipitation	Atlas.4.2	Atlas.4.2	4.4.1.3, 4.5.1.4 and 4.6.1.2; 12.4.1.2 and Table 12.3, Atlas.4.4
	River flood	11.5.2; 12.4.1.2	11.5.4	11.5.5; 12.4.1.2 and Table 12.3
	Heavy precipitation and pluvial flood	11.4.2, 11.5.2 and Table 11.5; 12.4.1.2	11.4.4, 11.5.4 and Table 11.5	11.4.5, 11.5.5 and Table 11.5; 12.4.1.2 and Table 12.3
	Landslide	12.4.1.2		12.4.1.2 and Table 12.3
	Aridity	12.4.1.2		12.4.1.2 and Table 12.3
	Hydrological drought	11.6.2 and Table 11.6; 12.4.1.2	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.3
	Agricultural and ecological drought	11.6.2 and Table 11.6; 12.4.1.3	11.6.4 and Table 11.6	11.6.5 and Table 11.6; 12.4.1.2 and Table 12.4
	Fire weather	12.4.1.2		12.4.1.2 and Table 12.3
Wind	Mean wind speed	12.4.1.3		12.4.1.3 and Table 12.3
	Severe wind storm	12.4.1.3		12.4.1.3 and Table 12.3
	Tropical cyclone	11.7.1.2; 12.4.1.3	11.7.1.4	11.7.1.5; 12.4.1.3 and Table 12.3
	Sand and dust storm	12.4.1.3		12.4.1.3 and Table 12.3
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.1.4		12.4.1.4 and Table 12.3
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal flood	12.4.1.5		12.4.1.5 and Table 12.3
	Coastal erosion	12.4.1.5		12.4.1.5 and Table 12.3
	Marine heatwave	12.4.1.5		12.4.1.5 and Table 12.3
	Ocean acidity	12.4		12.4 and Table 12.3
Other	Air pollution weather	12.4.1.6		12.4 and Table 12.3
	Atmospheric CO_2 at surface	12.4.1.6		12.4 and Table 12.3
	Radiation at surface			12.4 and Table 12.3

Table 10.SM.2 | Regional traceback matrix for Asia. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the WGI AR6 Reference Regions. Asian sub-regions are: Panel (a): East Asia (EAS); Panel (b): East Central Asia (ECA); Panel (c): Tibetan Plateau (TIB); Panel (d): South Asia (SAS); Panel (e): South East Asia (SEA); Panel (f): Arabian Peninsula (ARP); Panel (g): West Central Asia (WCA); Panel (h): West Siberia (WSB); Panel (i): East Siberia (ESB); Panel (j): Russian Far East (RFE). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Asia – East Asia	Asia – East Asia	Asia – East Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	East Asia	East Asia	East Asia
	Acronym	EAS	EAS	EAS
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	10.4.1.1; 12.4.2.1 and Atlas.5.1.2		12.4.2.1 and Table 12.4; Atlas.5.1.4
	Extreme heat	11.3.2 and Table 11.7; 12.4.2.1	11.3.4 and Table 11.7	11.3.5 and Table 11.7; 12.4.2.1 and Table 12.4
	Cold spell	11.3.2 and Table 11.7; 12.4.2.1	11.3.4 and Table 11.7	11.3.5 and Table 11.7; 12.4.2.1 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	8.3.2.4.2; 10.4.1.1; 12.4.2.2; Atlas 5.1.2	10.3.2.2	8.4.2.4.2; 12.4.2.2 and Table 12.4; Atlas.5.1.4
	River flood	10.4.1.1; 12.4.2.2		12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	8.3.1.3; 10.4.1.1; 11.4.2, Table 11.8 and Box 11.4; 12.4.2.2	11.4.4 and Table 11.8	11.4.5 and Table 11.8; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	10.4.1.1; 11.6.2.4, 11.6.2.5 and Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	11.6.2.3 and Table 11.9; 12.4.2.2	Table 11.9	11.6.5.3 and Table 11.9; 12.4.2.2 and Tables 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone	11.7.1.2 and 12.4.2.3		8.4.2.5; 11.7.1.5; 12.4.2.3 and Table 12.4
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	12.4.2.4; Atlas.5.1.2		12.4.2.4 and Table 12.4
	Permafrost			
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	11.7.3.2 and 12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4, Table 12.4

Panel (b)

	Region	Asia – East Asia	Asia – East Asia	Asia – East Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	East Central Asia	East Central Asia	East Central Asia
	Acronym	ECA	ECA	ECA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1		12.4.2.1 and Table 12.4
	Extreme heat	11.3.2; 12.4.2.1		12.4.2.1 and Table 12.4
	Cold spell	12.4.2.1		12.4.2.1 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	12.4.2.2		12.4.2.2 and Table 12.4
	River flood	12.4.2.2		12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	11.4.2; 12.4.2.2		11.4.5, 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.3.1.6; 12.4.2.2		12.4.2.2 and Table 12.4
	Hydrological drought	12.4.2.2		12.4.2.2 and Table 12.4
	Agricultural and ecological drought	12.4.2.2		12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	12.4.2.4		12.4.2.4 and Table 12.4
	Permafrost	12.4.2.4		12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm			Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche			Table 12.4
Coastal and Oceanic	Relative sea level			
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (c)

	Region	Asia – South Asia	Asia – South Asia	Asia – South Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Tibetan Plateau	Tibetan Plateau	Tibetan Plateau
	Acronym	TIB	TIB	TIB
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	Box 10.4; 12.4.2.1	Box 10.4	Box 10.4; 12.4.2.1 and Table 12.4
	Extreme heat	Box 10.4; 11.3.2; 12.4.2.1		11.3.5; 12.4.2.1 and Table 12.4
	Cold spell	Box 10.4; 11.3.2; 12.4.2.1		11.3.5; 12.4.2.1 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	Box 10.4; 12.4.2.2		12.4.2.2 and Table 12.4
	River flood	12.4.2.2		Table 12.4
	Heavy precipitation and pluvial flood	Box 10.4; 11.4.2		Box 10.4; 11.4.5 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	12.4.2.2		11.6.5.1; 12.4.2.2 and Table 12.4
	Hydrological drought	12.4.2.2		12.4.2.2 and Table 12.4
	Agricultural and ecological drought	12.4.2.2		12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	8.3.1.3 and 8.3.1.7; 9.5.1 and 9.5.3; Box 10.4; 12.4.2.4 and 12.4.2.4		8.4.1.7.1; 9.5.1 and 9.5.3; Box 10.4; 12.4.2.4, 12.4.2.4 and Table 12.4
	Permafrost	9.5.2; Box 10.4; 12.4.2.4 and 12.4.2.4	Box 10.4	9.5.2; Box 10.4; 12.4.2.4, 12.4.2.4 and Table 12.4
	Lake, river and sea ice			12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm			12.4.2.4 and Table 12.4
	Hail			12.4.2.4 and Table 12.4
	Snow avalanche			12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level			
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (d)

	Region	Asia – South Asia	Asia – South Asia	Asia – South Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	South Asia	South Asia	South Asia
	Acronym	SAS	SAS	SAS
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	5.3.5.2 and 5.3.5; 10.6.2, 10.6.3 and 10.6.10; 12.4.2.1; Atlas.1.1.2		10.6.3.6, 10.6.3.7 and 10.6.3.10; Table 11.7; 12.4.2.1 and Table 12.4; Atlas.1.1.4 and Atlas.5.3.5.4
	Extreme heat	5.3.5 and 5.3.5.2; 11.3.2; 12.4.2.1; Atlas.1.1.2		10.6.3.9; 11.3.5 and Table 11.5; 12.4.2.1 and Table 12.4
	Cold spell	12.4.2.1		Table 11.7; 12.4.2.1 and Table 12.4
	Frost	12.4.2.1		Table 11.7; 12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	8.3.1.3 and 8.3.2.4; 10.3.3.3.1, 10.6.3.2, 10.6.3.3 and 10.6.3.10; 12.4.2.2; Atlas.1.1.2 and Atlas.5.3.5.2	10.6.5; Atlas.1.1.2	8.4.1.3.1 and 8.4.2.4; 10.3.3.3.1, 10.6.3.6, 10.6.3.7 and 10.6.3.10; Table 11.4.1; 12.4.2.2 and Table 12.4; Atlas.1.1.4, Atlas.5.3.5 and Atlas 5.3.5.4
	River flood	8.2.3.2; 12.4.2.2	11.5.4	11.5.5; 12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	8.3.1.3; 11.4.2; 12.4.2.2	11.4.4 and Box 11.4	11.4.1, 11.4.5, 11.5.5 and Table 11.8; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	12.4.2.2		11.6.5.1; 12.4.2.2 and Table 12.4
	Hydrological drought	8.3.1.6; 11.6.2.5; 12.4.2.2	10.6.3.5	11.6.5.3; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.3.1.6; 12.4.2.2		12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	11.7.4; 12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	11.7.3.2; 12.4.2.3	11.7.3.4	12.4.2.3 and Table 12.4
	Tropical cyclone			12.4.2.3 and Table 12.4
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	9.5 and 9.5.3; 12.4.2.4		9.5.1 and 9.5.3; 12.4.2.4 and Table 12.4
	Permafrost	9.5.2; 12.4.2.4		9.5.2; 12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	12.4		10.6.3.6; 12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		10.6.3.6; 12.4 and Table 12.4

Panel (e)

	Region	Asia – South East Asia	Asia – South East Asia	Asia – South East Asia
	Region Type (Land/Ocean)	Land-ocean	Land-ocean	Land-ocean
	Sub-region Name	South East Asia	South East Asia	South East Asia
	Acronym	SEA	SEA	SEA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	5.4.1 and 5.4.2; 12.4.2.1; Atlas.3.1		12.4.2.1 and Table 12.4; Atlas.3.1, Atlas.5.4.1 and Atlas.5.4.4
	Extreme heat	11.3.2; 12.4.2.1; Atlas.5.4.2	11.3.4	11.3.5; 12.4.2.1 and Table 12.4
	Cold spell	12.4.2.1		11.3.5; 12.4.2.1 and Table 12.4
	Frost			
Wet and Dry	Mean precipitation	12.4.2.2; Atlas.3.1, Atlas.5.4.1 and Atlas.5.4.2		11.5.5; 12.4.2.2 and Table 12.4; Atlas.3.1, Atlas.5.4.1 and Atlas.5.4.4
	River flood	12.4.2.2		8.4.1.5; 11.5.5; 12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	11.4.2 and 11.5.2; 12.4.2.2; Atlas.5.4.2		8.4.1.5; 11.4.5 and 11.5.4; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	12.4.2.2		12.4.2.2 and Table 12.4
	Hydrological drought	11.6, 11.6.2.4 and 11.6.2.5; 12.4.2.2		11.6.5.4; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	12.4.2.2		Box 11.4; 12.4.2.2 and Table 12.4
	Fire weather	Box 11.4; 12.4.2.2		Box 11.4; 12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone	12.4.2.3	11.7.1.4	12.4.2.3 and Table 12.4
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	9.5.1 and 9.5.3; 12.4.2.4		9.5.1 and 9.5.3; 12.4.2.4 and Table 12.4
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	2.2.5.3; 12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (f)

	Region	Asia – South West Asia	Asia – South West Asia	Asia – South West Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Arabian Peninsula	Arabian Peninsula	Arabian Peninsula
	Acronym	ARP	ARP	ARP
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1; Atlas.5.5.2		12.4.2.1 and Table 12.4; Atlas.5.5.4
	Extreme heat	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7; 12.4.2.1 and Table 12.4
	Cold spell	12.4.2.1, Table 11.7	Table 11.7	Table 11.7; 12.4.2.1 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	12.4.2.2; Atlas.5.5.2		12.4.2.2 and Table 12.4; Atlas.5.5.4
	River flood	FAQ 8.2; 12.4.2.2		12.4.2.2, Table 12.4
	Heavy precipitation and pluvial flood	FAQ 8.2; Table 11.8; 12.4.2.2	Table 11.8	Table.11.8; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	11.7.4; 12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	11.7.4; 12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone	12.4.2.3		12.4.2.3 and Table 12.4
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (g)

	Region	Asia – South West Asia	Asia – South West Asia	Asia – South West Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	West Central Asia	West Central Asia	West Central Asia
	Acronym	WCA	WCA	WCA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1; Atlas.5.5.2		12.4.2.1 and Table 12.4; Atlas.5.5.4
	Extreme heat	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7 and 11.3.5; 12.4.2.1 and Table 12.4
	Cold spell	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7; 12.4.2.1 and Table 12.4
	Frost	12.4.2.1		12.4.2.1, Table 12.4
Wet and Dry	Mean precipitation	12.4.2.2; Atlas.5.5.2		12.4.2.2 and Table 12.4; Atlas.5.5.4
	River flood	FAQ 8.2; 12.4.2.2		12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	FAQ 8.2; Table 11.8; 12.4.2.2	Table 11.8	12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	11.6.5.1 and Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	8.3.1.6; Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.2.3.3, FAQ 8.3 and 8.3.1.6; Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Fire weather			12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	9.5.1 and 9.5.3; Atlas.5.5.2		9.5.1 and 9.5.3; 12.4.2.4 and Table 12.4
	Permafrost	9.5.2; 12.4.2.4		9.5.2; 12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (h)

	Region	Asia – North Asia	Asia – North Asia	Asia – North Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	West Siberia	West Siberia	West Siberia
	Acronym	WSB	WSB	WSB
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1; Atlas.5.2.2		12.4.2.1 and Table 12.4; Atlas.5.2.4
	Extreme heat	Table 11.7; 12.4.2.1	Table 11.7	11.3.5 and Table 11.7; 12.4.2.1 and Table 12.4
	Cold spell	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7; 12.4.2.2 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	2.3.1.3.4; 8.3.1.3; 10.4.1.2 and 10.4.2.4; 12.4.2.2; Atlas.5.2.2		12.4.2.2 and Table 12.4; Atlas.5.2.4
	River flood	FAQ 8.2; 12.4.2.2		11.5.5; 12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	8.3.1.3 and FAQ 8.2; 11.4.2 and Table 11.8; 12.4.2.2	Table 11.8	11.4.5 and Table 11.8; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	2.3.1.4.4; 12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2; 8.3.1.7.2; 9.5.1 and 9.5.3; Atlas.5.2.2	3.4.2	9.5.1 and 9.5.3; 12.4.2.4 and Table 12.4
	Permafrost	9.5.2; 12.4.2.4		9.5.2; 12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level			
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (i)

	Region	Asia – North Asia	Asia – North Asia	Asia – North Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	East Siberia	East Siberia	East Siberia
	Acronym	ESB	ESB	ESB
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1; Atlas.5.2.2		12.4.2.1 and Table 12.4; Atlas.5.2.4
	Extreme heat	Table 11.7; 12.4.2.1	Table 11.7	11.3.5 and Table 11.7; 12.4.2.1 and Table 12.4
	Cold spell	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7; 12.4.2.2 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	2.3.1.3.4; 8.3.1.3; 10.4.1.2 and 10.4.2.4; 12.4.2.2; Atlas.5.2.2		12.4.2.2 and Table 12.4; Atlas.5.2.4
	River flood	FAQ 8.2; 11.5.2; 12.4.2.2		11.5.5; 12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	8.3.1.3 and FAQ 8.2; 11.4.2 and Table 11.8; 12.4.2.2	Table 11.8	Table 11.8 and 11.4.5; 12.4.2.2 and Table 12.4
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	8.4.1.6; Table 11.9; 12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	2.3.1.4.4; 12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2; 8.3.1.7.2; 9.5.1 and 9.5.3; Atlas.5.2.2	3.4.2	9.5.1 and 9.5.3; 12.4.2.4 and Table 12.4
	Permafrost	9.5.2; 12.4.2.4		9.5.2; 12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level			
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Panel (j)

	Region	Asia – North Asia	Asia – North Asia	Asia – North Asia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Russian Far East	Russian Far East	Russian Far East
	Acronym	RFE	RFE	RFE
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.2.1; Atlas.5.2.2		12.4.2.1 and Table 12.4; Atlas.5.2.4
	Extreme heat	Table 11.7; 12.4.2.1	Table 11.7	11.3.5 and Table 11.7; 12.4.2.1 and Table 12.4
	Cold spell	Table 11.7; 12.4.2.1	Table 11.7	Table 11.7; 12.4.2.2 and Table 12.4
	Frost	12.4.2.1		12.4.2.1 and Table 12.4
Wet and Dry	Mean precipitation	2.3.1.3.4; 8.3.1.3; 12.4.2.2; Atlas.5.2.2		12.4.2.2 and Table 12.4; Atlas.5.2.4
	River flood	11.5.2; 12.4.2.2		11.5.5; 12.4.2.2 and Table 12.4
	Heavy precipitation and pluvial flood	8.3.1.3; 11.4.2 and Table 11.8; 12.4.2.2	Table 11.8	11.4.5 and Table 11.8; 12.4.2.2
	Landslide	12.4.2.2		12.4.2.2 and Table 12.4
	Aridity	8.2.3.3 and FAQ 8.3; 11.6.5.1 and Table 11.9; 12.4.2.2	Table 11.9	11.6.5.1 and Table 11.9; 12.4.2.2 and Table 12.4
	Hydrological drought	Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Agricultural and ecological drought	8.2.3.3 and FAQ 8.3; Table 11.9; 12.4.2.2	Table 11.9	Table 11.9; 12.4.2.2 and Table 12.4
	Fire weather	12.4.2.2		12.4.2.2 and Table 12.4
Wind	Mean wind speed	12.4.2.3		12.4.2.3 and Table 12.4
	Severe wind storm	12.4.2.3		12.4.2.3 and Table 12.4
	Tropical cyclone			
	Sand and dust storm	12.4.2.3		12.4.2.3 and Table 12.4
Snow and Ice	Snow, glacier and ice sheet	8.3.1.7.2; 9.5.1 and 9.5.3; Atlas.5.2.2		9.5.1 and 9.5.3; 12.4.2.4
	Permafrost	2.3.2.5; 9.5.2; 12.4.2.4		9.5.2; 12.4.2.4 and Table 12.4
	Lake, river and sea ice	12.4.2.4		12.4.2.4 and Table 12.4
	Heavy snowfall and ice storm	12.4.2.4		12.4.2.4 and Table 12.4
	Hail	12.4.2.4		12.4.2.4 and Table 12.4
	Snow avalanche	12.4.2.4		12.4.2.4 and Table 12.4
Coastal and Oceanic	Relative sea level	12.4.2.5		12.4.2.5 and Table 12.4;
	Coastal flood	12.4.2.5		12.4.2.5 and Table 12.4;
	Coastal erosion	12.4.2.5		12.4.2.5 and Table 12.4;
	Marine heatwave	12.4.2.5		12.4.2.5 and Table 12.4;
	Ocean acidity	12.4		12.4 and Table 12.4
Other	Air pollution weather	12.4		12.4 and Table 12.4
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.4
	Radiation at surface	12.4		12.4 and Table 12.4

Table 10.SM.3 | Regional traceback matrix for Australasia. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. Australasian sub-regions are: Panel (a): Northern Australia (NAU), Panel (b): Central Australia (CAU), Panel (c): Eastern Australia (EAU), Panel (d): Southern Australia (SAU), Panel €: New Zealand (NZ). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Australasia	Australasia	Australasia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Northern Australia	Northern Australia	Northern Australia
	Acronym	NAU	NAU	NAU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.3.1; Atlas.6.2		1.3.6; 12.4.3.1 and Table 12.5; Atlas.6.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Cold spell	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6:	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Frost	12.4.3.1		12.4.3.1 and Table 12.5
Wet and Dry	Mean precipitation	12.4.3.2; Atlas.6.2		12.4.3.2 and Table 12.5; Atlas.6.4
	River flood	11.5.2 and Tables 11.1 and 11.6; 12.4.3.2	11.5.4 and Tables 11.1 and 11.6	11.5.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Heavy precipitation and pluvial flood	Table 11.1; Table 11.6: 11.4.2; 12.4.3.2	11.4.4 and Tables 11.1 and 11.6:	11.4.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Landslide			
	Aridity	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2
	Hydrological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2
	Agricultural and ecological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2
	Fire weather	12.4.3.2		12.4.3.2 and Table 12.5
Wind	Mean wind speed	12.4.3.3		12.4.3.3 and Table 12.5
	Severe wind storm	12.4.3.3		12.4.3.3 and Table 12.5
	Tropical cyclone	12.4.3.3		12.4.3.3 and Table 12.5
	Sand and dust storm	12.4.3.3		12.4.3.3 and Table 12.5
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal flood	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal erosion	12.4.3.5		12.4.3.5 and Table 12.5
	Marine heatwave	12.4.3.5		12.4.3.5 and Table 12.5
	Ocean acidity	12.4		12.4 and Table 12.5
Other	Air pollution weather	12.4		12.4 and Table 12.5
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.5
	Radiation at surface	12.4		12.4 and Table 12.5

Panel (b)

	Region	Australasia	Australasia	Australasia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Central Australia	Central Australia	Central Australia
	Acronym	CAU	CAU	CAU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.3.1; Atlas.6.2		1.3.6; 12.4.3.1 and Table 12.5; Atlas.6.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Cold spell	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Frost	12.4.3.1		12.4.3.1 and Table 12.5
Wet and Dry	Mean precipitation	12.4.3.2 and Table 12.5; Atlas.6.2		12.4.3.2 and Table 12.5; Atlas.6.4
	River flood	11.5.2 and Tables 11.1 and 11.6; 12.4.3.2	11.5.4 and Tables 11.1 and 11.6	11.5.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Heavy precipitation and pluvial flood	11.4.2 and Tables 11.1 and 11.6; 12.4.3.2	11.4.4 and Tables 11.1 and 11.6	11.4.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Landslide			
	Aridity	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6:	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Hydrological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6:	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Agricultural and ecological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6:	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Fire weather	12.4.3.2		12.4.3.2 and Table 12.5
Wind	Mean wind speed	12.4.3.3		12.4.3.3 and Table 12.5
	Severe wind storm	12.4.3.3		12.4.3.3 and Table 12.5
	Tropical cyclone	12.4.3.3		12.4.3.3 and Table 12.5
	Sand and dust storm	12.4.3.3		12.4.3.3 and Table 12.5
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal flood	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal erosion	12.4.3.5		12.4.3.5 and Table 12.5
	Marine heatwave	12.4.3.5		12.4.3.5 and Table 12.5
	Ocean acidity	12.4		12.4 and Table 12.5
Other	Air pollution weather	12.4		12.4 and Table 12.5
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.5
	Radiation at surface	12.4		12.4 and Table 12.5

