						REGIONAL ASSESSMENT REPORT ON BIODIVERSITY AND ECOSYSTEM SERVICES FOR EUROPE AND CENTRAL ASIA  Comments external review second order draft - Chapter 6	
Reviewer Name	Chapter / SPM	From Page	From Line	To Page	To Line	Comment	Response
Ilja Gasan Osojnik Črnivec	Chapter / 3FW	0	rioiii Line	Torage	TO LINE	local and native breeds are two interchangeable terms, for greater clarity, I would reccomentd only one expression is used for the whole publication.	The two terms address slightly different issues, as local breeds denotes breeds present only in a distinct region, and native breeds denotes breeds which had sufficient time to adapt to specific local conditions.
Brendan Coolsaet	0	0	(	)		All documents include big differences in the quality of the writing. Everything should be thoroughly proof-read and edited by native speakers.	This has been done throughout Limited or unequal access to NCP or genetic resources is now mentioned
Brendan Coolsaet	0	0	(	)		Use of genetic resources and Nagoya protocol are notably absent in most of the chapters	where appropriate.  The complete authorship is listed at the beginning of each chaper. Statistics
Brendan Coolsaet	0	0	(	)		For reviewing purposes, it may be useful to indicate the gender-balance and 'discipline-balance' within the group of authors (could be illustrated with a gauge at the beginning of each doc for example). This will facilitate identifying biaises	on gender and disciplinary balance are available from the ECA TSU and IPBES Secretariat
Germany	0	0	(	)		We believe that the regional ECA assessment generally has a comprehensive and scientifically sound structure. However, linkages between the chapters, especially for chapters 6, are not that strong yet. For instance, it is not clear in how far chap. 6 builds upon the findings and insights of the analyses within the previous chapters. While the review work, analyses and evaluations made in these chapters are by themselves very insightful, linking more strongly back to the status and trends chapter as well as the drivers/scenarios/visions and pathways chapters would be very useful. For instance, the 'status and trends' chapter 3 might help identify where policy action is most needed and the 'drivers' chapter 4 determines the underlying drivers which need to be addressed by policy action. Giving more weight to these chapters in the discussion of policy options might help to derive more region-based options as it stands now, many key messages of chapter 6 are of a more general nature.	A comprehensive attempt has been made to cross-reference the different chapters to ensure consistency between them. All chapter texts were screened for potential opportunities for governance or management action and these opportunities are now mentioned in chapter 6 with reference to the chapter of origin.
Germany	0	0	,			This assessment shows some imbalances regarding a lack of coherence in the use of terminology: This can lead to different understandings and also to misinterpretations. For instance, at its last Plenary, the IPBES had agreed to use the term "nature's contributions to people" (NCP) as a synonym for the term "ecosystem services". Unfortunately, the term NCP is now being used in the assessment frequently in a modified form and therefore inconsistently. This aspect needs to be addressed in the assessment as well as in the SPM.	Terminology was systematically checked across the full report
Germany	0	0		)		There are significant contributions and benefits arising from agro-ecosystems. The increase in food, feed and timber production and resulting food security has been mentioned, but not thoroughly discussed. We would therefore ask the authors to extend this discussion and provide a more balanced perspective on the increase in food security over the last decades. Furthermore, information on traditional varieties and breeds or on genetic resources for food and agriculture is missing. Thus, the contributions of agriculture to the biological diversity in the agricultural sector have not been completely considered so far.	
Germany	0	0	(	)		Regarding kowledge gaps - please provide a section at the end of each chapter to present the relevant knowledge gaps that were identified from the reviews (for chapter 3 it's missing). Is refered to in the SPM, p. 8 l. 233 that relevant knowledge gaps are identified, so please ensure that all knowledge gaps identified throughout the individual chapters are then summarized and assessed in the corresponding section of knowledge gaps and uncertainties towards the end of each chapter.	t Knowledge gaps have been identified for each chapter, as well as being summarised as a box in the SPM
Germany	0	0	(	)		Some of the chapters (particularly 2, 3, 4, 6) are very long and readers easily loose track as to what type of information is currently presented. Please try to synthesize the information as much as possible and if a lot of information is to be presented provide short summaries or highly important findings.	All of the chapters have been reduced considerably in length
Germany	0	0	(	)		There are still some gaps, placeholders or work in progress in the SOD. This makes it partly difficult to comment. Please fill these gaps effectively.  We are presently request the chapter authors to ensure that all facts and figures contained in the chapters are accurately cited and adequately referenced with up-to-date sources. We also encourage chapter authors to cross-check whether the same facts and figures on a specific topic are being used throughout the assessment. Please make sure that all key messages are	Gaps have been filled throughout the document  The use of evidence sources has been comprehensively checked across the
Germany	0	0	(	)	ļ	backed up by facts and figures.  Please explain all abbreviations when first used and then use them coherently afterwards (e.g. ILKP in the SPM)	document, especially including those that integrate across chapters  All abbreviations have either been spelt-out or defined on first use
Germany Belgian government - Hilde Eggermont (IPBES National Focal Point)	0	0		)		All documents include big differences in the quality of the writing. Everything should be thoroughly proof-read and edited by native speakers.	The document has been comprehensively reviewed by native English speakers
Belgian government - Hilde Eggermont (IPBES National Focal						Use of genetic resources and Nagoya protocol are notably absent in most of the chapters	Limited or unequal access to NCP or genetic resources is now mentioned
Point) Belgian government - Hilde Eggermont (IPBES National Focal Point)	0	0				For reviewing purposes, it may be useful to indicate the gender-balance and 'discipline-balance' within the group of authors (could be illustrated with a gauge at the beginning of each doc for example). This will facilitate identifying biases	where appropriate.  The complete authorship is listed at the beginning of each chaper. Statistics on gender and disciplinary balance are available from the ECA TSU and IPBES Secretariat
Belgian government - Hilde Eggermont (IPBES National Focal Point)	0	0	(	)		no reference to Nature-based solutions, though very relevant in this assessment (i.e. In the different Chapters and SPM)	The NBS concept is referenced where there is literature and evidence to support its use
Anatoliy Khapugin	0	0	(	) (	) (	Through the whole assessment, there are many cases of mixture English (British+American): e.g., ch.1, p. 12, line 333 (prioritize) vs. ch.1, p. 4, line 83 (recognised), etc. I think, some or of English forms should be used through the whole assessment. Also, there are many mistakes (or it is a lack of standards of formatting) for references style. I would revommend check through the whole assessment. I didn't add concrete recommendations because I don't know what format of references and references style should be used	
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0	0	(	)		We would recommend that the IPBES Core indicator 'Marine Trophic Index' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Dirk Zeller (email: d.zeller@oceans.ubc.ca).	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0	0	(			We would recommend that the IPBES Core Indicator 'Proportion of local breeds, classified as being at risk, not-at-risk or unknown level of risk of extinction' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Roswitha Baumung (email: Roswitha.Baumung@fao.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.

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UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Core Indicator Percentage of Category 1 nations in CITES is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Tom De-Meulenaer (email: Tom.DE-MEULENAER@cites.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Core Indicator 'Nitrogen + Phosphate Fertilizers (N+P205 total nutrients)' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Francesco Tubiello (email: francesco.Tubiello@fao.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Core Indicator 'Trends in Pesticide Use' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Francesco Tubiello (email: francesco.Tubiello@fao.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Core Indicator 'Percentage of Undernourished People' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Carlo Cafiero (email: Carlo.Cafiero@fao.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Wetland Extent Trend Index' is used in this assessment. Indicator information is available from the IPBES indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Sarah Darrah (email: Sarah.Darrah@unep-wcmc.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Trends in invasive alien species vertebrate eradications' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Shyama Pagad (email: s.pagad@auckland.ac.nz)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator RAMSAR areas is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Maria Rivera (email: RIVERA@ramsar.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Number of countries with national instruments on biodiversity relevant tradable permit schemes' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. These indicators are country-specific, so they can be disaggregated by countries in your region. However, given the incomplete country coverage, any regional aggregates cannot be taken to represent the entire region. Currently we have data on about 58 countries. [Just to note, we also have information on countries with biodiversity-relevant taxes in place]. More information on this is available from the Indicator Focal point Katia Karousakis (email: Katia.KAROUSAKIS@oecd.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Trends in potentially harmful elements of government support to agriculture (produced support estimates)' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator is available for the OECD as a whole and has not been disaggregated as such. The original data on (total) government support to agriculture is available on the OECD website by country. More information on this is available from the Indicator Focal point Katia Karousakis (email: Katia.KAROUSAKIS@oecd.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Better Life Index' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. The data is available for only 38 countries and therefore it would be difficult to be used regionally the way IPBES has classified these. More information on this is available from the Indicator Focal point Katia Karousakis (email: Katia.KAROUSAKIS@oecd.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Protected area coverage of terrestrial, marine and freshwater ecoregions' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Ed Lewis (email: Edward.Lewis@unep-wcmc.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Growth in species occurrence records accessible through GBIF' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Tim Hirsch (email: 'thirsch@gbif.org')	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Number of countries that have adopted legislative, administrative and policy frameworks to ensure fair and equitable sharing of benefits' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Robert Hoft (email: robert.hoft@cbd.int)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Information provided through the financial reporting framework, adopted by decision XII/3' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Robert Hoft (email: robert.hoft@cbd.int)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the IPBES Highlighted Indicator 'Number of world natural heritage sites per country per year' is used in this assessment. Indicator information is available from the IPBES Indicator portal and the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Douglas Nakashima (email: D.Nakashima@unesco.org)	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the Indicator 'Trends in Loss of Reactive Nitrogen to the Environment' is used in this assessment. Indicator information is available from the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Albert Bleeker (email: Albert.Bleeker@pbl.nl).	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the Indicator 'Wild Bird Index (forest & farmland specialist birds) is used in this assessment. Indicator information is available from the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Richard Gregory (email: richard_gregory@rspb.org.uk).	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	0 0	0	We would recommend that the Indicator 'Climatic impacts on European and North American birds' is used in this assessment. Indicator information is available from the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Richard Gregory (email: richard.gregory@rspb.org.uk).	Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.

UNEP-WCMC: The			
Biodiversity Indicators			Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0 0	can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Benjamin Halpern (email: halpern@nceas.ucsb.edu)	indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The		We would recommend that the Indicator 'Cumulative Human Impacts on Marine Ecosystems' is used in this assessment. Indicator information is available from the BIP website	
Biodiversity Indicators			Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0		indicators as far as possible given the delivery late in the process.
	1 1		5 · · · · · · · · · · · · · · · · · · ·
UNEP-WCMC: The		We would recommend that the Indicator ' Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species' is	
Biodiversity Indicators			Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0 0	information on this is available from the Indicator Focal point Shyama Pagad (email: s.pagad@auckland.ac.nz)	indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The			
Biodiversity Indicators			Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0 0	can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Rik Kutsch Lojenga (email: rik@ethicalbiotrade.org)	indicators as far as possible given the delivery late in the process.
UNEP-WCMC: The			
Biodiversity Indicators		We would recommend that the Indicator 'Red List index (impacts of utilisation)' is used in this assessment. Indicator information is available from the BIP website www.bipindicators.net.  This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Tom De-Meulenaer (email: Tom.DE-	Charter author tooms made use of those ages /highlighted /f. wth or
Partnership (BIP)			Chapter author teams made use of these core/highlighted/further indicators as far as possible given the delivery late in the process.
raitileisilip (bir)	0 0	medicinach@dies.org)	indicators as rai as possible given the delivery late in the process.
UNEP-WCMC: The			
Biodiversity Indicators		We would recommend that the Indicator 'Water Quality Index for Biodiversity' is used in this assessment. Indicator information is available from the BIP website www.bipindicators.net.	Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0 0	This indicator can be disaggregated/made available for this region, more information on this is available from the Indicator Focal point Hartwig Kremer (email: hartwig kremer@unep.org) i	
UNEP-WCMC: The		We would recommend that the Indicator 'Number of Parties to the CBD that have deposited the instrument of ratification, acceptance, approval or accession of the Nagoya Protocol' is	
Biodiversity Indicators		used in this assessment. Indicator information is available from the BIP website www.bipindicators.net. This indicator can be disaggregated/made available for this region, more	Chapter author teams made use of these core/highlighted/further
Partnership (BIP)	0 0 0	information on this is available from the Indicator Focal point Beatriz Gomez (email: 'beatriz.gomez@cbd.int')	indicators as far as possible given the delivery late in the process.
		A few points on references: 1) In general, there is a need to systematically check references in the chapters. Specifically, EEA reports are not referenced consistently, e.g. in some chapters	
		it is EEA XXXX, while in other chapters European Environment Agency XXXX. 2) Chapter 3 doesn't seem to contain any reference to EEA materials, which seems a bit odd given the many	
EU: Frank Wugt Larsen			References have been systematically checked and standardised throughout
(EEA)	0 0 0		the document using the Mendeley bibliographic software.
		As during last review, we would like to point you to relevant information hosted by the EEA for which we believe a consultation by authors could improve the ECA report. In general, we will also refer to the EEA/ETC BD document 'Information note to IPBES secretariat on EEA and EU	
		will also refer to the EEA/ET LO BUCULINER. III miles to the EEA/ET LO BUCULINER. III miles E	
		provide a good starting point to find relevant information, incl. EEA, 2015 European environment — state and outlook 2015 (50FR 2015, in particular, thematic briefings and SOER	
		synthesis); EEA 2016. Mapping and assessing the condition of Europe's ecosystems. Progress and challenges; EEA, 2015, State of Nature Report 2015; EEA, 2015, State of Europe's Seas;	
EU: Frank Wugt Larsen		EEA, 2016. European forest ecosystems – state and trends. In general, the EEA website (http://www.eea.europa.eu) also provides access to a wealth of relevant indicators and	
(EEA)	0 0 0		EEA sources are highly appreciated and cited throughput the assessment.
` '		Overall: the ECA assessment is looking really good - many congratulations to all the authors. I have focused the great bulk of my comments on issues directly related to data mobilised for	,,,,,
		the ECA against IUCN standards, especially in the light of the provision of these data for IPBES in https://www.nature.com/articles/sdata20167, and of IUCN's strategic partnership with	
Thomas Brooks	0 0 0		Thanks for the comment
Switzerland: José		General: establish a gloassary as part of this report and include in the glossary words like "cohesiveness"; "regulatory", "material", "non-material" NCPs; "trofic level"; "biotic	
Switzerland: José Romero	0 0 0	homogenisation",	A glossary has been created as suggested
	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests,	A glossary has been created as suggested
	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For	
Romero	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g. a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is	Trade-off is here consistently meant to indicate a negative relation between
Romero Switzerland: José	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g. a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is more in a negative sense, then why not qualify trade-offs as e.g. "harmful". We hope that the English speakers authors understand our point and find a way out to address it in English as	Trade-off is here consistently meant to indicate a negative relation between two variables of interest, e.g. between two NCPs. Mitigation of a trade-off
Romero Switzerland: José Romero	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g., a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is more in a negative sense, then why not qualify trade-offs as e.g. "harmful". We hope that the English speakers authors understand our point and find a way out to address it in English as well as in the other non-English languages.	Trade-off is here consistently meant to indicate a negative relation between two variables of interest, e.g. between two NCPs. Mitigation of a trade-off would correspond toyour "happy outcome".
Romero  Switzerland: José Romero The Netherlands:	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g. a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is more in a negative sense, then why not qualify trade-offs as e.g. "harmful". We hope that the English speakers authors understand our point and find a way out to address it in English as twell as in the other non-English languages.  [Financial] cost-benefit analyses for policymakers/society are missing, as it is important to name such considerations explicitly. Also, certain concepts should be defined more precisely.	Trade-off is here consistently meant to indicate a negative relation between two variables of interest, e.g. between two NCPs. Mitigation of a trade-off would correspond toyour "happy outcome".  Discussion of the economics of ES (valuation) has been increased in the
Romero  Switzerland: José Romero	0 0 0	homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g. a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is more in a negative sense, then why not qualify trade-offs as e.g. "harmful". We hope that the English speakers authors understand our point and find a way out to address it in English as well as in the other non-English languages.  (Financial) cost-benefit analyses for policymakers/society are missing, as it is important to name such considerations explicitly. Also, certain concepts should be defined more precisely.  O This goes, among others things, for Natural Capital.	Trade-off is here consistently meant to indicate a negative relation between two variables of interest, e.g. between two NCPs. Mitigation of a trade-off would correspond toyour "happy outcome".
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Romero  Switzerland: José Romero The Netherlands: Astrid Hilgers  Ramsar Secretariat  IPBES Knowledge and Data Task Force (KD TF)/ Task Group on		homogenisation",  General: in this report, the concept of "trade-off" is used in a rather negative sense, while generally a trade-off is a situation reached for the satisfaction of divergent views and interests, which is considered to be a positive solution. We wonder if this rather negative use of trade-off in the report would be correctly translated in the other non-English languages. For example, in French, we would rather think of a happy outcome when a trade-off (e.g. a compromise, a good deal) is done in front of irreconcilable antagonisms. If the use in this report is more in a negative sense, then why not qualify trade-offs as e.g. "harmful". We hope that the English speakers authors understand our point and find a way out to address it in English as well as in the other non-English languages.  (Financial) cost-benefit analyses for policymakers/society are missing, as it is important to name such considerations explicitly. Also, certain concepts should be defined more precisely.  O This goes, among others things, for Natural Capital.  We recommend that as in the regional assessments for Africa and the Americas, the area of Ramsar Sites, wetlands protected under the Ramsar Convention as internationally important oby sub-region, be included in this assessment as an indicator. See: https://rsis.ramsar.org/   This review provides feedback from the IPBES Knowledge and Data Task Force (KD TF) / Task Group on Indicators (TGI) on the use of IPBES core indicators in your assessment. We see potential for inclusion of additional core indicators and for the more consistent use of the standardized visuals provided. For information on core indicators potentially relevant to a given chapter, please see thetry//www.ipbes.net/findicators (or see the tab named, "Orce indicators" in this spreadsheet) and check the indicators shared by our TSU. For the trends of IPBES core indicator, standardized visualizations should be used as much as possible to ensure the consistency between and within the assessments. The KD TF/TGI ai	Trade-off is here consistently meant to indicate a negative relation between two variables of interest, e.g. between two NCPs. Mitigation of a trade-off would correspond toyour "happy outcome".  Discussion of the economics of ES (valuation) has been increased in the document, especially in Ch2  Done in chapter 3.  Chapter author teams made use of the core indicators as far as possible given the delivery late in the process.

