Comment ID	From Page	From Line	To Page	To Line	Comment	Response
					Very useful indeed - can we get chapters to use the same	NOTED: we also encourage other
28858	0	0	0	0	indicies as much as possible? [Piers Piers Forster, United	Chapters to use these definitions
					Kingdom (of Great Britain and Northern Ireland)]	
					This is a useful Annex for the AR6. This looks good already and I	NOTED: indices selected here are those
					don't have major comments, but I'm wondering if there are	widely used in the literature. We do not
					some other compound events that could be addressed (I already	find widely used indices for compound
					see a few represented). For example, if there an index that could	events in the assessed literature. There
					characterise the conditions leading to severe icing (ice storm	are drought indices that could be used
					conditions), or avalanche (temperature and snow status) or .	like 3-year droughts but this was not
					Another useful measure could relate to consecutive extremes,	included in SOD as we wanted to use
54044	0				themselves not necessarily severe in impact, but their repetition	very classical indices. We expect more
					leading to major impacts. Examples could include: successive	literature with less classical indices
					flood events; consecutive shortened growing seasons, droughts	perhaps after SOD.
					or poor harvest conditions for agriculture). These are the types	
					of events that may tip some subsistence or economic activities	
					over the edge of viability. Worth considering perhaps? [Timothy	
					Carter, Finland]	
					Chapter 11 was asked to contribute to this annex but	NOTED: we now have Chapter 11 in the
57214	0				unfortunately did not have enough time to do so. This note is to	Annex
3/214	O				confirm that this will/should be done for the SOD. [Sonia	
					Seneviratne, Switzerland]	
					There is no mention of any of the latest advances to define a	REJECTED: The indices for intensification
					metric (or index) to forecast TC intensification, which is taking	of TC seem too specific here and not
					into account both the ocean thermal and the haline (salinity)	linked to an impact index. This is rather
					component. Some of these indices are:	an index for processes developing TCs
					• Mixing Depth averaged temperature (Price, 2009), where Mixing	
					depth is computed using both temperature and salinity profiles.	
					●Booling inhibition index (Vincent, 2012)	
49394	1	1	20	5	Dynamic Potential Intensity (Balaguru, 2015)	
					Suggested References:	
					(Price, 2009; Vincent et al., 2012; Balaguru et al., 2015) [Rafael	
					Catany, United Kingdom (of Great Britain and Northern Ireland)]	
27298	4	2	4	3	"and modes of internal climate variability such as the Southern	EDITORIAL: changed
				-	[JABIR ABDULKAREEM, Nigeria]	
				_	, ,	EDITORIAL: changed
27300	4	2	4	3	the El Niño–Southern Oscillation (ENSO)." [JABIR ABDULKAREEM,	
					Nigeria]	