Panel (c)

	Region	Australasia	Australasia	Australasia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Eastern Australia	Eastern Australia	Eastern Australia
	Acronym	EAU	EAU	EAU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.3.1; Atlas.6.2		1.3.6; 12.4.3.1 and Table 12.5; Atlas.6.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Cold spell	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Frost	12.4.3.1		12.4.3.1 and Table 12.5
Wet and Dry	Mean precipitation	12.4.3.2 and Table 12.5; Atlas.6.2		12.4.3.2 and Table 12.5; Atlas.6.4
	River flood	11.5.2 and Tables 11.1 and 11.6; 12.4.3.2	11.5.4 and Tables 11.1 and 11.6	11.5.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Heavy precipitation and pluvial flood	11.4.2 and Tables 11.1 and 11.6; 12.4.3.2	11.4.4 and Tables 11.1 and 11.6	11.4.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Landslide			
	Aridity	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Hydrological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Agricultural and ecological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Fire weather	12.4.3.2		12.4.3.2 and Table 12.5
Wind	Mean wind speed	12.4.3.3		12.4.3.3 and Table 12.5
	Severe wind storm	12.4.3.3		12.4.3.3 and Table 12.5
	Tropical cyclone	12.4.3.3		12.4.3.3 and Table 12.5
	Sand and dust storm	12.4.3.3		12.4.3.3 and Table 12.5
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.3.4		12.4.3.4 and Table 12.5
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal flood	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal erosion	12.4.3.5		12.4.3.5 and Table 12.5
	Marine heatwave	12.4.3.5		12.4.3.5 and Table 12.5
	Ocean acidity	12.4		12.4 and Table 12.5
Other	Air pollution weather	12.4		12.4 and Table 12.5
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.5
	Radiation at surface	12.4		12.4 and Table 12.5

Panel (d)

	Region	Australasia	Australasia	Australasia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Southern Australia	Southern Australia	Southern Australia
	Acronym	SAU	SAU	SAU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.3.1; Atlas.6.2		1.3.6; 12.4.3.1; and Table 12.5; Atlas.6.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Cold spell	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Frost	12.4.3.1		12.4.3.1 and Table 12.5
Wet and Dry	Mean precipitation	12.4.3.2 and Table 12.5; Atlas.6.2		12.4.3.2 and Table 12.5; Atlas.6.4
	River flood	11.5.2 and Tables 11.1 and 11.6; 12.4.3.2	11.5.4 and Tables 11.1 and 11.6	11.5.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Heavy precipitation and pluvial flood	11.4.2 and Tables 11.1 and 11.6; 12.4.3.2	11.4.4 and Tables 11.1 and 11.6	11.4.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Landslide			
	Aridity	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Hydrological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Agricultural and ecological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Fire weather	12.4.3.2		12.4.3.2 and Table 12.5
Wind	Mean wind speed	12.4.3.3		12.4.3.3 and Table 12.5
	Severe wind storm	12.4.3.3		12.4.3.3 and Table 12.5
	Tropical cyclone	12.4.3.3		12.4.3.3 and Table 12.5
	Sand and dust storm	12.4.3.3		12.4.3.3 and Table 12.5
Snow and Ice	Snow, glacier and ice sheet	12.4.3.4		12.4.3.4 and Table 12.5
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.3.4		12.4.3.4 and Table 12.5
	Snow avalanche	12.4.3.4		12.4.3.4 and Table 12.5
Coastal and Oceanic	Relative sea level	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal flood	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal erosion	12.4.3.5		12.4.3.5 and Table 12.5
	Marine heatwave	12.4.3.5		12.4.3.5 and Table 12.5
	Ocean acidity	12.4		12.4 and Table 12.5
Other	Air pollution weather	12.4		12.4 and Table 12.5
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.5
	Radiation at surface	12.4		12.4 and Table 12.5

Panel (e)

	Region	Australasia	Australasia	Australasia
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	New Zealand	New Zealand	New Zealand
	Acronym	NZ	NZ	NZ
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.3.1; Atlas.6.2		12.4.3.1 and Table 12.5; Atlas.6.4
	Extreme heat	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Cold spell	11.3.2 and Tables 11.1 and 11.6; 12.4.3.1	11.3.4 and Tables 11.1 and 11.6	11.3.5 and Tables 11.2 and 11.6; 12.4.3.1 and Table 12.5
	Frost	12.4.3.1		12.4.3.1 and Table 12.5
Wet and Dry	Mean precipitation	12.4.3.2 and Table 12.5; Atlas.6.2		12.4.3.2 and Table 12.5; Atlas.6.4
	River flood	11.5.2 and Tables 11.1 and 11.6; 12.4.3.2	11.5.4 and Tables 11.1 and 11.6	11.5.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Heavy precipitation and pluvial flood	11.4.2 and Tables 11.1 and 11.6; 12.4.3.2	11.4.4 and Tables 11.1 and 11.6	11.4.5 and Tables 11.2 and 11.6; 12.4.3.2 and Table 12.5
	Landslide	12.4.3.2		12.4.3.2 and Table 12.5
	Aridity	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Hydrological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Agricultural and ecological drought	11.6.2 and Tables 11.1 and 11.6; 12.4.3.2	11.6.4 and Tables 11.1 and 11.6	11.6.5 and Tables 11.1 and 11.6; 12.4.3.2 and Table 12.5
	Fire weather	12.4.3.2		12.4.3.2 and Table 12.5
Wind	Mean wind speed	12.4.3.3		12.4.3.3 and Table 12.5
	Severe wind storm	12.4.3.3		12.4.3.3 and Table 12.5
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.3.4		12.4.3.4 and Table 12.5
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm	12.4.3.4		12.4.3.4 and Table 12.5
	Hail	12.4.3.4		12.4.3.4 and Table 12.5
	Snow avalanche	12.4.3.4		12.4.3.4 and Table 12.5
Coastal and Oceanic	Relative sea level	12.4.3.5		12.4.3.5 and Table 12.5
	Coastal flood			12.4.3.5 and Table 12.5
	Coastal erosion			12.4.3.5 and Table 12.5
	Marine heatwave	12.4.3.5		12.4.3.5 and Table 12.5
	Ocean acidity	12.4		12.4 and Table 12.5
Other	Air pollution weather	12.4		12.4 and Table 12.5
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.5
	Radiation at surface	12.4		12.4 and Table 12.5

Table 10.SM.4 | Regional traceback matrix for Central America. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. Central American sub-regions are: Panel (a): Southern Central America (SCA) and Panel (b): Northern Central America (NCA). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Central America	Central America	Central America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Southern Central America	Southern Central America	Southern Central America
	Acronym	SCA	SCA	SCA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1		12.4.4.1 and Table 12.6
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost			12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	8.3.2.4.4; 12.4.4.2		8.4.1.3; 12.4.4.2 and Table 12.6
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2 and Table 12.6
	Aridity	8.3.1.6; 12.4.4.2	8.3.1.6	8.4.1.6; 12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (b)

	Region	Central America	Central America	Central America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Northern Central America	Northern Central America	Northern Central America
	Acronym	NCA	NCA	NCA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.6.1; Atlas.5.7.2		12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
Wet and Dry	Mean precipitation	12.4.6.2		12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide	12.4.6.2		12.4.6.2 and Table 12.8
	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone	12.4.6.3		12.4.6.3 and Table 12.8
	Sand and dust storm	12.4.6.3		12.4.6.3 and Table 12.8
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail	12.4.6.4		12.4.6.4 and Table 12.8
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Table 10.SM.5 | Regional traceback matrix for South America. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. South American sub-regions are: Panel (a): North-Western South America (NWS), Panel (b): Northern South America (NSA), Panel (c): North-Eastern South America (NES), Panel (d): South American Monsoon (SAM), Panel (e): South-Western South America (SWS), Panel (f): South-Eastern South America (SES), Panel (g): Southern South America (SSA). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	North-Western South America	North-Western South America	North-Western South America
	Acronym	NWS	NWS	NWS
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas.7.2.2	1.4.2.2; Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost	12.4.4.1		12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	8.3.1.3; 12.4.4.2; Atlas.7.2.2	Atlas.7.2.2	12.4.4.2 and Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2 and Table 12.6
	Aridity	12.4.4.2		12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15 and 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15 and 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (b)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Northern South America	Northern South America	Northern South America
	Acronym	NSA	NSA	NSA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	FAQ 1.2; 12.4.4.1; Atlas.7.2.2	1.4.2.2; Atlas.7.2.2	1.4.3.2; 12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost			
Wet and Dry	Mean precipitation	12.4.4.2; Atlas.7.2.2	Atlas.7.2.2	12.4.4.2, Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2, Table 12.6
	Aridity	12.4.4.2		12.4.4.2, Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15; 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15; 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		8.4.1.7.1; 12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (c)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	North-Eastern South America	North-Eastern South America	North-Eastern South America
	Acronym	NES	NES	NES
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas.7.2.2	1.4.2.2; Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost			
Wet and Dry	Mean precipitation	8.3.2.4.5; 12.4.4.2; Atlas.7.2.2	Atlas.7.2.2	8.4.1.3; 12.4.4.2 and Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	Table 11.14 and 11.4.5; 12.4.4.2 and Table 12.6
	Landslide			
	Aridity	12.4.4.2		12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (d)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	South American Monsoon	South American Monsoon	South American Monsoon
	Acronym	SAM	SAM	SAM
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas.7.2.2	1.4.2.2; Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost	12.4.4.1		12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	8.3.1.3 and 8.3.2.4.5; 12.4.4.2; Atlas.7.2.2	8.3.1.3 and 8.4.1.5; Atlas.7.2.2	8.4.2.5 and Box 8.2; 12.4.4.2 and Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide			
	Aridity	12.4.4.2		8.4.1.6 and 8.6.2.1; 12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15; 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	Table 11.15; 11.6.4	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (e)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	South-Western South America	South-Western South America	South-Western South America
	Acronym	SWS	SWS	SWS
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas.7.2.2	Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost	12.4.4.1		12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	8.3.1.3; 12.4.4.2; Atlas7.2.2	8.3.1.3; Atlas7.2.2	12.4.4.2 and Table 12.6; Atlas7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2 and Table 12.6
	Aridity	8.3.1.6; 12.4.4.2	8.3.1.6	8.4.1.6; 12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm	12.4.4.3		12.4.4.3 and Table 12.6
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (f)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	South-Eastern South America	South-Eastern South America	South-Eastern South America
	Acronym	SES	SES	SES
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas.7.2.2	Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas.7.2.4
	Extreme heat	CC-Box 10.3; 11.3.2 and Table 11.13; 12.4.4.1	CC-Box 10.3; Table 11.13	CC-Box 10.3; 11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost	12.4.4.1		12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	8.3.1.3 and 8.3.2.4.5; 10.4.2.2; 12.4.4.2; Atlas.7.2.2	8.3.1.3; 10.4.2.2; Atlas7.2.2	8.5.2.1; 12.4.4.2 and Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2 and Table 12.6
	Aridity	12.4.4.2		12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm	12.4.4.3		12.4.4.3 and Table 12.6
Snow and Ice	Snow, glacier and ice sheet	12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Panel (g)

	Region	South America	South America	South America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Southern South America	Southern South America	Southern South America
	Acronym	SSA	SSA	SSA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.4.1; Atlas7.2.2	Atlas.7.2.2	12.4.4.1 and Table 12.6; Atlas7.2.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Cold spell	11.3.2 and Table 11.13; 12.4.4.1	Table 11.13	11.3.5 and Table 11.13; 12.4.4.1 and Table 12.6
	Frost	12.4.4.1		12.4.4.1 and Table 12.6
Wet and Dry	Mean precipitation	12.4.4.2; Atlas.7.2.2	Atlas.7.2.2	12.4.4.2 and Table 12.6; Atlas.7.2.4
	River flood	11.5.2; 12.4.4.2		11.5.5; 12.4.4.2 and Table 12.6
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.4.2	Table 11.14	11.4.5 and Table 11.14; 12.4.4.2 and Table 12.6
	Landslide	12.4.4.2		12.4.4.2 and Table 12.6
	Aridity	12.4.4.2		12.4.4.2 and Table 12.6
	Hydrological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.4.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.4.2 and Table 12.6
	Fire weather	12.4.4.2		12.4.4.2 and Table 12.6
Wind	Mean wind speed	12.4.4.3		12.4.4.3 and Table 12.6
	Severe wind storm	12.4.4.3		12.4.4.3 and Table 12.6
	Tropical cyclone	12.4.4.3		12.4.4.3 and Table 12.6
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	8.3.1.7.1; 12.4.4.4		12.4.4.4 and Table 12.6
	Permafrost	12.4.4.4		12.4.4.4 and Table 12.6
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal flood	12.4.4.5		12.4.4.5 and Table 12.6
	Coastal erosion	12.4.4.5		12.4.4.5 and Table 12.6
	Marine heatwave	12.4.4.5		12.4.4.5 and Table 12.6
	Ocean acidity	12.4		12.4 and Table 12.6
Other	Air pollution weather	12.4		12.4 and Table 12.6
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.6
	Radiation at surface	12.4		12.4 and Table 12.6

Table 10.SM.6 | Regional traceback matrix for Europe. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. European sub-regions are: Panel (a): Northern Europe (NEU), Panel (b): Western and Central Europe (WCE), Panel (c): Eastern Europe (EEU), Panel (d): Mediterranean Europe (MED). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Europe	Europe	Europe
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Northern Europe	Northern Europe	Northern Europe
	Acronym	NEU	NEU	NEU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.5.1; Atlas.8.2	1.4.2.2; Atlas.8.2	12.4.5.1 and Table 12.7; Atlas.8.4
	Extreme heat	Table 11.8	Table 11.8	12.4.5.1 and Table 12.7
	Cold spell	12.4.5.1		12.4.5.1 and Table 12.7
	Frost	12.4.5.1		12.4.5.1 and Table 12.7
Wet and Dry	Mean precipitation	Atlas.8.2	Atlas.8.2	8.4; 12.4.5.2 and Table 12.7; Atlas.8.4
	River flood	12.4.5.2		12.4.5.2 and Table 12.7
	Heavy precipitation and pluvial flood	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Landslide	12.4.5.2		12.4.5.2 and Table 12.7
	Aridity	12.4.5.2		12.4.5.2 and Table 12.7
	Hydrological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Agricultural and ecological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Fire weather	12.4.5.2		12.4.5.2 and Table 12.7
Wind	Mean wind speed	12.4.5.3		12.4.5.3 and Table 12.7
	Severe wind storm	12.4.5.3		12.4.5.3 and Table 12.7
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	9.5.1; 12.4.5.4; Atlas.8.2	Atlas.8.2	12.4.5.4 and Table 12.7; Atlas.8.4
	Permafrost	12.4.5.4		12.4.5.4 and Table 12.7
	Lake, river and sea ice			12.4.5.4 and Table 12.7
	Heavy snowfall and ice storm			12.4.5.4 and Table 12.7
	Hail			12.4.5.4 and Table 12.7
	Snow avalanche			12.4.5.4 and Table 12.7
Coastal and Oceanic	Relative sea level	12.4.5.5		12.4.5.5 and Table 12.7
	Coastal flood	12.4.5.5		12.4.5.5 and Table 12.7
	Coastal erosion	12.4.5.5		12.4.5.5 and Table 12.7
	Marine heatwave	12.4.5.5		12.4.5.5 and Table 12.7
	Ocean acidity	12.4		12.4 and Table 12.7
Other	Air pollution weather	12.4		12.4 and Table 12.7
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.7
	Radiation at surface	12.4	Atlas.8.2	12.4 and Table 12.7

Panel (b)

	Region	Europe	Europe	Europe
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Western and Central Europe	Western and Central Europe	Western and Central Europe
	Acronym	WCE	WCE	WCE
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.5.1; Atlas.8.2	1.4.2.2; Atlas.8.2	12.4.5.1 and Table 12.7; Atlas.8.4
	Extreme heat	Table 11.8	Table 11.8	12.4.5.1 and Table 12.7
	Cold spell	12.4.5.1		12.4.5.1 and Table 12.7
	Frost	12.4.5.1		12.4.5.1 and Table 12.7
Wet and Dry	Mean precipitation	Atlas.8.2	Atlas.8.2	8.4.1.3; 12.4.5.2; Atlas.8.4
	River flood	12.4.5.2		12.4.5.2 and Table 12.7
	Heavy precipitation and pluvial flood	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Landslide	12.4.5.2		12.4.5.2 and Table 12.7
	Aridity	12.4.5.2		12.4.5.2 and Table 12.7
	Hydrological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Agricultural and ecological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.77
	Fire weather	12.4.5.2		12.4.5.2 and Table 12.7
Wind	Mean wind speed	12.4.5.3		12.4.5.3 and Table 12.7
	Severe wind storm	12.4.5.3		12.4.5.3 and Table 12.7
	Tropical cyclone			
	Sand and dust storm	12.4.5.3		12.4.5.3 and Table 12.7
Snow and Ice	Snow, glacier and ice sheet	9.5.1; 12.4.5.4; Atlas.8.2	Atlas.8.2	12.4.5.4 and Table 12.7; Atlas.8.4
	Permafrost	12.4.5.4		12.4.5.4 and Table 12.7
	Lake, river and sea ice			12.4.5.4 and Table 12.7
	Heavy snowfall and ice storm			12.4.5.4 and Table 12.7
	Hail			12.4.5.4 and Table 12.7
	Snow avalanche			12.4.5.4 and Table 12.7
Coastal and Oceanic	Relative sea level	12.4.5.5		12.4.5.5 and Table 12.7
	Coastal flood	12.4.5.5		12.4.5.5 and Table 12.7
	Coastal erosion	12.4.5.5		12.4.5.5 and Table 12.7
	Marine heatwave	12.4.5.5		12.4.5.5 and Table 12.7
	Ocean acidity	12.4		12.4 and Table 12.7
Other	Air pollution weather	12.4		12.4 and Table 12.7
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.7
	Radiation at surface	12.4	Atlas.8.2	12.4 and Table 12.7

Panel (c)

	Region	Europe	Europe	Europe
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Eastern Europe	Eastern Europe	Eastern Europe
	Acronym	EEU	EEU	EEU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	Atlas.8.2	Atlas.8.2	12.4.5.1 and Table 12.7; Atlas.8.4
	Extreme heat	Table 11.8	Table 11.8	12.4.5.1 and Table 12.7
	Cold spell	12.4.5.1		12.4.5.1 and Table 12.7
	Frost	12.4.5.1		12.4.5.1 and Table 12.7
Wet and Dry	Mean precipitation	Atlas.8.2	Atlas.8.2	8.4; 12.4.5.2 and Table 12.7; Atlas.8.4
	River flood	12.4.5.2		12.4.5.2 and Table 12.7
	Heavy precipitation and pluvial flood	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Landslide	12.4.5.2		12.4.5.2 and Table 12.7
	Aridity	12.4.5.2		12.4.5.2 and Table 12.7
	Hydrological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Agricultural and ecological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Fire weather	12.4.5.2		12.4.5.2 and Table 12.7
Wind	Mean wind speed	12.4.5.3		12.4.5.3 and Table 12.7
	Severe wind storm	12.4.5.3		12.4.5.3 and Table 12.7
	Tropical cyclone			
	Sand and dust storm	12.4.5.3		12.4.5.3 and Table 12.7
Snow and Ice	Snow, glacier and ice sheet	9.5.1; 12.4.5.4; Atlas.8.2	Atlas.8.2	12.4.5.4 and Table 12.7; Atlas.8.4
	Permafrost			
	Lake, river and sea ice			12.4.5.4 and Table 12.7
	Heavy snowfall and ice storm			12.4.5.4 and Table 12.7
	Hail			12.4.5.4 and Table 12.7
	Snow avalanche			12.4.5.4 and Table 12.7
Coastal and Oceanic	Relative sea level			
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather	12.4		12.4 and Table 12.7
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.7
	Radiation at surface	12.4		12.4 and Table 12.7

Panel (d)

	Region	Europe	Europe	Europe
	Region Type (Land/Ocean)	Land-Ocean	Land-Ocean	Land-Ocean
	Sub-region Name	Mediterranean Europe	Mediterranean Europe	Mediterranean Europe
	Acronym	[MED]	[MED]	[MED]
	Data Type	Observational	Detection and attribution	Projections
Wet and Dry	Mean air temperature	Atlas.8.2	Atlas.8.2	12.4.5.1 and Table 12.7; Atlas.8.4
	Extreme heat	Table 11.8	Table 11.8	12.4.5.1 and Table 12.7
	Cold spell	12.4.5.1		12.4.5.1 and Table 12.7
	Frost	12.4.5.1		12.4.5.1 and Table 12.7
	Mean precipitation	Atlas.8.2	Atlas.8.2	8.4; 12.4.5.2 and Table 12.7; Atlas.8.4
	River flood	12.4.5.2		12.4.5.2 and Table 12.7
	Heavy precipitation and pluvial flood	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Landslide	12.4.5.2		12.4.5.2 and Table 12.7
Wind	Aridity	12.4.5.2		12.4.5.2 and Table 12.7
	Hydrological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Agricultural and ecological drought	Table 11.8	Table 11.8	12.4.5.2 and Table 12.7
	Fire weather	12.4.5.2		12.4.5.2 and Table 12.7
Snow and Ice	Mean wind speed	12.4.5.3		12.4.5.3 and Table 12.7
	Severe wind storm	12.4.5.3		12.4.5.3 and Table 12.7
	Tropical cyclone			
	Sand and dust storm	12.4.5.3		12.4.5.3 and Table 12.7
	Snow, glacier and ice sheet	9.5.1; 12.4.5.4; Atlas.8.2	Atlas.8.2	12.4.5.4 and Table 12.7; Atlas.8.4
	Permafrost	12.4.5.4		12.4.5.4 and Table 12.7
Coastal and Oceanic	Lake, river and sea ice			12.4.5.4 and Table 12.7
	Heavy snowfall and ice storm			12.4.5.4 and Table 12.7
	Hail			12.4.5.4 and Table 12.7
	Snow avalanche			12.4.5.4 and Table 12.7
	Relative sea level	12.4.5.5		12.4.5.5 and Table 12.7
Other	Coastal flood	12.4.5.5		12.4.5.5 and Table 12.7
	Coastal erosion	12.4.5.5		12.4.5.5 and Table 12.7
	Marine heatwave	12.4.5.5		12.4.5.5 and Table 12.7
	Ocean acidity	12.4		12.4 and Table 12.7
Other	Air pollution weather	12.4		12.4 and Table 12.7
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.7
	Radiation at surface	12.4	Atlas.8.2	12.4 and Table 12.7

