

FIFTIETH SESSION OF THE IPCC
Geneva, Switzerland, 2 – 6 August 2019

IPCC-L/Doc. 4
(7.VIII.2019)
Agenda Item: 3
ENGLISH ONLY

ACCEPTANCE OF THE ACTIONS TAKEN AT THE SECOND JOINT SESSION OF WORKING GROUPS I, II AND III IN COOPERATION WITH THE TASK FORCE ON NATIONAL GREENHOUSE GAS INVENTORIES

IPCC Special Report on Climate Change and Land

An IPCC Special Report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems.

Changes to the Underlying Scientific-Technical Assessment to ensure consistency with the approved Summary for Policymakers

(Submitted by the Co-Chairs of Working Groups, I, II and III, in cooperation with the Task Force on National Greenhouse Gas Inventories)

Second Session of Working Group I, II and III

SRCL Final Draft

Tricklebacks 07 August 2019					
	SPM Page:Line	Chapter	Chapter Page:Line		
1	4:12	1	1:16	simplify: "terrestrial" to "land" potential NPP; --> also need to adopt NPP definition in glossary ----> not sure who is responsible for trickle backs to glossary, but wanted to add this here so it it's not forgotten	
2	4:27	1	2:28	food waste and lost: need to check if we need to adjust conf languag	
3	A2.1 [8:7]	1	1:25	update land temperature increase and underlying time period, (abbreviation GMST)	
4	A2.1 [8:7]	1	8:25	update land temperature increase and underlying time period, (abbreviation GMST)	
5	A1.1 Footnote2	1	1:6	drop range (75-85) to a single value of 75 trillion USD, revise sentence to reflect new SPM statement: "The world's terrestrial ecosystem services have been valued on an annual basis to be approximately equivalent to the total economic to the annual global Gross Domestic Product..." Adjust confidence statement.	
6	A1.1 Footnote2	1	3:32	drop range (75-85) to a single value of 75 trillion USD, revise statement to reflect new SPM statement: "The world's terrestrial ecosystem services have been valued on an annual basis to be approximately equivalent to the total economic to the annual global Gross Domestic Product..."	
7	Fig SPM.1	1	5	Replace with new SPM Figure, adjust Figure caption, and literature/data sources	
8		1	10:8	Has been already reported as erratum in an email to TSU/Juliette early June: replace (26.3-43-4 mio km2) by (32.0-42.5 mio km2)	
9	Fig SPM.1	1	13	Table 1:1 -- change area of Managed for timber... from 21 to 22% (was a rounding issue that doesn't add up).	
10	Fig SPM.1	1	13:17	In 1.2.2.3 add fibre and timber numbers (if still in Figure)	
11	Fig SPM.1	1	12:16	change to inland wetland area	
12	Fig SPM.1	1	panel B	change emissions to 23% (from 22%) -- that's already being done, in response to the changed emission estimates in Table SPM.1	
13	A1.5	1	15:16	Change to word similar to the revised SPM: In 2015, about 500 (360-620) million people lived within areas which experienced desertification between 1980s and 2000s	
14	SPM.4	1	21:42	Change to ...not easily commensurate...	
15	B5 HeadlineS. Footnote X	1	31:4	cross-check definition of "sustainable land management" with glossary, (following changes in B5 footnote X)	
16	A2.2	3	3:11; 11:4	"Middle East" to be replaced by " West Asia " for drought [take note as it is somehow contradict with A1.5 approved bullet]	04-Aug-19
17	B4.1	3	5:16; 50:17	combating desertification are " site and regionally specific "	05-Aug-19
18	B4.1	3	4:38-39; 9:17; 61:29	drought-resilient native plants (drought- tolerant crops - initial version in the underlying report) ----> drought-resilient ecological appropriate plants	05-Aug-19