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Comment ID	From Page	From Line	To Page	To Line	Comment	Response
27302	4	2	4	3	This can be better made as a stand alone sentence in order to shorten the senence its initially attaced to. The best way to write it will be "Others include modes of internal climate variability such as the Southern 3 Annual Mode (SAM), the North Atlantic Oscillation (NAO), and the El Niño—Southern Oscillation (ENSO). [JABIR ABDULKAREEM, Nigeria]	EDITORIAL: changed
27088	4	2		3	"and modes of internal climate variability such as the Southern [JABIR ABDULKAREEM, Nigeria]	EDITORIAL: changed
26166	4	15	4	15	This sentence should be the first sentence on page 3 Introduction i.e. "This annex provides etc etc [Stephen Taylor, United Kingdom (of Great Britain and Northern Ireland)]	ACCEPTED: We moved the sentence
26666	5	43	5	45	Please add what is TX, TM, TN [Alessandro Pezzoli, Italy]	ACCEPTED: we changed to Tmax Tmin Tmean
27304	6	9	6	9	"Changes in climatic conditions could influence de behavior of." Use 'the' instead of 'de' [JABIR ABDULKAREEM, Nigeria]	EDITORIAL: changed
27090	6	9			"Changes in climatic conditions could influence de behavior of." Use 'the' instead of 'de' [JABIR ABDULKAREEM, Nigeria]	EDITORIAL: changed
27306	6	30	6	31	"However, a 30°C threshold was used for Asia as most studies used this threshold in this [JABIR ABDULKAREEM, Nigeria]	NOTED: This has now changed for 35°C and 40°C everywhere in Chapter 12 and Atlas
27308	6	30	6	31	31 continent." The African thresold should be included, since this is a region where high temperatures are predominantly experienced [JABIR ABDULKAREEM, Nigeria]	NOTED: This has now changed for 35°C and 40°C everywhere in Chapter 12 and Atlas
27092	6	30		31	"However, a 30°C threshold was used for Asia as most studies used this threshold in this [JABIR ABDULKAREEM, Nigeria]	NOT APPLICABLE - Figure does not exist anymore
26668	7	1	7	3	Please add what is TX, TM, TN [Alessandro Pezzoli, Italy]	ACCEPTED! Details are given, Tmax, Tmin
30470	8	46	8	47	This index is particularly important for the winter tourism sector and for water management [Edoardo Cremonese, Italy]	ACCEPTED: we now mention also water management
30984	8	47	8	48	marking 100mm as a key threshold for skiing. Given the more general importance of SWE, not only related to winter tourism, I would not put this emphasis on a threshold for skiing. I would remove the sentence from I47 to I48 [Edoardo Cremonese, Italy]	TAKEN INTO ACCOUNT: we left the sentence but mention the more general importance of SWE.
25540	12	5			Table AVII.3 - Chapter 2 assesses trends in various ECVs (observations) - Since this are used to assess hazards, should Ch 2 be referenced as well? [Sharon Smith, Canada]	ACCEPTED: We now also mention Chapter 2

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25542	12	5			here. Note that hazards arise even if there is no change in area underlain by permafrost since permafrost is not a surface phenomena and has a depth so vertical and lateral extent are important. Warming of permafrost can lead to reduction in strength (even before 0°C is reached) which can result in land stability. Changes in active layer thickness resulting from deeper summer thaw of ice rich material can also preseent hazards. The indices used should probably be reconsidered in terms of the processes involved. [Sharon Smith, Canada]	REJECTED: Our indices are either easily calculated from standard model data or obtainable from authors. For such an index this seems too difficult to obtain
27310	12	6	12	6	(Singer et al., 2005) Reference too old [JABIR ABDULKAREEM, Nigeria]	REJECTED: this is the reference of the dataset we have
27292	12	6			(Singer et al., 2005) Reference too old [JABIR ABDULKAREEM, Nigeria]	REJECTED: this is a classical reference
9260	13	8	14	2	It would be good to add data references for this model data in tables AVII.4 and AVII.5 similar to the data references present in table AVII.6. [Martina Stockhause, Germany]	ACCEPTED: we added the reference to the datasets
44496	14	15	14	17	The reference Rajeevan, et al., 2006 is for the gridded precipitation data only. For gridded temperature data, the reference Srivastava et al., (2009) should be used. Srivastava, A.K., Rajeevan, M., Kshirsagar, S.R. (2009) "Development of high resolution daily gridded temperature data set (1969-2005) for the Indian region"Atmospheric Sci. Lett., 10, 249–25, DOI; 10.1002/a.s.l.232. [VIJAY SONI, India]	ACCEPTED: the reference was changed
27286					3 Annual Mode (SAM), the North Atlantic Oscillation (NAO), and the El Niño–Southern Oscillation (ENSO)." [JABIR ABDULKAREEM, Nigeria]	ACCEPTED: changes are made.
27288					This can be better made as a stand alone sentence in order to shorten the senence its initially attaced to. The best way to write it will be "Others include modes of internal climate variability such as the Southern 3 Annual Mode (SAM), the North Atlantic Oscillation (NAO), and the El Niño—Southern Oscillation (ENSO). [JABIR ABDULKAREEM, Nigeria]	ACCEPTED: changes are made.
27290					31 continent." The African thresold should be included, since this is a region where high temperatures are predominantly experienced [JABIR ABDULKAREEM, Nigeria]	TAKEN INTO ACCOUNT: the African threshold used was 35°C. Note that now the temperature thresholds used in Chapter 12 are 35°C and 40°C and the figure is global.

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