

List of Substantive Edits to the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate Final Draft					
Chapter	From page	From line	To Page	To line	Edit
Chapter 2	4	50	4	50	change 'medium' to 'high'
Chapter 2	47	25	47	25	add reference "Zimova et al 2018" after 'snowless ground'
Chapter 2	57	53	57	53	validate' replaced by 'evaluate'
Chapter 2	88	27	88	27	delete reference Wilson, 2018 ...
Chapter 2	90	32	90	32	Add reference: "Zimova, M. and Hackländer, K. and Good, J. M. and Melo-Ferreira, J. and Alves, P. C. and Mills, L. S., 2018. Function and underlying mechanisms of seasonal colour moulting in mammals and birds: what keeps them changing in a warming world?. Biol. Rev., 93(3): 1478–1498. doi:10.1111/brv.12405."
Chapter 2	17	40	17	40	replace 'where balances' by 'where mass budgets'
Chapter 2	18	2	18	2	replace 'Bliss et al., 2014' by 'Radic et al., 2014' and add reference to reference list: Radić, V., et al., 2014: Regional and global projections of 21st century glacier mass changes in response to climate scenarios from global climate models. Clim. Dyn., 42(1-2), 37-58, doi:10.1007/s00382-013-1719-7.
Chapter 2	39	43	39	43	replace 'phases' by 'periods'
Chapter 2	52	24	52	24	replace 'Alps' by 'European Alps'
Chapter 2 SM	0		0		Add new reference 'Lencioni, V., 2018: Glacial influence and stream macroinvertebrate biodiversity under climate change: Lessons from the Southern Alps. Sci. Total Environ., 622, 563-575, doi:10.1016/j.scitotenv.2017.11.266.'
Chapter 2 SM	39	5	39	6	Replace 'Evidence' (as changed to in corrigenda) to 'Attribution Confidence' and replace 'using the summary terms 'limited' (L), 'medium' (M) or 'robust' (R) (Figure 1.4)' by '(H for high, M for medium, L for low)', and replace 'Only studies where the strength of the evidence' by 'Only studies where the attribution confidence'
Chapter 2 SM	39		49		replace all instances of 'R' (as set in corrigenda) in column 'Attribution confidence' to 'H'
Chapter 2 SM	40		40		1st row in section 'Western Canada and USA' with reference Brodie and Post (2010): In column 1 append '/USA' after 'Canada'   In column 3: replace entire text by 'Population dynamics of wolverines and other mammals and birds'   In column 4: replace ', negatively correlated with by 'and'   In reference column (last) add '; Zimova et al. (2018)' after 'Brodie and Post (2010)'
Chapter 2 SM	40		40		Row 7 entry (Northern Rocky Mountains, Montana) with reference Zimova et al. (2018) remove entire entry
Chapter 2 SM	40		40		Row 8 'Montana' with reference Giersch et al. (2017) etc.: Column 3: add after invertebrates: 'strongly dependent on glacier water fed habitats'
Chapter 2 SM	43		43		Row 4 'Swiss Alps' with Reference Matteodo et al. (2016): Column 5: replace 'R' by 'M'
Chapter 2 SM	43		43		Row 5 'Italian Alps' (Reference is D'Amico): column 3: replace entire text by 'Soil and plant community development can be very slow under some soil/bedrock conditions (serpentinite)'
Chapter 2 SM	43		43		Row 6 French Pyrenees (reference Khamis et al. 2015): remove entire row
Chapter 2 SM	43		43		Row 7 French Pyrenees (reference Khamis et al. (2016)): replace in column 6 'pos/neg' by 'mixed'
Chapter 2 SM	43		43		Row 8 French Pyrenees (reference Lencioni et al. (2018)): replace in column 7 (references) 'Lencioni' by 'Finn' and replace '2018' by '2013'