Tricklebacks 07 August 2019					
	SPM Page:Line	Chapter	Chapter Page:Line		
19	B4.1	3	32:24	drought-resilient native plants (drought- adapted crops - initial version in the underlying report) ----> drought-resilient ecological appropriate plants	05-Aug-19
20	B4.2	3	69:3; 71:33; 71:43; 77:6-7	"native tree species" ----> "native and other climate resilient tree species"	05-Aug-19
21	B4.4	3	5:23-24; 12:39; 33:25; 44:1; 58:3	poverty reduction ----> poverty eradication (or eradicating poverty)	05-Aug-19
22	B4.4	3	5:25; 53:15	LDN ----> LDN (including avoiding, reducing and reversing land degradation)	05-Aug-19
23	A1.5	3	3:10-11	The highest numbers of people affected are in South and East Asia, North Africa and Middle East (low confidence) ----> The highest numbers of people affected are in South and East Asia, the circum Sahara region including North Africa, and the Middle East including the Arabian peninsula (low confidence). Other dryland regions have also experienced desertification. [take note as it is somehow contradict with A2.2 approved bullet]	06-Aug-19
24	B4.5	3	3.1; 3.7.4 & 3.9 (sections)	To add confidence level and missing words: "Even when solutions are available, social, economic and institutional constraints could pose barriers to their implementation (medium confidence).	06-Aug-19
25	B4.6	3	X	Developing, enabling and promoting access to cleaner energy sources and technologies can contribute to adaptation and mitigating climate change and combating desertification and forest degradation through decreasing the use of traditional biomass for energy while increasing the diversity of energy supply (medium confidence). [Throughout the entire Ch3 report, we use renewable energy]	06-Aug-19
26	B4.6	3	X	This can have socioeconomic and health benefits, especially for women and children . (<i>high confidence</i>).	06-Aug-19
27	B4	3	6:8; 10:13; 12	...climate change adaptation and mitigation... ----> ...climate change adaptation and with mitigation co-benefits	06-Aug-19
28	8:29-31	4	4:25	Add the following sentence between "confidence)" and "Global" In some areas sea level rise has exacerbated coastal erosion (medium confidence).	
29	4:28	4	5:27	change 1-6 Mkm2 to 10-60 MKm2 We spotted a decimal error. It is correct in the chapter text, but was incorrectly inserted into the ES.	
30	8:34 (A2.7)	5	5:16	Add "over recent decades" after "regions".	
31	8:34 (A2.7)	5	5:33	Add "in Africa" after "pastoral systems"	
32	4:23 (new A1.4)	5	7:9	Change "amount to a third of global food production" to "amount to 25-30% of total food produced". Change to "medium confidence"	
33	4:23 (new A1.4)	5	80:21	Change "amount to a third of global food production" to "amount to 25-30% of total food produced". Change to "medium confidence"	
34	eSPM.1, Footno	5	7:11	Update "total GHG emissions from food systems" to "total anthropogenic GHG emissions"	
35	eSPM.1, Footno	5	61:23	Update "total GHG emissions from agriculture and land use" to "total anthropogenic GHG emissions"	
36	eSPM.1, Footno	5	80:34	Update "emissions of the entire food system" to "emissions"	