Table 10.SM.7 | Regional traceback matrix for North America. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. North American sub-regions are: Panel (a): North-Western North America (NWN), Panel (b): North-Eastern North America (NEN), Panel (c): Western North America (WNA), Panel (d): Central North America (CNA), Panel (e): Eastern North America (ENA). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	North America	North America	North America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	North-Western North America	North-Western North America	North-Western North America
	Acronym	NWN	NWN	NWN
	Data Type	Observational	Detection and attribution	Projections
Wet and Dry	Mean air temperature	12.4.6.1; Atlas.5.7.2		12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
	Mean precipitation	12.4.6.2		12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Snow and Ice	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone			
	Sand and dust storm			
	Snow, glacier and ice sheet	12.4.6.4		12.4.6.4 and Table 12.8; Atlas.5.7.4
	Permafrost	12.4.6.4		12.4.6.4 and Table 12.8
Coastal and Oceanic	Lake, river and sea ice	12.4.6.4		12.4.6.4 and Table 12.8
	Heavy snowfall and ice storm	12.4.6.4		12.4.6.4 and Table 12.8
	Hail			
	Snow avalanche	12.4.6.4		12.4.6.4 and Table 12.8
	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
Other	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Panel (b)

	Region	North America	North America	North America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	North-Eastern North America	North-Eastern North America	North-Eastern North America
	Acronym	NEN	NEN	NEN
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.6.1; Atlas.5.7.2		12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
Wet and Dry	Mean precipitation	12.4.6.2		12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide			
	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.6.4		12.4.6.4 and Table 12.8; Atlas.5.7.4
	Permafrost	12.4.6.4		12.4.6.4 and Table 12.8
	Lake, river and sea ice	12.4.6.4		12.4.6.4 and Table 12.8
	Heavy snowfall and ice storm	12.4.6.4		12.4.6.4 and Table 12.8
	Hail			
	Snow avalanche	12.4.6.4		12.4.6.4 and Table 12.8
Coastal and Oceanic	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Panel (c)

	Region	North America	North America	North America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Western North America	Western North America	Western North America
	Acronym	WNA	WNA	WNA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.6.1; Atlas.5.7.2	1.4.2.2; 10.4.2.3	12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
Wet and Dry	Mean precipitation	12.4.6.2	10.4.2.3	12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide	12.4.6.2		12.4.6.2 and Table 12.8
	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone	12.4.6.3		12.4.6.3 and Table 12.8
	Sand and dust storm	12.4.6.3		12.4.6.3 and Table 12.8
Snow and Ice	Snow, glacier and ice sheet	12.4.6.4		12.4.6.4 and Table 12.8; Atlas.5.7.4
	Permafrost			
	Lake, river and sea ice	12.4.6.4		12.4.6.4 and Table 12.8
	Heavy snowfall and ice storm	12.4.6.4		12.4.6.4 and Table 12.8
	Hail	12.4.6.4		12.4.6.4 and Table 12.8
	Snow avalanche	12.4.6.4		12.4.6.4 and Table 12.8
Coastal and Oceanic	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Panel (d)

	Region	North America	North America	North America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Central North America	Central North America	Central North America
	Acronym	CNA	CNA	CNA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	FAQ 1.2; 12.4.6.1; Atlas.5.7.2	1.4.2.2	1.3.6; 12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
Wet and Dry	Mean precipitation	12.4.6.2		12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide			
	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone	12.4.6.3		12.4.6.3 and Table 12.8
	Sand and dust storm	12.4.6.3		12.4.6.3 and Table 12.8
Snow and Ice	Snow, glacier and ice sheet	12.4.6.4		12.4.6.4 and Table 12.8; Atlas.5.7.4
	Permafrost			
	Lake, river and sea ice	12.4.6.4		12.4.6.4 and Table 12.8
	Heavy snowfall and ice storm	12.4.6.4		12.4.6.4 and Table 12.8
	Hail	12.4.6.4		12.4.6.4 and Table 12.8
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Panel (e)

	Region	North America	North America	North America
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Eastern North America	Eastern North America	Eastern North America
	Acronym	ENA	ENA	ENA
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.6.1; Atlas.5.7.2		12.4.6.1 and Table 12.8; Atlas.5.7.4
	Extreme heat	12.4.6.1		12.4.6.1 and Table 12.8
	Cold spell	12.4.6.1		12.4.6.1 and Table 12.8
	Frost	12.4.6.1		12.4.6.1 and Table 12.8
Wet and Dry	Mean precipitation	12.4.6.2		12.4.6.2 and Table 12.8; Atlas.5.7.4
	River flood	12.4.6.2		12.4.6.2 and Table 12.8
	Heavy precipitation and pluvial flood	12.4.6.2		12.4.6.2 and Table 12.8
	Landslide	12.4.6.2		12.4.6.2 and Table 12.8
	Aridity	12.4.6.2		12.4.6.2 and Table 12.8
	Hydrological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Agricultural and ecological drought	12.4.6.2		12.4.6.2 and Table 12.8
	Fire weather	12.4.6.2		12.4.6.2 and Table 12.8
Wind	Mean wind speed	12.4.6.3		12.4.6.3 and Table 12.8
	Severe wind storm	12.4.6.3		12.4.6.3 and Table 12.8
	Tropical cyclone	12.4.6.3		12.4.6.3 and Table 12.8
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	12.4.6.4		12.4.6.4 and Table 12.8; Atlas.5.7.4
	Permafrost			
	Lake, river and sea ice	12.4.6.4		12.4.6.4 and Table 12.8
	Heavy snowfall and ice storm	12.4.6.4		12.4.6.4 and Table 12.8
	Hail	12.4.6.4		12.4.6.4 and Table 12.8
	Snow avalanche	12.4.6.4		12.4.6.4 and Table 12.8
Coastal and Oceanic	Relative sea level	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal flood	12.4.6.5		12.4.6.5 and Table 12.8
	Coastal erosion	12.4.6.5		12.4.6.5 and Table 12.8
	Marine heatwave	12.4.6.5		12.4.6.5 and Table 12.8
	Ocean acidity	12.4		12.4 and Table 12.8
Other	Air pollution weather	12.4		12.4 and Table 12.8
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.8
	Radiation at surface	12.4		12.4 and Table 12.8

Table 10.SM.8 | Regional traceback matrix for the Polar regions. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. Polar sub-regions are: Panel (a): Russian Arctic (RAR), Panel (b): Greenland/Iceland (GIC), Panel (c): Arctic North-Western North-America (aNWN), Panel (d): Arctic North-Eastern North America (aNEN), Panel (e): Arctic Northern Europe (aNEU), Panel (f): East Antarctica (EAN), Panel (g): West Antarctica (WAN). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Polar Arctic	Polar Arctic	Polar Arctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Russian Arctic	Russian Arctic	Russian Arctic
	Acronym	RAR	RAR	RAR
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.9.1; Atlas.11.2.2	Atlas.11.2.3	4.3.1 and 4.5.1. and Figure 4.22; 12.4.9.1 and Table 12.11; Atlas.11.2.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1	Atlas.11.2.3	12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	12.4.9.2; Atlas.11.2.2	8.3.2.8; Atlas.11.2.3	12.4.9.2 and Table 12.11; Atlas.11.2.4
	River flood	12.4.9.2	8.2.3	12.4.9.2 and Table 12.11
	Heavy precipitation and pluvial flood	12.4.9.2	8.3.2.8	12.4.9.2 and Table 12.11
	Landslide	12.4.9.2		12.4.9.2 and Table 12.11
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Fire weather	12.4.9.2		12.4.9.2 and Table 12.11
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2 and 2.3.2.3; 8.3.1.7.1. and 8.3.1.7.2; 9.5.1.1, 9.5.3.1 and Figure 9.20; 12.4.9.4, 12.2.3.2.2 and 12.2.3.2.3; Atlas.11.2.2	3.4.2 and 3.4.3; Atlas.11.2.3	8.4.1.7.1 and 8.4.1.7.2; 9.5.1.3, 9.5.3.3 and Figures 9.21 and 9.23; 12.4.9.4 and Table 12.11; Atlas.11.2.4
	Permafrost	9.5.2.1; 12.4.9.4	9.5.2.1 and 9.5.2.2	9.5.2.3; 12.4.9.4 and Table 12.11
	Lake, river and sea ice	1.3.1, 1.4.2.1, 1.5.3.1, Box 1.2, CC-Box 1.1 and FAQ 1.2; 2.3.2.1.1; 9.3.1; 12.4.9.4; Atlas.11.2.2	3.4.1; Atlas.11.2.3	9.3.1; 12.4.9.4 and Table 12.11; Atlas.11.2.4
	Heavy snowfall and ice storm	12.4.9.4		12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4 and Table 12.11
Coastal and Oceanic	Relative sea level	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	12.4.9.5		12.4.9.5 and Table 12.11
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather	12.4		12.4 and Table 12.11
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.11
	Radiation at surface	12.4		12.4 and Table 12.11

Panel (b)

	Region	Polar Arctic	Polar Arctic	Polar Arctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Greenland/Iceland	Greenland/Iceland	Greenland/Iceland
	Acronym	GIC	GIC	GIC
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	1.2.1.2; 12.4.9.1; Atlas.11.2.2	Atlas.11.2.3	12.4.9.1 and Table 12.11; 4.3.1, 4.5.1 and Figure 4.22; Atlas.11.2.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1		12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	1.1.1.2 and 1.1.2; 12.4.9.2	8.3.2.8; Atlas.11.2.3	12.4.9.2 and Table 12.11; Atlas.11.2.4
	River flood	12.4.9.2	8.2.3.1	12.4.9.2 and Table 12.11
	Heavy precipitation and pluvial flood	12.4.9.2	8.2.3.1 and 8.3.2.8	12.4.9.2 and Table 12.11
	Landslide	12.4.9.2		12.4.9.2 and Table 12.11
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Fire weather	12.4.9.2		12.4.9.2 and Table 12.11
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	1.3.1, 1.5.1.1 and Box 1.2; 2.3.2.2, 2.3.2.3 and 2.3.2.4.1; 8.3.1.7.1 and 8.3.1.7.2; 9.5.1.1, 9.5.3.1 and Figures 9.16, 9.20 and 9.23; 12.4.9.4, 12.2.3.2.2 and 12.2.3.2.3; Atlas.11.2.2	3.4.2 and 3.4.3; 8.2.3.1; Atlas.11.2.3	Box 1.2 and FAQ 1.1; 8.4.1.7.1 and 8.4.1.7.2; 9.4.1.3, 9.4.1.4, 9.5.1.3, 9.5.3.3 and Figures 9.17 and 9.21; 12.4.9.4 and Table 12.11; Atlas.11.2.4
	Permafrost	12.4.9.4		12.4.9.4 and Table 12.11
	Lake, river and sea ice	Atlas.11.2.2; 12.4.9.4, 2.3.2.1.1., 9.3.1.	3.4.1; Atlas.11.2.3	12.1.1.4, 12.4.9.4 and Table 12.11
	Heavy snowfall and ice storm	8.2.3; 12.4.9.4	8.2.3	12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4 and Table 12.11
Coastal and Oceanic	Relative sea level	1.2.1.2 and 1.3.4; 12.4.9.5		Box 1.2; 12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	12.4.9.5		12.4.9.5 and Table 12.11
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather	12.4		12.4 and Table 12.11
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.11
	Radiation at surface	12.4		12.4 and Table 12.11

Panel (c)

	Region	Polar Arctic	Polar Arctic	Polar Arctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Arctic North-Western North America	Arctic North-Western North America	Arctic North-Western North America
	Acronym	aNWN	aNWN	aNWN
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.9.1; Atlas.5.7.2, Atlas.9.2 and Atlas.11.2.2		12.4.9.1 and Table 12.11; Atlas.9.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1		12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	12.4.9.2; Atlas.9.2	8.2.3.1, 8.3.2.8 and 8.4	8.4.2.8; 12.4.9.2 and Table 12.11; Atlas.9.4
	River flood	12.4.9.2	8.2.3.1	12.4.9.2 and Table 12.11
	Heavy precipitation and pluvial flood	12.4.9.2	8.2.3.1; 8.3.2.8	12.4.9.2 and Table 12.11
	Landslide	12.4.9.2		12.4.9.2 and Table 12.11
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Fire weather	12.4.9.2		12.4.9.2 and Table 12.11
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2 and 2.3.2.3; 8.3.1.7.1 and 8.3.1.7.2; 9.5.1.1, 9.5.3.1 and Figures 9.20 and 9.23; 12.4.9.4; Atlas.9.2	3.4.2 and 3.4.3; 8.2.3.1	8.4.1.7.1 and 8.4.1.7.1; 9.5.1.3, 9.5.3.3 and Figure 9.21; 12.4.9.4 and Table 12.11; Atlas.9.4
	Permafrost	9.5.2.1; 12.4.9.4	8.2.3.1; 9.5.2.1 and 9.5.2.2	9.5.2.3; 12.4.9.4 and Table 12.11
	Lake, river and sea ice	2.3.2.1.1; 9.3.1; 12.4.9.4	3.4.1.	12.4.9.4 and Table 12.11
	Heavy snowfall and ice storm	12.4.9.4	8.2.3.1	12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4 and Table 12.11
Coastal and Oceanic	Relative sea level	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	12.4.9.5		12.4.9.5 and Table 12.11
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather	12.4		12.4 and Table 12.11
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.11
	Radiation at surface	12.4		12.4 and Table 12.11

Panel (d)

	Region	Polar Arctic	Polar Arctic	Polar Arctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Arctic North-Eastern North America	Arctic North-Eastern North America	Arctic North-Eastern North America
	Acronym	aNEN	aNEN	aNEN
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.9.1; Atlas.9.2 and Atlas.11.2.2		12.4.9.1 and Table 12.11; Atlas.9.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1		12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	12.4.9.2; Atlas.9.2	8.2.3.1, 8.3.2.8 and 8.4.2.8	8.4; 12.4.9.2 and Table 12.11; Atlas.9.4
	River flood	12.4.9.2	8.2.3.1	12.4.9.2 and Table 12.11
	Heavy precipitation and pluvial flood	12.4.9.2	8.2.3.1 and 8.3.2.8	12.4.9.2 and Table 12.11
	Landslide			
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Fire weather	12.4.9.2		12.4.9.2 and Table 12.11
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2 and 2.3.2.3; 8.3.1.7.1 and 8.3.1.7.2; 9.5.1.1, 9.5.3.1 and Figures 9.20 and 9.23; 12.4.9.4; Atlas.9.2	3.4.2 and 3.4.3; 8.2.3.1	8.4.1.7.1 and 8.4.1.7.1; 9.5.1.3, 9.5.3.3 and Figure 9.21; 12.4.9.4 and Table 12.11; Atlas.9.4
	Permafrost	9.5.2.1; 12.4.9.4	8.2.3.1; 9.5.2.1 and 9.5.2.2	9.5.2.3; 12.4.9.4 and Table 12.11
	Lake, river and sea ice	2.3.2.1.1; 9.3.1; 12.4.9.4	3.4.1.	12.4.9.4 and Table 12.11
	Heavy snowfall and ice storm	12.4.9.4	8.2.3.1	12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4, Table 12.11
Coastal and Oceanic	Relative sea level	12.4.9.5		12.4.9.5, Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5, Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5, Table 12.11
	Marine heatwave	12.4.9.5		12.4.9.5, Table 12.11
	Ocean acidity	12.4		12.4, Table 12.11
Other	Air pollution weather	12.4		12.4, Table 12.11
	Atmospheric CO_2 at surface	12.4		12.4, Table 12.11
	Radiation at surface	12.4		12.4, Table 12.11

Panel (e)

	Region	Polar Arctic	Polar Arctic	Polar Arctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	Arctic Northern Europe	Arctic Northern Europe	Arctic Northern Europe
	Acronym	aNEU	aNEU	aNEU
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	1.4.2.2; 12.4.9.1; Atlas.8.2	Atlas.8.2	12.4.9.1 and Table 12.11; Atlas.8.4
	Extreme heat	Table 11.8; 12.4.5.1 and 12.4.9.1	Table 11.8	12.4.5.1, 12.4.9.1 and Tables 12.7 and 12.11
	Cold spell	12.4.5.1 and 12.4.9.1		12.4.5.1, 12.4.9.1 and Tables 12.7 and 12.11
	Frost	12.4.5.1 and 12.4.9.1		12.4.5.1, 12.4.9.1 and Tables 12.7 and 12.11
Wet and Dry	Mean precipitation	12.4.5.2 and 12.4.9.2; Atlas.8.2	8.3.2.8 and 8.4.2.8; 12.4.5.2 and 12.4.9.2; Atlas.8.2	8.4; 12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11; Atlas.8.4
	River flood	12.4.5.2 and 12.4.9.2		12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11
	Heavy precipitation and pluvial flood	Table 11.8; 12.4.5.2, 12.4.9.2	Table 11.8; 8.3.2.8	12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11
	Landslide	12.4.5.2 and 12.4.9.2		12.4.5.2 and 12.4.9.2
	Aridity	12.4.5.2 and 12.4.9.2		12.4.5.2 and 12.4.9.2
	Hydrological drought	Table 11.8; 12.4.5.2 and 12.4.9.2	Table 11.8	12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11
	Agricultural and ecological drought	Table 11.8; 12.4.5.2 and 12.4.9.2	Table 11.8	12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11
	Fire weather	12.4.5.2 and 12.4.9.2		12.4.5.2, 12.4.9.2 and Tables 12.7 and 12.11
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	2.3.2.2 and 2.3.2.3; 8.3.1.7.1 and 8.3.1.7.2; 9.5.1.1, 9.5.3.1 and Figures 9.20 and 9.23; 12.4.5.4 and 12.4.9.4; Atlas.8.2	3.4.2 and 3.4.3; Atlas.8.2	8.4.1.7.1 and 8.4.1.7.1; 9.5.1.3, 9.5.3.3 and Figure 9.21; 12.4.9.4 and Table 12.11; Atlas.8.4
	Permafrost	2.3.2.5; 9.5.2.1; 12.4.5.4 and 12.4.9.4	9.5.2.1 and 9.5.2.2	9.5.2.3; 12.4.5.4, 12.4.9.4 and Tables 12.7 and 12.11
	Lake, river and sea ice	2.3.2.1.1; 9.3.1; 12.4.5.4 and 12.4.9.4	3.4.1	12.4.5.4, 12.4.9.4 and Tables 12.7 and 12.11
	Heavy snowfall and ice storm	12.4.5.4 and 12.4.9.4		12.4.5.4 and 12.4.9.4
	Hail	12.4.5.4 and 12.4.9.4		12.4.5.4, 12.4.9.4 and Tables 12.7 and 12.11
	Snow avalanche	12.4.5.4 and 12.4.9.4		12.4.5.4, 12.4.9.4 and Tables 12.7 and 12.11
Coastal and Oceanic	Relative sea level	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	12.4.9.5		12.4.9.5 and Table 12.11
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather	12.4		12.4 and Table 12.11
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.11
	Radiation at surface	12.4.0; Atlas.8.2	Atlas.8.2	12.4 and Table 12.11

Panel (f)

	Region	Polar Antarctic	Polar Antarctic	Polar Antarctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	East Antarctica	East Antarctica	East Antarctica
	Acronym	EAN	EAN	EAN
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.9.1; Atlas.11.1.2	Atlas.11.1.2	4.3.1, 4.5.1 and Figure 4.22; 12.4.9.1 and Table 12.11; Atlas.11.1.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1		12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	12.4.9.2; Atlas.11.1.2	8.3.2.8; Atlas.11.1.2	12.4.9.2 and Table 12.11; Atlas.11.1.4
	River flood	n.a		n.a
	Heavy precipitation and pluvial flood	12.4.9.2	8.3.2.8	12.4.9.2 and Table 12.11
	Landslide	12.4.9.2		12.4.9.2 and Table 12.11
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	n.a		n.a
	Fire weather	n.a		n.a
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone	n.a		
	Sand and dust storm	n.a		
Snow and Ice	Snow, glacier and ice sheet	1.2.1.1, 1.3.1 and Box 1.2; 2.3.2.4.2; 9.4.2.1 and 9.5.1.1; 12.4.9.4; Atlas.11.1.2	3.4.3.2; 9.4.2.1 and 9.5.1.1; Atlas.11.1.2	Box 1.2; 9.4.2.3, 9.4.2.5, 9.4.2.6 and Figure 9.18; 12.4.9.2 and Table 12.11; Atlas.11.1.4
	Permafrost	12.4.9.4		12.4.9.4 and Table 12.11
	Lake, river and sea ice	Box 1.2 and CC-Box 1.1; 2.3.2.1.2; 9.3.2; 12.4.9.4	3.4.1.	FAQ 1.2; 12.4.9.4 and Table 12.11
	Heavy snowfall and ice storm	12.4.9.4		12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4 and Table 12.11
Coastal and Oceanic	Relative sea level	9.6.1; 12.4.9.5	9.6.1 and Box 9.1	Box 1.2; 9.6.3; 12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	9.2; 12.4.9.5		
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather			
	Atmospheric CO_2 at surface	1.2.1.2; 12.4		12.4 and Table 12.11
	Radiation at surface	12.4		12.4 and Table 12.11

Panel (g)