					The assessment's description in Chapter 1 appears anthropocentric without a clear focus on humans as part of Nature. Since the Assessment clearly notes (Table 1.1, Figure 1.2) that the IPBES has a scope overarching earlier assessments such as MA, TEEB, MAES by providing a holistic view on Nature, the intdorudction, too, may need to put more emhasis on the socieo-ecologic system as a single entity rather than merely a source of benefits to humans.	
					This could lead onto introducing insights at the win-win and lose-lose options, including the ecosystem disservices, as well as a more systemic view at the continuum of states in which the socio-ecologic system is evolving over time. It would bring out more clearly the NATURE component of the IPBES CF, in particular its Mother Earth and Systems Values categories	Chapter 1 has been edited considerably to adopt a more comprehensive
Kremena Gocheva					which appear to be underrepresented in the current draft. Their equivalent in Western science appears to be not the entire body of knowledge on biodiversity and ecosstems but rather the parts of ecology that treat ecosystems from the energy/emergy/entropy/information theory points of view.	socio-ecological systems approach as well as recognising the intrinsic value of nature and pointing out non-material relational values.
Kremena Gocneva	-	0		<del>'</del>	the parts of ecology that treat ecosystems from the energy/emergy/entropy/information theory points of view.	or nature and pointing out non-material relational values.
					This is developing really nicely.	
					One thing to watch is the use of 'prescriptive language'. I've edited the Executive Summary to remove this, but the chapter as a whole will need careful editing to avoid such language.	
Mark Rounsevell	Ch.6	0	C		Also, the chapter is currently long, so editing down the length of the text would be good.	The text has been edited to avoid prescriptive language and has also been shortned
					Euforgen, the European programme for forest genetic resources, is never mentionned. This more than 20 year old programme (http://www.euforgen.org/) is a success for raising	
Bruno Fady	Ch.6	0	C	0	0 awareness of and implementing strategies for conservation of genetic diversity across Europe	Reference has been added
					While you do partly adress the ECA region very well and base your findings on the region, in other parts the discussions remain very general and could apply to any region. In those	Thank you for the comment. We have in all parts of the chapter tried to be
Germany	Ch.6	0		)	paragraphs please try to link the analyses more closely to the characteristics and settings within ECA	more specific to the region.
					When examples or more region-specific information is given, this very often relates to examples from the EU or EU-countries - rarely to EE or CA. It would be very helpful to know	We are well aware of the knwoledge gaps related to Eastern and Central
Cormany	Ch 6		_	J I	whether the reason for this apparent imbalance and state it explicitely in the text. Didn't you find appropriate examples from these regions because they do not exist or is it a data access (knowledge not because they do	Europé, and Central Asia. We have as much as possible tried to include
Germany	Cil.b	0		1	access/knowledge problem?	litterature for these subregions.
					The chapter is very long and information could certainly be condensed. Though interesting, please make sure that you present only information which is of specific relevance for the	
					analyses you do and for the ECA region. For instance the section section 6.3 there are many global institutions presented which are relevant for all regions. Would this better fit into the	
Germany	Ch 6	0			global assessment and can you here address only the ECA-regional points? See, for instance, the discussion on WTO, GATS etc. 1. 624-659.	All sections has been substantially shortned and made more ECA-specific.
Germany	Ch.6	0			The concept of NCPs is applied in the chapter, but not used coherently in the different sections. Please stream-line	The use of the concept has been streamlined.
						We have tried to stremline the text to meet the comment. However this is a
					The benefits of integration of policies/measures/tools are mentioned in several sections. This makes it repetitive, please try to streamline, this would also be beneficial w.r.t. the lenght of	
Germany	Ch.6	0	C	)	the chapter	for polic integration will also be highlighted in the executive summary.
					As it stands now, many key messages of chapter 6 are of more general nature. The sections on "policy-options" are yet to be developed. Please ensure to provide concrete policy options.	
					This may help policy-makers to take action. These options should not be prescriptive, but provide a range of possible actions for policy-makers. Please base those findings on the results	The executive summary has been substantially revised to meet this
Germany	Ch.6	0	C		of chapter 6, but also on the other very relevant chapter 2-5	comment.
Olesya Petrovych	Ch.6	0	C	)	Chapter 6 needs detailed analysis and unification of structure of information.	The chapter has been substantially shortned to meet this request.
Olesya Petrovych	Ch.6	0	C	)	I realy like the examples and case studies. However, chapter 6 can be shortened by the graphs and tables showing examples.	The chapter has been substantially shortned to meet this request.
		0	С	)	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in	
Audun Ruud	Ch.6	0	C	)	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6	The table has been updated to include more examples of policy instruments.
Audun Ruud Andrew Wade		0 0	0	0	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.	
Audun Ruud Andrew Wade ECA values liaison	Ch.6 Ch.6	0	C C		In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6  Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in	The table has been updated to include more examples of policy instruments. Thank you!
Audun Ruud Andrew Wade ECA values liaison group	Ch.6	0 0	C C		In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.	The table has been updated to include more examples of policy instruments.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison	Ch.6 Ch.6 Ch.6	0 0	C C	)	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter	The table has been updated to include more examples of policy instruments. Thank you! This has been considered throghout the text.
Audun Ruud Andrew Wade ECA values liaison group	Ch.6 Ch.6	0 0 0	C C	)	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,	The table has been updated to include more examples of policy instruments. Thank you!
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6	0 0 0	C C C	5	In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406,	The table has been updated to include more examples of policy instruments. Thank you! This has been considered throghout the text.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6	0 0 0	C C C		In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3551, 3357, 3361, 3374, 3361, 337	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6	0 0 0	C C C		In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3609, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4348, 4353, 4422, 4426, 4424, 4439.	The table has been updated to include more examples of policy instruments. Thank you! This has been considered throghout the text. The concept has been changed where relevant. The concept has been changed where relevant.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C C C		In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3551, 3357, 3361, 3374, 3361, 337	The table has been updated to include more examples of policy instruments. Thank you! This has been considered throghout the text. The concept has been changed where relevant. The concept has been changed where relevant.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588.  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3609, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4348, 4353, 4422, 4426, 442	The table has been updated to include more examples of policy instruments. Thank you! This has been considered throghout the text. The concept has been changed where relevant. The concept has been changed where relevant.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588.  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3566, 3573, 3669, 3618, 3683, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4348, 4353, 4422, 4426, 4426, 4426, 4426, 4426, 426	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison group ECA values liaison group ECA values liaison group	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments 1 am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3609, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4384, 4353, 4422, 4426, 4428, 4434, 4439.  In oder to allingn with the other chapters, please replace "BES" with the relevant full term (nature and its contributions to people where possible and relevant), in box 6.11 and lines: 638, 2009, 2230, 2982, 2984, 2984, 2984, 2984, 2984, 3939, 393, 393, 303, 303, 303, 303, 30	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.
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Audun Ruud Andrew Wade ECA values liaison group	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3609, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4348, 4353, 4422, 4426, 4428, 4439, 4439, 10 noder to allingn with the other chapters, please replace "BES" with the relevant full term (nature and its contributions to people where possible and relevant), in box 6.11 and lines: 638, 2069, 2230, 2982, 2984, 2986, 3124, 3127, 3201, 3234, 3593, 3622, 3623, 3626, 3637, 3878, 3880, 3887, 3890, 3898, 3903, 3904, 3911, 3954, 3968, 3980, 4002, 4005, 4012, 4013, 4014, 4018, 4020, 4027, 4065, 4075, 4088, 4030, 4031, 4090, 4139, 4140, 4168, 4211, 4408  Check that all subregions are covered roughly equally in terms of values.  In this table, suggestions are made for maps to illustrate s	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context.  We are not really sure what is requested here. The text has however been
Audun Ruud Andrew Wade ECA values liaison group ECA values liaison	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2213, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3383, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3564, 3557, 3609, 3618, 3683, 3642, 3667, 3729, 3999, 4089, 4064, 4266, 4267, 4283, 4348, 4353, 4422, 4426, 4428, 4434, 4439, 100, 4436	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context.  We are not really sure what is requested here. The text has however been made more ECA-relevant throughout the text.
Audun Ruud Andrew Wade ECA values liaison group ESCA values liaison group	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments 1 am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6 Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3609, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4348, 4353, 4422, 4428, 4434, 4439.  In oder to allingn with the other chapters, please replace "BES" with the relevant full term (nature and its contributions to people where possible and relevant), in box 6.11 and lines: 638, 2069, 2230, 2982, 2984, 2986, 3124, 1317, 3201, 3234, 3593, 3622, 3663, 3628, 3673, 3878, 3880, 3887, 3890, 3898, 3903, 3904, 3911, 3954, 3968, 3980, 4002, 4005, 4013, 4014, 4016, 4018, 4020, 4027, 4065, 4075, 4080, 4081, 4090, 4139, 4140, 4168, 4211, 4408  Check that all subregions are covered roughly equally in terms of values.  In this table, suggestions are made for maps to illustrate some sections	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context. We are not really sure what is requested here. The text has however been made more ECA-relevant throughout the text.  The chapter primarily focuses on the global, regional and national level. Information on sub-regional level is provided when there are good and
Audun Ruud Andrew Wade ECA values liaison group	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6  Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2213, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3509, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4438, 4353, 4422, 4426, 4428, 4439.  In oder to allings with the other chapters, please replace' ESE's with the relevant full term (nature and its crimitotions to people where possible and relevant), in box 6.11 and lines: 638, 2069, 2230, 2982, 2984, 2986, 3124, 3127, 3201, 3234, 3593, 3622, 3623, 3628, 3680, 3887, 3890, 3898, 3903, 3904, 3911, 3954, 3968, 3980, 4002, 4005, 4013, 4014, 4016, 4018, 4020, 4027, 4065, 4075, 4080, 4081, 4090, 4139, 4140, 4168, 4211, 4408  Check that all subregions are covered roughly equally in terms of values.  In this table, suggestions are made for maps to illustrate some sections of the differen	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context. We are not really sure what is requested here. The text has however been made more ECA-relevant throughout the text.  The chapter primarily focuses on the global, regional and national level.
Audun Ruud Andrew Wade ECA values liaison group PESC-4: Teuta Skorin PESC-4: Kristina Kujundzic	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 3 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter: For instance in section 6.3 and 6.6  Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 405, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2313, 2977, 3175, 3187, 3190, 3282, 3284, 3493, 3493, 3442, 3442, 34439, 10 noder to allingn with the other chapters, please replace 'ESES' with the relevant full term (nature and its continuous to people where possible and relevant), in box 511 and lines: 638, 2069, 2230, 2982, 2984, 2986, 3124, 3127, 3201, 3234, 3593, 3626, 3623, 3626, 3637, 3878, 3880, 3887, 3890, 3898, 3903, 3904, 3911, 3954, 3968, 3980, 4002, 4005, 4012, 4013, 4014, 4016, 4018, 4020, 4027, 4065, 4075, 4080, 4081, 4090, 4139, 4140, 4168, 4211, 4408  Check that all subregions are covered roughly equally in terms of values.  In this table, suggestions are made for maps to illustrate some sections of the different chapters. A document with a number of examples (referred to below) is available at: https://tinyurl.com/ECA-Maps  ECA sharepoint site login required	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context. We are not really sure what is requested here. The text has however been made more ECA-relevant throughout the text. The chapter primarily focuses on the global, regional and national level. Information on sub-regional level is provided when there are good and illustrative examples of success and failure.
Audun Ruud Andrew Wade ECA values liaison group ESCA values liaison group	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			In general there is an impressive number of references and approaches, but in general they should and could be better merged and drawn upon throughout the chapter: For instance at pages 8 – 9, the introductory table 6.1 is very valid and relevant, but on instruments I am missing certificates which are referred to several places later in the chapter for instance in section 6.3 and 6.6  Congratulations to all the authors and review editors on excellent work to collate and present the material.  When applicable, i.e. when different value types are mentioned or discussed, please refer to the values table and definitions in Chapter 1 that introduces and defines all value types in the assessment. This will be suggested to each ECA chapter  Replace 'human well-being' with 'quality of life' in lines: 72, 78, 87, 92, 124, 180, 184, 190, 236, 258, 493, 572, 1335, 3338, 3532, 3546, 3639, 3890, 4441, 4520, 4588,  Replace 'ecosystem services' with 'nature's contributions to people' in lines: 63, 70, 71, 83, 86, 98, 124, 135, 141, 151, 163, 177, 183, 190, 226, 245, 248, 249, 251, 260, 309, 406, 555, 557, 560, 572, 611, 716, 767, 1180, 1308, 1335, 1697, 1700, 1712, 1715, 2061, 2218, 2221, 2222, 2213, 2977, 3175, 3187, 3190, 3282, 3284, 3297, 3338, 3351, 3357, 3361, 3374, 3404, 3476, 3498, 3508, 3509, 3527, 3533, 3544, 3546, 3557, 3509, 3618, 3638, 3642, 3667, 3729, 3999, 4089, 4264, 4266, 4267, 4283, 4438, 4353, 4422, 4426, 4428, 4439.  In oder to allings with the other chapters, please replace' ESE's with the relevant full term (nature and its crimitotions to people where possible and relevant), in box 6.11 and lines: 638, 2069, 2230, 2982, 2984, 2986, 3124, 3127, 3201, 3234, 3593, 3622, 3623, 3628, 3680, 3887, 3890, 3898, 3903, 3904, 3911, 3954, 3968, 3980, 4002, 4005, 4013, 4014, 4016, 4018, 4020, 4027, 4065, 4075, 4080, 4081, 4090, 4139, 4140, 4168, 4211, 4408  Check that all subregions are covered roughly equally in terms of values.  In this table, suggestions are made for maps to illustrate some sections of the differen	The table has been updated to include more examples of policy instruments. Thank you!  This has been considered throghout the text.  The concept has been changed where relevant.  The concept has been changed where relevant.  The concept has been changed where relevant.  We have tried to meet this request when possible.  Thank you. We have considered the information provided.  We use it, but not often, and in the case it is used it is defined in its context. We are not really sure what is requested here. The text has however been made more ECA-relevant throughout the text.  The chapter primarily focuses on the global, regional and national level. Information on sub-regional level is provided when there are good and