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	SPM Page:Line	Chapter	Chapter Page:Line	
37	TableSPM.1	5	60:29	Update "6.2 ± 1.9" to "6.2 ± 1.4"
38	TableSPM.1	5	64:37	Update "15%" to "10%"
39	TableSPM.1	5	60:30	Update "4.1 ± 1.2" to "4.0 ± 1.2"
40	TableSPM.1	5	60:31	Update "8.3 ± 2.3 " to "8.0 ± 2.0"
41	TableSPM.1	5	60:31	Update "2.1 ± 0.6" to "2.2 ± 0.7"
42	TableSPM.1	5	60:34	Update "4.8 ± 2.4" to "4.9 ± 2.5"
43	TableSPM.1	5	60:38	Update "11.0 ± 3.1" to "11.1 ± 2.9"
44	TableSPM.1	5	1:25 (Table 5.	Update first row "6.2 ± 1.9" to "6.2 ± 1.4"
45	TableSPM.1	5	1:25 (Table 5.	Update second row "4.8 ± 2.4" to "4.9 ± 2.5"
46	TableSPM.1	5	1:25 (Table 5.	Update third row "3.8 ± 1.3" to "2.4 - 4.8"
47	TableSPM.1	5	1:25 (Table 5.	Update fourth row "14.8 ± 3.4" to "10.7 - 19.1"
48	TableSPM.1	5	61:20	Update "2.5" to "2.4"
49	TableSPM.1	5	1:25 (Table 5.	Update first row "10-12%" to "10-14%"
50	TableSPM.1	5	1:25 (Table 5.	Update second row "8-10%" to "5-14%"
51	TableSPM.1	5	1:25 (Table 5.	Update fourth row "25-30%" to "21-37%"
52	TableSPM.1	5	61:29	Update "51 Gt CO ₂ -eq yr ⁻¹ " to "52 Gt CO ₂ -eq yr ⁻¹ "
53	TableSPM.1	5	61:30	Delete "GWP values used are those , and by". Sentence would read: "... (See Chapter 2), using GWP..."
54	TableSPM.1	5	61:28	Update "a) FAOSTAT (2018) and US EPA (See also Chapter 2) and" to "a) FAOSTAT (2018) and US EPA (2012) (using square root of sum of squares of standard deviations for uncertainty ranges; see also Chapter 2) and"
55	TableSPM.1	5	61:28	Update "b) Garnett (2011) and Poore and Nemecek (2018)" to "b) estimates from Fishedick et al. (2014) and Poore and Nemecek (2018)"
56	TableSPM.1	5	6:16	Update "25-30%" to "21-37%"
57	TableSPM.1	5	6:18	Update "10-12%" to "10-14%"
58	TableSPM.1	5	6:19	Update "8-10%" to "5-14%"
59	TableSPM.1	5	6:24	Update "8.3 ± 2.3 " to "8.0 ± 2.0"
60	TableSPM.1	5	6:25	Update "4.8 ± 2.4" to "4.9 ± 2.5"
61	TableSPM.1	5	6:27	Update "11.0 ± 3.1" to "11.1 ± 2.9"
62	TableSPM.1	5	6:27	Update "6.2 ± 1.9" to "6.2 ± 1.4"
63	21:42 (B6)	5	6:34	Update "Total mitigation potential of crop and livestock activities is estimated as 1.5–4.0 GtCO ₂ -eq yr ⁻¹ by 2030 at prices ranging from 20-100 USD/tCO ₂ eq (high confidence)" to "Total technical mitigation potential from crop and livestock activities and agroforestry is estimated as 2.3 - 9.6 GtCO ₂ -eq yr ⁻¹ by 2050 (medium confidence)"
64	21:44 (B6)	5	6:47	Update "Total mitigation potential of dietary changes is estimated as 1.8-3.4 GtCO ₂ eq yr ⁻¹ by 2050 at prices ranging from 20-100 USD/tCO ₂ (medium confidence)" to "Total technical mitigation potential of dietary changes is estimated as 0.7 - 8.0 GtCO ₂ eq yr ⁻¹ by 2050 (medium confidence)"
65	B1.1	7	100 (Table)	Policy/Programmes/Instriresponse options are in Table 7.5. Please add 7.6.6. in the list of reference.

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	SPM Page:Line	Chapter	Chapter Page:Line	
66	B1.2	7	100 (Table)	Policy/Programmes/Instriresponse options are in Table 7.5. Please add 7.6.6. in the list of reference.
67	BOX A6	7	101:1 (Box)	Cross-Chapter Box 9 exists in both Chpater 6 and 7. Suggest to speicify the location of Cross-Chapter Box 9 at the end of Box A6. Namely, Cross-Chapter Box 9 in Chapter 6 and 7.
68	B1.3	7	30 (Box)	Cross-Chapter Box 10 in Chapter 7 and Table 7.5 in Chapter 7 supporting policies and economic dimensions. So, please add Cross-Box 10 and 7.6.6. in the reference list.
69		7	100 (Table)	add sentence regarding other latitudes as in agreed SPM precipitation bullet and reference to new TS precipitation figure provided by author team to TSU which consists of a six panel figure (3 datasets by 2 periods)
70	4:Footnote (1)	Glossary	44	Update definitions of net primary production (NPP) in the glossary, as agreed in SPM, to: 'the amount of carbon accumulated through photosynthesis minus the amount lost by plant respiration over a specied time period that would prevail in the absence of land use.
71	Footnote	Glossary	55	Define vegetation greening: An increase in photosynthetically active plant biomass which is inferred from satellite observations.
72	Footnote	Glossary	14	Define CO2 fertilization: The enhancement of plant growth as a result of increased atmospheric carbon dioxide (CO2) concentration. The magnitude of CO2 fertilization depends on nutrients and water availability.
73	Footnote	Glossary	55	Define vegetation browning: A decrease in photosynthetically active plant biomass which is inferred from satellite observations.
74				