	Region	Polar Antarctic	Polar Antarctic	Polar Antarctic
	Region Type (Land/Ocean)	Land	Land	Land
	Sub-region Name	West Antarctica	West Antarctica	West Antarctica
	Acronym	WAN	WAN	WAN
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.9.1; Atlas.11.1.2	Atlas.11.1.2	4.3.1, 4.5.1 and Figure 4.22; 12.4.9.1 and Table 12.11; Atlas.11.1.4
	Extreme heat	12.4.9.1		12.4.9.1 and Table 12.11
	Cold spell	12.4.9.1		12.4.9.1 and Table 12.11
	Frost	12.4.9.1		12.4.9.1 and Table 12.11
Wet and Dry	Mean precipitation	12.4.9.2; Atlas.11.1.2	8.3.2.8; Atlas.11.1.2	12.4.9.2 and Table 12.11; Atlas.11.1.4
	River flood			
	Heavy precipitation and pluvial flood	n.a	8.3.2.8	n.a
	Landslide	12.4.9.2		12.4.9.2 and Table 12.11
	Aridity	12.4.9.2		12.4.9.2 and Table 12.11
	Hydrological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Agricultural and ecological drought	12.4.9.2		12.4.9.2 and Table 12.11
	Fire weather			
Wind	Mean wind speed	12.4.9.3		12.4.9.3 and Table 12.11
	Severe wind storm	12.4.9.3		12.4.9.3 and Table 12.11
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet	1.2.1.1, 1.3.1 and Box 1.2; 2.3.2.4.2; 9.4.2.1 and 9.5.1.1; 12.4.9.4; Atlas.11.1.2	3.4.3.2; 9.4.2.1 and 9.5.1.1; Atlas.11.1.2	Box 1.2; 9.4.2.5 and 9.4.2.6; 12.4.9.4 and Table 12.11; Atlas.11.1.4
	Permafrost	9.5.2.1; 12.4.9.4, 2.3.2.4.2	9.5.2.1 and 9.5.2.2	9.5.2.3; 12.4.9.4 and Table 12.11
	Lake, river and sea ice	2.3.2.1.2; 9.3.2 and 9.5.2.3; 12.4.9.4 and Table 12.11	3.4.1	FAQ 1.2; 12.4.9.4 and Table 12.11
	Heavy snowfall and ice storm	12.4.9.4		12.4.9.4 and Table 12.11
	Hail			
	Snow avalanche	12.4.9.4		12.4.9.4 and Table 12.11
Coastal and Oceanic	Relative sea level	9.6.1; 12.4.9.5	9.6.1 and Box 9.1	Box 1.2; 9.6.3; 12.4.9.5 and Table 12.11
	Coastal flood	12.4.9.5		12.4.9.5 and Table 12.11
	Coastal erosion	12.4.9.5		12.4.9.5 and Table 12.11
	Marine heatwave	9.2; 12.4.9.5		12.4.9.5 and Table 12.11
	Ocean acidity	12.4		12.4 and Table 12.11
Other	Air pollution weather			
	Atmospheric CO_2 at surface	1.2.1.2; 12.4		12.4 and Table 12.11
	Radiation at surface	12.4		12.4 and Table 12.11

Table 10.SM.9 | Regional traceback matrix for Small Islands. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. Small Island sub-regions are: Panel (a): Caribbean (CAR), Panel (b): Pacific Islands (EPO/SPO), Panel (c): Western Indian Ocean Islands (EIO/SIO). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Small Islands	Small Islands	Small Islands
	Region Type (Land/Ocean)	Land-Ocean	Land-Ocean	Land-Ocean
	Sub-region Name	Caribbean	Caribbean	Caribbean
	Acronym	CAR	CAR	CAR
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.7.1; Atlas.10.2 and CC-Box Atlas.2, Table 1		12.4.7.1 and Table 12.9; Atlas.10.4
	Extreme heat	11.3.2 and Table 11.13; 12.4.7.1; Atlas.10.2 and CC-Box Atlas.2, Table 1	Table 11.13	11.3.5 and Table 11.13; 12.4.7.1 and Table 12.9
	Cold spell	11.3.2 and Table 11.13; Atlas.10.2	Table 11.13	11.3.5 and Table 11.13
	Frost			
Wet and Dry	Mean precipitation	12.4.7.2; Atlas.10.2 and CC-Box Atlas.2, Table 1	CC-Box Atlas.2	12.4.7.2 and Table 12.9; Atlas.10.4
	River flood	11.5.2; 12.4.7.2		11.5.5; 12.4.7.2
	Heavy precipitation and pluvial flood	11.4.2 and Table 11.14; 12.4.7.2	Table 11.14	11.4.5 and Table 11.14; 12.4.7.2 and Table 12.9
	Landslide	12.4.7.2		12.4.7.2 and Table 12.9
	Aridity	12.4.7.2; CC-Box Atlas.2, Table 1		12.4.7.2 and Table 12.9
	Hydrological drought	11.6.2 and Table 11.15; 12.4.7.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.7.2 and Table 12.9
	Agricultural and ecological drought	11.6.2 and Table 11.15; 12.4.7.2	11.6.4 and Table 11.15	11.6.5 and Table 11.15; 12.4.7.2 and Table 12.9
	Fire weather	12.4.7.2		12.4.7.2 and Table 12.9
Wind	Mean wind speed	12.4.7.3		12.4.7.3 and Table 12.9
	Severe wind storm	12.4.7.3		12.4.7.3 and Table 12.9
	Tropical cyclone	12.4.7.3		12.4.7.3 and Table 12.9
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.7.5; CC-Box Atlas.2, Table 1		12.4.7.4 and Table 12.9
	Coastal flood	12.4.7.5		12.4.7.4 and Table 12.9
	Coastal erosion	12.4.7.5		12.4.7.4 and Table 12.9
	Marine heatwave	12.4.7.5		12.4.7.4 and Table 12.9
	Ocean acidity	12.4		12.4 and Table 12.9
Other	Air pollution weather	12.4		12.4 and Table 12.9
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.9
	Radiation at surface	12.4		12.4 and Table 12.9

Panel (b)

	Region	Small Islands	Small Islands	Small Islands
	Region Type (Land/Ocean)	Land-Ocean	Land-Ocean	Land-Ocean
	Sub-region Name	Pacific Islands	Pacific Islands	Pacific Islands
	Acronym	[EPO/SPO]	[EPO/SPO]	[EPO/SPO]
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	12.4.7.1; Atlas.10.2 and CC-Box Atlas.2, Table 1		12.4.7.1 and Table 12.9; Atlas.10.4
	Extreme heat	11.3.2; 12.4.7.1; Atlas.10.2 and CC-Box Atlas.2, Table 1		12.4.7.1, Table 12.9
	Cold spell	11.3.2; Atlas.10.2		
	Frost			
Wet and Dry	Mean precipitation	12.4.7.2; Atlas.10.2 and CC-Box Atlas.2, Table 1	CC-Box Atlas.2	12.4.7.2 and Table 12.9; Atlas.10.4
	River flood	11.5.2; 12.4.7.2		11.5.5; 12.4.7.2 and Table 12.9
	Heavy precipitation and pluvial flood	11.4.2; 12.4.7.2		11.4.5; 12.4.7.2 and Table 12.9
	Landslide	12.4.7.2		12.4.7.2 and Table 12.9
	Aridity	12.4.7.2; CC-Box Atlas.2, Table 1		12.4.7.2 and Table 12.9
	Hydrological drought	12.4.7.2		12.4.7.2 and Table 12.9
	Agricultural and ecological drought	12.4.7.2		12.4.7.2 and Table 12.9
	Fire weather	12.4.7.2		12.4.7.2 and Table 12.9
Wind	Mean wind speed	12.4.7.3		12.4.7.3 and Table 12.9
	Severe wind storm	12.4.7.3		12.4.7.3 and Table 12.9
	Tropical cyclone	12.4.7.3; CC-Box Atlas.2, Table 1		12.4.7.3 and Table 12.9
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	12.4.7.5; CC-Box Atlas.2, Table 1		12.4.7.4 and Table 12.9
	Coastal flood	12.4.7.5		12.4.7.4 and Table 12.9
	Coastal erosion	12.4.7.5		12.4.7.4 and Table 12.9
	Marine heatwave	12.4.7.5		12.4.7.4 and Table 12.9
	Ocean acidity	12.4		12.4 and Table 12.9
Other	Air pollution weather	12.4		12.4 and Table 12.9
	Atmospheric CO_2 at surface	12.4		12.4 and Table 12.9
	Radiation at surface	12.4		12.4 and Table 12.9

Panel (c)

	Region	Small Islands	Small Islands	Small Islands
	Region Type (Land/Ocean)	Land-Ocean	Land-Ocean	Land-Ocean
	Sub-region Name	Western Indian Ocean Islands	Western Indian Ocean Islands	Western Indian Ocean Islands
	Acronym	[EIO/SIO]	[EIO/SIO]	[EIO/SIO]
	Data Type	Observational	Detection and attribution	Projections
Heat and Cold	Mean air temperature	Atlas.10.2 and CC-Box Atlas.2, Table 1		Atlas.10.4
	Extreme heat			
	Cold spell			
	Frost			
Wet and Dry	Mean precipitation	Atlas.10.2 and CC-Box Atlas.2, Table 1		Atlas.10.4
	River flood			
	Heavy precipitation and pluvial flood			
	Landslide			
	Aridity			
	Hydrological drought			
	Agricultural and ecological drought			
	Fire weather			
Wind	Mean wind speed			
	Severe wind storm			
	Tropical cyclone			
	Sand and dust storm			
Snow and Ice	Snow, glacier and ice sheet			
	Permafrost			
	Lake, river and sea ice			
	Heavy snowfall and ice storm			
	Hail			
	Snow avalanche			
Coastal and Oceanic	Relative sea level	CC-Box Atlas.2, Table 1		
	Coastal flood			
	Coastal erosion			
	Marine heatwave			
	Ocean acidity			
Other	Air pollution weather			
	Atmospheric CO_2 at surface			
	Radiation at surface			

Table 10.SM.10 | Regional traceback matrix for Open Ocean regions. Table shows chapter traceability of the regional assessment using observed trends, attribution of trends or events, and climate model projections, as described in Cross-Chapter Box 10.3. The table is divided into separate panels that correspond to the AR6 WGI Reference Regions. Open Ocean sub-regions are: Panel (a): Arctic Ocean (ARO), Panel (b): North Pacific Ocean (NPO), Panel (c): Equatorial Pacific Ocean (EPO), Panel (d): South Pacific Ocean (SPO), Panel (e): North Atlantic Ocean (NAO), Panel (f): Equatorial Atlantic Ocean (EAO), Panel (g): South Atlantic Ocean (SAO), Panel (h): Arabian Sea (ARS), Panel (i): Bay of Bengal (BOB), Panel (j): Equatorial Indian Ocean (EIO), Panel (k): South Indian Ocean (SIO), Panel (l): Southern Ocean (SOO). Blank cells in the observations and projections columns correspond to the 'not broadly relevant' or 'no evidence' category as described in the CID framework in Chapter 12. Blank cells in the detection and attribution columns correspond to no studies being available.

Panel (a)

	Region	Arctic	Arctic	Arctic
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Arctic Ocean	Arctic Ocean	Arctic Ocean
	Acronym	ARO	ARO	ARO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2: 12.4.8 and 12.4.9		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	2.3.2.1.1; 9.3.1; 12.4.8 and 12.4.9	3.4.1.1	4.3.2; 9.3.1; 12.4.8 and Tables 12.4.9 and 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8 and 12.4.9		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (b)

	Region	Pacific	Pacific	Pacific
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	North Pacific Ocean	North Pacific Ocean	North Pacific Ocean
	Acronym	NPO	NPO	NPO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (c)

	Region	Pacific	Pacific	Pacific
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Equatorial Pacific Ocean	Equatorial Pacific Ocean	Equatorial Pacific Ocean
	Acronym	EPO	EPO	EPO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.2	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2: 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (d)

	Region	Pacific	Pacific	Pacific
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	South Pacific Ocean	South Pacific Ocean	South Pacific Ocean
	Acronym	SPO	SPO	SPO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (e)

	Region	Atlantic	Atlantic	Atlantic
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	North Atlantic Ocean	North Atlantic Ocean	North Atlantic Ocean
	Acronym	NAO	NAO	NAO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (f)

	Region	Atlantic	Atlantic	Atlantic
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Equatorial Atlantic Ocean	Equatorial Atlantic Ocean	Equatorial Atlantic Ocean
	Acronym	EAO	EAO	EAO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.2	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (g)

	Region	Atlantic	Atlantic	Atlantic
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	South Atlantic Ocean	South Atlantic Ocean	South Atlantic Ocean
	Acronym	SAO	SAO	SAO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	**Mean ocean temperature**	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (h)

	Region	Indian	Indian	Indian
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Arabian Sea	Arabian Sea	Arabian Sea
	Acronym	ARS	ARS	ARS
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	**Mean ocean temperature**	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.2	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2,
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (i)

	Region	Indian	Indian	Indian
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Bay of Bengal	Bay of Bengal	Bay of Bengal
	Acronym	BOB	BOB	BOB
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	**Mean ocean temperature**	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.2	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (j)

	Region	Indian	Indian	Indian
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Equatorial Indian Ocean	Equatorial Indian Ocean	Equatorial Indian Ocean
	Acronym	EIO	EIO	EIO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.2	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2,5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (k)

	Region	Indian	Indian	Indian
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	South Indian Ocean	South Indian Ocean	South Indian Ocean
	Acronym	SIO	SIO	SIO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	12.4.8		12.4.8 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

Panel (l)

	Region	Southern	Southern	Southern
	Region Type (Land/Ocean)	Ocean	Ocean	Ocean
	Sub-region Name	Southern Ocean	Southern Ocean	Southern Ocean
	Acronym	SOO	SOO	SOO
	Data Type	Observational	Detection and attribution	Projections
Open Oceans	Mean ocean temperature	2.3.3.1; 9.2.2.1; 12.4.8	3.5.1.1	4.5.2.1; 9.2.2.1; 12.4.8 and Table 12.10
	Marine heatwave	Box 9.2; 12.4.8		Box 9.2; 12.4.8 and Table 12.10
	Severe storm and waves	9.6.4.1		9.6.4.2
	Sea ice	2.3.2.1.2; 9.3.2; 12.4.8 and 12.4.9	3.4.1.2	9.3.2; 12.4.8, 12.4.9 and Table 12.10
	Subsea permafrost	5.4.9.1.3		5.4.9.1.3
	Ocean acidity	2.3.3.5; 5.3; 12.4.8		4.5.2.2; 5.3; 12.4.8 and Table 12.10
	Dissolved oxygen	2.3.3.6; 12.4.8		5.3.3.2; 12.4.8 and Table 12.10
	Ocean salinity	2.3.3.2; 9.2.2.2; 12.4.8	3.5.2	9.2.2.2; 12.4.8 and Table 12.10

10.SM.2 Data Table

Table 10.SM.11 | Input data table. Input datasets and code used to create chapter figures.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6	Figure 10.6 code	Code	recipe_boxplot_Med.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10/		Requires working_cordex_2.2 ESMValCore branch
		Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
		Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.6a	Berkeley Earth	Input dataset	Land_and_Ocean_LatLong1.nc			http://berkeleyearth.lbl.gov/auto/Global/Gridded/Land_and_Ocean_LatLong1.nc	Rohde et al. (2013)	land_source_history = «13-Jan-2020 17:22:52», ocean_source_history = «07-Jan-2020 10:46:06»
	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.tmp.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/tmp/cru_ts4.04.1901.2019.tmp.dat.nc.gz	Harris et al. (2020)	
	HadCRUT4	Input dataset	HadCRUT.4.6.0.0.median.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/temperature/HadCRUT.4.6.0.0.median.nc	Morice et al. (2012)	
	HadCRUT5	Input dataset	HadCRUT.5.0.0.0.anomalies.ensemble_mean.nc and absolute_v5.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/temperature/HadCRUT.5.0.0.0.anomalies.ensemble_mean.nc	Morice et al. (2021)	Absolute values derived by adding the anomaly to https://crudata.uea.ac.uk/cru/data/temperature/absolute_v5.nc
	E-OBS 0.1°	Input dataset	tg_ens_mean_0.1deg_reg_v21.0e.nc			https://knmi-ecad-assets-prd.s3.amazonaws.com/ensembles/data/Grid_0.1deg_reg_ensemble/tg_ens_mean_0.1deg_reg_v21.0e.nc	Cornes et al. (2018)	

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	E-OBS 0.25°	Input dataset	tg_ens_ mean_0.25deg_reg_ v21.0e.nc			https://knmi-ecad-assets-prd.s3.amazonaws.com/ensembles/data/Grid_0.25deg_reg_ensemble/tg_ens_mean_0.25deg_reg_v21.0e.nc	Cornes et al. (2018)	
	WFDE5 v1.0	Input dataset	Tair_WFDE5_CRU_ [197901-201812]_ v1.0.nc	The dataset is distributed under the Licence to Use Copernicus Products. The corrections applied are based upon CRU TS4.03, distributed under the Open Database License (OdbL).	https://doi.org/10.24381/cds.20d54e34	https://cds.climate.copernicus.eu/cdsapp#!/dataset/derived-near-surface-meteorological-variables?tab=overview	Cucchi et al. (2020)	
	ERA5	Input dataset	tas_Amon_reanalysis_ ERA5_197901-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/ECMWF/IFS-Cy41r2/ERA5/mon/atmos/tas/tas_Amon_reanalysis_ERA5_197901-201912.nc	Hersbach et al. (2020)	tracking_id = «face81a8-3ecc-4a72-b1af-a1a430405c7b»
	ERA-Interim	Input dataset	tas_Amon_reanalysis_ ERA-Interim_ 197901-201908.nc	CC BY-SA 4.0		https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/ECMWF/IFS-Cy31r2/ERA-Interim/mon/atmos/tas/tas_Amon_reanalysis_ERA-Interim_197901-201908.nc	Dee et al. (2011)	tracking_id = «0a105dae-21fd-4f6e-b8e9-0a0fada689d1»
	CERA-20C	Input dataset	tas_Amon_ reanalysis_CERA-20C_190101-201012.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/ECMWF/IFS-Cy41r2/CERA-20C/mon/atmos/tas/tas_Amon_reanalysis_CERA-20C_190101-201012.nc	Laloyaux et al. (2018)	tracking_id = «22f6cece-ad07-4444-a07d-7a91f12b1b6e»
	JRA-25	Input dataset	tas_Amon_reanalysis_ JRA-25_197901-201312.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/JMA/JRA-25/JRA-25/mon/atmos/tas/tas_Amon_reanalysis_JRA-25_197901-201312.nc	Onogi et al. (2007)	tracking_id = «98441bb9-1b0f-4919-b6ee-fea8f886dd14»

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	JRA-55	Input dataset	tas_Amon_reanalysis_JRA-55_195801-201912.nc	CC BY-SA 4.0		https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/JMA/JRA-55/JRA-55/mon/atmos/tas/tas_Amon_reanalysis_JRA-55_195801-201912.nc	Kobayashi et al. (2015)	tracking_id = «9e276e16-79d7-46e5-a3da-39ecf1c2a871»
	CFSR	Input dataset	tas_Amon_reanalysis_CFSR_197901-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NOAA-NCEP/CFSR/CFSR/mon/atmos/tas/tas_Amon_reanalysis_CFSR_197901-201912.nc	Saha et al. (2010)	tracking_id = «4ff071f5-37b4-4414-9ba1-d2eab7e24d0f»
	MERRA	Input dataset	tas_Amon_reanalysis_MERRA_197901-201602.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NASA-GMAO/GEOS-5/MERRA/mon/atmos/tas/tas_Amon_reanalysis_MERRA_197901-201602.nc	Rienecker et al. (2011)	tracking_id = «d742c24b-6ed0-41d0-a02a-dd7039f245b2»
	MERRA2	Input dataset	tas_Amon_reanalysis_MERRA2_198001-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NASA-GMAO/GEOS-5/MERRA2/mon/atmos/tas/tas_Amon_reanalysis_MERRA2_198001-201912.nc	Gelaro et al. (2017)	tracking_id = «e77fd4de-19c2-45ad-afe2-ce3f6c1eb148»
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	CMCC-CM2-VHR4: hist-1950	Input dataset			Scoccimarro et al. (2018)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-CM6-1-HR: historical, hist-1950	Input dataset			Voldoire (2019g, j)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	EC-Earth3P-HR: hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-HM: hist-1950	Input dataset			Roberts (2018)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MPI-ESM1-2-XR: hist-1950	Input dataset			von Storch et al. (2018b)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	CORDEX data							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical	Input dataset				www.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				www.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				http://cordex.clm-community.eu/		
	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset			Walters et al. (2019)	www.metoffice.gov.uk/weather/climate/met-office-hadley-centre/index		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, MOHC-HadGEM2-ES historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MOHC-HadGEM2-ES historical, NCC-NorESM1-M historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CNRM-CERFACS-CNRM-CM5 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical, NOAA-GFDL-GFDL-ESM2M historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1a EUR-11: MPI-M-MPI-ESM-LR historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	RegCM4-6 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.remo-rcm.de		
	REMO2015 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.remo-rcm.de		
	CMIP5 data citations							
	ACCESS1-0: historical	Input dataset			Bi et al. (2016a)			
	ACCESS1-3: historical	Input dataset			Bi et al. (2016d)			
	BCC-CSM1-1: historical	Input dataset			Wu and Xin (2015a)			
	BCC-CSM-1-m: historical	Input dataset			Wu and Xin (2015f)			
	BNU-ESM: historical	Input dataset			Ji et al. (2015a)			
	CCSM4: historical	Input dataset			Meehl (2014a)			
	CESM1-BGC: historical	Input dataset			Lindsay (2013a)			
	CESM1-CAM5: historical	Input dataset			Neale (2013a)			
	CESM1-FASTCHEM: historical	Input dataset			Lamarque (2013)			
	CESM1-WACCM: historical	Input dataset			Marsh (2013a)			
	CMCC-CESM: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a)			
	CMCC-CM: historical	Input dataset			Scoccimarro and Gualdi (2014a)			
	CMCC-CMS: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c)			
	CNRM-CM5: historical	Input dataset			Sénési et al. (2014a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	CNRM-CM5-2: historical	Input dataset			Sénési et al. (2014c)			
	CSIRO-Mk3-6-0: historical	Input dataset			Jeffrey et al. (2016a)			
	CSIRO-Mk3L-1-2: historical	Input dataset						
	CanCM4: historical	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015a)			
	CanESM2: historical	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b)			
	EC-EARTH: historical, rcp85	Input dataset			EC-Earth Consortium (EC-Earth) (2014a, b)			
	FGOALS-s2: historical	Input dataset						
	FGOALS_g2: historical	Input dataset						
	FIO-ESM: historical	Input dataset			Qiao et al. (2013a)			
	GFDL-CM2p1: historical	Input dataset			Dunne et al. (2014k)			
	GFDL-CM3: historical	Input dataset			Horowitz et al. (2014a)			
	GFDL-ESM2G: historical	Input dataset			Dunne et al. (2014a)			
	GFDL-ESM2M: historical	Input dataset			Dunne et al. (2014f)			
	GISS-E2-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014a)			
	GISS-E2-H-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014f)			
	GISS-E2-R-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadCM3: historical	Input dataset			Smith et al. (2014)			
	HadGEM2-AO: historical	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a)			
	HadGEM2-CC: historical	Input dataset			Hardiman et al. (2014a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6a *(continued)*	HadGEM2-ES: historical	Input dataset			Met Office (HC) and Brazilian Network on Global Climate Change Research (2013); Jones et al. (2014)			
	INMCM4: historical	Input dataset			Volodin and Diansky (2013a)			
	IPSL-CM5A-LR: historical	Input dataset			Denvil et al. (2016a)			
	IPSL-CM5A-MR: historical	Input dataset			Foujols et al. (2016a)			
	IPSL-CM5B-LR: historical	Input dataset			Fairhead et al. (2016a)			
	MIROC-ESM: historical	Input dataset			JAMSTEC et al. (2015a)			
	MIROC-ESM-CHEM: historical	Input dataset			JAMSTEC et al. (2015f)			
	MIROC4h: historical	Input dataset			AORI et al. (2015a)			
	MIROC5: historical	Input dataset			AORI et al. (2015b)			
	MPI-ESM-LR: historical	Input dataset			Giorgetta et al. (2012a)			
	MPI-ESM-MR: historical	Input dataset			Giorgetta et al. (2012c)			
	MPI-ESM-P: historical	Input dataset			Jungclaus et al. (2012)			
	MRI-CGCM3: historical	Input dataset			Yukimoto et al. (2015a)			
	MRI-ESM1: historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical	Input dataset			Bentsen et al. (2012a)			
	NorESM1-ME: historical	Input dataset			Tjiputra et al. (2012a)			
Figure 10.6b	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Seasonal statistics require two out of three seasons to be valid. Climate statistics require 80% of data to be valid.
	GPCC V2018 1.0°	Input dataset	full_data_monthly_v2018_10.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018b)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_10.nc.gz		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Seasonal statistics require two out of three seasons to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	REGEN	Input dataset	REGEN_AllStns_V1-2019_[1950 … 2016].nc and REGEN_AllStns_V1-2019_1950-2016_QualityMask.nc			http://dapds00.nci.org.au/thredds/fileServer/ks32/CLEX_Data/REGEN_AllStns/v1-2019/REGEN_AllStns_V1-2019_[1950 … 2016].nc	Contractor et al. (2020)	Precipitation data is conditioned on the Quality Mask. Seasonal statistics require two out of three seasons to be valid.
	E-OBS 0.1°	Input dataset	rr_ens_mean_0.1deg_reg_v21.0e.nc			https://knmi-ecad-assets-prd.s3.amazonaws.com/ensembles/data/Grid_0.1deg_reg_ensemble/rr_ens_mean_0.1deg_reg_v21.0e.nc	Cornes et al. (2018)	
	E-OBS 0.25°	Input dataset	rr_ens_mean_0.25deg_reg_v21.0e.nc			https://knmi-ecad-assets-prd.s3.amazonaws.com/ensembles/data/Grid_0.25deg_reg_ensemble/rr_ens_mean_0.25deg_reg_v21.0e.nc	Cornes et al. (2018)	
	GHCN V2	Input dataset	precip.mon.total.nc			ftp://ftp.cdc.noaa.gov/Datasets/ghcngridded/precip.mon.total.nc	Jones and Moberg (2003)	
	WFDE5 v1.0	Input dataset	Rainf_WFDE5_CRU+GPCC_[197901-201612]_v1.0.nc	The dataset is distributed under the Licence to Use Copernicus Products. The corrections applied are based upon CRU TS4.03, distributed under the Open Database License (OdbL).	https://doi.org/10.24381/cds.20d54e34	https://cds.climate.copernicus.eu/cdsapp#!/dataset/derived-near-surface-meteorological-variables?tab=overview	Cucchi et al. (2020)	
	CFSR	Input dataset	pr_Amon_reanalysis_CFSR_197901-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NOAA-NCEP/CFSR/CFSR/mon/atmos/pr/pr_Amon_reanalysis_CFSR_197901-201912.nc	Saha et al. (2010)	tracking_id = «db487707-b207-4649-ac4b-3ed9942b869b»
	ERA-Interim	Input dataset	pr_Amon_reanalysis_ERA-Interim_197901-201908.nc	CC BY-SA 4.0		https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/ECMWF/IFS-Cy31r2/ERA-Interim/mon/atmos/pr/pr_Amon_reanalysis_ERA-Interim_197901-201908.nc	Dee et al. (2011)	tracking_id = «6d7345ee-46d9-460d-b367-7a91644196a9»