						It would be great if all sections were built such as section 6.5.2, 6.5.3, 6.5.4 and 6.5.5 with a very short introduction to the topic, the detailed analysis and explanations, and a subsection	
						dedicated to conclusions and synthesis at the end. Use it as a model for each subsection. All the tables listing examples could be annexed to the chapter. When possible, for the	
PESC-4: Kristina				_		conclusion subsections, make statements by subregions and make clear where there is no data. When there is no data, make a conclusion about the existing data: can it be extrapolated	Thank you we have tried to apply the same ouline for all the sector analysis
Kujundzic	Ch.6	0	0	0	0	to the areas with data gaps?	in the chapter.
						General: The chapter is too long. For instance the chapter 6.3.1. includes unnessessary descriptions obout international law etc. Also in chapter 6.3.3.2 there is unnessessary description of decision making in the EU. Overall there is quite a bit of parts only describing or even juts listing instruments, actors etc. all these parts could be shortened and put more focus on	
						to decision making in the EU. Overall meries is quite a bit on parts only describing or even just issuing instruments, activis etc., and insert parts could be shortened and put in more locus on langitical information. Attention should also be paid to the balance between different chapters and sectors. A lot of relevant literature missing on especially legal iterature on integrating	Thank you for the comment. The chapter has been substantially shortned
						ecosystem services in decision making, new environmental governance, adaptive law and governance, resilience & law and governance. (Authors to consider include Tony Arnold, Lance	and made more ECA-specific. Litterature on adaptive and transformative
Finnish Government	Ch 6	0	0	0	0	Gunderson, A. S. Garmestinniani, J. B. Ruhl, Holly Doremus, Elisa Morgera, Armstrong, Kenneth, Börzel, Tanja),	governance has been added (see eg. 6.6. )
Fillinsii Governiilent	CII.0			U	0	Guintersson, A. 3. Garmestani, J. B. Kuni, Hony Dorenius, Elisa Wiorgela, Arnistrong, Kennetri, Borzel, Tanja,)	We are not really sure what is meant by ogeneralize the effectiveness. We
							have defined effectivnessin a general term as as goal achivement which
Finnish Government	Ch.6	0	0	0	0	General: as it is difficult to make general conclutions on the effectiveness, equity, efficiency, etc. Ogeneralize the effectiveness,	make it possible to assess the effectiveness.
						3-1-17	
						Overall, IPBES would arrive to better results if the assessments would be based on the hybrid sources of i) primary data (through indicators and custom analyses) and ii) literature review	
						as in the present assessment. The closer to source data the pathway i) will be, the better will be the result. There is a dangerous, through attractive, avenue to use secondary sources,	
						such as expert, not evidence, based species ranges and mechanical and algorithmic data mash-ups for indicators, instead of those directly based on the primary data. The set of Core	
						indicators needs to be reconsidered for the future assessments to straighten and to shorten the way from the raw data to the IPBES assessments. The task group on data and knowledge	
Dmitry Schigel	Ch.6	0	0			is in the ideal position to the change the data policy for the next assessments.	This comment has to be adressed by the co-chairs.
Harald Pauli	Ch.6	1	1	188	7119	Undoubtedly, the chapter raises important issues on building governance and decision structures for integrating biodiversity, ecosystem integrity and services into mechanisms that	1
						regulate human activities and interactions. The scientific basis, the role of thouse providing biodiversity data and who should be capable in doing so in the future, however, is quite	
						drifted away from the main stream of the report. A vital participation of biodiversity researchers, taxonomists, biogeographers and ecologists in governance and decision structures and	
						processes appears to being indispensable for a sustainable and cautious procedure. In addition to halting the losses of biological diversity of the biosphere, capacity building for expertise	
						in biodiversity research and taxonomy is essential not only for filling the large knowledge gaps, but also for the long-term observation of biodiversity patterns. In view of the overall	
						rather weak financial support and long-term committment for maintaining and building of expertise and monitoring infrastructure, its role in the above process needs to be emphasized,	
						especially regarding the international level.	Thank you for the comment, we highlight the need for mobilization of
							financial resources to achive policy objectives.
Mark Rounsevell	Ch.6	1	23			These need to be added	They have been added
Mark Rounsevell	Ch.6	3	62			No confidence statements given here	They have been added
						the relation betwen biodiversity and ecosystem services needs to be specified: not all ecosystem services depend on biodiversity, and even scientifically the relation between biodiversity	
Jetske Bouma	Ch.6	3	62			and ecosystem services is not so clear. Making this relation clear is crucial for gaining policy commitment and coherence.	This relationship has been elaborated in in previous chapters.
						I like the way the different policy instruments are discussed: legal and regulatory instruments crucial, financial and economic instruments complementary, right-based approaches	
						important but only emerging. Only the term 'social and cultural'instruments I don't find very convincing. Why not say voluntary approaches or instruments for creating societal	Thank you we have changed the term to social and information based
Jetske Bouma	Ch.6	3	62			awareness and commitment.	instruments.
						In discussing the governance of biodiversity and ecosystem services I miss two crucial issues: a) the interests of future generations (mostly linked to biodiversity and the supporting	
						ecosystem services) and b) the public good characteritics of biodiversity and certain ecosystem services which imply a crucial role for governments (in safeguarding the provisioning of	
						ecosystem services in the long run). Especially give the current fragmentation of biodiversity governance, it is crucial that the key determinants of a stable ecosystem are safeguarded by	The link to chapter 5 (on futures) have been established. The definition of
Jetske Bouma	Ch.6	3	62			governments, and I think this should be specified.	the specific charachter of biodiversity and certain NCPs is made in chapter 1.
UNEP-WCMC: Elise							
Belle	Ch.6	3	62	134		A few sections are missing or are not final throughout the chapter.	They have now been written and included inthe chapter.
Hanna Skryhan	Ch.6	3	62	5	172	execytive summary is needed in the strong re-development after correction of the chapter	The excecutive summary has been substantially rewritten.
						The whole chapter is hard to read and to understand. Sentences are long, the language very scientic and "jargon". Rather than making sure that everything is scientifically correct and	
Friedrich Wulf	Ch.6	3	62	5	172	complete, efforts should be made that the messages are comprehensible and come across so policy makers can understand.	The text has been substantially revised and shortened.
		1					
							This is actually the case, it is important that the policy instruments are
Friedrich Wulf						The executive summary lists a number of different options for governance and explains that they all can work more or less under come circumstances. It does not set any prioriities and	adapted to the specific context to which they arebeing implemented. The
	Ch.6	3	62	5	172	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually shoudl be done.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.
Mark Rounsevell	Ch.6 Ch.6	3	62 63	5	172		adapted to the specific context to which they arebeing implemented. The
		3		5		this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive	adapted to the specific context to which they are being implemented. The text is intended to give options and opportunities for decisions makers.  Done
Mark Rounsevell PESC-4: Hanna Skryhan		3 3	62 63	5		this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually shoudl be done.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.
		3 3		5		this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.
PESC-4: Hanna Skryhan	Ch.6	3 3	63	5	171	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give
PESC-4: Hanna Skryhan PESC-4: Axel Paulsch		3 3 3		5	171	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.
PESC-4: Hanna Skryhan PESC-4: Axel Paulsch ECA values liaison	Ch.6	3 3 3	63	5	171	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions in the summary, so that they are picked up in the international political fora. Otherwise, CBD will struggle to guide its Parties' actions.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give options and opportunities for decisions makers, while not being prescriptive.
PESC-4: Hanna Skryhan PESC-4: Axel Paulsch	Ch.6	3 3 3	63	5	171	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions.	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give
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PESC-4: Hanna Skryhan  PESC-4: Axel Paulsch  ECA values liaison group  Finnish Government Mark Rounsevell PESC-4: Machteld Schoolenberg Markus Fischer Mark Rounsevell  Germany	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	3 3 3 3 3 3 3 3 3 3	63 63 75 777 80 808 838	5 5 3 3 3	171 171 79 82 89	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions in the summary, so that they are picked up in the international political fora. Otherwise, CBD will struggle to guide its Parties' actions.  To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values  Based on literature on adaptive governance and adaptive law, I'd add fifth aspect is to adjust decisions based on monitoring results (see amongst others DeCaro, D. A., B. C. Chaffin, E. Schlager, A. S. Garmestani, and J. B. Ruhl. 2017. Legal and institutional foundations of adaptive environmental governance. Ecology and Society 22(1):32 Legal and Institutional Foundations of Adaptive Environmental Governance. This fith aspect should then be addedd accordingly to other parts of the text.  Revised to avoid prescriptive language  Please clarify what is specific to the ECA region in this finding.  "win-win solutions" Why not "synergies"  Edited to simplify the message, and to avoid prescriptive language  This is a very important finding which has important repercussions. Are there more factors that come into play when trade-offs have to be evaluated than participatory approaches (which are definitely important in this context)?	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give options and opportunities for decisions makers, while not being prescriptive.  Done where relevant.  Thank you for the the comment. We think that it is more important that the feed back mechanisms are releted to the specific policies and not the mainstreaming process. We have elaborated on the role of adaptive and transformative governance in other sections (see eg. 6.6.).  Done  The excecutive summary has been substantially rewritten and made more ECA-specific.  The has been changed.  Done  There are more factors that come into play when trade.offs have to be evaluated. These are elaborated on in the individual sector analysis.
PESC-4: Hanna Skryhan  PESC-4: Axel Paulsch  ECA values liaison group  Finnish Government  Mark Rounsevell PESC-4: Machteld Schoolenberg  Markus Fischer  Mark Rounsevell	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	3 3 3 3 3 3 3 3 3 3 3	63 63 75 77 80 80 83 84	5 5 3 3 3 3	171 171 79 82 89	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions in the summary, so that they are picked up in the international political fora. Otherwise, CBD will struggle to guide its Parties' actions.  To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values  Based on literature on adaptive governance and adaptive law, I'd add fifth aspect is to adjust decisions based on monitoring results (see amongst others DeCaro, D. A., B. C. Chaffin, E. Schlager, A. S. Garmestani, and J. B. Ruhl. 2017. Legal and institutional foundations of adaptive environmental governance. Ecology and Society 22(1):32 Legal and Institutional Foundations of Adaptive Environmental Governance. This fith aspect should then be addedd accordingly to other parts of the text.  Revised to avoid prescriptive language  Please clarify what is specific to the ECA region in this finding.  "win-win solutions": Why not "synergies"  Edited to simplify the message, and to avoid prescriptive language  This is a very important finding which has important repercussions. Are there more factors that come into play when trade-offs have to be evaluated than participatory approaches (which are definitely important in this context)?  Not clear:between biodiversity and ecosystem services, among different ecosystem services and between biodiversity and human well-being?	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give options and opportunities for decisions makers, while not being prescriptive.  Done where relevant.  Thank you for the the comment. We think that it is more important that the feed back mechanisms are releted to the specific policies and not the mainstreaming process. We have elaborated on the role of adaptive and transformative governance in other sections (see eg. 6.6.)  Done  The executive summary has been substantially rewritten and made more ECA-specific.  The has been changed.  Done  There are more factors that come into play when trade.offs have to be evaluated. These are elaborated on in the individual sector analysis.  Text has been revised
PESC-4: Hanna Skryhan  PESC-4: Axel Paulsch  ECA values liaison group  Finnish Government  Mark Rounsevell  PESC-4: Machteid Schoolenberg  Markus Fischer  Mark Rounsevell  Germany  Markus Fischer	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	3 3 3 3 3 3 3 3 3 3 3 3 3 3	63 63 75 777 80 80 83 84	5 5 3 3 3 3	171 171 79 82 89	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions in the summary, so that they are picked up in the international political fora. Otherwise, CBD will struggle to guide its Parties' actions.  To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values  Based on literature on adaptive governance and adaptive law, I'd add fifth aspect is to adjust decisions based on monitoring results (see amongst others DeCaro, D. A., B. C. Chaffin, E. Schlager, A. S. Garmestani, and J. B. Ruhl. 2017. Legal and institutional foundations of adaptive environmental governance. Ecology and Society 22(1):32 Legal and Institutional Foundations of Adaptive Environmental Governance. This fith aspect should then be addedd accordingly to other parts of the text.  Revised to avoid prescriptive language  Please clarify what is specific to the ECA region in this finding.  "win-win solutions" Why not "synergies"  Edited to simplify the message, and to avoid prescriptive language  This is a very important finding which has important repercussions. Are there more factors that come into play when trade-offs have to be evaluated than participatory approaches (which are definitely important in this context)?	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give options and opportunities for decisions makers, while not being prescriptive.  Done where relevant.  Thank you for the the comment. We think that it is more important that the feed back mechanisms are releted to the specific policies and not the mainstreaming process. We have elaborated on the role of adaptive and transformative governance in other sections (see eg. 6.6.)  Done  The excecutive summary has been substantially rewritten and made more ECA-specific. The has been changed.  Done  There are more factors that come into play when trade.offs have to be evaluated. These are elaborated on in the individual sector analysis.  Text has been revised The text has been revised substantially.
PESC-4: Hanna Skryhan  PESC-4: Axel Paulsch  ECA values liaison group  Finnish Government  Mark Rounsevell  PESC-4: Machteid Schoolenberg  Markus Fischer  Mark Rounsevell  Germany  Markus Fischer	Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6 Ch.6	3 3 3 3 3 3 3 3 3 3 3 3	63 63 75 77 80 80 83 84	5 5 3 3 3 3	171 171 79 82 89	this lacks focus for the chapter to be helpful as guidance. There is no recommendation of what actually should be done.  Try to be a bit less prescriptive  The executive summary is right and good but contains too many generalities. More direction, guidance and hints for policy-makers should be provided to make the findings useful.  The messages in bold in the executive summary are statements but they do not provide a direction. With the perspective of the next CBD COP in 2018, there should be at least directions in the summary, so that they are picked up in the international political fora. Otherwise, CBD will struggle to guide its Parties' actions.  To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values  Based on literature on adaptive governance and adaptive law, I'd add fifth aspect is to adjust decisions based on monitoring results (see amongst others DeCaro, D. A., B. C. Chaffin, E. Schlager, A. S. Garmestani, and J. B. Ruhl. 2017. Legal and institutional foundations of adaptive environmental governance. Ecology and Society 22(1):32 Legal and Institutional Foundations of Adaptive Environmental Governance. This fith aspect should then be addedd accordingly to other parts of the text.  Revised to avoid prescriptive language  Please clarify what is specific to the ECA region in this finding.  "win-win solutions": Why not "synergies"  Edited to simplify the message, and to avoid prescriptive language  This is a very important finding which has important repercussions. Are there more factors that come into play when trade-offs have to be evaluated than participatory approaches (which are definitely important in this context)?  Not clear:between biodiversity and ecosystem services, among different ecosystem services and between biodiversity and human well-being?	adapted to the specific context to which they arebeing implemented. The text is intended to give options and opportunities for decisions makers.  Done  The text is intended to give options and opportunities for decisions makers.  In accordance with the scoping documents the text is intended to give options and opportunities for decisions makers, while not being prescriptive.  Done where relevant.  Thank you for the the comment. We think that it is more important that the feed back mechanisms are releted to the specific policies and not the mainstreaming process. We have elaborated on the role of adaptive and transformative governance in other sections (see eg. 6.6.)  Done  The executive summary has been substantially rewritten and made more ECA-specific.  The has been changed.  Done  There are more factors that come into play when trade.offs have to be evaluated. These are elaborated on in the individual sector analysis.  Text has been revised

UNITED 14/CN 4C ="	1	-					
UNEP-WCMC: Elise	Ch 6	2	92	3	92	"of ecosystems and the services they provide to human well-being."	The text has been revised
UNEP-WCMC: Elise	CII.O	3	92	3	92	or ecosystems and the services they provide to furnish were being.	THE CEACHIGS DECIT FEVISED
	Ch.6	3	102		102	"Pan-European Biological and Landscape Diversity Strategy"	The text has been revised.
						Please be more specific here. The differentiation into developed market economies vs. undeveloped seems not very useful here. How relevant are certification schemes in the different	We do not use the term undeveloped anymore. For the status in the
	Ch.6	3	127	4	138	ECA-subregions?	different subregions pelase see table 6.11 in the TOD.
UNEP-WCMC: Elise							
Belle C UNEP-WCMC: Elise	Ch.6	4	106	30	1004	Why using the upper case in 'Indigenous' throughout the document?	This has been changed.
	Ch.6	4	110	4	110	"are being increasingly implemented"	This has been changed.
	Ch.6	4	111	7	110	are the grant and a state of the state of th	recognition
							We have revised the relevant key message and we explicitly say that they
	Ch.6	4	118	4		Economic instruments can also be used to change the behaviour of public bodies, i.e. public procurement	aim also to change the behaviour of public actors.
	Ch.6	4	119	4	120	History and context of what exactly? Be more precise, please.	The text has been substantially revised.
UNEP-WCMC: Elise Belle C	Ch.6		129		420	No. of the state o	Political levels have been added
UNEP-WCMC: Elise	CII.0	4	129		129	"at the local, national, regional and international"	Political levels have been added
	Ch.6	4	138		138	Incomplete section.	The text has been revised
	Ch.6	5	151			Less prescriptive	The text has been revised
Mark Rounsevell C	Ch.6	5	152			Edited to be less prescriptive	Done
UNEP-WCMC: Elise							
	Ch.6	5	153	5	153	What do you mean by 'employ appropriate governmental levels'?	The text has been revised
UNEP-WCMC: Elise Belle	Ch.6	-	160		160	"large scale transboundary initiatives"	Text has been deleted
selle C	CII.0	3	100		100	large state transpoundary minutatives. Some countries might think that since there is no "one size fits all", then they cannot act. So when stating that, give also hints of what one should think about in order to design actions.	Text has been deleted
						relevant for one's own country. This could for example build on the "summary" subsections you made for sectors, or on the conclusions you made for different subregions. Hus showing	
PESC-4: Teuta Skorin C	Ch.6	5	163	5	171	the diversity of responses for different context. This should provide ideas for decision-makers to go further.	Thank you for the comment, the text
PESC-4: Zoi				_		When there is a gap, you could give an hypothetic example, not pointing to a specific country experience but still giving guidance. The style of the paragraph would be more encouraging	The assessment builds on availiable litterature and not hypothetical
	Ch.6	5	163	5	171	to act for the environment.	examples. When there is a knowledge gap it is highlighted in the text.
UNEP-WCMC: Elise	Ch.6	5	168		168	"among regional and international institutions"	The text has been revised
Delle	Ch.6	5	172		100	among regions in internation in stretchion in stretchion in stretchion in the stretchion in the stretchion in stre	This is what we intended and hope to have achieved.
						One or several key messages are missing pointing out the opportunities of various stkahelders/decision-makers for action.	The key messages have been updated and made more specific with this in
Markus Fischer C	Ch.6	5	172			And subregionla information would be valuable also in this context.	mind
UNEP-WCMC: Elise							
	Ch.6 Ch.6	5	172 175		172	Key messages still to be completed.	Done The reference has been added (see e.g. 6.3)
Jetske Bouma C	Ln.6	ь	1/5			Ecosystem services:from concept to practice (2015), Cambridge University Press (eds Bouma & Van Beukering)	We follow a slightly different approach to the term "mainstreaming
						mainstreaming biodiversity in the actions and activities of economic actors will only be possible if there is a very clear relation between biodiversity and the services it provides. This is	biodiversity", see SCBD 2011 Training module on Mainstreaming
						hardly the case at the moment: we are just starting to learn about the role of biodiversity in providing ecosystemn services. Hence we have to be realistic and conclude that at this stage	biodiversity. We think that mainstreaming biodiversity is not exclusively
						mainstreaimning the protection of biodiversity is highly unlikely, but mainstreaming the provisioning of certain ecosystem services (like recreation and landscape) could be an option - and this is also what we see happening.	possible only through the ecosystem services approach. We have now more
	Ch.6	6	175				explicitly defined mainstreaming in 6.1.
Olesya Petrovych C	Ch.6	6	175	17		Part 6.3 has its own introduction, and next subpart 6.3.1 has an introduction again. They can be deleted because the chapter's 6 introduction is enough.	The text has been shortned substantially.
							Webseld and the Polish and the desired and the second and the seco
							We have now improved the links to previous chapter throughout chapter 6, but feel that section 6.1 as the introduction to the chapter is not the right
							place to extensively relate back to previous chapters, especially given the
						'informed by findings of previous chapters". It would be very helpful to build much more explicitely on the findings arising from previous chapters. As it reads now, there are very few	needs to shorten the chapter. We have therefore deleted the rather generic
Germany C	Ch.6	6	176	6	180	explicit links to specific findings of other chapters. It seems that the results on the drivers of biodiversity loss identified in chapter 4 were not that well considered in the policy evaluation.	
							We have now improved the links to previous chapter throughout chapter 6,
							but feel that section 6.1 as the introduction to the chapter is not the right place to extensively relate back to previous chapters, especially given the
						It is essential to build specifically on chapter 4 and 5. So this one paragraph (even though it will be further cordinated and updated) is not sufficient for this purpose. Otherwise the	needs to shorten the chapter. We have therefore deleted the rather generic
Germany C	Ch.6	6	181	6		impression might be created that all the previous chapter were unneceessary for finding suitable policy options.	sentences and directly move into the objective of chapter 6.
			183	6	187	You can delete the description of what chapters 4 and 5 have done because this is not crucial information.	Done
	Ch.6	6		U		this paragraph should be deleted: it has not got sense and connections to the content of Ch.6	
Hanna Skryhan C	Ch.6	6 6	187	6			Done
Hanna Skryhan C		6 6		6		This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?	Done This general sentence has been deleted.
Hanna Skryhan C Germany C	Ch.6 Ch.6	6 6 6	187 204	6 6	205	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis,	This general sentence has been deleted.
Hanna Skryhan C Germany C	Ch.6	6 6 6	187	6 6 7		This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis,	
Hanna Skryhan C Germany C	Ch.6 Ch.6	6 6 6 7	187 204	6 6 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis,	This general sentence has been deleted.
Hanna Skryhan C Germany C	Ch.6 Ch.6	6 6 6 7	187 204	6 6	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in
Hanna Skryhan C Germany C Markus Fischer C	Ch.6 Ch.6 Ch.6	6 6 6	187 204 255	6 6 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments.
Hanna Skryhan C Germany C Markus Fischer C	Ch.6 Ch.6	6 6 7 7	187 204	6 6 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments. The latter is covered by next sections of ch. 6, specifically the sector analyses
Hanna Skryhan C Germany C Markus Fischer C  Jetske Bouma C	Ch.6 Ch.6 Ch.6	6 6 7 7	187 204 255 255	6 6 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know that evaluations are scarce, but some evaluations are available and could be used.	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments. The latter is covered by next sections of ch. 6, specifically the sector analyses We don't think that this expression is prescriptive, yet, we added a
Hanna Skryhan C Germany C Markus Fischer C  Jetske Bouma C Markus Fischer C	Ch.6 Ch.6 Ch.6 Ch.6	6 6 7 7	187 204 255 255 257	6 6 7 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know that evaluations are scarce, but some evaluations are available and could be used.  A bit prescriptive. May be "offer considerable potential for"	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments. The latter is covered by next sections of ch. 6, specifically the sector analyses We don't think that this expression is prescriptive, yet, we added a reference to substantiate it.
Hanna Skryhan C Germany C Markus Fischer C  Jetske Bouma C Markus Fischer C	Ch.6 Ch.6 Ch.6	6 6 7 7 7	187 204 255 255	6 6 7 7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know that evaluations are scarce, but some evaluations are available and could be used.	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments. The latter is covered by next sections of ch. 6, specifically the sector analyses We don't think that this expression is prescriptive, yet, we added a reference to substantiate it.  revised to sound less prescriptive
Hanna Skryhan C Germany C Markus Fischer C  Jetske Bouma C Markus Fischer C	Ch.6 Ch.6 Ch.6 Ch.6	6 6 7 7 7	187 204 255 255 257	7	205 256	This is a very general statement- is there really no difference between the ECA sub-regions? Shouldn't this chapter shed more light on this issue?  In this section you use a format as in the executive summary, with bold messages followed by supporting text. This should be changed to non-bold format without losing the emphasis, however.  the overview of instruments and approaches is fine and interesting, but what I miss is a more analytical approach: which policy options and approaches are useful for which types of ecosystem services (see also discussion about public good characteritics above) and what do we know already about the effectiveness and efficiency of the different approaches? I know that evaluations are scarce, but some evaluations are available and could be used.  A bit prescriptive. May be "offer considerable potential for"	This general sentence has been deleted.  Text has been reformatted and bold format removed.  Section 6.2 introduces the framework and important concepts used later in the chapter and does not aim at assessing different options or instruments. The latter is covered by next sections of ch. 6, specifically the sector analyses We don't think that this expression is prescriptive, yet, we added a reference to substantiate it.