Chapter 2 SM	43		43		Row 9 Swiss Alps (reference Finn et al. (2010): In column 3 replace 'taxa' by 'communities as hydrological regime and water temperatures change'   In column 4 replace entire text by 'Glacier retreat'   In column 6 replace 'neg' by 'mixed'
Chapter 2 SM	43		43		Row 10 'Italian Alps' Reference Finn et al., 2013: last column (reference): replace 'Finn et al. (2010)' by 'Lencioni (2018)'
Chapter 2 SM	43		43		Row 13 'Austrian Alps' Reference Finn et al., 2009: delete entire row

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Chapter 2 SM	43		43		Row 14 'Italian Alps' Reference Vigano et al., 2016: delete entire row
Chapter 2 SM	44		44		Under section Scandinavia/Nordic, 3rd row (Norway) with reference Pedersen et al. (2017): In column 3 replace entire cell by 'Increased mortality from predation of a small mammal species (mountain hare) due to camouflage mismatch'   In column 5 replace 'M' by 'H'
Chapter 2 SM	44		44		Under Scandinavia/Nordic, in row (Norway) with reference Matthews and Vater (2015): In column 3 replace 'community' by 'communities develop during primary succession'   In column 5 replace 'M' by 'H'
Chapter 2 SM	44		44		Under section North Asia in row Russia ...): In column 3 replace entire text by 'Soil properties, plant, fungi, and microbial communities develop during primary succession'
Chapter 2 SM	45		45		In new added row 'Chilean and Argentinean Andes' with reference Anaconda et al. (2015a): In column 6 replace 'pos' from trickle back SPM A7.5 (row 24) by 'neg'
Chapter 2 SM	45		45		In row 'Northern Andes (Ecuador) with reference Morueta-Holme et al. (2015): In column 5 replace 'R' by 'L/M'
Chapter 2 SM	45		45		row Ecuador with reference Cauvy-Fraunié et al. (2016): remove entire row
Chapter 2 SM	46		46		Replace in row 'Quinghai-Tibetan Plateau' with reference You et al. (2018): Replace in column 2 'Terrestrial ecosystems' by 'Carbon sequestration and nitrogen cycle'   replace in column 3 the entire cell by 'Change in Net Ecosystem Exchange causes loss of carbon and nitrogen accompanied by extremely slow vegetation recovery'   replace in column 4 'reduction' by 'thaw'   replace in column 6 'pos' by 'neg'   replace reference 'You et al. (2018)' by 'Mu et al. (2017)'
Chapter 2 SM	46		46		Row Himalayas (Ladakh) with reference Dolezal et al. (2016): In column 3 replace entire text by 'Decrease in dry-adapted plant cover'   In column 4 replace entire text by 'High snowfall and rapid freeze-thaw cycles'
Chapter 2 SM	46		46		Replace in row 'Tibetan Plateau' with ref Yang et al. (2018): Replace in column 2 'Terrestrial Ecosystems' by 'Alpine cold meadow'   replace entire cell in column 3 by 'Decline in alpine cold meadow vegetation'   add to column 4 'increases thickness of active layer' after 'thaw'   replace in column 5 'M' by 'H'   in last column replace reference 'Yang et al. (2018)' by 'Wang et al. (2011)'
Chapter 2 SM	47		47		Replace in row Bhutan with reference Wangchuk and Wangdi (2018): Replace in column 1 'Bhutan' by 'Western Himalaya'   replace in column 3 the entire cell by 'Herb species richness and abundance increases in treeline ecotone with earlier snowmelt'   replace in column 4 the entire cell by 'Earlier snow melt'   append in column 5 '/H' to the 'M'   replace in column 6 'mixed' by 'pos'   replace in the reference 'Wangchuk and Wangdi' by 'Adhikari et al.'