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	ERA5	Input dataset	pr_Amon_reanalysis_ ERA5_197901-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/ECMWF/IFS-Cy41r2/ERA5/mon/atmos/pr/pr_Amon_reanalysis_ERA5_197901-201912.nc	Hersbach et al. (2020)	tracking_id = «54f6aaa0-00f1-468e-9d1d-f25b04bb9fb3»
	JRA-55	Input dataset	pr_Amon_reanalysis_ JRA-55_195801-201912.nc	CC BY-SA 4.0		https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/JMA/JRA-55/JRA-55/mon/atmos/pr/pr_Amon_reanalysis_JRA-55_195801-201912.nc	Kobayashi et al. (2015)	tracking_id = «d5394ca7-e30d-4724-8569-e56293cebfaf»
	MERRA	Input dataset	pr_Amon_reanalysis_ MERRA_197901-201602.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NASA-GMAO/GEOS-5/MERRA/mon/atmos/pr/pr_Amon_reanalysis_MERRA_197901-201602.nc	Rienecker et al. (2011)	tracking_id = «eca6f8ec-36af-4a15-a5ed-606531c7c686»
	MERRA2	Input dataset	pr_Amon_reanalysis_ MERRA2_198001-201912.nc			https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/NASA-GMAO/GEOS-5/MERRA2/mon/atmos/pr/pr_Amon_reanalysis_MERRA2_198001-201912.nc	Gelaro et al. (2017)	tracking_id = «d204afb4-0503-47ee-9935-eb0d75dc31ac»
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CMCC-CM2-VHR4: hist-1950	Input dataset			Scoccimarro et al. (2018)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-CM6-1-HR: historical, hist-1950	Input dataset			Voldoire (2019g, j)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	EC-Earth3P-HR: hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-HM: hist-1950	Input dataset			Roberts (2018)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MPI-ESM1-2-XR: hist-1950	Input dataset			von Storch et al. (2018b)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	CORDEX data							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				http://cordex.clm-community.eu		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical	Input dataset				www.clm-community.eu		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				http://cordex.clm-community.eu		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				http://cordex.clm-community.eu		
	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset			Walters et al. (2019)	www.metoffice.gov.uk/weather/climate/met-office-hadley-centre/index		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical	Input dataset				www.dmi.dk/		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical	Input dataset				www.dmi.dk/		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical	Input dataset				www.dmi.dk/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical	Input dataset				www.dmi.dk/		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.knmi.nl/research/		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical	Input dataset				www.knmi.nl/research/		
	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, MOHC-HadGEM2-ES historical	Input dataset				www.knmi.nl/research/		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical	Input dataset				www.knmi.nl/research/		
	RCA4 v1 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MOHC-HadGEM2-ES historical, NCC-NorESM1-M historical	Input dataset				www.smhi.se/en/research		
	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CNRM-CERFACS-CNRM-CM5 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical, NOAA-GFDL-GFDL-ESM2M historical	Input dataset				www.smhi.se/en/research		
	RCA4 v1a EUR-11: MPI-M-MPI-ESM-LR historical	Input dataset				www.smhi.se/en/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	RegCM4-6 v1 EUR-11: ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset				http://gforge.ictp.it/gf/project/regcm		
	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, NCC-NorESM1-M historical	Input dataset				www.remo-rcm.de		
	REMO2015 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.remo-rcm.de		
	CMIP5 data citations							
	ACCESS1-0: historical	Input dataset			Bi et al. (2016a)			
	ACCESS1-3: historical	Input dataset			Bi et al. (2016d)			
	BCC-CSM1-1: historical	Input dataset			Wu and Xin (2015a)			
	BCC-CSM1-1-m: historical	Input dataset			Wu and Xin (2015f)			
	BNU-ESM: historical	Input dataset			Ji et al. (2015a)			
	CCSM4: historical	Input dataset			Meehl (2014a)			
	CESM1-BGC: historical	Input dataset			Lindsay (2013a)			
	CESM1-CAM5: historical	Input dataset			Neale (2013a)			
	CESM1-FASTCHEM: historical	Input dataset			Lamarque (2013)			
	CESM1-WACCM: historical	Input dataset			Marsh (2013a)			
	CMCC-CESM: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a)			
	CMCC-CM: historical	Input dataset			Scoccimarro and Gualdi (2014a)			
	CMCC-CMS: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c)			
	CNRM-CM5: historical	Input dataset			Sénési et al. (2014a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	CNRM-CM5-2: historical	Input dataset			Sénési et al. (2014c)			
	CSIRO-Mk3-6-0: historical	Input dataset			Jeffrey et al. (2016a)			
	CSIRO-Mk3L-1-2: historical	Input dataset						
	CanCM4: historical	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015a)			
	CanESM2: historical	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b)			
	FGOALS-s2: historical	Input dataset						
	FGOALS_g2: historical	Input dataset						
	FIO-ESM: historical	Input dataset			Qiao et al. (2013a)			
	GFDL-CM2p1: historical	Input dataset			Dunne et al. (2014k)			
	GFDL-CM3: historical	Input dataset			Horowitz et al. (2014a)			
	GFDL-ESM2G: historical	Input dataset			Dunne et al. (2014a)			
	GFDL-ESM2M: historical	Input dataset			Dunne et al. (2014f)			
	GISS-E2-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014a)			
	GISS-E2-H-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014f)			
	GISS-E2-R-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadCM3: historical	Input dataset			Smith et al. (2014)			
	HadGEM2-AO: historical	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a)			
	HadGEM2-CC: historical	Input dataset			Hardiman et al. (2014a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.6b *(continued)*	HadGEM2-ES: historical	Input dataset			Met Office (HC) and Brazilian Network on Global Climate Change Research (2013); Jones et al. (2014)			
	INMCM4: historical	Input dataset			Volodin and Diansky (2013a)			
	IPSL-CM5A-LR: historical	Input dataset			Denvil et al. (2016a)			
	IPSL-CM5A-MR: historical	Input dataset			Foujols et al. (2016a)			
	IPSL-CM5B-LR: historical	Input dataset			Fairhead et al. (2016a)			
	MIROC-ESM: historical	Input dataset			JAMSTEC et al. (2015a)			
	MIROC-ESM-CHEM: historical	Input dataset			JAMSTEC et al. (2015f)			
	MIROC4h: historical	Input dataset			AORI et al. (2015a)			
	MIROC5: historical	Input dataset			AORI et al. (2015b)			
	MPI-ESM-LR: historical	Input dataset			Giorgetta et al. (2012a)			
	MPI-ESM-MR: historical	Input dataset			Giorgetta et al. (2012c)			
	MPI-ESM-P: historical	Input dataset			Jungclaus et al. (2012)			
	MRI-CGCM3: historical	Input dataset			Yukimoto et al. (2015a)			
	MRI-ESM1: historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical	Input dataset			Bentsen et al. (2012a)			
	NorESM1-ME: historical	Input dataset			Tjiputra et al. (2012a)			
Figure 10.7	ERA-Interim	Input dataset	Daily data, geopotential at 500 hPa.			https://apps.ecmwf.int/datasets/data/interim-full-daily/levtype=pl/	Dee et al. (2011)	Concatenated with ERA-40 (ERA-40: 1962–78; ERA-Interim: 1979–2011; see Schiemann et al. (2017).
	ERA-40	Input dataset	Daily data, geopotential at 500 hPa.			https://apps.ecmwf.int/datasets/data/era40-daily/levtype=pl/	Uppala et al. (2006)	Concatenated with ERA-40 (ERA-40: 1962–78; ERA-Interim: 1979–2011; see Schiemann et al. (2017).
	Figure 10.7 code	Code						
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.7 *(continued)*	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CMCC-CM2-HR4: hist-1950	Input dataset			Scoccimarro et al. (2019a)			
	CMCC-CM2-VHR4: hist-1950	Input dataset			Scoccimarro et al. (2018)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	EC-Earth3P: hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2019g)			
	EC-Earth3P-HR: hist-1950	Input dataset			(EC-Earth Consortium (EC-Earth) (2018)			
	ECMWF-IFS-HR: hist-1950	Input dataset			Roberts et al. (2017)			
	ECMWF-IFS-LR: hist-1950	Input dataset			Roberts et al. (2018a)			
	ECMWF-IFS-MR: hist-1950	Input dataset			Roberts et al. (2018b)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	GFDL-CM4: historical	Input dataset			Guo et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.7 *(continued)*	MPI-ESM1-2-HR: historical, hist-1950	Input dataset			von Storch et al. (2018a); Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MPI-ESM1-2-XR: hist-1950	Input dataset			von Storch et al. (2018b)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a)			
	CMIP5 data citations							
	ACCESS1-0: historical	Input dataset			Bi et al. (2016a)			
	ACCESS1-3: historical	Input dataset			Bi et al. (2016c)			
	BCC-CSM1-1: historical	Input dataset			Wu and Xin (2015a)			
	BCC-CSM1-1-m: historical	Input dataset			Wu and Xin (2015f)			
	BNU-ESM: historical	Input dataset			Ji et al. (2015a)			
	CMCC-CESM: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a)			
	CMCC-CM: historical	Input dataset			Scoccimarro and Gualdi (2014a)			
	CMCC-CMS: historical	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c)			
	CNRM-CM5: historical	Input dataset			Sénési et al. (2014a)			
	CanESM2: historical	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b)			
	EC-EARTH: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2014a, b)			
	FGOALS-g2: historical	Input dataset			LASG Institute of Atmospheric Physics Chinese Academy of Sciences (IAP-LASG) (2015a)			
	GFDL-CM3: historical	Input dataset			Horowitz et al. (2014a)			
	GFDL-ESM2G: historical	Input dataset			Dunne et al. (2014a)			
	HadCM3: historical	Input dataset			Smith et al. (2014)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.7 *(continued)*	HadGEM2-CC: historical	Input dataset			Hardiman et al. (2014a)			
	HadGEM2-ES: historical	Input dataset			Jones et al. (2014)			
	IPSL-CM5A-LR: historical	Input dataset			Denvil et al. (2016a)			
	IPSL-CM5A-MR: historical	Input dataset			Foujols et al. (2016a)			
	IPSL-CM5B-LR: historical	Input dataset			Fairhead et al. (2016a)			
	MIROC-ESM: historical	Input dataset			JAMSTEC et al. (2015a)			
	MIROC-ESM-CHEM: historical	Input dataset			JAMSTEC et al. (2015f)			
	MIROC5: historical	Input dataset			AORI et al. (2015b)			
	MPI-ESM-LR: historical	Input dataset			Giorgetta et al. (2012a)			
	MPI-ESM-MR: historical	Input dataset			Giorgetta et al. (2012c)			
	MPI-ESM-P: historical	Input dataset			Jungclaus et al. (2012)			
	MRI-CGCM3: historical	Input dataset			Yukimoto et al. (2015a)			
	MRI-ESM1: historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical	Input dataset			Bentsen et al. (2012a)			
Figure 10.8a	GSMaP	Input dataset				ftp://mtsat.cr.chiba-u.ac.jp/MTSAT-2/gridded_V2.0/quicklooks/201311/MTSAT2-145E-201311070357UTC-VIS.jpg	Kubota et al. (2020)	(a) MTSAT-2 Visible Data (Haiyan match-up; gridded), Nov 07, 2013, 04:30 (UTC).
Figure 10.8b	PAGASA	Input dataset				https://rainbow.iis.u-tokyo.ac.jp/~khibino/		(b) Guiuan radar, adapted from Takayabu et al. (2015).
Figure 10.8c	Meso-ensemble forecast (60 km).	Input dataset	Member of WEPS (Weekly Ensemble Prediction System) operationally driven by JMA (Japan Meteorological Agency). Data is uploaded as a member of TIGGE (THORPEX Interactive Grand Global Ensemble).			https://apps.ecmwf.int/datasets/data/tigge/levtype=sfc/type=cf/	Swinbank et al. (2016)	(c) Meso-ensemble forecast (60 km).
Figure 10.8d	NHRCM (20 km)	Input dataset				https://rainbow.iis.u-tokyo.ac.jp/~khibino/		(d) NHRCM (20-km) model, adapted from Takayabu et al. (2015).
Figure 10.8e	NHRCM (5 km)	Input dataset				https://rainbow.iis.u-tokyo.ac.jp/~khibino/		(e) NHRCM (5-km) model, adapted from Takayabu et al. (2015).

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.8f	WRF (1 km)	Input dataset				https://rainbow.iis.u-tokyo.ac.jp/~khibino/		(f) WRF (1-km) model, adapted from Takayabu et al. (2015).
Figure 10.9	Figure 10.9 code	Code	recipe_CoppolaAlps.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.9 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory and CH10_additional_data/ECoppola_Alps directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.9 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.9a	Four-GCM mean (CMIP5) precipitation change	Input dataset	GCM.nc			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ECoppola_Alps/GCM.nc	GCM data from Giorgi et al. (2016)	
	CMIP5 data citations							
	CNRM-CM5: historical	Input dataset			Sénési et al. (2014a)			
	EC-EARTH: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2014a)			
	HadGEM2-ES: historical	Input dataset			Jones et al. (2014)			
	MPI-ESM-LR: historical	Input dataset			Giorgetta et al. (2012a)			
Figure 10.9b	Six-RCM mean precipitation change	Input dataset	RCM.nc			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ECoppola_Alps/RCM.nc	RCM data from Giorgi et al. (2016)	
	CORDEX data							
	ALADIN53 v1 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	CLMcom-CCLM4-8-17 v1 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				http://cordex.clm-community.eu/.		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.9b *(continued)*	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-11: CNRM-CERFACS-CNRM-CM5 historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RegCM4-6 v1 EUR-11: MOHC-HadGEM2-ES historical	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	REMO2009 v1 EUR-11: MPI-M-MPI-ESM-LR historical	Input dataset				www.remo-rcm.de		
Figure 10.10	Figure 10.10 code	Code	recipe_Douglas_SES_DJF.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.10 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory and CH10_additional_data/Atlas_regions directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.10 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.10a	**MPI-GE data**							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.10b	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Seasonal statistics require two out of three seasons to be valid.
	GPCC V2018 2.5°	Input dataset	full_data_monthly_v2018_25.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018c)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_25.nc.gz		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Seasonal statistics require two out of three seasons to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.10b	**MPI-GE data**							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Cross-Chapter Box 10.2, Figure 1	Reprint						Adapted from Maraun et al. (2017).	
Figure 10.11	Figure 10.11 code	Code	recipe_Sahel.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.11 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory and CH10_additional_data/ATurner_Aerosols directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.11 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.11 a, b, e	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Seasonal statistics require three out of four seasons to be valid. Climate statistics require 80% of data to be valid. Area statistics require 80% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11c	HadGEM3-GC3.1 0.2x aerosol scaling	Input dataset				https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ATurner_Aerosols/SMURPHS_r1_0p2_outJJAS.nc https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ATurner_Aerosols/SMURPHS_r2_0p2_outJJAS.nc https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ATurner_Aerosols/SMURPHS_r3_0p2_outJJAS.nc https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ATurner_Aerosols/SMURPHS_r4_0p2_outJJAS.nc https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/ATurner_Aerosols/SMURPHS_r5_0p2_outJJAS.nc	Model papers are: Williams et al. (2018) and Kuhlbrodt et al. (2018). The scaling experiment is described in Shonk et al. (2020).	