Hanna Skryhan	Ch.6	8	295	9	296	repetition of the table?	We are not sure what you mean. In any case the format still needs to be adjusted, as the table unfortunately ran over a page break in the review version of the SOD.
Trainia Skryman	Cino	Ĭ	233		230	repetition of the code.	We have now deleted the "Instruments" row to avoid misunderstandings.
							These instruments simply indicated tendencies or typical instruments being
						Table 6.1. the table is a bit too simplified. i.e. Centralized goverance modes uses also other types of instruments than legislation, norms and standards. For instance economic	used in each of the governance modes. This does not mean other
Finnish Government	Ch.6	8	295	9	,	instruments like taxation are also often used in centralized governance.	instruments are excluded.
							This paragraph only served to explain in more detail the combination of
							various governance modes in practice. With some changes in the following
							text, it is now directly followed by references to EE and CA, therefore, the
Hanna Skryhan	Ch.6	9	297	9	308	strong bias to WE. EE & CA are missing totally	text is now more balanced.
							section on N2K and Emerald has now been moved to section 6.4 /
Germany	Ch.6	9	309	9	310	Shouldn't this refer back to the findings of chapter 3 - on status and trends? This would allow to get a better understanding of the nature of these improvements	conservation sector - there, we have referred back to findings of chapter 3
							As you do not explain why and into what direction you would like to see a
							re-writing, we could not address your concern. But the paragraph has now
Hanna Skryhan	Ch 6	٥	309	٥	320	need in full re-writing the paragraph	been revised/shortened.
	Ch.6	9	314	0		delete the sentence	not clear whywe have moved the paragraph to section 6.4
Hailia Skiyilali	CII.0	1	314		310	decide the definence	why do you think it is not suitable? In any case the section has now been
Hanna Skryhan	Ch.6	0	318	0	221	delete the text, it's not suitable here	revised.
PESC-4: Kristina	CII.0	9	310	9	321	Delete the text, it's not suitable here	reviseu.
	Ch.6		224	40	220		The other of the state of the s
Kujundzic	CII.0	9	321	10	329	Bionet is a good network in the Balkan that could be mentioned here: see for example https://www.giz.de/expertise/downloads/giz2016-en-orf-biodiversity-bionet.pdf	Thank you for this suggestion, included.
UNEP-WCMC: Elise	Ch. C			١			We now avoided the abbreviations, the typo was due to formatting the pdf,
Relle	Ln.6	10	295	11	296	Table 6.1, penultimate line: "Sub-national governements [] determined boundaries"	not caused by us.
	Ch.6	10	330		<del>                                     </del>	This seems to me to be a really important point. Should it form a key finding in the Executive Summary?	Institutional failures are mentioned in the executive summary.
	Ch.6	10	330			This seems to me to be a really important point. Should it form a key finding in the Executive Summary?	Institutional failures are mentioned in the executive summary.
	Ch.6	10	330	10	339	it makes the sense to analyse in the framework of the "implementation deficits concept"	we added implementation deficits to organisational failures.
Markus Fischer	Ch.6	10	340			Reword, as is sound sprescriptive	Rephrased.
						In figure 6.1., the arrangement of the blocks "Economic and financial instruments" and "Social and cultural instruments" should be changed, to make the visualisation consistent with the	
						text and with Figure 6.2. (i.e.: "Economic and financial instruments" should be placed left of "Social and cultural instruments"), otherwise the reader might wonder if this changed	
Sigrid Kusch	Ch.6	10	348	10	349	arrangement implies some sort of prioritisation.	done
							We included CBA as just one example, next to other policy support tools
						In Figure 6.1, cost-benefit analysis is a classical economics approach to valuation and does not do justice to other forms of economic valuation that is incorporated in ecosystem services.	aiming at non-monetary valuation approaches such as deliberative tools or
						Total Economic Value or TEV in my opinion would be a better valuation approach because next to use-values (market, avoidance costs, replacement costs) it also covers non-use values	multi-criteria decision analysis that are also included in the figure. TEV is
PESC-4: Jeroen Arends	Ch.6	10	348	11	351	(bequest values, existence values).	more a concept, not a concrete tool or methodology.
							This is simply too complex a suggestion to include in such a figure.
ECA values liaison							Reworded to "Biodiversity and ecosystem degradation" to avoid the term
group	Ch.6	10	349			Fig 6.1: adapt wording: "Biodiversity loss and degradation of NCP and GQL"; "Sustainable use of NCP"	"ecosystem services".
							These are just examples for policy support tools and not to followed up in
							detail specifically in this chapter. This chapter also does not follow up with
							field and remote sension monitoring, for example. Yet, we cover
							participatory approaches quite substantially. Therefore we chose to keep
Audun Ruud	Ch 6	11	350			The figure 6.1 on pages 10-11 is also very valid, but I am missing a follow-up for instance on participatory planning	the term as is.
Addull Kudu	CII.U	11	330			The rigure 0.1 on pages 10-11 is also very valid, but it and missing a follow-up for instance on participatory planning	tile terili as is.
							Three of these categories are quite common classifications in environmental
							policy analysis in several scientific disciplines (legal/regulatory; economci
							and financial; social and information-based instruments); The 3rd one
						The artificial nature of classifying instruments could be elaborated, i.e. taxes, trading schemes etc. Often require use of legislation. It should also be acknowledge that it it is extremely	(rights-based) refers to the special needs in relation to ILK in IPBES. We have
						difficult to assess and make general conclutions on the effectiveness/equity/effivieny of any given instrument category or a mix of instruments as ultimately they depend largely on	now included in the text that it is very difficult to make general conclusions
L				l	l .	instrument design. Therefore it would be nice to have conclusions on the key issues to be addressed in regulatory design and in making choices of instruments. i.e. it under which	on instruments categories or mixes of instruments. More detailed
Finnish Government	Ch.6	11	350	16	522	conditions different instruments work the best and which are the choice.	suggestions follow later in the text.
ECA values liaison					l		1.
group	Ch.6	11	353		ļ	To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	done
ECA values liaison					l		
group	Ch.6	11	354		<u> </u>	adapt wording "nature's contributions" instead of nature's benefits	done
ECA values liaison				l	1		
group	Ch.6	11	357		<u> </u>	adapt wording "advantages and disadvantages" instead of "costs and benefits"	done
		1			1		In this paragraph we specifically talk about assessing policy instruments and
				l	1		explain relevant policy assessment criteria. We do not talk about the much
					l		broader term "governance" in this context/paragraph, or the normative
Hanna Skryhan	Ch.6	11	363	11	374	the assessment of the policy options could be provided on the approach of the gap analysis or "good governance principles". Look at the respective aticles	concept of "good governance".
							we do not necessarily talk about benefits in relation nature's contributions
ECA values liaison				l	1		here; benefits can also relate to other benefits. So we chose to keep benefits
group	Ch.6	11	371		l	adapt wording "distribution of nature's contributions"	in this context.
r		1 1			1	· · · · · · · · · · · · · · · · · · ·	we do not think that this serves our purpose. We wanted to provide an
1				l	1		overview to readers about the various possible instruments belonging to
				12	276	delete the table, but to add in the beginning of each chapter the inventory of the policy instruments from the table 6.2	each category.
Hanna Skryhan	Ch 6	11	375				
Hanna Skryhan	Ch.6	11	375	12	3/0	decide the table, but to dad in the deginning of each enapter the inventory of the pointy individual from the table one	coen coregory.
Hanna Skryhan	Ch.6	11	375	12	3/6	detections and to do in the deginning or each endpect the interior for the point instruments from the table dis	
,	Ch.6	11	375		370		We find this a rather simple table just showing to unfamiliar readers what
Hanna Skryhan  PESC-4: Machteld Schoolenberg	Ch.6	11	375 375	12		This table could be simplified because it is too complicated for the reader. The chapter presents all these tools in detail, specifying which ones are more relevant for the ECA region.  Tables 6.1 covers already some of the instruments so those two tables could be merged.	

	1						_
						and the country of the country in th	
						see the concept of the regims interconnections (has sense to use the mentioned concept for this paragraph):  Harfst J., Wirth P. Structural change in former mining regions: problems, potentials and capacities in multi-level-governance systems. Regional Environmental Governance:	
						Interdisciplinary Perspectives, Theoretical Issues, Comparative Designs (REGov), 2011. Vol. 14. Pp. 167–176. http://www.sciencedirect.com/science/article/pii/\$18977042811002035.	
						Interdust, principles of the case of biodiversity and climate change // Global Environmental Change. 2004. Vol. 14. Pp. 107–170. 14. Pp. 107–1	
						Moss T. Solving Problems of 'Fit' at the Expense of Problems of 'Interplay'? The Spatial Reorganisation of Water Management following the EU Water Framework Directive. 2012. 22 p. http://www.irs-	
						net.de/download/workpaper3.pdf.	
						Nielsen H. O., Frederiksen P., Saarikoski H., Rytkönen A., Pedersen A. B. How different institutional arrangements promote integrated river basin management. Evidence from the Baltic Sea Region //	
						Land Use Policy. 2013. Vol. 30. Pp. 437–445.	
						Orsini A., Morin J. F., Young, O. Regime Complexes, a Buzz, a Boom or a Boost for Global Governance? // Global Governance/ 2013. Vol. 19. Pp. 27–39.  Repp A., Gaasch N., Hering D., Moss T., Naumann M., Sures B., Weith T. Ways of integrating water and land management at the urban rural interface // Urban Transformations: Cities and Water.	
						Proceedings of the 50th 150cAPP Congress, (Gdynia, Poland, 23–26 September 2014), Gdynia, 2014. Pp. 356-472. http://publ.ext.zalf.de/publications/18bc16b8-24f6-4f43-9f8c-f71d6s-5e7855.pdf.	
						Sandberg K., Hoffman S. J., Pearcey M. Lessons for Global Health from Global Environmental Governance. Centre on Global Health Security. 2015. 23 p.	
						https://www.chathamhouse.org/sites/files/chathamhouse/field/field_document/20150119GlobalHealthEnvironmentSandbergHoffman Pearcey.pdf. Дата доступа: 11.06.2016.	
						Urwin K., Jordan A. Does public policy support or undermine climate change adaptation? Exploring policy interplay across different scales of governance // Global Environmental Change. 2008. Vol. 18.	
						Pp. 180–191. Vatn A., Vedeld P. Fit, interplay, and scale: a diagnosis // Ecology and Society. 2012. Vol. 17(4): 12. http://dx.doi.org/10.5751/ES-05022-170412	
						vatin A., velectio P. r., interplay, and scale: a diagnost // Ecology and Society. 2012. Vol. 17(4): 12. http://dx.doi.org/10.1573/25-505022-170412 de Vos M. G., Janssen P. H. M., Kok M. T. J., Frantzi S., Dellas E., Pattberg P., Petersen A. C., Biermann F. Formalizing knowledge on international environmental regimes: A first step towards integrating	We expanded the paragraph and now also include relevant concepts of
						political science in integrated assessments of global environmental change. // Environmental Modelling & Software. 2013. Vol. 44. Pp. 101–112.	coordination between regimes, spatial fit and interplay. Yet, we only added
Hanna Skryhan	Ch.6	12	392	13	418		3 references, as the chapter needs to be shortened anyway.
	Ch.6	12	404			"looking at" or considering?	Rephrased.
	Ch.6	13	419	15	487	cut three time!	The box has been moved to section 6.6 and was shortened.
PESC-4: Machteld							
Schoolenberg	Ch.6	13	419	15		The case study on Norwegian fisheries takes a lot of space. It should be shortened to better fulfil its role as an informative box.	It has been shortened.
Hanna Skryhan ECA values liaison	Ch.6	13	499	13	502	the figure doesn't correspond with the its name: opportunities and constraints are not identified in the picture	Title has been revised
group	Ch.6	1/1	486			Table 6.3: adapt wording: "Biophysical ecosystem considerations"	Rephrased.
group	CII.0		400			Toure 0.05 adapt wording:	repinaseu.
						Please do provide the insights of chapter 4 here. Chapter 4 found that climate change is an important driver, which is not at all mentioned here. Land use change was identified as most	This is the framework section, we relate back but do not repeat the message
Germany	Ch.6	15	489	4	492	important driver in terms of impact.	here. To refer to the drivers is the task for the diffenret sector analysis.
							A relevant paragraph on these policy assessment criteria has now been
						This figure provides a useful framework. However, the actual "operationalization" remains not that explicit: In how far are linkages to drivers und underlying factors of biodiversity loss	moved right after the figure to provide a better link. We have tried to better
						(chap. 4) considered in the analyses? The analyses is based on the criteria: effectiveness, efficiency and equity, which seems to be appropriate. However, in the following sections it	link the sector analyses to the framework and assess policy instruments
Germany	Ch.6	15	499	15	502	would be very helpful is this structure in "effectiveness, efficiency and equity" could be made more explicit. That would allow readers to easier get inot the analyses of policy- instruments	
							We are sorry, but this suggestion is too complex to implement. Furthermore, the sector analyses have been based on this figure. If we
ECA values liaison						Figure 6.2: You might try to include value categories in this figure by assigning different sector activities to nature (biodiversity conservation), NCP (agriculture, forestry, fishery, energy	completely change it, we need to revise the whole analysis which is
group	Ch.6	15	499	15	501	and mining, manufacturing), GQL (health, education, tourism).	impossible at this stage.
						Figure 6.2 overall would benefit from some more explanation/discussion in the main text. As one example, the triade "Effectiveness, Efficiency, Equity" could be briefly discussed. In the	
Sigrid Kusch	Ch.6	15	501	15		present form, the figure is not fully integrated.	moved right after the figure to provide a better link.
						Given that it is difficult to find exclusive connections you might think of inserting the following text: "It is difficult to connect value types (anthropocentric and non-anthropocentric) to	
ECA values liaison group	Ch.6	15	503	16	522	specific policy instruments or governance modes. For example "legislation / command-and-control" can capture a wide range of values, including economic ones, e.g. through fines. On the other hand not all economic and financial instruments relate exclusively to monetary values derived by environmental / economic valuation methodologies"	Thank you for this suggestion, included.
	Ch.6	15	503	16		the other hand not an economic and manifest and established the other hand not an economic and manifest and the other hand not an economic valuation methodologies.  This text is introducing the next subsection but without linking it specifically to the leaf point of section 6.2, so this text could be removed.	Deleted.
1 ESC 4. Tedad Skomi	Cilio		505	10	JLL	here I would like to refer again to 'Ecosystem services- from concept to practice' specifically chapter 10 of Joyeeta Gupta, who considers the global governance of biodiversity and	
Jetske Bouma	Ch.6	17	523			ecosystem services, and discusses the difficulties of governing biodoiversity and ecosystem services internationally.	revision of the section.
						the chapter gives a broad overview of the many treatments and international agreements, but a) it is not really applied to Europe/Central asia and b) the reader is left with a feeling that	
						the chapter gives a lot of agreements but that it is unclear whether this is helping to protect biodiversity and ecosystem services provisioning. Could a discussion be added what the governments and the contract of the country of t	We agree that it is not clear in the text. We have developed the discussion
						problems in Europe/central asia really are? Is it the monitoring and enforcement of legislation, is it the lack of societal commitment and awareness, what are the issues that need to be	and concluded that the main problem is implementation and enforcement.
Labelia Danner	Ch 6	47	522			tackled first? Do we have issues with indigenous peoples in Europe or central asia? I thought this was more an issue in Africa/Latin America/South Asia	Issues regarding indigenous and local communities are important in Arctic
Jetske Bouma	CII.0	1/	523				Europe (Sami Council, RAIPON)
						As concepts suchs as regulation, governance, governance mode, mechanims, policy instruments etc. are often used differently consider adding a paragraph descriping how these	Section 6.2 serves as a theoretical framework where these concepts are
Finnish Government	Ch.6	17	524	18		concepts are understood in this report see good example in Romppanen Seita: New governance in context- evaluating the EU Biofules regime (2015, p. 68-69)	defined.
Hanna Skryhan	Ch.6	17	525	17	538	to cut!	Most of the text in the introduction is but the text is fine- tuned.
							This section is about global/regional/transboundary governence. The role of
Hanna Skryhan	Ch.6	18	566	21	/23	add the role of the states in the BES management	the states are elabotared on in the the following sections.
Hanna Skryhan	Ch.6	18	577	20	659	it is necessary to clear list of ICO and identification their role in the BES management. The paragraph is needed to cut. Exlude the information about WTO - it is not relevant to chapter. It has sense to divide the direct and indirect influence of ICO on BES management	Comment is unclear, but we have shortened the text on WTO to save space.
nama ski ynan	Cilio	10	5		033	The two sections on organizations feel a bit like an inventory of organizations. It would be nice if you could focus more on the dynamics that can be observed between the different sub-	commences undeal, but we have shortened the text on who to save space.
PESC-4: Machteld						regions in terms of governance through organizations (e.g. between organizations within or outside the E.U.), or the dynamics between countries within or outside of the organizations.	We have shorten the section and clarified the role of IGO in relation to
Schoolenberg	Ch.6	18	577	20	723	Now that you have this inventory of structures, see how they interact together and the patterns rising.	biodiversity and NCP.
PESC-4: Kristina						The first paragraph here presents IGOs with actions deploying worldwide. This could be cut short in order to focus on the work of intergovernmnetal regional organisations, such as the	
Kujundzic	Ch.6	18	578	18	602	Regional Cooperation Council (RCC) in the Soith-East Europe (SEE) region.	We have shorten the section and added informatin about SEE region.
Hanna Charter	Ch C	18	605	18		1 Carabban	We have shorten the section and added information about the Carpathian
Hanna Skryhan	Ch.6	18	605	18	605		region.
PESC-4: Axel Paulsch	Ch.6	19	624	20	659	The paragraphs on WTO do not relate specifically to the ECA region, and there is no conclusion tailored for the region. So we suggest to delete these paragraphs, or to analyze the implications of participating to WTA for ECA region, compared to other regions.	This part has been reduced substantially.
. Loc 4.7 Mei i duiseil		13	024	20	0.55	The second section of the second seco	There are so many INGOs why we only exemplify the most relevant for our
Hanna Skryhan	Ch.6	20	660	21	723	where is the list of INGO? The previous paragraph and this paragraph should be written the same way	region.