Chapter 2 SM	47		47		Insert a new row after row after reference Wang et al. (2016) with following content: Greater Himalayan range and the Tibetan plateau   Rangeland vegetation (tundra)   Changes in growing season (including shortening in dry areas), vegetation phenology, and lowered soil moisture   Shifted snow season   H   mixed   Paudel & Andersen (2013)
Chapter 2 SM	47		47		Insert a new row after row after reference Paudel et al. (2013) with following content: Himalayas   Remotely sensed Northern Hemisphere vegetation cover including tundra   Increased growing-season productivity and soil moisture ("greening")   Changes in snow cover   H   pos   Wang et al. (2018)
Chapter 2 SM	49		49		Under section Other regions 2nd row Japan (Taisetsu Mountains, Hokkaido) with reference Winkler et al. (2016): In column 4 replace 'water balance' by 'soil water dry-down rates'
Chapter 2 SM	72	34	72	35	Cauvy-Fraunié, S. et al. 2016: remove the reference
Chapter 2 SM	74	43	74	45	Reference Finn et al., 2009: delete the reference
Chapter 2 SM	83	48	83	49	Delete Shkolnik et al. (2006) from reference list

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Chapter	From page	From line	To Page	To line	Edit
Chapter 2 SM	85	25	85	26	Reference Vigano et al., 2016: remove the reference
Chapter 2 SM	85	49	85	50	Reference Wangchuk, K. and J. Wangdi, 2018: remove reference
Chapter 2 SM	86	1	86	2	Replace reference Winkler, D. E., K. J. Chapin and L. M. Kueppers, 2016 by 'Winkler, D. E., Amagai, Y., Huxman, T. E., Kaneko, M., & Kudo, G., 2016. Seasonal dry-down rates and high stress tolerance promote bamboo invasion above and below treeline. Plant Ecol., 217(10): 1219-1234, doi:10.1007/s11258-016-0649-y.'
Chapter 2 SM	86	19	86	20	Reference Yang, Y. et al., 2018: remove reference
Chapter 2 SM	86	23	86	24	Reference You, J. et al., 2018: remove the reference
Chapter 2 SM	0		0		Add reference to ref list: Mu, C.C. et al., 2017. Permafrost collapse shifts alpine tundra to a carbon source but reduces N2O and CH4 release on the northern Qinghai-Tibetan Plateau. Geophys. Res. Lett., 44(17): 8945-8952. doi:10.1002/2017GL074338
Chapter 2 SM	0		0		Add reference to ref list: Wang, G. and Bai, W. and Li, N. and Hu, H., 2011. Climate changes and its impact on tundra ecosystem in Qinghai-Tibet Plateau, China. Clim. Change, 106(3): 463-482. doi:10.1007/s10584-010-9952-0
Chapter 2 SM	0		0		Add reference to ref list: Adhikari, B. S. and Kumar, R. and Singh, S. P., 2018. Early snowmelt impact on herb species composition, diversity and phenology in a western Himalayan treeline ecotone. Trop. Ecol., 59(2): 365-382.
Chapter 2 SM	0		0		Add reference to ref list: Paudel, K. P. and Andersen, P., 2013. Response of rangeland vegetation to snow cover dynamics in Nepal Trans Himalaya. Clim. Change, 117(1-2): 149-162. doi:10.1007/s10584-012-0562-x
Chapter 2 SM	0		0		Add reference to ref list: Wang, X. et al., 2018. Disentangling the mechanisms behind winter snow impact on vegetation activity in northern ecosystems. Glob. Change Biol., 24(4): 1651-1662. doi:10.1111/gcb.13930
Chapter 3	60	2	60	9	Caption Figure 3.10.: There is a missing legend that was formerly part of the panel, but now needs to be added to the caption. "permafrost temperature change normalized to a baseline period (Romanovsky et al., 2017), Region A: Continuous to discontinuous permafrost in Scandanavia, Svalbard, and Russia/Siberia, Region B: Cold continuous permafrost in northern Alaska, Northwest Territories, and NE Siberia , Region C: Cold continuous permafrost in Eastern and High Arctic Canada, Region D: Discontinuous permafrost in Interior Alaska and Northwest Canada"
Chapter 3	64	4	64	6	Section 3.4.2.2: There is currently a corrigendum on this point, but the corrigendum no longer matches the approved version of the SPM due to revision that was approved during plenary. The new insertion should read: "This was caused by wide range of model sensitivity in permafrost area to air temperature change, resulting in a large range of projected near-surface permafrost loss by 2100: 2-66% for RCP2.6 (24±16%; likely range) , 15–87% under RCP4.5 and 30–99% (69±20%; likely range) under RCP8.5.