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11d	**CMIP6 data citations**							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical, hist-GHG, hist-aer	Input dataset			Ziehn et al. (2019a, 2020a, b)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer	Input dataset			Wu et al. (2018a, 2019a, b)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical, hist-GHG, hist-aer	Input dataset			Danabasoglu (2019a, b, 2020)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical, hist-GHG, hist-aer	Input dataset			Voldoire (2018a, 2019a, b)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical, hist-GHG, hist-aer	Input dataset			Swart et al. (2019a, c, d)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical, hist-GHG, hist-aer	Input dataset			Li (2019b, 2020a, b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11d *(continued)*	GFDL-ESM4: historical, hist-GHG, hist-aer	Input dataset			Horowitz et al. (2018a, b); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2019a)			
	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer	Input dataset			Jones (2019a, b); Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer	Input dataset			Boucher et al. (2018a, c, d)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical, hist-GHG, hist-aer	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer	Input dataset			Yukimoto et al. (2019a, c, d)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical, hist-GHG, hist-aer	Input dataset			Seland et al. (2019a, c, d)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11d *(continued)*	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
Figure 10.11e	GPCC V2018 2.5°	Input dataset	full_data_monthly_ v2018_25.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018c)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_25.nc.gz		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Seasonal statistics require three out of four seasons to be valid. Climate statistics require 80% of data to be valid. Area statistics require 50% of data to be valid. Trend calculations require at least seven out of 10 years to be valid.
	CSIRO-Mk3-6-0	Input dataset	pr_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.pr.html	Jeffrey et al. (2013)	
	d4PDF	Input dataset	pr_1951-2014_ run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/pr/pr_1951-2014_run[001..100].grd	Mizuta et al. (2017)	
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical, hist-GHG, hist-aer	Input dataset			Ziehn et al. (2019a, 2020a, b)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer	Input dataset			Wu et al. (2018a, 2019a, b)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical, hist-GHG, hist-aer	Input dataset			Danabasoglu (2019a, b, 2020)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11e *(continued)*	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical, hist-GHG, hist-aer	Input dataset			Voldoire (2018a, 2019a, b)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical, hist-GHG, hist-aer	Input dataset			Swart et al. (2019a, c, d)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical, hist-GHG, hist-aer	Input dataset			Li (2019b, 2020a, b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical, hist-GHG, hist-aer	Input dataset			Horowitz et al. (2018a, b); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2019a)			
	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer	Input dataset			Jones (2019a, b); Ridley et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11e *(continued)*	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer	Input dataset			Boucher et al. (2018a, c, d)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical, hist-GHG, hist-aer	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer	Input dataset			Yukimoto et al. (2019a, c, d)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical, hist-GHG, hist-aer	Input dataset			Seland et al. (2019a, c, d)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset						
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11e *(continued)*	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.11e *(continued)*	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.12	Figure 10.12 code	Code	recipe_SESA.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.12 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle and colormaps/ directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.12 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.12 b–c	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Seasonal statistics require two out of three seasons to be valid. Area statistics require 70% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.
Figure 10.12b	**MPI-GE data**							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.12 c, d	GPCC V2018 2.5°	Input dataset	full_data_monthly_v2018_25.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html		https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_25.nc.gz DOI:10.5676/DWD_GPCC/FD_M_V2018_250		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Seasonal statistics require two out of three seasons to be valid. Area statistics require 70% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.12d	CSIRO-Mk3-6-0	Input dataset	pr_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.pr.html	Jeffrey et al. (2013)	
	d4PDF	Input dataset	pr_1951-2014_run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/pr/pr_1951-2014_run[001..100].grd	Mizuta et al. (2017)	
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.12d *(continued)*	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.12d *(continued)*	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.13	Figure 10.13 code	Code	recipe_NAM.yml			https://github.com/ipcc-wgi/ESMValTool-AR6-OriginalCode-FinalFigures/blob/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10/recipe_NAM.yml		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.13 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, and colormaps/ directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.13 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.13 a–c	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Annual statistics require 10 out of 12 months to be valid. Trend calculations require at least eight out of 10 years to be valid.
Figure 10.13 a, c	GPCC V2018 1.0°	Input dataset	full_data_monthly_v2018_10.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018b)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_10.nc.gz DOI:10.5676/DWD_GPCC/FD_M_V2018_100		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Annual statistics require 10 out of 12 months to be valid. Trend calculations require at least six out of 10 years to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.13 a, c *(continued)*	REGEN	Input dataset	REGEN_AllStns_V1-2019_[1950 … 2016].nc and REGEN_AllStns_V1-2019_1950-2016_QualityMask.nc			http://dapds00.nci.org.au/thredds/fileServer/ks32/CLEX_Data/REGEN_AllStns/v1-2019/REGEN_AllStns_V1-2019_[1950 … 2016].nc	Contractor et al. (2020)	Precipitation data is conditioned on the Quality Mask. Annual statistics require 10 out of 12 months to be valid. Trend calculations require at least eight out of 10 years to be valid.
	GPCP v2.3	Input dataset	precip.mon.mean.nc			www.esrl.noaa.gov/psd/data/gridded/data.gpcp.html	Huffman et al. (2009)	
	d4PDF	Input dataset	pr_1951-2014_run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/pr/pr_1951-2014_run[001..100].grd	Mizuta et al. (2017)	
Figure 10.13a	**MPI-ESM data**							
	MPI-ESM: historical, rcp85	Input dataset						
Figure 10.13c	CSIRO-Mk3-6-0	Input dataset	pr_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.pr.html	Jeffrey et al. (2013)	
	CMIP6 data citations							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.13c *(continued)*	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.13c *(continued)*	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.14a	**CMIP6 data citations**							
	ACCESS-CM2: historical, piControl, ssp585	Input dataset			Dix et al. (2019a, b, f)			
	ACCESS-ESM1-5: historical, piControl, ssp585	Input dataset			Ziehn et al. (2019a, b, f)			
	AWI-CM-1-1-MR: historical, piControl, ssp585	Input dataset			Semmler et al. (2018c, d, 2019b)			
	BCC-CSM2-MR: historical, piControl, ssp585	Input dataset			Wu et al. (2018a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, piControl, ssp585	Input dataset			Rong (2019a, b, f)			
	CESM2: historical, piControl, ssp585	Input dataset			Danabasoglu (2019a, f); Danabasoglu et al. (2019)			
	CESM2-WACCM: historical, piControl, ssp585	Input dataset			Danabasoglu (2019h, i, m)			
	CIESM: historical, piControl, ssp585	Input dataset			Huang (2019a, b, 2020)			
	CMCC-CM2-SR5: historical, piControl, ssp585	Input dataset			Lovato and Peano (2020a, b, f)			
	CNRM-CM6-1: historical, piControl, ssp585	Input dataset			Voldoire (2018a, b, 2019f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.14a *(continued)*	CNRM-CM6-1-HR: historical, piControl, ssp585	Input dataset			Voldoire (2019g, h, l)			
	CNRM-ESM2-1: historical, piControl, ssp585	Input dataset			Seferian (2018a, b); Voldoire (2019p)			
	CanESM5: historical, piControl, ssp585	Input dataset			Swart et al. (2019a, b, h)			
	CanESM5-CanOE: historical, piControl, ssp585	Input dataset			Swart et al. (2019i, j, n)			
	E3SM-1-1: historical, piControl, ssp585	Input dataset			Bader et al. (2019a, b, 2020)			
	EC-Earth3: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, b, f)			
	EC-Earth3-Veg: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, j, n)			
	EC-Earth3-Veg-LR: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, b, c)			
	FGOALS-f3-L: historical, piControl, ssp585	Input dataset			Yu (2019a, b, f)			
	FGOALS-g3: historical, piControl, ssp585	Input dataset			Li (2019a, b, c)			
	FIO-ESM-2-0: historical, piControl, ssp585	Input dataset			Song et al. (2019a, b, c)			
	GFDL-CM4: historical, piControl, ssp585	Input dataset			Guo et al. (2018a, b, c)			
	GFDL-ESM4: historical, piControl, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a, b)			
	GISS-E2-1-G: historical, piControl, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, b, 2020d)			
	HadGEM3-GC31-LL: historical, piControl, ssp585	Input dataset			Ridley et al. (2018, 2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, piControl, ssp585	Input dataset			Ridley et al. (2019b, c); Jackson (2020)			
	IITM-ESM: historical, piControl, ssp585	Input dataset			Choudhury et al. (2019); Narayanasetti et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, piControl, ssp585	Input dataset			Volodin et al. (2019a, b, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.14a *(continued)*	INM-CM5-0: historical, piControl, ssp585	Input dataset			Volodin et al. (2019g, h, l)			
	IPSL-CM6A-LR: historical, piControl, ssp585	Input dataset			Boucher et al. (2018a, b, 2019d)			
	KACE-1-0-G: historical, piControl, ssp585	Input dataset			Byun et al. (2019d, e, f)			
	KIOST-ESM: historical, piControl, ssp585	Input dataset			Kim et al. (2019a, b, c)			
	MCM-UA-1-0: historical, piControl, ssp585	Input dataset			Stouffer (2019a, b, f)			
	MIROC-ES2L: historical, piControl, ssp585	Input dataset			Hajima et al. (2019a, b); Tachiiri et al. (2019d)			
	MIROC6: historical, piControl, ssp585	Input dataset			Tatebe and Watanabe (2018a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, piControl, ssp585	Input dataset			Jungclaus et al. (2019a, b); Schupfner et al. (2019)			
	MPI-ESM1-2-LR: historical, piControl, ssp585	Input dataset			Wieners et al. (2019d, e, f)			
	MRI-ESM2-0: historical, piControl, ssp585	Input dataset			Yukimoto et al. (2019a, b, h)			
	NESM3: historical, piControl, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a, b)			
	NorESM2-LM: historical, piControl, ssp585	Input dataset			Seland et al. (2019a, b, h)			
	NorESM2-MM: historical, piControl, ssp585	Input dataset			Bentsen et al. (2019a, b, f)			
	TaiESM1: historical, piControl, ssp585	Input dataset			Lee and Liang (2020a, b, c)			
	UKESM1-0-LL: historical, piControl, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a, b)			
Figure 10.14b	**CMIP6 data citations**							
	ACCESS-CM2: historical, piControl, ssp585	Input dataset			Dix et al. (2019a, b, f)			
	ACCESS-ESM1-5: historical, piControl, ssp585	Input dataset			Ziehn et al. (2019a, b, f)			
	AWI-CM-1-1-MR: historical, piControl, ssp585	Input dataset			Semmler et al. (2018c, d, 2019b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.14b *(continued)*	BCC-CSM2-MR: historical, piControl, ssp585	Input dataset			Wu et al. (2018a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, piControl, ssp585	Input dataset			Rong (2019a, b, f)			
	CESM2: historical, piControl, ssp585	Input dataset			Danabasoglu (2019a, f); Danabasoglu et al. (2019)			
	CESM2-WACCM: historical, piControl, ssp585	Input dataset			Danabasoglu (2019h, i, m)			
	CIESM: historical, piControl, ssp585	Input dataset			Huang (2019a, b, 2020)			
	CMCC-CM2-SR5: historical, piControl, ssp585	Input dataset			Lovato and Peano (2020a, b, f)			
	CNRM-CM6-1: historical, piControl, ssp585	Input dataset			Voldoire (2018a, b, 2019f)			
	CNRM-CM6-1-HR: historical, piControl, ssp585	Input dataset			Voldoire (2019g, h, l)			
	CNRM-ESM2-1: historical, piControl, ssp585	Input dataset			Seferian (2018a, b); Voldoire (2019p)			
	CanESM5: historical, piControl, ssp585	Input dataset			Swart et al. (2019a, b, h)			
	CanESM5-CanOE: historical, piControl, ssp585	Input dataset			Swart et al. (2019i, j, n)			
	E3SM-1-1: historical, piControl, ssp585	Input dataset			Bader et al. (2019a, b, 2020)			
	EC-Earth3: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, b, f)			
	EC-Earth3-Veg: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, j, n)			
	EC-Earth3-Veg-LR: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, b, c)			
	FGOALS-f3-L: historical, piControl, ssp585	Input dataset			Yu (2019a, b, f)			
	FGOALS-g3: historical, piControl, ssp585	Input dataset			Li (2019a, b, c)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-CM4: historical, piControl, ssp585	Input dataset			Guo et al. (2018a, b, c)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.14b *(continued)*	GFDL-ESM4: historical, piControl, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a, b)			
	GISS-E2-1-G: historical, piControl, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, b, 2020d)			
	HadGEM3-GC31-LL: historical, piControl, ssp585	Input dataset			Ridley et al. (2018, 2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, piControl, ssp585	Input dataset			Ridley et al. (2019b, c); Jackson (2020)			
	IITM-ESM: historical, piControl, ssp585	Input dataset			Choudhury et al. (2019); Narayanasetti et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, piControl, ssp585	Input dataset			Volodin et al. (2019a, b, f)			
	INM-CM5-0: historical, piControl, ssp585	Input dataset			Volodin et al. (2019g, h, l)			
	IPSL-CM6A-LR: historical, piControl, ssp585	Input dataset			Boucher et al. (2018a, b, 2019d)			
	KACE-1-0-G: historical, piControl, ssp585	Input dataset			Byun et al. (2019d, e, f)			
	KIOST-ESM: historical, piControl, ssp585	Input dataset			Kim et al. (2019a, b, c)			
	MCM-UA-1-0: historical, piControl, ssp585	Input dataset			Stouffer (2019a, b, f)			
	MIROC-ES2L: historical, piControl, ssp585	Input dataset			Hajima et al. (2019a, b); Tachiiri et al. (2019d)			
	MIROC6: historical, piControl, ssp585	Input dataset			Tatebe and Watanabe (2018a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, piControl, ssp585	Input dataset			Jungclaus et al. (2019a, b); Schupfner et al. (2019)			
	MPI-ESM1-2-LR: historical, piControl, ssp585	Input dataset			Wieners et al. (2019d, e, f)			
	MRI-ESM2-0: historical, piControl, ssp585	Input dataset			Yukimoto et al. (2019a, b, h)			
	NESM3: historical, piControl, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a, b)			
	NorESM2-LM: historical, piControl, ssp585	Input dataset			Seland et al. (2019a, b, h)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.14b *(continued)*	NorESM2-MM: historical, piControl, ssp585	Input dataset			Bentsen et al. (2019a, b, f)			
	TaiESM1: historical, piControl, ssp585	Input dataset			Lee and Liang (2020a, b, c)			
	UKESM1-0-LL: historical, piControl, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a, b)			
Figure 10.15a	**CMIP6 data citations**							
	ACCESS-CM2: historical, piControl, ssp585	Input dataset			Dix et al. (2019a, b, f)			
	ACCESS-ESM1-5: historical, piControl, ssp585	Input dataset			Ziehn et al. (2019a, b, f)			
	AWI-CM-1-1-MR: historical, piControl, ssp585	Input dataset			Semmler et al. (2018c, d, 2019b)			
	BCC-CSM2-MR: historical, piControl, ssp585	Input dataset			Wu et al. (2018a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, piControl, ssp585	Input dataset			Rong (2019a, b, f)			
	CESM2: historical, piControl, ssp585	Input dataset			Danabasoglu (2019a, f); Danabasoglu et al. (2019)			
	CESM2-WACCM: historical, piControl, ssp585	Input dataset			Danabasoglu (2019h, i, m)			
	CIESM: historical, piControl, ssp585	Input dataset			Huang (2019a, b, 2020)			
	CMCC-CM2-SR5: historical, piControl, ssp585	Input dataset			Lovato and Peano (2020a, b, f)			
	CNRM-CM6-1: historical, piControl, ssp585	Input dataset						
	CNRM-CM6-1-HR: historical, piControl, ssp585	Input dataset						
	CNRM-ESM2-1: historical, piControl, ssp585	Input dataset						
	CanESM5: historical, piControl, ssp585	Input dataset			Swart et al. (2019a, b, h)			
	CanESM5-CanOE: historical, piControl, ssp585	Input dataset			Swart et al. (2019i, j, n)			
	E3SM-1-1: historical, piControl, ssp585	Input dataset			Bader et al. (2019a, b, 2020)			
	EC-Earth3: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, b, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.15a *(continued)*	EC-Earth3-Veg: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, j, n)			
	EC-Earth3-Veg-LR: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, b, c)			
	FGOALS-f3-L: historical, piControl, ssp585	Input dataset			Yu (2019a, b, f)			
	FGOALS-g3: historical, piControl, ssp585	Input dataset			Li (2019b, c, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-CM4: historical, piControl, ssp585	Input dataset			Guo et al. (2018a, b, c)			
	GFDL-ESM4: historical, piControl, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a, b)			
	GISS-E2-1-G: historical, piControl, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, b, 2020d)			
	HadGEM3-GC31-LL: historical, piControl, ssp585	Input dataset			Ridley et al. (2018, 2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, piControl, ssp585	Input dataset			Ridley et al. (2019b, c); Jackson (2020)			
	IITM-ESM: historical, piControl, ssp585	Input dataset			Choudhury et al. (2019); Narayanasetti et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, piControl, ssp585	Input dataset			Volodin et al. (2019a, b, f)			
	INM-CM5-0: historical, piControl, ssp585	Input dataset			Volodin et al. (2019g, h, l)			
	IPSL-CM6A-LR: historical, piControl, ssp585	Input dataset			Boucher et al. (2018a, b, 2019d)			
	KACE-1-0-G: historical, piControl, ssp585	Input dataset			Byun et al. (2019d, e, f)			
	KIOST-ESM: historical, piControl, ssp585	Input dataset			Kim et al. (2019a, b, c)			
	MCM-UA-1-0: historical, piControl, ssp585	Input dataset			Stouffer (2019a, b, f)			
	MIROC-ES2L: historical, piControl, ssp585	Input dataset			Hajima et al. (2019a, b); Tachiiri et al. (2019d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.15a *(continued)*	MIROC6: historical, piControl, ssp585	Input dataset			Tatebe and Watanabe (2018a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, piControl, ssp585	Input dataset			Jungclaus et al. (2019a, b); Schupfner et al. (2019)			
	MPI-ESM1-2-LR: historical, piControl, ssp585	Input dataset			Wieners et al. (2019d, e, f)			
	MRI-ESM2-0: historical, piControl, ssp585	Input dataset			Yukimoto et al. (2019a, b, h)			
	NESM3: historical, piControl, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a, b)			
	NorESM2-LM: historical, piControl, ssp585	Input dataset			Seland et al. (2019a, b, h)			
	NorESM2-MM: historical, piControl, ssp585	Input dataset			Bentsen et al. (2019a, b, f)			
	TaiESM1: historical, piControl, ssp585	Input dataset			Lee and Liang (2020a, b, c)			
	UKESM1-0-LL: historical, piControl, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a, b)			
Figure 10.15b	CSIRO-Mk3-6-0	Input dataset	pr_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.pr.html	Jeffrey et al. (2013)	
	CMIP6 data citations							
	ACCESS-CM2: historical, piControl, ssp585	Input dataset			Dix et al. (2019a, b, f)			
	ACCESS-ESM1-5: historical, piControl, ssp585	Input dataset			Ziehn et al. (2019a, b, f)			
	AWI-CM-1-1-MR: historical, piControl, ssp585	Input dataset			Semmler et al. (2018c, d, 2019b)			
	BCC-CSM2-MR: historical, piControl, ssp585	Input dataset			Wu et al. (2018a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, piControl, ssp585	Input dataset			Rong (2019a, b, f)			
	CESM2: historical, piControl, ssp585	Input dataset			Danabasoglu (2019a, f); Danabasoglu et al. (2019)			
	CESM2-WACCM: historical, piControl, ssp585	Input dataset			Danabasoglu (2019h, i, m)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.15b *(continued)*	CIESM: historical, piControl, ssp585	Input dataset			Huang (2019a, b, 2020)			
	CMCC-CM2-SR5: historical, piControl, ssp585	Input dataset			Lovato and Peano (2020a, b, f)			
	CNRM-CM6-1: historical, piControl, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, piControl, ssp585	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical, piControl, ssp585	Input dataset			Seferian (2018a)			
	CanESM5: historical, piControl, ssp585	Input dataset			Swart et al. (2019a, b, h)			
	CanESM5-CanOE: historical, piControl, ssp585	Input dataset			Swart et al. (2019i, j, n)			
	E3SM-1-1: historical, piControl, ssp585	Input dataset			Bader et al. (2019a, b, 2020)			
	EC-Earth3: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, b, f)			
	EC-Earth3-Veg: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, j, n)			
	EC-Earth3-Veg-LR: historical, piControl, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, b, c)			
	FGOALS-f3-L: historical, piControl, ssp585	Input dataset			Yu (2019a, b, f)			
	FGOALS-g3: historical, piControl, ssp585	Input dataset			Li (2019b, c, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-CM4: historical, piControl, ssp585	Input dataset			Guo et al. (2018a, b, c)			
	GFDL-ESM4: historical, piControl, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a, b)			
	GISS-E2-1-G: historical, piControl, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, b, 2020d)			
	HadGEM3-GC31-LL: historical, piControl, ssp585	Input dataset			Ridley et al. (2018, 2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, piControl, ssp585	Input dataset			Ridley et al. (2019b, c); Jackson (2020)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.15b *(continued)*	IITM-ESM: historical, piControl, ssp585	Input dataset			Choudhury et al. (2019); Narayanasetti et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, piControl, ssp585	Input dataset			Volodin et al. (2019a, b, f)			
	INM-CM5-0: historical, piControl, ssp585	Input dataset			Volodin et al. (2019g, h, l)			
	IPSL-CM6A-LR: historical, piControl, ssp585	Input dataset			Boucher et al. (2018a, b, 2019d)			
	KACE-1-0-G: historical, piControl, ssp585	Input dataset			Byun et al. (2019d, e, f)			
	KIOST-ESM: historical, piControl, ssp585	Input dataset			Kim et al. (2019a, b, c)			
	MCM-UA-1-0: historical, piControl, ssp585	Input dataset			Stouffer (2019a, b, f)			
	MIROC-ES2L: historical, piControl, ssp585	Input dataset			Hajima et al. (2019a, b); Tachiiri et al. (2019d)			
	MIROC6: historical, piControl, ssp585	Input dataset			Tatebe and Watanabe (2018a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, piControl, ssp585	Input dataset			Jungclaus et al. (2019a, b); Schupfner et al. (2019)			
	MPI-ESM1-2-LR: historical, piControl, ssp585	Input dataset			Wieners et al. (2019d, e, f)			
	MRI-ESM2-0: historical, piControl, ssp585	Input dataset			Yukimoto et al. (2019a, b, h)			
	NESM3: historical, piControl, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a, b)			
	NorESM2-LM: historical, piControl, ssp585	Input dataset			Seland et al. (2019a, b, h)			
	NorESM2-MM: historical, piControl, ssp585	Input dataset			Bentsen et al. (2019a, b, f)			
	TaiESM1: historical, piControl, ssp585	Input dataset			Lee and Liang (2020a, b, c)			
	UKESM1-0-LL: historical, piControl, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a, b)			
	MPI-GE data							
	MPI-ESM: historical, piControl, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.15b *(continued)*	**CMIP5 data citations**							
	CSIRO-Mk3-6-0: piControl	Input dataset			Jeffrey et al. (2016b)			
Figure 10.16a	**CORDEX data**							
	CCLM4-8-17 v1 AFR-44: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	RACMO22T v1 AFR-44: ICHEC-EC-EARTH historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	RACMO22T v2 AFR-44: MOHC-HadGEM2-ES historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	RCA4 v1 AFR-44: CNRM-CERFACS-CNRM-CM5 historical, ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-MR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	REMO2009 v1 AFR-44: ICHEC-EC-EARTH historical, IPSL-IPSL-CM5A-LR historical, MIROC-MIROC5 historical, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
Figure 10.16b	**CORDEX data**							
	RCA4 v1 AFR-44: IPSL-IPSL-CM5A-MR historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
Figure 10.16c	**CORDEX data**							
	REMO2009 v1 AFR-44: IPSL-IPSL-CM5A-LR historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
Figure 10.16d	**CORDEX data**							
	RCA4 v1 AFR-44: ICHEC-EC-EARTH historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.16e	**CORDEX data**							
	REMO2009 v1 AFR-44: ICHEC-EC-EARTH historical	Input dataset			Dosio et al. (2020)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
Figure 10.18	Figure 10.18 code	Code	Cape-Town_case_study.py, ar6_wgi_ch10.mplstyle, colormaps/ directory and CH10_additional_data/ Cape_Town directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	8 km CCAM metadata	Input dataset	Precipitation data				Engelbrecht et al. (2011)	CSIR (the institution that generated the data) does not provide access to the data.
Figure 10.18 c, d	CRU TS v4.03	Input dataset	cru_ts4.03.1901.2018.pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://dap.ceda.ac.uk/badc/cru/data/cru_ts/cru_ts_4.03/data/pre/cru_ts4.03.1901.2018.pre.dat.nc.gz	Harris et al. (2020)	
	GPCC V2018 0.5°	Input dataset	full_data_monthly_v2018_25.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018a)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_05.nc.gz		
	NCEP-NCAR	Input dataset	slp.mon.mean.nc	CC BY-SA 4.0		ftp://ftp.cdc.noaa.gov/Datasets/ncep.reanalysis.derived/surface/slp.mon.mean.nc	Kalnay et al. (1996)	
	ERA-20C	Input dataset	Monthly mean sea level pressure from KNMI climate explorer.			https://climexp.knmi.nl/selectfield_rea.cgi?id=someone@somewhere	Poli et al. (2016)	
	20CR v3	Input dataset	Monthly mean sea level pressure from KNMI climate explorer.			https://climexp.knmi.nl/selectfield_rea.cgi?id=someone@somewhere	Slivinski et al. (2019)	