		1	1			1		Thank you for the comment. We have not been able to find any
PESC-4: Kristina Kujundzic	Ch.6	20	0	681	20	689	In Eastern Europe countries, there are "green chairs" in the parliament occupied by NGOs. This representation increases the quality of environmental governance. See for example the Green Chair used in Serbia. http://en.bfpe.org/events/green-chair-meeting-takes-place-in-the-national-assembly-on-24-june/	assessment.
UNEP-WCMC: The Biodiversity Indicators							Add citation from http://www.iucnredlist.org/about/citing.	
Partnership (BIP)	Ch.6	2:		296	21	29	6	This has been included
Thomas Brooks	Ch.6	2:	1	296	21	29	Add citation from http://www.iucnredlist.org/about/citing.	This has been included
UNEP-WCMC: The Biodiversity Indicators							Add citation to Dudley (2008); https://portals.iucn.org/library/node/44707.	
Partnership (BIP)	Ch.6	2:	1	297	21	29	7	More recent references has been added.
Thomas Brooks	Ch.6	2:		297	21	29	Add citation to Dudley (2008); https://portals.iucn.org/library/node/44707.	More recent references has been added.
UNEP-WCMC: Elise Belle	Ch.6	2:	1	694	21	694	"status with the UN Economic and"	Text has been revised
Thomas Brooks	Ch.6	2:	1	695	21	69:	IUCN is not an "INGO"; delete and replace with "international oraganisation". IUCN is governed half by governments, half by civil society (see https://www.iucn.org/about/union).	This is why we define it as a hybrid organization. See lines 690-694.
UNEP-WCMC: Elise	Ch.6	2.	1	696		604	5 "instruments have played an important role: the IUCN Red List"	accept ":" instead of "."
UNEP-WCMC: Elise Belle	Ch.6	2:		699				
Relie	Cn.6	Z.	1	699		695	You could add: "local communities, and privately managed protected areas."	OK to include "and privately managed protected areas."  No, we are not going to mention all countries, the countires appear on the
Germany	Ch.6	2:	1	702	21	708	here, it would be useful to be more specific- which ECA countries are included?	cited homepage.
								We have previously discussed the order of sections, but this fits best. We
Mark Rounsevell	Ch.6	2:	1	724			Should section 6.3.3 come after section 6.3.4, i.e. moving from the ECA region to the globe?	have however clarified the important role of the global level under 6.3.1.
								Due to limited space, unfortunately, we can not go into detail but have to rely on representative examples, as well as references to relevant websites and databases that show which countries have ratified different MEAs. A
Germany	Ch.6	2:	1	728	21	729	here, it would be useful to be more specific- which ECA countries/sub-regions are included?	table of the most significant conventions are to be found in an appendix.  The example relating to the EU has been deleted, while the text now relate
Germany	Ch.6	2:	2	725	23	740	what about non-EU countries?	to the whole ECA region.
								The text is based on an assessment on avaliable literature, which include e.g. gap analysis, therefore a special point of departure is not relevant. We must
Hanna Skryhan	Ch.6	2:	2	741	24	786	the paragraph should be write from the point of view of 'defecit implementation concept' or 'gap analysis'	also avoid prescriptivness.
Hanna Skryhan	Ch.6	22	2	741	24	786	It's reasonable to: - briefly review the documents - incert diagram reflected countries participation of the ECA countries in diffrenets conventions - analys the implementation of the documents - reasons of the poor implementation / enforcement of the documents - conclusions / recommendation for better (full) implementation of the documents	The text is based on an assessment on available literature, which include e.g. gap analysis, therefore a special point of departure is not relevant. We must also avoid prescriptivness.
PESC-4: Natalya Minchenko	Ch.6	2:	2	741	23	784	It would be great if you could discuss the reasons why a country ratifies - or not - an MEA.	This is done elswhere, see the introduction: "Since many natural resources are ecologically shared and many environmental problems have a global or transboundary nature, they can only be addressed effectively through different forms of international and/or regional cooperation". Specific reasons for a state not to ratify (after signing) a MEA may vary due to internal political affairs.
PESC-4: Kristina							To build on previous comment, we could look at the situation for the candidate countries for the E.U As part of the negotiation process (Chapter 27), there are incentives for candidate countries to enter MEAs and adopt laws favoring biodiversity. See for example here for Serbia: https://rs.boell.org/en/2017/01/25/chapter-27-serbia-still-under-construction GIZ Open Regional Fund for South-East Europe provides overall support to candidate and future candidate countries in SEE region to fulfil multilateral agreements requirement on	
Kujundzic	Ch.6	2:	2	741	23	784	biodiversity – first of all CBD.	We agree, and have included a sentence on this in 6.3.3.1.
Ilja Gasan Osojnik Črnivec	Ch.6	2:	3	785			Table 6.4 - suggested additions: The Cartagena Protocol on Biosafety (2000), The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization (2010),	Table 6.4 has been moved to appendix and provide examples of relevant international conventions.
Brendan Coolsaet	Ch.6	2:		785	24	70	CBD protocols (Cartagena & Nagoya) are missing from the table	Table 6.4 has been moved to appendix and provide examples of relevant international conventions.
Belgian government -	Ch.6	23	785	785	4	786	LBU Protocois (LaTragena & Nagoya) are missing from the table  CBD protocois (Cartagena & Nagoya) are missing from the table	international conventions.
Hilde Eggermont (IPBES National Focal								Table 6.4 has been moved to appendix and provide examples of relevant
Point)		_		_		ļ		international conventions.
ECA values liaison group	Ch 6	2:	3	785			Table 6.4: adapt wording "cultural and natural value" column "purpose"	This comment is unclear. "Purpose" relate to the convention's main aim.
Hanna Skryhan	Ch.6	2		785	24	786	Table 5.4. adapt wording cultura and natural value column purpose freplace the table 6.4 to the annexes	This has been done.
, man		2.			24	, 01	Table 6.4 could be in any other assessment related to other countries. With one column added for each of the other IPBES regional assessment, it could go in the global assessment. The paragraph above the table provides the important information (many countries are part of MEAs but these agreements lack enforcement). This information is good enough, and there is	
PESC-4: Axel Paulsch	Ch.6	2:	3	785	24	786	no need to use the table. Figures of the number of Member countries for ECA region could be inserted in brackets in the text. Alternatively, a graph with the number of countries who ratified each MEA, disagregated by subregions, would be more informative.	Thank you for the comment. The table has been removed to the annex in order to free space.
PESC-4: Jeroen Arends	Ch.6	2:	3	785	23	785	Table 6.4: Convention on Long-Range Transboundary Air Pollution should be added. It was signed on 1979-11-13 and entered into force on 1983-03-16. 51 parties including Europe and Central Asia.	Table 6.4 has been moved to appendix and provide examples of relevant international conventions.
	Ch.6	2		785	24		Bern convention is missing	OK to include, but into a new table with regional conventions.

						it's reasonable to:	
						- briefly review the documents	
						- incert diagram reflected countries participation of the ECA countries in diffrenets conventions	
						- analys the implementation of the documents	Table 6.5 (now 6.6) is removed to Appendix. There is not enough space to
						-reasons of the poor implementation / enforcement of the documents	review the implementation of regulations/directive in detail - and not the
Harris Charles	Ch C	24	787	27	882	- conclusions / recommendation for better (full) implementation of the documents	task either. We point generally to the assessment of implementation and
Hanna Skryhan Hanna Skryhan	Ch.6	24	787 791		002	- delete the table 6.5 repetition - replace to the paragraph with actors' description	enforcement evident from literature.  Unfortunatley we do not understand this comment.
UNEP-WCMC: Elise	CII.0	24	791	25	801	repetition - replace to the paragraph with actors description	offortunaties we do not understand this comment.
Belle	Ch.6	25	820	25	820	"World Commission on Protected Areas"	Text has been changed.
belie	Cino	- 23	020		020	Wind Commission on Totalea Triad	Text has been enanged.
							We mention a few under the revised section 6.3.3.2, see also the new table
Germany	Ch.6	25	823	25	823	Is there a section on non-EU environmental law? If not, why not?	6.5. However, there are fewer MEAs outside EU and Europé.
,						Table 6.5: Please consider adding "Resource Efficiency" as a seperate topic to the list of topics. This would contain the Roadmap to a Resource Efficient Europe (this does not only focus	The table comes from an EU web-page and is borrowed, and contains a
Sigrid Kusch	Ch.6	27	881	27		on land and soil). The Circular Economy Package adopted in 2015 could be listed specifically.	selection of topics.
UNEP-WCMC: Elise							
Belle	Ch.6	27	881	29	948	Some incomplete/missing sections.	This section has been amended
Finnish Government	Ch.6	27	881			MSFD also includes biodiversity elements	We agree, the text has been revised.
						Soft law instruments are introduced in the Balkan region by development agencies such as ADA, SIDA, GIZ The organisations are also working on capacity-building around these	
PESC-4: Kristina						instruments. See for example the BIMR regional platform and the Open Regional Funds for South-East Europe Biodiversity. https://www.giz.de/expertise/downloads/giz2016-en-orf-	
Kujundzic	Ch.6	27	883	28		biodiversity-bimr.pdf	We have elaborated on the role of soft law instruments in section 6.3.2
PESC-4: Teuta Skorin	Ch.6	27	883	31	1072	Sections 6.3.3.4 to 6.3.3.7 are very general. Since they are still under development, it would be great if they could focus much more on ECA subregions.	The text has been developed and made more ECA-specific.
						need in the significant re-development: briefly dicribe the documents regulated soft documents, explain how they work, analysis why and where they do not work, conclude which	L
Hanna Skryhan	Ch.6	27	884	28	914	conditions lead to efficient implemetation and enforcement	The text has been substantially revised.
Harris Charles	Ch.6	28	046	28	044	need in the significant re-development: the env. Rights should be described through documents where they established, analysis of the good and bad implementation and	This was a back as a date of Andrews Colored to the
Hanna Skryhan	CII.b	28	916	28	944	recommendations for policy-makers	This section has been updated. And IPBES should not be policy prescriptive!
PESC-4: Hanna Skryhan	Ch.6	29	945	30	1000	To make it more specific to the ECA region, you could focus this section on indigenous people in Russia, Roma, Gipsies, Samis, Basques	The text has been substantially revised.
PESC-4: Machteld	CII.0	29	945	30	1009	In the surface and papers mentioned in this subsection on ILK build on cases from the ECA region, you are they from cases in other regions? In that case, the conclusions might not be be sources and papers mentioned in this subsection on ILK build on cases from the ECA region, or are they from cases in other regions? In that case, the conclusions might not be	The text has been substantially revised.
Schoolenberg	Ch.6	29	945	30	1000	relevant for ECA. Suggestion to discuss data availability here.	The data builds on research from the ECA region
Schoolenberg	CII.U	23	545	30	1003	Section 6.3.50 on IPLCs can be shortened, and completed with information specifically relevant for ECA. See for example: Mónica Hernández-Morcillo , Janis Hoberg , Elisa Oteros-Rozas ,	The data ballus of research from the ECA region
						Tobias Plieninger, Erik Gómez-Baggethun & Victoria Reyes-Garcia (2014) Traditional Ecological Rowledge in Europe: Status Quo and Insights for the Environmental Policy Agenda,	
						Environment: Science and Policy for Sustainable Development, 56:1, 3-17, DOI: 10.1080/00139157.2014.861673	Thank you for the reference, it is included. This subchapter has been totally
PESC-4: Axel Paulsch	Ch.6	29	945	30	1009	Link to this article: http://dx.doi.org/10.1080/00139157.2014.861673	re-arranged.
						***	This subchapter has been totally re-arranged. However, a prescriptive
Hanna Skryhan	Ch.6	29	946	30	1009	need in the significant re-development. Add the analysis of the ECA sub-regions, add the conclusions, knowledge and policy gaps and make advices / recommendations for policy-makers	language are to be avioded.
ECA values liaison							
group	Ch.6	29	970			adapt wording "relational and instrumental calues" instead of benefits	"Benefit is not used in section"
UNEP-WCMC: Elise							
Belle	Ch.6	29	985	29	985	You could say a bit more about the WPC in Sydney in relation to indigenous people.	Information on the two WPCs are shortened.
UNEP-WCMC: Elise							
Belle	Ch.6	30	1003	30	1003	"room for manoeuvre"	Text has been revised
Hanna Skryhan	Ch 6	20	1011	24	4072	only 'common places'. Add the list of the instruments, analysis of their development in the ECA sub-regions, analysis of their efficiency, knowledge and policy gaps and what need to be	Rewritten.Text has been rewritten .
	Ch.6	31	1011	31		done next What about EE. CA?	Text has bee revised to be more ECA-specific
PESC-4: Machteld	CII.0	31	1052	31	1055	winar about Ec. Ox.  This paragraph could be included under 6.5.3, since it also relates to governance of fisheries. Similarly, other sector-specific pieces of information are scattered across the chapter and it	The whole chapter has been rewritten and substantially shortned with the
Schoolenberg	Ch.6	31	1057	31	1072	ms paragraph out included in interest of portraining of interest of interest of portraining of interes	content of this comment in focus.
Schoolenberg	CII.O	31	1037	- 31	1072	would be fine to buildle their in the section specific sections druce 6.5, in order to improve the readability or this chapter.	content of this comment in locas.
							The title here has been changed to " Groundwater and freshwater
							degradation and restoration". As now pointed out at the start of this section
							"For responses to transboundary environmental challenges related to land
							degradation, we refer to the global IPBES Assessment on Land Degradation
							in particular chapters 6 and 8 and the recently published reports of the
							Economics of Land Degradation Initiative (Quillérou et al., 2016). One
							regional report of the latter initiative has been dedicated to a synthesis of
Germany	Ch.6	32	1082	34	1166	Though this section is entitled Terrestrial and freshwater degradation and restoration there is relatively little information on terresstrial issues- what is the reason for this imbalance?	national studies in Central Asia (ELD Initiative, 2015a)."
							As now pointed out at the start of this section "For responses to
							transboundary environmental challenges related to land degradation, we
							refer to the global IPBES Assessment on Land Degradation in particular
							chapters 6 and 8 and the recently published reports of the Economics of
							Land Degradation Initiative (Quillérou et al., 2016). One regional report of
						land degradation is not only about soil! It has sense to make inventory of the transboundary env challenges within ECA and review of legislative / regulative documents to deal with	the latter initiative has been dedicated to a synthesis of national studies in
Hanna Skryhan	Ch.6	32	1083	32	1098	mentioned transboundary issues. Land degradation is about landscapes and ecosystems	Central Asia (ELD Initiative, 2015a)."
	Cl. C					This statement is judgemental. Please revise this sentence, for instance as follows: "The Commission decided to withdraw the proposal for a Soil Framework Directive in 2014 because a	c
Germany	Ch.6	32	1091	32	1094	qualified majority in the Council in its favour was not achieved."	Sentence removed
Hanna Skryhan	Ch.6	32	1100	20	1319	it has sense to write the paragraph according to the indentified transboundary problems (documents + cooperation + results + analysis and conclusions + knowledge and policy gaps + next steps)	Following previous review this was the format agreed upon. Also text has has now been greatly reduced.
	Ch.6	32	1100	38	-0-0	next steps) This text is repeated in line 1260-1270, almost word for word.	True. The first six lines under 6.3.4.1.4 will be deleted.
	Ch.6	32	1100	34		This text is repeated in line 1200-1270, almost word for word.  Why only water issues are covered here?	Many of the transboundary legal instruments focus on water
aii Governmellt		32	1100	34	1100	tring only make issues are considerable.	many or the transpoundary regarinstruments rocus on water