Chapter 3	65	17	65	19	Section 3.4.3.1.1. "There is increasing, but divergent evidence, that changing climate in the modern period has shifted these ecosystems into net carbon sources (low confidence)." This sentence in Chapter 3 had been updated in the KM for Chapter 3 and the approved SPM. This sentence in the main text should now read: "There is medium evidence with low agreement whether changing climate in the modern period has shifted these ecosystems into net carbon sources."
Chapter 3	65	40	60	42	1. At the end of the sentence starting "Expert assessment and laboratory soil incubations..." add the following footnote: "For context, total annual anthropogenic CO2 emissions were 10.8 ± 0.8 GtC yr–1 (39.6 ± 2.9 GtCO2 yr–1) on average over the period 2008–2017. Total annual anthropogenic methane emissions were 0.35 ± 0.01 GtCH4 yr–1, on average over the period 2003–2012 (Sanois et al., 2016; Le Quere et al., 2018)." 2. Add to Ch 3 bibliography: Le Quere et al. Earth Syst. Sci. Data, 10, 2141–2194, 2018 <a href="https://doi.org/10.5194/essd-10-2141-2018">https://doi.org/10.5194/essd-10-2141-2018</a> .

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Chapter	From page	From line	To Page	To line	Edit
Chapter 3	68	39	68	39	Section 3.4.3.2.1: Third paragraph should have a confidence statement to match approved SPM. In tundra regions, graminoid (grasses and sedges) tundra is projected to be replaced by more-flammable shrub tundra in future climate scenarios, and tree migration into tundra could further increase fuel loading (Pastick et al., 2017). Add (medium confidence) AFTER the last period so that it applies to whole section.
Chapter 3	68	57	68	57	Section 3.4.3.2.1: Fourth paragraph should have a confidence statement to match KM and approved SPM. This projected trend of increasing deciduous forest at the expense of evergreen forest is mirrored in Russian and Chinese boreal forests as well (Shakhova et al., 2013; Shuman et al., 2015; Wu et al., 2017). Add (medium confidence) AFTER the last period so that it applies to whole projections section.
Chapter 3					Figure 3.7. Line for Antarctic mass change in left panel has been replotted with correct numbers.
Chapter 4	3	46	3	46	(2.3-5.4) rise in sea level for RCP8.5 (low confidence)
Chapter 4	3	footnote	3	footnote	footnote
Chapter 4	4	51	5	7	Clarification to paragraph
Chapter 4	5	46	5	46	Change "experience high risk" to "experience moderate-to-high risk"
Chapter 4	5	46	5	46	Change "pathways, high to very high risks..." to "pathways, almost high to very high risks..."
Chapter 4	6	9	6	9	Add: arise well before the end of the century
Chapter 4	10	37	10	37	Change "megacities" to "resource-rich large cities"
Chapter 4	19	37	19	37	Add: "Over this period" to sentence.
Chapter 4	20	5	20	5	Added text
Chapter 4	24	15	24	15	Added 'resulting in the negative value after 2006 in Table 1'
Chapter 4	26	31	26	31	Added text
Chapter 4	62	18	62	18	Change "megacities" to "resource-rich large cities"
Chapter 4	67	16	67	16	Replace high evidence with high confidence
Chapter 4	70	9	70	9	Delete: high confidence, high agreement)
Chapter 4	76	15	76	15	Add 'how local communities experience coastal erosion impacts'
Chapter 4	78	5	78	5	Replace confidence statement: SLR over the past decades (robust evidence, high confidence agreement).
Chapter 4	78	18	78	19	dimensions (i.e.g., how local communities experience coastal erosion impactsindividuals' relationships; Karlsson et al., 2015). [Note: The previous reference to 'individual's relationships' is misleading / incorrect. The article focuses on local community experiences of regional coastal erosion impacts.]