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18 a–d	Station data	Input dataset	[NUWEBERG, RUSTFONTEIN, TUSSENBEIDE, BOSKLOOF, ROBBEN_ISLAND, VRUGBAAR, BELLEVUE, RHEBOKSKRAAL, HOPEFIELD, DARLING_-_THE_ TOWERS, TOUWSRIVIER, PIKETBERG-SAPD, ELANDSFONTEIN, MERTENHOF, REENEN, PUTS, VANRHYNSDORP, CALVINIA_BO-DOWNES, DE_HOOP, NUWERUS] stations			Station data are obtained directly from SAWS, available upon request from climate@csag.uct.ac.za. Some station data that were used are available from: www.dws.gov.za/Hydrology/		
Figure 10.18c	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-ESM2: historical, ssp585	Input dataset			Lovato et al. (2021a, b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18c *(continued)*	E3SM-1-1: historical, ssp585	Input dataset			Bader et al. (2019a, 2020)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-CC: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2021a, b)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3-Veg-LR: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, c)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019a, b)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	IITM-ESM: historical, ssp585	Input dataset			Choudhury et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, ssp585	Input dataset			Jungclaus et al. (2019a); Schupfner et al. (2019)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18c *(continued)*	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	TaiESM1: historical, ssp585	Input dataset			Lee and Liang (2020a, c)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CORDEX data							
	CLMcom-CCLM4-8-17 v1 AFR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH rcp85, MPI-M-MPI-ESM-LR rcp85				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	http://cordex.clm-community.eu/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	DMI-HIRHAM5 v2 AFR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.dmi.dk/ https://esgf-node.llnl.gov/projects/esgf-llnl/		
	GERICS-REMO2009 v1 AFR-44: IPSL-IPSL-CM5A-LR historical, IPSL-IPSL-CM5A-LR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, NOAA-GFDL-GFDL-ESM2G historical				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.remo-rcm.de https://esgf-node.llnl.gov/projects/esgf-llnl/		
	KNMI-RACMO22T v1 AFR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.knmi.nl/research https://esgf-node.llnl.gov/projects/esgf-llnl/		
	KNMI-RACMO22T v2 AFR-44: MOHC-HadGEM2-ES historical				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.knmi.nl/research https://esgf-node.llnl.gov/projects/esgf-llnl/		
	MPI-CSC-REMO2009 v1 AFR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.knmi.nl/research https://esgf-node.llnl.gov/projects/esgf-llnl/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18c *(continued)*	SMHI-RCA4 v1 AFR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85				Giorgi and Gutowski (2015); Giorgi et al. (2009) Gutowski et al. (2016)	www.smhi.se/en/research https://esgf-node.llnl.gov/projects/esgf-llnl/		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18c *(continued)*	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, f, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	EC-EARTH: historical, rcp85	Input dataset			EC-Earth Consortium (EC-Earth) (2014a, b)			
	FGOALS-g2: historical, rcp85	Input dataset			LASG Institute of Atmospheric Physics Chinese Academy of Sciences (IAP-LASG) (2015a, b)			
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18c *(continued)*	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.18d	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-ESM2: historical, ssp585	Input dataset			Lovato et al. (2021a, b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18d *(continued)*	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	E3SM-1-1: historical, ssp585	Input dataset			Bader et al. (2019a, 2020)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-CC: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2021a, b)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3-Veg-LR: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2020a, c)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019a, b)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	IITM-ESM: historical, ssp585	Input dataset			Choudhury et al. (2019); Panickal et al. (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-HR: historical, ssp585	Input dataset			Jungclaus et al. (2019a); Schupfner et al. (2019)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18d *(continued)*	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	TaiESM1: historical, ssp585	Input dataset			Lee and Liang (2020a, c)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, f, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	EC-EARTH: historical, rcp85	Input dataset			EC-Earth Consortium (EC-Earth) (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18d *(continued)*	FGOALS-g2: historical, rcp85	Input dataset			LASG Institute of Atmospheric Physics Chinese Academy of Sciences (IAP-LASG) (2015a, b)			
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014a, k)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014f, i)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.18d *(continued)*	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
	bcc-csm1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	inmcm4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
Figure 10.19	Figure 10.19 code	Code	recipe_ IndianMonsoon.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.19 code	Code	diagnostic_IPCC_ AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory, CH10_additional_data/ ATurner_SouthAsia directory and CH10_ additional_data/Atlas_ regions directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.19 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.19 b–e	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019. pre.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/pre/cru_ts4.04.1901.2019.pre.dat.nc.gz	Harris et al. (2020)	Precipitation is conditioned on station (nc file variable, number of stations contributing to each datum) being at least one. Seasonal statistics require three out of four seasons to be valid. Climate statistics require 80% of data to be valid. Area statistics require 80% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19b	**CMIP6 data citations**							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19b *(continued)*	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a)			
Figure 10.19c	**CMIP6 data citations**							
	ACCESS-CM2: ssp585	Input dataset			Dix et al. (2019f)			
	ACCESS-ESM1-5: hist-GHG, hist-aer, ssp585	Input dataset			Ziehn et al. (2019f, 2020a, b)			
	AWI-CM-1-1-MR: ssp585	Input dataset			Semmler et al. (2019b)			
	BCC-CSM2-MR: hist-GHG, hist-aer, ssp585	Input dataset			Wu et al. (2019a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: ssp585	Input dataset			Rong (2019f)			
	CESM2: hist-GHG, hist-aer, ssp585	Input dataset			Danabasoglu (2019b, f, 2020)			
	CESM2-WACCM: ssp585	Input dataset			Danabasoglu (2019m)			
	CMCC-CM2-SR5: ssp585	Input dataset			Lovato and Peano (2020f)			
	CNRM-CM6-1: hist-GHG, hist-aer, ssp585	Input dataset			Voldoire (2019a, b, f)			
	CNRM-CM6-1-HR: ssp585	Input dataset			Voldoire (2019l)			
	CNRM-ESM2-1: ssp585	Input dataset			Voldoire (2019p)			
	CanESM5: hist-GHG, hist-aer, ssp585	Input dataset			Swart et al. (2019c, d, h)			
	CanESM5-CanOE: ssp585	Input dataset			Swart et al. (2019n)			
	EC-Earth3: ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019f)			
	EC-Earth3-Veg: ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019n)			
	FGOALS-f3-L: ssp585	Input dataset			Yu (2019f)			
	FGOALS-g3: hist-GHG, hist-aer, ssp585	Input dataset			Li (2019g, 2020a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19c *(continued)*	GFDL-ESM4: hist-GHG, hist-aer, ssp585	Input dataset			Horowitz et al. (2018a, b); John et al. (2018d)			
	GISS-E2-1-G: hist-GHG, hist-aer, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018c, d, 2020d)			
	HadGEM3-GC31-LL: hist-GHG, hist-aer, ssp585	Input dataset			Jones (2019a, b); Good (2020)			
	HadGEM3-GC31-MM: ssp585	Input dataset			Jackson (2020)			
	INM-CM4-8: ssp585	Input dataset			Volodin et al. (2019f)			
	INM-CM5-0: ssp585	Input dataset			Volodin et al. (2019l)			
	IPSL-CM6A-LR: hist-GHG, hist-aer, ssp585	Input dataset			Boucher et al. (2018c, d, 2019d)			
	KACE-1-0-G: ssp585	Input dataset			Byun et al. (2019d)			
	MCM-UA-1-0: ssp585	Input dataset			Stouffer (2019f)			
	MIROC-ES2L: ssp585	Input dataset			Tachiiri et al. (2019d)			
	MIROC6: hist-GHG, hist-aer, ssp585	Input dataset			Shiogama (2019a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: ssp585	Input dataset			Wieners et al. (2019d)			
	MRI-ESM2-0: hist-GHG, hist-aer, ssp585	Input dataset			Yukimoto et al. (2019c, d, h)			
	NESM3: ssp585	Input dataset			Cao (2019)			
	NorESM2-LM: hist-GHG, hist-aer, ssp585	Input dataset			Seland et al. (2019c, d, h)			
	NorESM2-MM: ssp585	Input dataset			Bentsen et al. (2019f)			
	UKESM1-0-LL: ssp585	Input dataset			Good et al. (2019d)			
Figure 10.19 d, e	GPCC V2018 2.5°	Input dataset	full_data_monthly_ v2018_25.nc.gz	May be used without any restrictions provided that the source is acknowledged. www.dwd.de/EN/service/copyright/copyright_node.html	Schneider et al. (2018c)	https://opendata.dwd.de/climate_environment/GPCC/full_data_2018/full_data_monthly_v2018_25.nc.gz DOI:10.5676/DWD_GPCC/FD_M_V2018_250		Precipitation is conditioned on numgauge (nc file variable, gauges per grid cell) being at least one. Seasonal statistics require three out of four seasons to be valid. Area statistics require 80% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19 d, e *(continued)*	REGEN	Input dataset	REGEN_AllStns_V1-2019_[1950 … 2016].nc and REGEN_AllStns_V1-2019_1950-2016_QualityMask.nc			http://dapds00.nci.org.au/thredds/fileServer/ks32/CLEX_Data/REGEN_AllStns/v1-2019/REGEN_AllStns_V1-2019_[1950 … 2016].nc	Contractor et al. (2020)	Precipitation data is conditioned on the Quality Mask. Seasonal statistics require three out of four seasons to be valid. Area statistics require 80% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.
Figure 10.19 a, d, e	APHRO-MA V1101 0.5°	Input dataset	APHRO_MA_050deg_V1101.1951-2007.nc.gz.tar			http://aphrodite.st.hirosaki-u.ac.jp/download/	Yatagai et al. (2012)	Variables precip ((d) and (e)) and rstn (a). Seasonal statistics require three out of four seasons to be valid. Area statistics require 80% of data to be valid. Trend calculations require at least eight out of 10 years to be valid.
Figure 10.19d	IITM	Input dataset	iitm-regionrf_all_india.csv			ftp://www.tropmet.res.in/pub/data/rain/iitm-regionrf.txt	Parthasarathy et al. (1994)	ALL-INDIA RAINFALL (1871–2016), 30 SUBDIVISIONS AREA, column JJAS.
	CMIP6 data citations							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, hist-GHG, hist-aer, ssp585	Input dataset			Ziehn et al. (2019a, f, 2020a, b)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer, ssp585	Input dataset			Wu et al. (2018a, 2019a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, hist-GHG, hist-aer, ssp585	Input dataset			Danabasoglu (2019a, b, f, 2020)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19d *(continued)*	CNRM-CM6-1: historical, hist-GHG, hist-aer, ssp585	Input dataset			Voldoire (2018a, 2019a, b, f)			
	CNRM-CM6-1-HR: historical, ssp585	Input dataset			Voldoire (2019g, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, hist-GHG, hist-aer, ssp585	Input dataset			Swart et al. (2019a, c, d, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, hist-GHG, hist-aer, ssp585	Input dataset			Li (2019b, g, 2020a, b)			
	GFDL-ESM4: historical, hist-GHG, hist-aer, ssp585	Input dataset			Horowitz et al. (2018a, b); John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d, 2020d)			
	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer, ssp585	Input dataset			Jones (2019a, b); Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer, ssp585	Input dataset			Boucher et al. (2018a, c, d, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19d *(continued)*	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, hist-GHG, hist-aer, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer, ssp585	Input dataset			Yukimoto et al. (2019a, c, d, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, hist-GHG, hist-aer, ssp585	Input dataset			Seland et al. (2019a, c, d, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19d *(continued)*	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	EC-EARTH: historical, rcp85	Input dataset			EC-Earth Consortium (EC-Earth) (2014a, b)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19d *(continued)*	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.19e	CSIRO-Mk3-6-0	Input dataset	pr_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.pr.html	Jeffrey et al. (2013)	
	d4PDF	Input dataset	pr_1951-2014_run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/pr/pr_1951-2014_run[001..100].grd	Mizuta et al. (2017)	
	CMIP6 data citations							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, hist-GHG, hist-aer, ssp585	Input dataset			Ziehn et al. (2019a, f, 2020a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19e *(continued)*	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer, ssp585	Input dataset			Wu et al. (2018a, 2019a, b); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, hist-GHG, hist-aer, ssp585	Input dataset			Danabasoglu (2019a, b, f, 2020)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CNRM-CM6-1: historical, hist-GHG, hist-aer, ssp585	Input dataset			Voldoire (2018a, 2019a, b, f)			
	CNRM-CM6-1-HR: historical, ssp585	Input dataset			Voldoire (2019g, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, hist-GHG, hist-aer, ssp585	Input dataset			Swart et al. (2019a, c, d, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, hist-GHG, hist-aer, ssp585	Input dataset			Li (2019b, g, 2020a, b)			
	GFDL-ESM4: historical, hist-GHG, hist-aer, ssp585	Input dataset			Horowitz et al. (2018a, b); John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d, 2020d)			
	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer, ssp585	Input dataset			Jones (2019a, b); Ridley et al. (2019a); Good (2020)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19e *(continued)*	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer, ssp585	Input dataset			Boucher et al. (2018a, c, d, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, hist-GHG, hist-aer, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer, ssp585	Input dataset			Yukimoto et al. (2019a, c, d, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, hist-GHG, hist-aer, ssp585	Input dataset			Seland et al. (2019a, c, d, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19e *(continued)*	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19e *(continued)*	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.19e *(continued)*	**MPI-GE data**							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.19f	**MPI-GE data**							
	MPI-ESM: rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
Figure 10.20	Figure 10.20 code	Code	recipe_Mediterranean.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.20 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory, CH10_additional_data/ Mediterranean_station_info directory and CH10_additional_data/ GvdSchrier_pdfs directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.20 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Figure 10.20b	E-OBS station information tg	Input dataset	stations_info_tg_v21.0e.txt			https://knmi-ecad-assets-prd.s3.amazonaws.com/ensembles/data/stations_info_tg_v21.0e.txt	Cornes et al. (2018)	
	Donat et al. (2014) station information	Input dataset	As indicated in Table 1 of Donat et al. (2014)				Donat et al. (2014)	
Figure 10.20c	NOAA Global Temp v5	Input dataset	NOAAGlobalTemp_v5.0.0_gridded_s188001_e202102_c20210308T133310.nc			www.ncei.noaa.gov/data/noaa-global-surface-temperature/v5/access/gridded/NOAAGlobalTemp_v5.0.0_gridded_s188001_e202102_c20210308T133310.nc	Zhang et al. (2019)	
	CRUTEM4	Input dataset	CRUTEM.4.6.0.0.anomalies.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/temperature/CRUTEM.4.6.0.0.anomalies.nc	Jones et al. (2012)	
	GISTEMP version 4	Input dataset	gistemp250_GHCNv4.nc			https://data.giss.nasa.gov/pub/gistemp/gistemp250_GHCNv4.nc.gz	Lenssen et al. (2019)	

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20 c–g	Berkeley Earth	Input dataset	Land_and_Ocean_ LatLong1.nc			http://berkeleyearth.lbl.gov/auto/Global/Gridded/Land_and_Ocean_LatLong1.nc	Rohde et al. (2013)	land_source_history = «13-Jan-2020 17:22:52», ocean_source_history = «07-Jan-2020 10:46:06»
Figure 10.20 e, f	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019. tmp.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/tmp/cru_ts4.04.1901.2019.tmp.dat.nc.gz	Harris et al. (2020)	
Figure 10.20 e, f	HadCRUT5	Input dataset	HadCRUT.5.0.0.0. anomalies.ensemble_ mean.nc and absolute_ v5.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/temperature/HadCRUT.5.0.0.0.anomalies.ensemble_mean.nc	Morice et al. (2021)	Absolute values derived by adding the anomaly to https://crudata.uea.ac.uk/cru/data/temperature/absolute_v5.nc
Figure 10.20e	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			Huang (2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			(NASA Goddard Institute for Space Studies (NASA/ GISS), 2018a, 2020d)			
	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
Figure 10.20e *(continued)*	**CORDEX data**							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Stouffer (2019a, f)	www.metoffice.gov.uk/weather/climate/met-office-hadley-centre/index		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
Figure 10.20e *(continued)*	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de/		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20e *(continued)*	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.20f	CSIRO-Mk3-6-0	Input dataset	tas_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.tas.html	Jeffrey et al. (2013)	
	d4PDF	Input dataset	tas_1951-2014_run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/tas/tas_1951-2014_run[001..100].grd	Mizuta et al. (2017)	
	CMIP6 data citations							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			Huang (2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, 2020d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
	CORDEX data citations							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		
	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Walters et al. (2019)	www.metoffice.gov.uk/climate-guide/science/science-behind-climate-change/hadley		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	REMO2015 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset						
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20f *(continued)*	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
	bcc-csm1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	bcc-csm1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	inmcm4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
Figure 10.20g	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			(Huang, 2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			(NASA Goddard Institute for Space Studies (NASA/ GISS), 2018a, 2020d)			
	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CORDEX data citations							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.umr-cnrm.fr/spip.php?article125&lang=en		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Walters et al. (2019)	www.metoffice.gov.uk/climate-guide/science/science-behind-climate-change/hadley		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de/		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.20g *(continued)*	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.21	Figure 10.21 code	Code	recipe_ Mediterranean.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.21 code	Code	diagnostic_IPCC_ AR6_CH10.py, ar6_wgi_ch10.mplstyle and colormaps/ directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Figure 10.21 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			Huang (2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, 2020d)			
	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CORDEX data							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.clm-community.eu		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.clm-community.eu		
	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.clm-community.eu		http://cordex.clm-community.eu/
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		
	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Walters et al. (2019)	www.metoffice.gov.uk/climate-guide/science/science-behind-climate-change/hadley		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research www.dmi.dk/		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de/		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			
	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			
	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21a *(continued)*	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.21b	CSIRO-Mk3-6-0	Input dataset	tas_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.tas.html	Jeffrey et al. (2013)	
	CMIP6 data citations							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			
	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			Huang (2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, 2020d)			
	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			
	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
	CORDEX data							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.clm-community.eu		
	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.clm-community.eu		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Walters et al. (2019)	https://www.metoffice.gov.uk/climate-guide/science/science-behind-climate-change/hadley		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de/		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21b *(continued)*	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.21c	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp585	Input dataset			Dix et al. (2019a, f)			
	ACCESS-ESM1-5: historical, ssp585	Input dataset			Ziehn et al. (2019a, f)			
	AWI-CM-1-1-MR: historical, ssp585	Input dataset			Semmler et al. (2018c, 2019b)			
	BCC-CSM2-MR: historical, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019d)			
	CAMS-CSM1-0: historical, ssp585	Input dataset			Rong (2019a, f)			
	CESM2: historical, ssp585	Input dataset			Danabasoglu (2019a, f)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	CESM2-WACCM: historical, ssp585	Input dataset			Danabasoglu (2019h, m)			
	CIESM: historical, ssp585	Input dataset			Huang (2019a, 2020)			
	CMCC-CM2-SR5: historical, ssp585	Input dataset			Lovato and Peano (2020a, f)			
	CMCC-CM2-VHR4: highres-future, hist-1950	Input dataset			Scoccimarro et al. (2018, 2019b)			
	CNRM-CM6-1: historical, ssp585	Input dataset			Voldoire (2018a, 2019f)			
	CNRM-CM6-1-HR: historical, highres-future, hist-1950, ssp585	Input dataset			Voldoire (2019g, i, j, l)			
	CNRM-ESM2-1: historical, ssp585	Input dataset			Seferian (2018a); Voldoire (2019p)			
	CanESM5: historical, ssp585	Input dataset			Swart et al. (2019a, h)			
	CanESM5-CanOE: historical, ssp585	Input dataset			Swart et al. (2019i, n)			
	EC-Earth3: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, f)			
	EC-Earth3-Veg: historical, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, n)			
	EC-Earth3P-HR: highres-future, hist-1950	Input dataset			EC-Earth Consortium (EC-Earth) (2018, 2019h)			
	FGOALS-f3-L: historical, ssp585	Input dataset			Yu (2019a, f)			
	FGOALS-g3: historical, ssp585	Input dataset			Li (2019b, g)			
	FIO-ESM-2-0: historical, ssp585	Input dataset			Song et al. (2019a, c)			
	GFDL-ESM4: historical, ssp585	Input dataset			John et al. (2018d); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, 2020d)			
	HadGEM3-GC31-HH: highres-future, hist-1950	Input dataset			Coward and Roberts (2018); Roberts (2019)			
	HadGEM3-GC31-LL: historical, ssp585	Input dataset			Ridley et al. (2019a); Good (2020)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	HadGEM3-GC31-MM: historical, ssp585	Input dataset			Ridley et al. (2019b); Jackson (2020)			
	INM-CM4-8: historical, ssp585	Input dataset			Volodin et al. (2019a, f)			
	INM-CM5-0: historical, ssp585	Input dataset			Volodin et al. (2019g, l)			
	IPSL-CM6A-LR: historical, ssp585	Input dataset			Boucher et al. (2018a, 2019d)			
	KACE-1-0-G: historical, ssp585	Input dataset			Byun et al. (2019d, e)			
	MCM-UA-1-0: historical, ssp585	Input dataset			Stouffer (2019a, f)			
	MIROC-ES2L: historical, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019d)			
	MIROC6: historical, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019d)			
	MPI-ESM1-2-LR: historical, ssp585	Input dataset			Wieners et al. (2019d, e)			
	MRI-ESM2-0: historical, ssp585	Input dataset			Yukimoto et al. (2019a, h)			
	NESM3: historical, ssp585	Input dataset			Cao (2019); Cao and Wang (2019a)			
	NorESM2-LM: historical, ssp585	Input dataset			Seland et al. (2019a, h)			
	NorESM2-MM: historical, ssp585	Input dataset			Bentsen et al. (2019a, f)			
	UKESM1-0-LL: historical, ssp585	Input dataset			Good et al. (2019d); Tang et al. (2019a)			
	CORDEX data							
	ALADIN52 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.met.hu/en/RCM		
	ALADIN63 v1 EUR-11: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.clm-community.eu		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	ALADIN63 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85	Input dataset				www.clm-community.eu/		
	CCLM4-8-17 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM4-8-17 v1 EUR-44: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	CCLM5-0-6 v1 EUR-44: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				http://cordex.clm-community.eu/		
	COSMO-crCLIM-v1-1 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				http://cordex.clm-community.eu/		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	HadREM3-GA7-05 v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset			Walters et al. (2019)	https://www.metoffice.gov.uk/climate-guide/science/science-behind-climate-change/hadley		
	HIRHAM5 v1 EUR-11: MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	HIRHAM5 v3 EUR-11: NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-11: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v1 EUR-44: ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	RACMO22E v2 EUR-11: CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RACMO22E v2 EUR-44: MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		
	RCA4 v1 EUR-44: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, CNRM-CERFACS-CNRM-CM5 historical, CNRM-CERFACS-CNRM-CM5 rcp85, CSIRO-QCCCE-CSIRO-Mk3-6-0 historical, CSIRO-QCCCE-CSIRO-Mk3-6-0 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85, NOAA-GFDL-GFDL-ESM2M historical, NOAA-GFDL-GFDL-ESM2M rcp85	Input dataset				www.smhi.se/en/research www.knmi.nl/research		