		1					
PESC-4: Arevik Mkrtchyan	Ch.6	32	1109	33	1130	Southern Caucasus countries have signed conventions on watershed management, and there are reports from the E.U. assessing their efficiency. See references:  1. UNECE (United Nations Economic Commission for Europe). 2011. "Second Assessment of Transboundary Rivers, Lakes, and Groundwaters". Convention on the Protection and Use of Transboundary Watercourses and International Lakes.  2.Yu, Winston; Cestti, Rita A.; Lee, Ju Young. 2015. Toward Integrated Water Resources Management in Armenia. Directions in Development—Countries and Regions;. Washington, DC: World Bank. © World Bank. https://openknowledge.worldbank.org/handle/10986/20459 License: CC BY 3.0 IGO."  3. EU project reports "Trans-boundary Management of Kura River - Phase II, Armenia, Azerbaijan and Georgia/2013	The southern caucasus coumtires are not mentioned in the text along with the first reference. We have added "Southern Caucasus countries have also signed conventions on watershed management, and while a report from the E noted that that focus on integrated water resource management is not generally applied in the Caucasus, the water sectors in many of the countries are undergoing reform and new legislative water codes have been developed (UNECE, 2011)."
PESC-4: Machteld						It seems that we do not need the full Table 6.6 since the text above already covers several examples. However, it would be nice to elaborate further in the text, through a synthesis of the	The text has been reduced and also now rely on table to save space as
Schoolenberg	Ch.6	35	1246	37	1248	findings shown in the table.	chapter was too long.
Hanna Skryhan	Ch.6	36	1246	37	1248	delete the table 6.6	We had agreed to summarize the Mongolia-Russia-China bilateral agreements related to water management and nature conservation relevant to transboundary Amur River basin in a table rather than in text and this we did. Now people want to remove it again. I will leave this up to chapeter edtors to decide.
UK: Karsten Schonrogge	Ch.6	37	868	39	869	This comment might be entirely inappropriate, but the statements in table SPM 2 could acknowledge the drivers of change in forest environment to then present options to govern NCPs. For example pests/pathogens and/or climate change affect choices we make and NCPs in some cases at continental scales (Ash dieback, Dutch Elm Disease, Chestnut Blight to name a few). Examples where such links could be included: "Promoting policy integration with related polices (e.g. agriculture, energy, conservation)" use the EU regulation on invasive species as an example; "Stimulating the establishment and implementation of nationwide Forest Programmes" one could add "to future proof forests" or "increase the resilience of national forests"	Thank you for the comment. Table SPM2 has been substantially revised and focus in particular on mainstreaming of biodiversity and NCP.
	Ch.6	37	1261	37	1265	repetition - see page 32, line 1101ff	True. The first six lines under 6.3.4.1.4 will be deleted.
UNEP-WCMC: Elise							
Belle	Ch.6	37	1282	37		"the Silk Road Economic Belt, China launched a new"	Changed as suggested
UNEP-WCMC: Elise	Ch 6	38	1285	38	1200	"tool to prevent the degradation of the most valued"	Channel or supported
UNEP-WCMC: Elise	CII.0	38	1285	38	1286	toon to prevent the degradation of the most valued	Changed as suggested
Belle	Ch.6	38	1286		1287	Complete references '(IUCN, CBD)'. "Examples include the Sino-Russian"	Done
ECA values liaison		50					
group	Ch.6	38	1286			adapt wording "most important and vulnerable ecosystems"	Adapted as suggested
UNEP-WCMC: Elise	Ch 6	38	1290		1200	"bi-lateral or tri-lateral programs"	"D: and to lateral according" years
ECA values liaison	Cn.6	38	1290		1290	Di-lateral or tri-lateral programs	"Bi- and tri-lateral programs" used  Added line "It should also be noted that with integrated valuation, potential
group	Ch.6	38	1295	38	1297	ELD focusses on economic valuation. Include a phrase emphasising that with a integrated valuation potential trade-offs and power relations can be made more visible	trade-offs and power relations can be made more visible."
Hens Runhaar	Ch 6	38	1306	38		This statement needs to be underpinned with evidence or references or nuanced	Change to "at unfortunate locations where they cause huge damage "
The Netherlands:	CII.0	58	1306	38	1308	ins satement needs to be underprinted with evidence of references of rounted	change to at uniortunate locations where they cause huge damage "
Astrid Hilgers	Ch.6	38	1306	38	1308	This statement needs to be underpinned with evidence or references or nuanced	Change to "at unfortunate locations where they cause huge damage "
UNEP-WCMC: Elise Belle	Ch.6	38	1312			Delete from text and update references.	Contains has been should
belle	CII.0	38	1512		1319	Delete from text and update references. It has sense to write the paragraph according to the indentified transboundary problems (documents + cooperation + results + analysis and conclusions + knowledge and policy gaps + it has sense to write the paragraph according to the indentified transboundary problems (documents + cooperation + results + analysis and conclusions + knowledge and policy gaps +	Sentence has been changed.
Hanna Skryhan	Ch 6	38	1322	43	1/10	delete the table 6.7, figure 6.3, table 6.8	Text has been greatly reduced. Conventions have been summarized into tables but figure 6.3 has been kept.
manna skiyilali	CII.U	36	1322	43	1430	persecute to toute 0.0, right e 0.0, toute 0.0	Ramsar convention added. Bonn convention is much braoder than marine
Olesya Petrovych	Ch.6	39	1358	40	1250	Subpart 6.3.4.2 doesn't only concern the marine system, but also the coastal ecosystems. Thefore table 6.7, for example, lacks points on Ramsar and Bonne conventions. Considerable parts of coastal areas and shallow waters have the status of Ramsar Sites and are characterised by high level of migratory species.	or coastal . It refers to Conservation of all Migratory Species of Wild Animals so not included here.
Giesya Feti OVYCII	CII.U	39	1338	40	1339	parts or coastal areas and snailow waters nave the status or kanasar sites and are characterised by right level or ingratory species.  Table 6.7 repeats information that is already included in the paragraph so this not necessary to have the table here. It could be put in an annex for example. Same for table 6.8. This is	30 HOL HICIAGEO HETE.
PESC-4: Teuta Skorin	Ch.6	39	1358	40	1359	easier for the reader to make the connection between the development and conclusion if the text is condensed and not interrupted with tables.	Suggestion: delete table 6.7 but keep table 6.8
Finnish Government	Ch.6	39	1358			Birds and Habitats directives also includes marine elements	With table 6.7 deleted this is not a problem
PESC-4: Hanna Skryhan	Ch.6	40	1367	40	1370	This map should be in Chapter 2 or 3 of the assessment. Why is it inserted here? The chapter is on instruments so this is confusing to have the map. Otherwise, explain better in the text how using this map makes it a policy instrument.	It is relevent here. Adjusted txt to read "The regional seas conventions have demonstrated that it is possible to develop an integrated ecosystem assessment on a regional scale. HELCOM (2010) for example achieved this under the Helsinki Convention by harmonising and combining maps of ecosystem features with maps of pressures resulting from human activities in a combined spatial analysis that crosses national juristictions. This allowed for a spatial description of the relative impacts of human activities across the Baltic Sea (Figure 6.3). "
	Ch.6	40	1367			Perhaps there could be used the information of the latest version of HELCOM HOLAS II ?	We decided to stick to this version
Hens Runhaar	Ch.6	42	1408	42	1419	Companies may also employ instruments other than eco-labels, e.g. green procurement (see Runhaar 2016, already in the references). About eco-labels for marine protection, mixed findings are reported regarding their quality and impact; see e.g. Jacquet, J.L., Pauly, D., 2007. The rise of seafood awareness campaigns in an era of collapsing fisheries. Mar. Policy 31 (3), 308–313. https://jenniferjacquet.files.wordpress.com/2007/01/jacquetpauly2007_marpol.pdf	Text added "Companies may also employ instruments other than eco-labels such as green procurement (Runhaar 2016)".
The Netherlands:	- 17	-72	1400	-72	1413	Companies may also employ instruments other than eco-labels, e.g. green procurement (see Runhaar 2016). About eco-labels for marine protection, mixed findings are reported regarding their quality and impact; see e.g. Jacquet, J.L., Pauly, D., 2007. The rise of seafood awareness campaigns in an era of collapsing	
Astrid Hilgers	Ch.6	42	1408	42	1419	regarding tiert updaty and impact, see e.g. ractuet, i.e., radity, 0., 2007. The rise of searood awareness campagits in an era of companing fisheries. Many 3,08–313.	See above (identical review comment).
ECA values liaison	-			, ,,,			Both the integration of economic and biophylsical ecosystem service
group	Ch.6	42	1421			Specify which type of valuation is meant (economic, biophysical,) and how a integrated valuation might contribute/hinder policy formation	valuation into marine policy formation.
						Line 1461 "control of IAS is complex and difficult to handle with legal instruments"> is this indeed the case? Or are we just lacking legal instruments, or is it difficult to handle with legal	
Germany	Ch.6	43	1460	43	1/161	instruments alone? Please revise the sentence. There are studies showing that countries where efficient legal instruments are in place, the invasion rate dropped, at least for some species groups (see Seebens et al. 2017, for example).	Wording has been improved
ocimany	CII.U	43	1400	43	1401	эревно втоира (вее весиета ес ат. 2017, пот ехаптрие).	wording has been improved

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Hanna Skryhan	Ch.6	43	1460	46	1562	delete the text	This introductory descriptive text on IAS is essential as the following text builds on it. In addition, it will be referred to in Chapter 3. The definition of IAS and its complexity is not occurring anywhere else in the ECA Assessment.
PESC-4: Arevik Mkrtchyan	Ch.6	43	1460	45	1511	The text mentions examples of species being introduced but not all of them have a negative impact and this ambiguity could be better reflected in the assessment. When there is a case of deliberated introduction of a non-native species, it would be good for IPBES to provide guidance on how to deal with the issue at the national level. In Armenia for example, see Republic of Armenia, First National Report to The Convention on Biological Diversity, 1999, incorporating A Country Study on the Biodiversity of Armenia: "Most introductions were non-accidental, and include species with economic (agricultural, fisheries, hunting, medical, or technical) or aesthetic value. For instance, American and Canadian popars have been imported to grow on saline lands, pink geranium is grown for its essential oil, and sweet flag (Acorus) from India and China, has been grown since Medieval times. However, a number of species appear to have been introduced accidentally, and many of these prove damaging to both natural ecosystems and agricultural lands (such as Colorado beetles, and Asian grasshoppent). Among the most aggressive invasive plant species are Xanthium, Cirsium, and Galinsoga parvillora, while womowood ambrosia (Ambrosia atremiseifolia) has expanded its distribution by over 200km2 within the last decade. Armenia's fisheries have been supported by the introduction of a range of fish species since the 1920s (see Section 2.5.2), and such species now represent the most productive fish in lake Sevan. However, their interaction with native fish is not well understood. However, the introduction of goldfish (Carassius auratus) to the lake resulted in increasing populations, and high levels of competition with native fish species. River carylish have also spread dramatically in take Sevan since their introduction in the 1980s."	This text has been removed as another review highlighted we should be just dealing with political aspects here and not getting to the detail of particular species
Harris Charles	Ch C	46	4554	47	4640	to cut	This treat is a second to a discrete CO
Hanna Skryhan Hens Runhaar	Ch.6	48	1564 1652	47	1618	clearly describe the documents acting in the ECA sub-regions and the main statements in regards to alien species  Another problem is a lack of public support for eradication; see e.g. Genovesi P (2011) Are we turning the tide? Eradications in times of crisis: how the global community is responding to biological invasions. Pages 5–8.  In: Veltch C, Clout MN, Towns DR (eds) Island invasives: eradication and management.  ILCN, Gland, Switzerland (https://www.researchgate.net/publication/233755935_Are_we_turning_the_tide_Eradications_in_times_of_crisis_how_the_global_community_is_responding_to_biological_invasions) or Vane, M. and H. Runhaar (2016), Public support for invasive alien species eradication programmes: insights from the Netherlands, Restoration Ecology, 24 (6), pp. 743-748 (http://onlinelibrary.wiley.com/doi/10.1111/rec.12379/abstract). Another problem is a lack of public support for eradication; see e.g. Genovesi P (2011) Are we turning the tide? Eradications in times of crisis: how	
The Netherlands:						In: Veitch C, Clout MN, Towns DR (eds) Island invasions. Pages 5–8.  In: Veitch C, Clout MN, Towns DR (eds) Island invasions and management. IUCN, Gland, Switzerland or Vane, M. and H. Runhaar (2016), Public support for invasive alien species eradication programmes: insights from the Netherlands, Restoration	
Astrid Hilgers	Ch.6	48	1652	48	1665	Ecology, 24 (6), pp. 743-748.	See above (identical review comment).
Finnish Government	Ch.6	48	1652	48	1666	Consider adding the shortage of the EU reg. On IAS as a problem  Would it not be more logical to have this chapter before the chapters on policy options and international agreements? You could then cluster the problems/issues/policy approaches in	
						Europe/central asia and discuss the relevant governance problem/issues first, and then reflect on the role of the different policy approaches and potential role of international	to keep th ecurrent disposition since the global and transboundary
Jetske Bouma  Jetske Bouma	Ch.6	49	1692 1692			agreements for tackling them. It would help in making the chapter less descriptive and more focused, I think.  I am happy to see that this paragraph actually discusses the governance problems, but what I miss is a discussion of potential solutions: monitoring and enforcement is made easier through remote sensing, how is this used in Europe/central asia, what is needed to scale successfull examples up? Financing biodiversity management is an issue: what approaches have proven effective in generating type reuired finances, how can we collaborate internationally etc etc. Now, some of the solutions/potential mechanisms are discussed in paragraph 6.2 and the problems in paragraph 6.4	revisions to the entire chapter, more obvious: Section 6.2 Introduces governance approaches and policy instruments in generic terms, Sections 6.4 and 6.5 identify existing approaches in the various sectors, and the constraints and opportunities that emerge, and Section 6.6 summarises and expands on the main opportunities across all sectors to avoid repetition.
Jetske Bouma	Ch.6	49	1692			environmental fiscal reform? This is not so easy when considering biodiversity management, and it remains unclear what the authors have in mind. Land based taxes? That could be an option (see our recent PBL study about this) but in order to make this effective for sustainable land use and biodiversity protexctuion well implemented land governance policies are required as well.	See previous comment for overall argument. Note that this particular section is actually not about biodiversity management (which is addressed in the preceding section). However, also in this section EFR is critically discussed in Section 6.4.2.3
Audun Ruud	Ch.6	49	1692			There is a lot of very valid references throughout the chapter, but the 6.4 is relatively speaking weak even in the developed section 6.4.2	I have added eight more references to the section (a couple of them twice), and reviewed a number of additional ones (but didn't include them as they did not add anything). Section 6.4.2 now has approx 62 different references (some of them mentioned multiple times) on 8 pages, which should be sufficient.
Hanna Skryhan	Ch.6	49	1699	51	1796	need to re-development. Need in the analysis. The analysis could be used the concept of the regimes and their interaction. Look comment 108. We analysed regimes for Ukraine Carpathians Институциональное взаимодействие режимов на местном уровне: возможна ли синергия? Управление биоразнооб-разием и землепользованием в Черногорахіп Применение метода кейсов в комплексных социально-экологических исследованиях. Под общей редакцией О.В. Лихачевой, А.Ю. Скриган и А.Д. Шкарубо, Псков, 2017 I сап provide summary in English.	This comment was very unclear and has not been addressed. However, see other reviewers' suggestions below to include references to RCC and REC this might help to address this comment here, too.