Chapter 4	80	20	80	22	Correct alteration to quotation: 'a number of coral reefs could [...] keep up with the maximum rate of SLR of 15.1 mm yr <sup>-1</sup> projected for the end of the century ([...] medium confidence;) [(but a future net accretion rate lower)] than during [Note: Corrected with square brackets consistent with quote in Wong et al., 2014, p379.]
Chapter 4	81	18	81	18	Change "megacities" to "resource-rich large cities"
Chapter 4	81	30	81	30	Change "megacities" to "resource-rich large cities"
Chapter 4	81	30	81	30	Change "megacities" to "resource-rich large cities"
Chapter 4	81	55	81	55	Change "archetypal" to "illustrative"

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Chapter	From page	From line	To Page	To line	Edit
Chapter 4	82	12	82	12	Change "coastal retreat and inland" to "planned and local-scale"
Chapter 4	82	12	82	12	Change "coastal retreat and inland relocation" to "planned and local-scale relocation"
Chapter 4	82	13	82	13	Change "archetypal" to "illustrative"
Chapter 4	82	14	82	14	Change "No-to-moderate adaptation" to "No-to-moderate response"
Chapter 4	82	17	82	17	Change "coastal retreat" to "relocation"
Chapter 4	82	18	82	19	Change "High adaptation" to "Maximum potential response"
Chapter 4	82	21	82	21	Change "megacities" to "cities"
Chapter 4	82	32	82	32	Add "expected to experience ALMOST high to very high risk..."
Chapter 4	82	36	82	36	Change "archetypal" to "illustrative"
Chapter 4	82	41	82	41	TWICE IN THE SAME LINE - Change "megacities" to "resource-rich coastal cities"
Chapter 4	82	41	82	41	TWICE IN THE SAME LINE: change "megacities" to "resource-rich large cities"
Chapter 4	82	45	82	45	Change "megacities" to "resource-rich coastal cities"
Chapter 4	83	2	83	2	Change "megacities" to "resource-rich coastal cities"
Chapter 4	83	6	83	6	Change "megacities" to "resource-rich large cities"
Chapter 4	83	8	83	8	Change "megacities" to "resource-rich coastal cities"
Chapter 4	85	6	85	6	Change "megacities" to "resource-rich coastal cities"
Chapter 4	85	13	85	13	Change "coastal retreat" to "relocation"
Chapter 4	85	14	85	14	Change "megacities" to "resource-rich coastal cities"
Chapter 4	85	14	85	14	Change "retreat" to "relocation"
Chapter 4	85	14	85	14	Change "megacities" to "resource-rich large cities"
Chapter 4	85	15	85	15	Change "85" to "84"
Chapter 4	85	16	85	16	Change "85" to "84"
Chapter 4	85	16	85	17	Change "from high to moderate-to-high (atolls, Arctic)" to "from high-to-very-high to moderate-to-high (atolls, Arctic)"
Chapter 4	85	18	85	19	Change "return to high (Arctic) and high-to-very-high (atolls) levels" to "return to high-to-very-high (atolls, Arctic) levels"
Chapter 4	85	20	85	20	Change "coastal retreat" to "relocation"
Chapter 4	85	20	85	20	Change "retreat" to "relocation"
Chapter 4	85	21	85	21	Delete often: as they concentrate populations
Chapter 4	85	22	85	22	Delete 'On the other hand, t': ... main harbours). They illustrate ...
Chapter 4	85	22	85	22	Change "retreat" to "relocation"
Chapter 4	85	22	85	22	Change "retreat" to "relocation"
Chapter 4	85	28	85	28	Change "retreat" to "relocation"
Chapter 4	90	55	90	55	Deleted 'affluence'
Chapter 4	93	4	93	4	Replace 'consequence' with 'consequences': ... severe consequences in
Chapter 4	106	26	106	26	Delete the: communities in developed and developing countries
Chapter 4	109	26	109	26	Replace 'probable' with 'achievable': objectives are more achievable if [Note I didn't make change in text]
Chapter 4	114	21	114	21	Replace 'best' with 'most': which methods are most

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Chapter 4	116	5	116	5	Delete repeat sentence: Fifth, a sharp increase may be needed ...