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	REMO2015 v1 EUR-11: CCCma-CanESM2 historical, CCCma-CanESM2 rcp85, ICHEC-EC-EARTH historical, ICHEC-EC-EARTH rcp85, IPSL-IPSL-CM5A-MR historical, IPSL-IPSL-CM5A-MR rcp85, MIROC-MIROC5 historical, MIROC-MIROC5 rcp85, MOHC-HadGEM2-ES historical, MOHC-HadGEM2-ES rcp85, MPI-M-MPI-ESM-LR historical, MPI-M-MPI-ESM-LR rcp85, NCC-NorESM1-M historical, NCC-NorESM1-M rcp85	Input dataset				www.remo-rcm.de		
	CMIP5 data citations							
	ACCESS1-0: historical, rcp85	Input dataset			Bi et al. (2016a, b)			
	ACCESS1-3: historical, rcp85	Input dataset			Bi et al. (2016d, e)			
	BCC-CSM1-1: historical, rcp85	Input dataset			Wu and Xin (2015a, e)			
	BCC-CSM1-1-m: historical, rcp85	Input dataset			Wu and Xin (2015f, j)			
	BNU-ESM: historical, rcp85	Input dataset			Ji et al. (2015a, b)			
	CCSM4: historical, rcp85	Input dataset			Meehl (2014a, e)			
	CESM1-BGC: historical, rcp85	Input dataset			Lindsay (2013a, b)			
	CESM1-CAM5: historical, rcp85	Input dataset			Neale (2013a, e)			
	CESM1-WACCM: historical, rcp85	Input dataset			Marsh (2013a, b)			
	CMCC-CESM: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013a, b)			
	CMCC-CM: historical, rcp85	Input dataset			Scoccimarro and Gualdi (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	CMCC-CMS: historical, rcp85	Input dataset			Centro euro-Mediterraneo sui Cambiamenti Climatici (CMCC) (2013c, d)			
	CNRM-CM5: historical, rcp85	Input dataset			Sénési et al. (2014a, b)			
	CSIRO-Mk3-6-0: historical, rcp85	Input dataset			Jeffrey et al. (2016a, g)			
	CanESM2: historical, rcp85	Input dataset			Canadian Centre for Climate Modelling and Analysis (CCCma) (2015b, c)			
	FGOALS-s2: historical, rcp85	Input dataset						
	FGOALS_g2: historical, rcp85	Input dataset						
	FIO-ESM: historical, rcp85	Input dataset			Qiao et al. (2013a, e)			
	GFDL-CM3: historical, rcp85	Input dataset			Horowitz et al. (2014a, e)			
	GFDL-ESM2G: historical, rcp85	Input dataset			Dunne et al. (2014a, e)			
	GFDL-ESM2M: historical, rcp85	Input dataset			Dunne et al. (2014f, j)			
	GISS-E2-H: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, k)			
	GISS-E2-H-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014e)			
	GISS-E2-R: historical, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, i)			
	GISS-E2-R-CC: rcp85, historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2014j)			
	HadGEM2-AO: historical, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, e)			
	HadGEM2-CC: historical, rcp85	Input dataset			Hardiman et al. (2014a, b)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21c *(continued)*	HadGEM2-ES: historical, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014d)			
	INMCM4: historical, rcp85	Input dataset			Volodin and Diansky (2013a, b)			
	IPSL-CM5A-LR: historical, rcp85	Input dataset			Denvil et al. (2016a, e)			
	IPSL-CM5A-MR: historical, rcp85	Input dataset			Foujols et al. (2016a, d)			
	IPSL-CM5B-LR: historical, rcp85	Input dataset			Fairhead et al. (2016a, b)			
	MIROC-ESM: historical, rcp85	Input dataset			JAMSTEC et al. (2015a, e)			
	MIROC-ESM-CHEM: historical, rcp85	Input dataset			JAMSTEC et al. (2015f, j)			
	MIROC5: historical, rcp85	Input dataset			AORI et al. (2015b, f)			
	MPI-ESM-LR: historical, rcp85	Input dataset			Giorgetta et al. (2012a, b)			
	MPI-ESM-MR: historical, rcp85	Input dataset			Giorgetta et al. (2012c, d)			
	MRI-CGCM3: historical, rcp85	Input dataset			Yukimoto et al. (2015a, e)			
	MRI-ESM1: rcp85, historical	Input dataset			Adachi et al. (2015)			
	NorESM1-M: historical, rcp85	Input dataset			Bentsen et al. (2012a, e)			
	NorESM1-ME: historical, rcp85	Input dataset			Tjiputra et al. (2012a, e)			
Figure 10.21d	**CMIP6 data citations**							
	ACCESS-CM2: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Dix et al. (2019a, c, d, e, f)			
	ACCESS-ESM1-5: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Ziehn et al. (2019a, c, d, e, f)			
	AWI-CM-1-1-MR: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Semmler et al. (2018a, b, c, 2019a, b)			
	BCC-CSM2-MR: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Wu et al. (2018a); Xin et al. (2019a, b, c, d)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21d *(continued)*	CAMS-CSM1-0: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Rong (2019a, c, d, e, f)			
	CESM2: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Danabasoglu (2019a, c, d, e, f)			
	CESM2-WACCM: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Danabasoglu (2019h, j, k, l, m)			
	CMCC-CM2-SR5: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Lovato and Peano (2020a, c, d, e, f)			
	CNRM-CM6-1: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Voldoire (2018a, 2019c, d, e, f)			
	CNRM-CM6-1-HR: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Voldoire (2019g, k, l, 2020a, b)			
	CNRM-ESM2-1: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Seferian (2018a); Voldoire (2019m, n, o, p)			
	CanESM5: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Swart et al. (2019a, e, f, g, h)			
	CanESM5-CanOE: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Swart et al. (2019i, k, l, m, n)			
	EC-Earth3: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019a, c, d, e, f)			
	EC-Earth3-Veg: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			EC-Earth Consortium (EC-Earth) (2019i, k, l, m, n)			
	FGOALS-f3-L: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Yu (2019a, c, d, e, f)			
	FGOALS-g3: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Li (2019b, d, e, f, g)			
	GFDL-ESM4: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			John et al. (2018a, b, c, d); Krasting et al. (2018a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21d *(continued)*	GISS-E2-1-G: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, 2020a, b, c, d)			
	INM-CM4-8: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Volodin et al. (2019a, c, d, e, f)			
	INM-CM5-0: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Volodin et al. (2019g, i, j, k, l)			
	IPSL-CM6A-LR: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Boucher et al. (2018a, 2019a, b, c, d)			
	KACE-1-0-G: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Byun et al. (2019a, b, c, d, e)			
	MCM-UA-1-0: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Stouffer (2019a, c, d, e, f)			
	MIROC-ES2L: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Hajima et al. (2019a); Tachiiri et al. (2019a, b, c, d)			
	MIROC6: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Tatebe and Watanabe (2018a); Shiogama et al. (2019a, b, c, d)			
	MPI-ESM1-2-LR: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Wieners et al. (2019a, b, c, d, e)			
	MRI-ESM2-0: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Yukimoto et al. (2019a, e, f, g, h)			
	NorESM2-LM: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Seland et al. (2019a, e, f, g, h)			
	NorESM2-MM: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Bentsen et al. (2019a, c, d, e, f)			
	UKESM1-0-LL: historical, ssp126, ssp245, ssp370, ssp585	Input dataset			Good et al. (2019a, b, c, d); Tang et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21d *(continued)*	**CMIP5 data citations**							
	BCC-CSM1-1: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Wu and Xin (2015a, b, c, d, e)			
	BCC-CSM1-1-m: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Wu and Xin (2015f, g, h, i, j)			
	CCSM4: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Meehl (2014a, b, c, d, e)			
	CESM1-CAM5: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Neale (2013a, b, c, d, e)			
	CSIRO-Mk3-6-0: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Jeffrey et al. (2016a, c, d, e, g)			
	FIO-ESM: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Qiao et al. (2013a, b, c, d, e)			
	GFDL-CM3: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Horowitz et al. (2014a, b, c, d, e)			
	GFDL-ESM2G: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Dunne et al. (2014a, b, c, d, e)			
	GFDL-ESM2M: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Dunne et al. (2014f, g, h, i, j)			
	GISS-E2-H: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014a, b, c, d, k)			
	GISS-E2-R: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2014f, g, h, i, l)			
	HadGEM2-AO: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			National Institute of Meteorological Research/ Korea Met. Administration (NIMR-KMA) (2013a, b, c, d, e)			
	HadGEM2-ES: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Jones et al. (2014); Sanderson et al. (2014a, b, c, d)			
	IPSL-CM5A-LR: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Denvil et al. (2016a, b, c, d, e)			
	IPSL-CM5A-MR: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Denvil et al. (2016f); Foujols et al. (2016a, b, c, d)			
	MIROC-ESM: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			JAMSTEC et al. (2015a, b, c, d, e)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Figure 10.21d *(continued)*	MIROC-ESM-CHEM: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			JAMSTEC et al. (2015f, g, h, i, j)			
	MIROC5: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			AORI et al. (2015b, c, d, e, f)			
	MRI-CGCM3: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Yukimoto et al. (2015a, b, c, d, e)			
	NorESM1-M: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Bentsen et al. (2012a, b, c, d, e)			
	NorESM1-ME: historical, rcp26, rcp45, rcp60, rcp85	Input dataset			Tjiputra et al. (2012a, b, c, d, e)			
Box 10.3, Figure 1	Box 10.3, Figure 1 code	Code	recipe_UrbanBox.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Box 10.3, Figure 1 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory and CH10_additional_data/Urban_Box_data directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	Box 10.3, Figure 1 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Box 10.3, Figure 1a, c	Urban warming data	Input dataset	cities.csv			https://github.com/ESMValGroup/ESMValTool-AR6/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/Urban_Box_data/cities.csv	Hamdi et al. (2020)	
Box 10.3, Figure 1a	Urban warming data	Input dataset	countries.csv			https://github.com/ESMValGroup/ESMValTool-AR6/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/Urban_Box_data/countries.csv	Hamdi et al. (2020)	

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Box 10.3, Figure 1b	Tokyo and Choshi (Japan) temperature evolution	Input dataset	Tokyo_Choshi_annual.csv			https://github.com/ESMValGroup/ESMValTool-AR6/blob/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10/CH10_additional_data/Urban_Box_data/Tokyo_Choshi_annual.csv		Tokyo and Choshi station, Japan Meteorological Agency (JMA)
Box 10.3, Figure 1a, c	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.tmp.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/tmp/cru_ts4.04.1901.2019.tmp.dat.nc.gz	Harris et al. (2020)	
Box 10.3, Figure 1c	Berkeley Earth	Input dataset	Land_and_Ocean_LatLong1.nc			http://berkeleyearth.lbl.gov/auto/Global/Gridded/Land_and_Ocean_LatLong1.nc	Rohde et al. (2013)	land_source_history = «13-Jan-2020 17:22:52», ocean_source_history = «07-Jan-2020 10:46:06»
	HadCRUT5	Input dataset	HadCRUT.5.0.0.0.anomalies.ensemble_mean.nc and absolute_v5.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/temperature/HadCRUT.5.0.0.0.anomalies.ensemble_mean.nc	Morice et al. (2021)	Absolute values build by adding the anomaly. https://crudata.uea.ac.uk/cru/data/temperature/absolute_v5.nc
	Cowtan Way	Input dataset	had4sst4_krig_v2_0_0.nc			https://www-users.york.ac.uk/~kdc3/papers/coverage2013/had4sst4_krig_v2_0_0.nc	Cowtan and Way (2014)	
	GISTEMP version 4	Input dataset	gistemp250_GHCNv4.nc			https://data.giss.nasa.gov/pub/gistemp/gistemp250_GHCNv4.nc.gz	Lenssen et al. (2019)	
Cross-Chapter Box 10.4, Figure 1	CCB 10.4 Figure 1 code	Code	recipe_HKH.yml			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/recipes/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch
	CCB 10.4 Figure 1 code	Code	diagnostic_IPCC_AR6_CH10.py, ar6_wgi_ch10.mplstyle, colormaps/ directory, CH10_additional_data/ Atlas_regions directory and CH10_additional_data/HKH_shape directory			https://github.com/ESMValGroup/ESMValTool-AR6/tree/ar6_chapter_10/esmvaltool/diag_scripts/ar6_wgi_ch10		Requires working_cordex_2.2 ESMValCore branch

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4, Figure 1 *(continued)*	CCB 10.4 Figure 1 code	Code				https://github.com/ESMValGroup/ESMValCore/tree/working_cordex_2.2		
Cross-Chapter Box 10.4, Figure 1a, b, c	Berkeley Earth	Input dataset	Land_and_Ocean_LatLong1.nc			http://berkeleyearth.lbl.gov/auto/Global/Gridded/Land_and_Ocean_LatLong1.nc	Rohde et al. (2013)	land_source_history = «13-Jan-2020 17:22:52», ocean_source_history = «07-Jan-2020 10:46:06»
	CRU TS v4.04	Input dataset	cru_ts4.04.1901.2019.tmp.dat.nc	Open Government Licence www.nationalarchives.gov.uk/doc/open-government-licence/version/3/		https://crudata.uea.ac.uk/cru/data/hrg/cru_ts_4.04/cruts.2004151855.v4.04/tmp/cru_ts4.04.1901.2019.tmp.dat.nc.gz	Harris et al. (2020)	
	APHRO-MA V1808 0.5°	Input dataset	APHRO_MA_TAVE_050deg_V1808.nc			http://aphrodite.st.hirosaki-u.ac.jp/download/	Yasutomi et al. (2011)	
	JRA-55	Input dataset	tas_Amon_reanalysis_JRA-55_195801-201912.nc	CC BY-SA 4.0		https://esgf.nccs.nasa.gov/thredds/fileServer/CREATE-IP/reanalysis/JMA/JRA-55/JRA-55/mon/atmos/tas/tas_Amon_reanalysis_JRA-55_195801-201912.nc	Kobayashi et al. (2015)	tracking_id = «9e276e16-79d7-46e5-a3da-39ecf1c2a871»
Cross-Chapter Box 10.4, Figure 1b	**CMIP6 data citations**							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical	Input dataset			Wu et al. (2018a)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical	Input dataset			Danabasoglu (2019a)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical	Input dataset			Voldoire (2018a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4, Figure 1b *(continued)*	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical	Input dataset			Swart et al. (2019a)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical	Input dataset			Li (2019b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical	Input dataset			Krasting et al. (2018a)			
	GISS-E2-1-G: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2018a)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-LL: historical	Input dataset			Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical	Input dataset			Boucher et al. (2018a)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical	Input dataset			Tatebe and Watanabe (2018a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4, Figure 1b *(continued)*	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical	Input dataset			Yukimoto et al. (2019a)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical	Input dataset			Seland et al. (2019a)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
Cross-Chapter Box 10.4 Figure 1c	**CMIP6 data citations**							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer	Input dataset			Wu et al. (2018a, 2019a, b)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			
	CESM2: historical, hist-GHG, hist-aer	Input dataset			Danabasoglu (2019a, b, 2020)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical, hist-GHG, hist-aer	Input dataset			Voldoire (2018a, 2019a, b)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4 Figure 1c *(continued)*	CNRM-ESM2-1: historical	Input dataset			Seferian (2018a)			
	CanESM5: historical, hist-GHG, hist-aer	Input dataset			Swart et al. (2019a, c, d)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical, hist-GHG, hist-aer	Input dataset			Li (2019b, 2020a, b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical, hist-GHG, hist-aer	Input dataset			Horowitz et al. (2018a, b); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			
	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer	Input dataset			Jones (2019a, b); Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer	Input dataset			Boucher et al. (2018a, c, d)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4 Figure 1c *(continued)*	MIROC6: historical, hist-GHG, hist-aer	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer	Input dataset			Yukimoto et al. (2019a, c, d)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical, hist-GHG, hist-aer	Input dataset			Seland et al. (2019a, c, d)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
Cross-Chapter Box 10.4, Figure 1d	CSIRO-Mk3-6-0	Input dataset	tas_Amon_CSIRO-Mk3-6-0_historical_rcp85_r[1..30]i1p1_185001-210012.nc			www.earthsystemgrid.org/dataset/ucar.cgd.ccsm4.CLIVAR_LE.csiro_mk36_lens_new.atm.proc.monthly_ave.tas.html	Jeffrey et al. (2013)	
	d4PDF	Input dataset	tas_1951-2014_run[001..100].grd	www.miroc-gcm.jp/~pub/d4PDF/img/d4PDF_Data_Policy_En_20180820.pdf		https://climate.mri-jma.go.jp/pub/d4pdf/HPB_1951-2014/tas/tas_1951-2014_run[001..100].grd *The link is representative of 100 datasets links by iterating over the []-enclosed numbers*	Mizuta et al. (2017)	
Cross-Chapter Box 10.4, Figure 1d	**CMIP6 data citations**							
	ACCESS-CM2: historical	Input dataset			Dix et al. (2019a)			
	ACCESS-ESM1-5: historical	Input dataset			Ziehn et al. (2019a)			
	AWI-CM-1-1-MR: historical	Input dataset			Semmler et al. (2018c)			
	AWI-ESM-1-1-LR: historical	Input dataset			Danek et al. (2020)			
	BCC-CSM2-MR: historical, hist-GHG, hist-aer	Input dataset			Wu et al. (2018a, 2019a, b)			
	BCC-ESM1: historical	Input dataset			Zhang et al. (2018)			
	CAMS-CSM1-0: historical	Input dataset			Rong (2019a)			
	CAS-ESM2-0: historical	Input dataset			Chai (2020)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4, Figure 1d *(continued)*	CESM2: historical, hist-GHG, hist-aer	Input dataset			Danabasoglu (2019a, b, 2020)			
	CESM2-FV2: historical	Input dataset			Danabasoglu (2019g)			
	CESM2-WACCM: historical	Input dataset			Danabasoglu (2019h)			
	CESM2-WACCM-FV2: historical	Input dataset			Danabasoglu (2019n)			
	CIESM: historical	Input dataset			Huang (2019a)			
	CMCC-CM2-SR5: historical	Input dataset			Lovato and Peano (2020a)			
	CNRM-CM6-1: historical, hist-GHG, hist-aer	Input dataset			Voldoire (2018a, 2019a, b)			
	CNRM-CM6-1-HR: historical	Input dataset			Voldoire (2019g)			
	CNRM-ESM2-1: historical	Input dataset			(Seferian, 2018a)			
	CanESM5: historical, hist-GHG, hist-aer	Input dataset			Swart et al. (2019a, c, d)			
	CanESM5-CanOE: historical	Input dataset			Swart et al. (2019i)			
	EC-Earth3: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019a)			
	EC-Earth3-Veg: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2019i)			
	EC-Earth3-Veg-LR: historical	Input dataset			EC-Earth Consortium (EC-Earth) (2020a)			
	FGOALS-f3-L: historical	Input dataset			Yu (2019a)			
	FGOALS-g3: historical, hist-GHG, hist-aer	Input dataset			Li (2019b, 2020a, b)			
	FIO-ESM-2-0: historical	Input dataset			Song et al. (2019a)			
	GFDL-ESM4: historical, hist-GHG, hist-aer	Input dataset			Horowitz et al. (2018a, b); Krasting et al. (2018a)			
	GISS-E2-1-G: historical, hist-GHG, hist-aer	Input dataset			NASA Goddard Institute for Space Studies (NASA/GISS) (2018a, c, d)			
	GISS-E2-1-G-CC: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019b)			
	GISS-E2-1-H: historical	Input dataset			NASA Goddard Institute for Space Studies (NASA/ GISS) (2019a)			

Figure Number	Dataset/Code Name	Type	File Name/ Specificities	License Type	Dataset/Code Citation	Dataset/Code URL	Related Publications/ Software Used	Notes
Cross-Chapter Box 10.4, Figure 1d *(continued)*	HadGEM3-GC31-LL: historical, hist-GHG, hist-aer	Input dataset			Jones (2019a, b); Ridley et al. (2019a)			
	HadGEM3-GC31-MM: historical	Input dataset			Ridley et al. (2019b)			
	INM-CM4-8: historical	Input dataset			Volodin et al. (2019a)			
	INM-CM5-0: historical	Input dataset			Volodin et al. (2019g)			
	IPSL-CM6A-LR: historical, hist-GHG, hist-aer	Input dataset			Boucher et al. (2018a, c, d)			
	KACE-1-0-G: historical	Input dataset			Byun et al. (2019e)			
	MCM-UA-1-0: historical	Input dataset			Stouffer (2019a)			
	MIROC-ES2L: historical	Input dataset			Hajima et al. (2019a)			
	MIROC6: historical, hist-GHG, hist-aer	Input dataset			Tatebe and Watanabe (2018a); Shiogama (2019a, b)			
	MPI-ESM-1-2-HAM: historical	Input dataset			Neubauer et al. (2019)			
	MPI-ESM1-2-HR: historical	Input dataset			Jungclaus et al. (2019a)			
	MPI-ESM1-2-LR: historical	Input dataset			Wieners et al. (2019e)			
	MRI-ESM2-0: historical, hist-GHG, hist-aer	Input dataset			Yukimoto et al. (2019a, c, d)			
	NESM3: historical	Input dataset			Cao and Wang (2019a)			
	NorCPM1: historical	Input dataset			Bethke et al. (2019)			
	NorESM2-LM: historical, hist-GHG, hist-aer	Input dataset			Seland et al. (2019a, c, d)			
	NorESM2-MM: historical	Input dataset			Bentsen et al. (2019a)			
	SAM0-UNICON: historical	Input dataset			Park and Shin (2019)			
	TaiESM1: historical	Input dataset			Lee and Liang (2020a)			
	UKESM1-0-LL: historical	Input dataset			Tang et al. (2019a); Byun (2020)			
	MPI-GE data							
	MPI-ESM: historical, rcp85	Input dataset			Maher et al. (2019)	https://esgf-data.dkrz.de/projects/mpi-ge https://mpimet.mpg.de/en/grand-ensemble		
FAQ 10.1, Figure 2	Paper	Input dataset					Hamdi et al. (2020)	

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