FCA Parkers		1					1
ECA values liaison group	Ch.6	50	1724			adapt wording "value systems" instead of "values"	Done
ECA values liaison							
group	Ch.6	50	1754			adapt wording "nature's contributions" instead of nature's benefits	Done
ECA values liaison group	Ch.6	50	1756			adapt wording "illustrated the advantages"	Revisited and considered, but not changed
PESC-4: Kristina Kujundzic	Ch.6	51	1771	51	1796	The Regional Cooperation Council (RCC) is missing in the key environmental policies for the Balkan region. See SEE 2020 Programming Document 2017-2019 e.g. Action 1 on responding to environmental challenges (http://www.rcc.int/files/user/docs/SEE_2020_Programming_document_2017-2019.pdf) and SEE 2020 Strategy, especially Dimension J on Environment (http://www.rcc.int/files/user/docs/reports/SEE2020-Strategy.pdf)	Thanks for the references - I have now reviewed this but environmental aspects seemed to play a rather minor role (e.g., the quoted Action 1 has a budget of 120 K EUR across all SEE countries). From a strategy paper such as this (that doesn't offer further analysis) it is also difficult to judge what the context and the impacts really are. I googled for more information and found on the RCC's own website a statement that this is really largely about ICT, economic connections and road networks (while considering environmental priorities). I'm sure this could be a good example for mainstreaming environmental considerations but am reluctant to present it as such in the absence of further information. The same holds for the second document suggested.
PESC-4: Jeroen Arends	Ch.6	51	1771	51	1796	The Regional Environmental Center for Eastern Europe and Central Asia (REC) could be mentioned here. It is an intergovernmental organization (Japan, Sweden, US, etc.) very active in the region when it comes to the environment and biodiversity, etc.; www.rec.org	Thank you - I have now reviewed a number of REC reports available on the website, and incorporated two of them as references in 6.4.2.3
Germany	Ch.6	51	1775	51	1776	This is a very interesting and potentially very important finding- is there more evidence than just a "perception"?	More references included after some more specific literature search, and the phrasing has been edited accordingly.
Hanna Skryhan	Ch.6	51	1798	53	1876	content of the paragraph doesn't correspond to its title. Content now is only common places. Need in the analysis in regard to ECA sub-regions of the policy instruments, gaps and recommendations  Also a growing number and variety of governance modes can be observed in the governance of agrobiodiversity (i.e. species abundance and diversity in the agricultural landscape; see	I am sorry that the findings of this subsection turn out to be commonplace this might be a result of the extremely wideranging remit and coverage of the overall section. However, this subsection does make references to specific subregions and countries so the 2nd part of the comment seems unwarranted.
Hens Runhaar	Ch.6	52	1817	52	1817	eg. Runhaar, H.A.C., Th.C.P. Melman, F.G. Boonstra, J.W. Erisman, L.G., Horlings, G.R. de Snoo, C.J.A.M. Termeer, M.J. Wassen, J. Westerink and B.J.M. Arts (2017), Promoting nature conservation by Dutch farmers: a governance perspective, International Journal of Agricultural Sustainability, 15 (3), pp. 264–281. http://www.tandfonline.com/doi/full/10.1080/14735903.2016.1232015?scroll=top&needAccess=true	This comment refers to agricultural policies (see Section 6.5) and has been passed on to Riccardo Simoncini.
The Netherlands:	Ch C	53	1017		1817	Also a growing number and variety of governance modes can be observed in the governance of agrobiodiversity (i.e. species abundance and diversity in the agricultural landscape; see e.g. Runhaar, H.A.C., Th.C.P. Melman, F.G. Boonstra, J.W. Erisman, L.G., Horlings, G.R. de Snoo, C.J.A.M. Termeer, M.J. Wassen, J. Westerink and B.J.M. Arts (2017), Promoting nature conservation by Dutch farmers: a governance perspective, International Journal of Agricultural Sustainability, 15 (3), pp. 264–281.	As above
Astrid Hilgers	CII.6	52	1817	52	101/		Where this made sense, changes to the preceding sections have indeed
Hanna Skryhan	Ch.6	53	1878	57	2057	re-development, add and correct in regards to changes in the previous paragraphs	been applied to the following sections, too.
Hens Runhaar	Ch.6	53	1881	53	1882	In the above reference (Runhaar et al. 2017) 10 distinct public andprivate governance arrangements for agrobiodiversity were evaluated. The focus was on the Nethelrands but many of the governance arrangements are found elsewhere in the EU. The limited effectiveness was explained by two factors: one, nature conservation by farmers is too voluntary (think of participation in AES) and two, renumerations are too low (instead of being compensated for extra costs or forgone income, farmers should be more generously rewarded for taking nature conservation measures in their fields)	This comment refers to agricultural policies (see Section 6.5) and has been passed on to Riccardo Simoncini.
The Netherlands: Astrid Hilgers	Ch.6	53	1881	53	1882	in the above reference (Runhaar et al. 2017) 10 distinct public andprivate governance arrangements for agrobiodiversity were evaluated. The focus was on the Nethelrands but many of the governance arrangements are found elsewhere in the EU. The limited effectiveness was explained by two factors: one, nature conservation by farmers is too voluntary (think of participation in AES) and two, renumerations are too low (instead of being compensated for extra costs or forgone income, farmers should be more generously rewarded for taking nature conservation measures in their fields)	As above
PESC-4: Jeroen Arends	Ch.6	53	1881	56	2016	Overall in the region (South East Europe), the policy, legal and regulatory framework is in a transition phase towards the EU framework regarding the environment, biodiversity, etc. What is lacking is an adequate institutional framework with sufficient resources and capacities in order to deal with environmental degradation, loss of biodiversity, etc. Ecosystem services is only mentioned in NBSAP of countries but often without specific targets and timelines. There is no cross sector policy formulation -yet- that incorporates ecosystem services or NCP. There is a transition going on where the above are brought in line with EU laws, etc. but often there is insufficient follow up due to budgetary constraints or lack of priority. Also, enforcing and inspection are lacking due to these reasons. Environmental Impact Assessments and Strategic Environmental Assessment in combination with spatial planning (at all levels) is lacking or not properly conducted, especially when it comes to public consultation rounds. This criticism comes a lot from NGO and citizens' groups. I have a link to one document here: Crnčević T. And Therivel R. (2009): Achieving sustainability in planning: English and Serbian experiences. Regional development, spatial planning and strategic governance, thematic conference proceedings volume 1. Institute of Architecture and Urban & Spatial Planning of Serbia (Conference proceedings)Also, there is a knowledge gap and lack of data, or inconsistent data when it comes to environmental pollution and also regarding biodiversity. Often species are listed in inventories that actually never were present on a territory, for instance. There is also a lack of ownership regarding this data. There is some more information on this but 1 only have that for Serbia, not for the rest of the Balkans. I assume though that all countries to some extend or another struggle with the same issues. Other references are the EU progress reports for the various countries in the region.	
Hanna Skryhan	Ch.6	55	1958	55	1981	there is no link to the Box 6.4 in the text	There was a link in the final subsection, but Box 6.4 has now been deleted (and replaced by a reference) so the link to the box has been deleted, too.
ECA values liaison group	Ch.6	55	1978			adapt wording "orovide instrumental values" instead of benefits	Entire box has been deleted, so comment is obsolete
	Ch.6	56	1990	56	1992	It is unclear what is how the referenced court case relates to the issue discussed? Elaborate more on the case or delete the sentence.	This sentence has now been deleted.
Hens Runhaar	Ch.6	57	2044	57	2048	But see the references to Glasbergen and the above reference	As above - passed on to the coordinators of the section on agriculture
The Netherlands:				3,		But see the references to Glasbergen and the above reference	, and a section on agriculture
Astrid Hilgers	Ch.6	57	2044	57	2048		As above
Mark Rounsevell	Ch.6	58	2060	58	2061	There's potential to edit down the more descriptive parts of this section.  Again: the strenght and focus of the chpater could be improved by changing the order of the chapters. And why discuss this seperately from conservation policies? Why not discuss the	The text has been substantially revised and shortened.
Jetske Bouma	Ch.6	58	2060			governance approaches in relation to biodiversity and speciic ecosystem services? That would immediately make it clear that integration is lacking at that policies currently interact in a negative way.	The scoping documents prescribe a sector analysis as a basis for the overall assessment in this chapter

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						When describing the instruments existing for different sectoral policies, most instruments are related to sanctions. This should be balanced with the assessment of instruments related to	
						positive incentives, such as green investment and companies on the green market. From literature regaring environmental policy making there are examples of environmental policy	
PESC-4: Jeroen Arends	Ch.6	E0	2060	104	2600	instruments regarding regulation (command and control), market based instruments and voluntary instruments (such as labels). One reference is James Connelly and Graham Smith 2003. Chapter 5 "Choosing the means" in Politics and the Environment: From Theory to Practice, London: Routledge Press, pages 157-186	Thank you for the comment, the chapter has been substantially revised with the content of the comment in mind.
UNEP-WCMC: Elise	Ch.6	50	2064	104		Change text format and reference to Box 6.5 (which actually does not exist).	Both changed text format and references to Box 6.5 and 6.7 are now in note
belle	Cn.6	38	2004	38	2073	Change text format and reference to box 6.5 (which actually does not exist).	This comment is not very much useful. It would have been more helpful to
							indicate what part of the text could be cut and why (e.g. redundant,
Hanna Skryhan	Ch 6	58	2064	73	2420	Cut threefold	descriptive). However the text will be shortened as much as possible keeping an eye to not cut relevant information
nanna skrynan	CII.6	36	2004	/3	2426	Lut tirretion	it was referred to land use, but it is very likely that also the financing and
							number of countries involved make the CAP the wider single policy in the world. However this statement has been cut in order to shorten the text.
Mark Rounsevell	Ch.6	58	2075			In terms of what? Financing, land area covered, number of countries,?	Hora. However this statement has been ear in order to shorten the text.
							Thanks for suggesting this interesting reference. Unfortunately the text is
							already long and needs to be shortened so it is not possible to insert another textbox. However in the text there is already an in depth
						I don't want to refer too much to my own work, but the above reference may be interesting. We examined 10 distinct public, public-private and private goverance arrangements for	assessment of different policy instruments, and their effectiveness, and an
						agrobiodiversity. Maybe interesting to summarise our findings in a Textbox? Species abundance and diversity has decreased much more in the Netherlands than elsewhere in the EU hence effective governance of agrobiodiversity is especially important in this country. However, our evaluation shows that these arrangements, also in combination, are not enough to	analysis of constraints and opportunities. In particular, referring to your
						halt loss in agrobiodiversity and species abundance	previous comment, the suggestion to adopt result-oriented AES and paying farmers not just for opportunity and undertaking cost but also for
							biodiversity conservation achieved has been pointed out
Hens Runhaar	Ch.6	61	2120	62	2212		
The Netherlands: Astrid Hilgers	Ch.6	61	2120	62	2212	Again, Runhaar et al (2017) might be interesting.	See reply above
DECC 4. Inner America	Ch.6	61	2129	61	2426	CAP is very favorable to big land owners, not so much small landholders, and this limit should be acknowledged for. Indeed, CAP payments as part of the green pillar are based on the size of the farm. Larger owners thus obtain more money, and this is easier for them to put land aside for environmental purposes.	This information is already included in the SOD text and it will be retain also in the TOD (lines 1996-2200) pages 60-61.
PESC-4: Jeroen Arends	Cn.6	91	2129	61	2136	size of the farm. Larger owners thus obtain more money, and this is easier for them to put iand aside for environmental purposes.	This needs to be checked with other chapters when the TOD will be
Ilja Gasan Osojnik							finalised. At the moment in this section the term Local breeds will be used
Črnivec	Ch.6	62	2190		ļ	local and native breeds are two interchangeable terms, for greater clarity, I would reccomentd only one expression is used for the whole publication.	The same Health of the Health
ECA values liaison group	Ch.6	63	2221			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	The term "multiple values" does not result in the text at the line indicated nor at page 63
8P						In post-Yugoslavia War countries, the issues related to land laws and land properties are a constraint for implementing conservation measures related to agricultural land. We are	Thanks for this interesting information. Unfortunately at the moment the
						currently still in a transition period, with issues regarding land restitution. It makes governance difficult to enforce. Regarding agriculture in the Western Balkan countries there are two	text needs to be shortened and this makes unlikely to include further
						documents that describe the current state of the sector and the agriculture policy in the region: Volk, T. (ed.) 2010. Agriculture in the Western Balkan countries, (Studies on the	detailed information
PESC-4: Jeroen Arends	Ch.6	64	2226	64	2263	agricultural and food sector in Central and Eastern Europe, vol. 57) and AGRICULTURAL POLICY AND EUROPEAN INTEGRATION IN SOUTHEASTERN EUROPE, FAO, 2014. They describe the current state of affairs and gaps.	
ECA values liaison						*	Done. In TOD now line 2254
group	Ch.6	64	2228			adapt wording "relevant positive ecological impact"	Thanks for this interesting information. Also in other EU countries there are
						In the Netherlands a financial instruments has been applied for a long time that is unique in Europe: the socalled Fauna Funds. Under this arrangement, farmers can be compensated for	
						damage caused by a specified list of species that are protected or otherwise considered special species. The main part of the budget is spent on damage caused by Geese (see Runhaar et	wolf killing sheep in Italy). Unfortunately at the moment the text needs to
						al. 2017)	be shortened and this makes unlikely to include further detailed information
Hens Runhaar	Ch.6	64	2264	64	2264		Thanks for this interesting information. Also in other EU countries there are
						In the Netherlands a financial instruments has been applied for a long time that is unique in Europe: the socalled Fauna Funds. Under this arrangement, farmers can be compensated for	
						damage caused by a specified list of species that are protected or otherwise considered special species. The main part of the budget is spent on damage caused by Geese (see Runhaar et	
The Netherlands: Astrid Hilgers	Ch.6		2264	64	2264	al. 2017)	be shorten and this makes unlikely to include further detailed information
ECA values liaison	CII.6	04	2204	04	2204		Done. In TOD now line 2291
group	Ch.6	65	2278			adapt wording "achieve positive ecological impact"	
						For a critical evaluation of how the Metherlands have implemented the greening requirements in the CAP, see TERWAN, P., J. VAN MILTENBURG, A. GULDEMOND, A. VAN DOORN (2017)	
						VERGROENING, AGRARISCH NATUURBEHEER EN COLLECTIEVEN: PRAKTIJKIDEEËN VOOR EEN	text needs to be shortened and this makes unlikely to include further detailed information
						GROENERE LANDBOUW (in Dutch but with an English summary) available from http://portal.scan	
Hens Runhaar	Ch.6	66	2297	66	2298	sict.nl/system/files/documenten/nieuws/eindrapport_vergroening_agrarisch_natuurbeheer_en_collectieven_2017.pdf	
ECA values liaison group	Ch.6		2297			In box 6.6, adapt wording "of the positive Natura 2000 effects"	Text has been adapted
ECA values liaison	CII.0	00	2237			In Dox 0.0, adapt wording or the positive Natura 2000 effects	Done.
group	Ch.6	66	2302			adapt wording "achievement of positive ecological impacts"	Done
ECA values liaison group	Ch.6	68	2352			adapt wording in the bracket "(e.g. relational values generated by local food production	Done.
ECA values liaison group	Ch.6	68	2353			adapt wording "advantages for farmers and general society"	Done.
ECA values liaison	CII.U	08	2333			trough wirting surrainings for raining and general solvery	This paragraph has been eliminated in order to shorten the text
group	Ch.6	68	2364		ļ	adapt wording "the future relational values (cultural	
UNEP-WCMC: Elise Belle	Ch.6	68	2366	68	2366	Box 6.7 not referenced in text.	Box 6.7 now referenced in the text at page 65 line 2332.
ECA values liaison	Ch.6	69	2392			adapt wording "positive ecological effects for flora	This paragraph has been eliminated in order to shorten the text
group	CII.0	69	2392		1	lanahr morning positive econogical effects for IIOI d	