Chapter 4	116	9	116	9	Replace 'case' with 'context': effective in another context [Note I didn't make change in word doc]
Chapter 4	116	Table 4.9			3rd column; 3rd row: Bold first sentence: at risk from SLR is underway in many locations.
Chapter 4 SM	7	5	7	5	Change "retreat" to "relocation"
	7	9	7	9	Table SM4.1 make the following changes (in red): Implementation level of relocation • Justification: Section 4.4.2.6, Cross-Chapter Box 9. The assessment takes into consideration the specific physical constrains of each illustrative geography. In particular, while megacities and deltas have a hinterland for relocation within the territorial system, land scarcity in atoll islands implies that relocation can take place within the island if needs for relocation are moderate, but should be either in another neighbouring island or in artificially raised islands in the case of higher relocation levels. In addition, this metric refers to planned and local-scale relocation aiming at reducing the exposure of people, assets and infrastructure, and not to spontaneous retreat by individuals or small communities. This metric therefore refers to proactive managed retreat or resettlement only at a local scale, and according to the specificities of a particular context. Forced displacement and international migration are not considered in this assessment.
Chapter 4 SM	8	15	8	15	Change "archetypal" to "illustrative"
Chapter 4 SM	8	17	8	17	Change "archetypal" to "illustrative"
Chapter 4 SM	8	20	8	20	Change "archetypal" to "illustrative"
Chapter 4 SM	8	20	8	20	In table SM4.2, change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	9	1	9	1	Change "adaptation" to 'response'
Chapter 4 SM	9	4	9	4	Change "retreat" to "relocation"
Chapter 4 SM	9	7	9	7	Change "High adaptation" to 'Maximum potential response'
Chapter 4 SM	9	11	9	11	Change "little" to "minimal"
Chapter 4 SM	9	17	9	17	In table SM4.3, change 'retreat' to "relocation"
Chapter 4 SM	10	24	10	24	In table SM4.4, change "No-to-moderate adaptation" to "No-to-moderate response"
Chapter 4 SM	10	24	10	24	In table SM4.4, change "High adaptation" to "Maximum potential response"
Chapter 4 SM	11	39	11	39	Change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	12	1	12	1	Change "archetypal" to "illustrative"
Chapter 4 SM	12	5	12	5	In table SM4.5, change "archetypal" to "illustrative"
Chapter 4 SM	12	9	12	9	Change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	12	34	12	34	Change "No-to-moderate adaptation" to "No-to-moderate response"
Chapter 4 SM	12	35	12	35	Change "High adaptation" to "Maximum potential response"
Chapter 4 SM	13	0	13	0	In Table SM4.6, row +84cm(B), change "High" to "Moderate to High"
Chapter 4 SM	13	0	13	0	In Table SM4.6, row +110cm(B), change "High to Very High" to "High"
Chapter 4 SM	13	1	13	1	In table SM4.3, change 'retreat' to "relocation"
Chapter 4 SM	13	1	13	1	In table SM4.3, change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	13	2	13	2	In Figure 4.3, change "Rage" for "Range" ("n" is lacking)

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Chapter	From page	From line	To Page	To line	Edit
Chapter 4 SM	13	2	13	2	Replace fig. SM4.4 with corrected version (provided by Alex)
Chapter 4 SM	13	8	13	8	Add "N.B.: in the Summary for Policy-Makers, and based on a request from government delegations during the Approval Session, Panel A of figure SPM5 includes the relative contribution of response options to risk reduction per geography, distinguishing between the relocation option and the other options (coastal defence, ecosystem restoration, subsidence limitation). This is represented by the horizontal bars at the forefront of the burning embers in figure SPM5). Each horizontal bar represents 100% of the responses implemented at each geography level (i.e. aggregation of M6, M7, M8 and M9 scores in table SM4.6), and the light green parts represent the specific contribution of relocation (i.e. M8 score compared to M6+M7+M8+M9). This approach does not allow for comparing relocation/other responses from one geography to another."
Chapter 4 SM	14	3	14	3	Change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	14	5	14	5	Change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	15	5	15	5	In table SM4.5, change "megacities" to "resource-rich coastal cities"
Chapter 4 SM	15	41	15	41	Change "retreat" to "relocation"
Chapter 4 SM	16	36	16	36	Change "retreat" to "relocation"
Chapter 4 SM	16	39	16	39	Change "retreat" to "relocation"
Chapter 4 SM	17	28	17	28	Change "retreat" to "relocation"
Chapter 4 SM	17	29	17	29	Change "retreat" to "relocation"
Chapter 4 SM	17	34	17	34	Change "retreat" to "relocation"
Chapter 4 SM	18	23	18	23	Change "retreat" to "relocation"
Chapter 4 SM	18	39	18	40	Change "retreat (migration)" to "relocation"
Chapter 4 SM	19	39	19	39	Change "retreat" to "relocation"
Chapter 4 SM	19	42	19	42	Change "retreat" to "relocation"
Chapter 4 SM	20	38	20	38	Change "retreat" to "relocation"
Chapter 4 SM	22	7	22	7	Change "Coastal retreat" to "Planned and local-scale relocation"
Chapter 4 SM	23	10	23	10	Change "retreat" to "relocation"
Chapter 4 SM	23	14	23	14	Remove "and retreat"
Chapter 4 SM	23	34	23	34	Change "retreat" to "such"
Chapter 4 SM	23	50	23	50	Change "retreat" to "relocation"
Chapter 4 SM	24	24	24	24	Change "retreat" to "relocation"
Chapter 5	73	56	73	57	P73, line 56-57. Change to "under RCP 2.6 of 3.9–8.5% by 2041-2060 and 3.4–6.4% by 2081-2100 relative to 1986-2005 (based on model projections described in Barange et al. 2019). Under RCP 8.5, the projected decrease was larger: 8.6–14.2% and 20.5–24.1% by the mid- and end- of the 21st century (Figure..."
Chapter 5	98	8	98	8	[Edit to 10th para of 5.5.1.2.2 (Coastal vegetation: mangrove, saltmarsh and seagrass ecosystems), starting "At the global scale"] Please insert "cost-effective " at start of the line, and change "management" to "restoration", so that amended sentence reads "sequestration achieved by cost-effective coastal blue carbon restoration"
Chapter 5	98	13	98	13	[Edit same para as above] Delete "This assumed level of restoration", replace by "Coastal ecosystem restoration could theoretically achieve higher sequestration, around ~0.2 GtC yr <sup>-1</sup> (Griscom et al., 2017), but"

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Chapter 5	183		183		Delete Resplandy, L., R. Keeling, Y. Eddebbar, M. Brooks, R. Wang, L. Bopp, M. Long, J. Dunne, W. Koeve and A. Oschlies (2018). "Quantification of ocean heat uptake from changes in atmospheric O <sub>2</sub> and CO <sub>2</sub> composition." Nature 563(7729): 105.
Chapter 5	183		183		Insert Resplandy, L., R. F. Keeling, C. Roedenbeck, B. B. Stephens, S. Khatiwala, K. B. Rodgers, M. C. Long, L. Bopp and P. P. Tans (2018). "Revision of global carbon fluxes based on a reassessment of oceanic and riverine carbon transport." Nature Geoscience 11(7): 504-508.
Cross-Chapter Box-Low Lying Islands and Coasts	5	50	5	50	insert before "More than 80% of small island residents live near the coast...": "SIDS are home to 65 million people (UN-OHRLLS, 2015)." Source: UN-OHRLLS, 2015. Small Island Developing States in numbers. Climate