ECA values liaison	Ch 6	69	2416			adapt wording "assessing the non-anthropocentric biodiversity value"	The assessment in this case refers to the value of the farm for biodiversity. It is not clear why to refer specifically to non-anthropocentric value.
UNEP-WCMC: Elise	Ch.6	70	2423	73	2420	Finalize Table 6.9, including display of trends.	Trends are already displayed in tab.6.9 by coloured arrows. If possible these will be enlarged in the TOD.
PESC-4: Arevik	Ch 6	70	2423	73			The text will be reduced as much as possible
ECA values liaison	CII.6	70	2423	/3	2428	There is already a lot of text in Table 6.9 so it should be reduced as much as possible in the final version of the table, in order to make it useful.	
group	Ch.6	72	2425			Table 6.9: "(and to the positive ecological impact)"	Unclear what is meant by this comment.
	Ch.6	74	2431	74		Agriculture in EE is totally missing!	The text has bee namended to also cover Eastern Europé
Hanna Skryhan	Ch.6	74	2432	74	2459	delete the text	There is no explanation to this request?
PESC-4: Hanna Skryhan	Ch.6	74	2432	76	2482	The text describing the context of agriculture in the region can be shortened significantly, so that we focus on the policy instruments which are at the core of Chapter 6.	The text has been substantially rediuced,
ECA values liaison group	Ch 6	74	2455	74	2456	Adapt wording: "around 60 percent of the value of NCP comes from pastures."	Text has been adapted
ECA values liaison	CII.U	/-	2433	,,	2430	Adopt wording:around do percent of the value of their contest from pastures.	Text has been adapted
group	Ch.6	74	2455			make clear	Test has been edited
ECA values liaison group	Ch.6	74	2455			Specify which type of valuation is meant (economic, biophysical, integrated,)	The text has been revised
UNEP-WCMC: Elise						The state of the s	
Belle	Ch.6	75	2468	75		Figure 6.6: Increase resolution of the map.	Done
	Ch.6	75	2468	75		delete the figure 6.6	There is no justification for this request.
	Ch.6	75	2481	76		delete the table 6.10	There is no justification for this request.
Hanna Skryhan UNEP-WCMC: Elise	Ch.6	77	2533	80	2622	delete the figure, table 6.11, table 6.12 from the Box 6.9	There is no justification for this request.
	Ch.6	77	2547	78	2510	Figure 6.7: Remove title and sentence at top of the figure.	Done
	Ch.6	77	2602	/6	2548	rigure 6.7. Remove title and semente at top or the rigure.  Confidence term? If so it should go between brackets. If not alternative wording should be used.	The text has been revised
ECA values liaison	cii.o	,,,	LUUL			commence term, if an it anothing by between directed in not often after wording an obtained about	The care has been revised
group	Ch.6	79	2610			adapt wording "the costs and instrumental benefits of"	Text has been revised
ECA values liaison							
group	Ch.6	80	2612			adapt wording "lead to higher net income and"	Text has been revised
	Ch.6	80	2623	83	2782	add the analysis of the policy instruments in ECA sub-regions	The instrument analysis has now been transfered to section 6.2.
PESC-4: Kristina							The text has been substantially rewritten to better fit into the overall
· · · · · · · · · · · · · · · · · · ·	Ch.6	80	2623	83		The section on forest is quite clear, with a little summary section before moving to next section. Could we have the same for the section on agriculture?	structure of the chapter.
Hanna Skryhan	Ch.6	80	2624	80	2644	cut the discription of the forestry, but add the policy objectives in regards to the title of the paragraph the processes mentioned are no processes for sustainable development but for the establishment of criteria and indicators for Sustainable Forest Management (SFM) which is a	The forestry description has been shortened.
Germany	Ch.6	80	2630	80	2622	the processes mentioned are no processes for sustainable development out for the establishment of Criteria and indicators for Sustainable Forest management (SFM) which is a completly different focus. The process for SDG is the Agenda 2030 for Sustainable Development	The text has been adapted accordingly
Germany	CII.0	80	2030	80	2032	complexly uniferent focus. The process for sood is the Agenua 2030 for Sustainable Development	The text has been adapted accordingly
						"the hard legal instruments" are not so hard at all. There is no mechanism of sanctions to fulfill the CBD goals. In many decision from international processes the national capabilities and	
Germany Germany	Ch.6	80	2653 2701	80		the national sovereignity are specifically adressed, thus this kind of internationalization of forest processes seems rather a theoretical construction.  the example comes out of a sudden as is not further explained. Or delete the example or further elborate on the linkages to the above-mentioned	The statement has been qualified  The example is taken up in the next paragraph
	Ch.6	82	2701	82		the example comes out of a sudden as is not noticed explanation. Or delete the example of notice end at on the limitages to the above-mentioned Unclear to what country Solfroy et al. refer to when mentioning specific directives and strategies.	They refer to EU countries which is now stated in the text
	Ch.6	83	2774	83		delete "process of"	Done
	Ch.6	84	2785	84		add the policy objectives in fishery and aquaculture	Policy objectives has been added
Mark Rounsevell	Ch.6	84	2803			Looks like the auto-correct has uncorrectly modified the name of this fish	corrected
PESC-4: Jeroen Arends	Ch.6	85	2827	85	2835	In general, the Marine Strategy Framework Directive (MSFD) and Maritime Spatial Planning Directive do not specifically target ecosystem services or NCP but set descriptors (11), associates criteria (29) and 56 indicators in order to achieve "good environmental status" (GES). Although it seems logical to assume this, there is a gap on how ES can contribute to MSFD' GES and this needs to be further developed. For this, Marine and Coastal Ecosystem Services (MCES) indicators as well as models for MCES assessment (including fisheries and food webs) need to be further developed and they need to demonstrate how they can contribute to GES. Source for this: "Ecosystem Services sustainability in the Mediterranean Sea: Assessment of status and trends using multiple modelling approaches". ILquete et al 2016. Another source red to MCES indicators and how they need to be developed: Current Status and trends using multiple modelling approaches". ILquete et al 2016. Nonther source red to MCES indicators and how they need to be developed: Current	Added the line "In relation to the MSFD therer is a gap on how ecosystem services can contribute to MSFD's GES target and this needs to be further developed. For this, marine and coastal ecosystem services indicators and models for assessment (including fisheries and food webs) need to be further developed in order to demonstrate how they can contribute to GES (Liquete et al. 2013)." and reference "Liquete C, Piroddi C, Drakou EG, Gurney L, Katsnevakis S, Charef A, et al. (2013) Current Status and Future Prospects for the Assessment of Marine and Coastal Ecosystem Services: A Systematic Review. PLoS ONE 8(7): e67737. https://doi.org/10.1371/journal.pone.0067737"
UNEP-WCMC: Elise Belle	Ch.6	85	2860	85	2860	"If they are involved in the management"	corrected
UNEP-WCMC: Elise	Ch 6	86	2872	86	2872	Figure 6.9: "Marine ecoregions including". Explain what are the subdivisions in red.	added " (Subdevisions with red borders are ICES fishing zones)"
PESC-4: Arevik	-	30				The depletion of groundwater resources led to an environmental catastrophe for fisheries in Armenia. See:  1. USAID. 2014. Assessment Study of Groundwater Resources of the Ararat Valley: Final Report. March 2014.  2. USAID Analysis and Assessment of Groundwater in Ararat Valley. Interim reports 1 and 2, prepared under USAID Clean Energy and Water Program, 2013  3. Intensive Fish Farming as a Contributor to the Depletion of Underground and Surface Water Resources in the Ararat Valley/ Tatiana Trifonova. 2016 Eurasian Center for Food Security,	Have now added the Isentence and reference ""It has also been shown that intensive fresh water aquaculture can deplete groundwater supplies. For example fish farming was found to be a major contributor to the depletion of underground and surface water resources in the Ararat Valley of Armenia (Trifnonva, 2016), "Trifnonva, 7, (2016), Case Study #8-8, "Intensive Fish Farming as a Contributor to the Depletion of Underground and Surface Water Resources in the Ararat Valley". In: Per Pinstrup-Andersen and Fuzhi Cheng (editors), "Food Policy for Developing Countries: Case Studies." 15
Mkrtchyan	Ch.6	86	2876	88	2951	Moscow, Russia	pp.URL: http://cip.cornell.edu/dns.gfs/1489508722"
		. 30	2070	. 00	-231	p	pp. a

PESC-4: Jeroen Arends	Ch.6	88	2953	88	3 2969	There are still many issues with fisheries and fishing practices. It is generally well known that certain fisheries and fishponds cause environmental and ecological damage.	Agreed, and we have tried to highlight the main ones in this section with the limited space that we had. Have alos added to summary "In a recent article, Colloca et al. (2017) point to "a worrisome picture where the effect of poorly regulated fisheries, in combination with the ongoing climate forcing and the rapid expansion of non-indigenous species are rapidly changing the structure & functioning of the ecosystem", and add "the management system implemented in the region appears too slow and probably inadequate to protect biodiversity and secure fisheries resources for future generations"."
							section 6.5.4.1. In the following sub-sections, we refer to them in different
Audun Ruud	Ch.6	89	2979	95	5	On energy, pages 89-95 it could be considered to better distinguish between renewable and non-renewable energy resources extraction	paragraphs.  This chapter is about policy responses; not drivers. Yet we deal with biofuels
Hanna Skryhan	Ch.6	89	2979	89	3003	add the bio-fuel production and its impact on the BES	in section 6.5.4.3 (constraints and opportunities).
Finnish Government	Ch.6	89	3020			It says that marine mining don't have effects to human environment. That is true if we look at direct impacts, but surely there is potentillaly indirect impacts to humans also on marine mining.	We have corrected it by mentinoning "limited direct impacts" in the corresponding sentence.
ECA values liaison	Ch.6	90	3057			adapt wording "greater share of income and participation"	Corrected.
group	CII.6	90	3057			adapt wordinggreater share or income and participation	Thanks for your comment. However, we cannot write our judgements in the
Audun Ruud	Ch.6	90	3063			Hydropower and reservoirs represent significant environmental challenges, but as part of the energy transition it could also be part of the solution – also as a back-up when more intermittent renewables are entering the market.	text. We are only supposed to provide an assessment of the existing literature on BES.
Audun Ruud	Ch 6	90	3063			and hydronouse and water management is not extensively covered in the chanter	We cover hydropower in the following sentences in 6.5.4.3: "There are also constraints regarding the use of the widely-established energy policies and policy instruments. As reviewed and demonstrated in Chapters 3 and 4, all known renewable energy sources can have consequences for biodiversity and animal migration. For aquatic and semi-aquatic fauna, hydropower presents by far the greatest array of problems in terms of diversity and severity of impacts (CMS, 2014; Hogan, 2011). Environmental policy of the largest Russian hydropower company Rushydro states that further development of the sector is constrained primarily by the fact that all most suitable dam locations are in wilderness areas known as key habitats for endangered species (PAO Rushydro, 2016). Oil, gas and coal extraction or exploration in many parts of Europe and Central Asia (e.g. Kazakhstan, lead to biodiversity losses. Apart from the conventional sources of energy, mainly comprising of fossil fuels, hydraulic fracturing (or fracking) also puts pressure on the environment and ecosystems causing potential water and soil contamination from surface leaks or from improperly designed well-casing, spills of improperly treated water, increased competition for water use as 4 to 10 (1802).
Audun Ruud Audun Ruud	Ch.6 Ch.6	90 90	3063 3063			And hydropower and water management is not extensively covered in the chapter.	increased competition for water usage, and so on (UNEP, 2012)."
	Ch.6 Ch.6	90	3063	91	3088	And wind power is not even mentioned as far as I can read  add information about Bio-fuel Directive and its implementation in the ECA sub-regions	We now mention wind as well as solar power in section 6.5.4.3.  Added in the 6.5.4.2 section.
						*	We now mention the opportunities that will be brought together via low-
Audun Ruud ECA values liaison	Ch.6	91	3068	91	3088	Besides, a focus is very much on impacts, but low-carbon transitions can also create new opportunities in terms of reduced GHG emission and beyond the minor reference on page 91	carbon transitions.
group ECA values liaison	Ch.6	92	3133			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	It does not apply to the current version of the text.
group	Ch.6	95	3242			adapt wording " contain a high non-anthropocentric and cultural value."	Revised
ECA values liaison	Ch.6	95	32///			adant wording "preconsting of these values."	Ravisad
group	Ch.6	95	3244			adapt wording "preservation of these values"  The executive, i.e. nature conservation agencies on different levels but most importantly on the lower levels in direct contact with stakeholders, need more regular education on taxon specific impacts which may arise from energy development. The level of expertise is often based on the personal interest in certain human-wildlife conflicts. An interface for communication of scientific findings must be established. Although English is a language used across ECA, local authorities and personal of agencies does not regularly update on scientific findings. Therefore results of relevance for a certain species are often considered only inside the range of the nations. I.e. in the best case scenario when the findings find there	Revised  We have omitted the related reference (Jones et al) and the corresponding
Oliver Lindecke	Ch.6	95	3246	3253	95	way to the nature conservation agencies.	paragraph due to length concerns.
ECA values liaison group	Ch.6	96	3282			adapt wording "to better govern nature's contributions to people"	Revised
							Table 6.1 is about governance modes, public and private actors and their interaction, whereas Table 6.13 only outlays business related risk and opportunities for BES. Instead of linking the two tables, we prefer to include an additional table on "policy options" (both public and private) in the
Audun Ruud ECA values liaison	Ch.6	96	3297		1	Table 6.13 on page 96-97 should be better related to table 6.1	Annex.
group	Ch.6	96	3297	97	3298	Table 6.13: Adapt wording: "Business related biodiversity and NCP risk and opportunities";	Revised

						It should be mentioned, that attractive landscapes and nature play a crucial role to attract tourists. Hence, tourism strongly depends on biodiversity and ecosystem services (as natural capital) - while at the same time the tourism industry seldom supports the protection of biodiversity. The following references could be cited: Adamowicz, W. L.; Naidoo, Robin; Nelson, Erik; Polasky, Stephen und Zhang, Jing (2011): Nature-based tourism and recreation. In: Kareiva, Peter; Tallis, Heather; Ricketts, Taylor H.; Daily, Gretchen C. und Polasky, Stephen (Hrsg.): Natural Capital. Theory and Practice of Mapping Ecosystem Services. Oxford, Oxford University Press: 188-205.  Mayer, Martin; Woller, Martin; Woltering, Manuel; Arnegger, Julius und Job, Hubert (2010): The economic impact of tourism in six German national parks. In: Landscape and Urban	
						Planning 97: 73-82.  Willis, Cheryl (2015): The contribution of cultural ecosystem services to understanding the tourism - nature - wellbeing nexus. In: Journal of Outdoor Recreation and Tourism: Article in	
						Press.	
Roger Keller	Ch.6	98	3350	98	3355		The suggested references have been added.
UNEP-WCMC: Elise						"Coverage of protected areas observed over the last decades has been shown to be beneficial for biodiversity and ecosystem services, providing opportunities for tourism (UNEP-WCMC and IIICN. 2016).	
Belle	Ch.6	98	3350	98	3352	I would add the following reference, which is more recent: UNEP-WCMC and IUCN (2016). Protected Planet Report 2016. UNEP-WCMC and IUCN: Cambridge UK and Gland, Switzerland.	The suggested references have been added.
ECA values liaison						L	L
group ECA values liaison	Ch.6	99	3374			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	The suggested changes have been made.
group	Ch.6	101	3478			adapt wording "and potential positive impact on biodiversity"	The suggested changes have been made.
ECA values liaison	Ch.6	102	2544				The second of the second of the second of
group	Ch.6	102	3514			adapt wording "preserving future options related to the tourism sector."	The suggested changes have been made.  Thanks for this interesting information. Unfortunately at the moment the
							text needs to be shortened and this makes unlikely to include further
Audun Ruud	Ch.6	103	3567			And when discussing trends in governance modes (6.5.6), the table 6.1 could be better used as a reference and perhaps the discussion could be more specific on the ECA experiences	detailed information
						Again, if you discuss this at the beginning and then consider the current policies Europe and central asia the chapter becomes much easier and informative to read. A lot of the more descriptive information could then perhaps be transferred to an appendix so that the actual chapter could really focus on the challenges and opportunities of the govrnance of	We assume 'discuss this' means 'discuss mainstreaming' at the beginning of chapter 6. However, we streamlined and shortened the text substantially,
Jetske Bouma	Ch.6	104	3609			biodiversity and ecosystem services in Europe and central asia.	while not changing the overall structure of the chapter.
Christian Schleyer UNEP-WCMC: Elise	Ch.6	104	3609	131	4567	Please consider Bouwma, I., Schleyer, C., Primmer, E., Winkler, K.J., Berry, P., Young, J., Carmen, E., Špulerová, J., Bezák, P., Preda, E. & Vadineanu, A. (2017): Adoption of the Ecosystem Services concept in EU policies. Ecosystem Services (Online available: 11 March 2017) (http://dx.doi.org/10.1016/j.ecoser.2017.02.014).	Reference is now included in 6.4.2.1
Belle	Ch.6	104	3610	104	3610	Box 6.10 nor referenced in text.	Box 6.10 has been deleted
ECA values liaison							
group	Ch.6	104	3610			To improve clarity and consistence with other chapters in box 6.10, replace 'multiple' by 'diverse' values	Box 6.10 has been deleted
	Ch.6	105 105	3640 3642	105	3611	l agree, but it sounds prescriptive, as do several such statemenets in this section. Please reword in the sense of "offers opportunities for improvment" or the like  Here, you might refer to chapter 4 &5, where drivers have been identified and further analysed, in order to integrate the chapters more	Has been rephrased accordingly in 6.6.4.1 References has been made to ch. 4 and 5 where appropriate.
ECA values liaison	CILO	103	3042	103	3044	nere, you might refer to displicit 4 ad, where divers not been defining and further analyzed, in order to integrate the enapters more	neierences has been made to cir. 4 and 5 where appropriate.
group	Ch.6	105	3646			adapt wording "multiple values of nature's contribution	Rephrased 'multiple services' 6.6.4.1
ECA values liaison	Ch.6	105	3646			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	Rephrased 'multiple services' 6.6.4.2
group	Cii.o	103	3040			To improve clarity and consistence with other chapters, reprote multiple by diverse values	It has been recognized by the EU but only few countries in the whole ECA
Germany	Ch.6	105	3648	105	3650	What about EE and CA?	region make intensive efforts
ECA values liaison						L	
group	Ch.6	105	3650			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values  Though this is an important message, it would be helpful to have examples or success story- how can this be reached in practice? In line 3649 you state that "a few countries have made	we meant 'multiple services' thus we did not replace Unfortunately, we had to reduce the text. Thus, we have not been able to
Germany	Ch.6	105	3659	105	3666	intensive efforts to integration	include more detailed examples.
	Ch.6	106	3675	106	3680	compare chapter 1	Reference to chapter 1 has been made where appropriate
ECA values liaison	Ch.6	100	2707				This has a base of a larger
group	CII.0	106	3707			adapt wording "Responding to the multiple anthropocentric and non-anthropocentric values"  Figure 6.10: In the list of sectors, "manufacturing" should be added, as it is industry that consumes the largets share of resources. "Spatial planning" might be replaced by	This text has been deleted  Manufacturing and Services sectors have been added, in line with Figure 6.2
						"infrastructures"; more generally, the list of sectors could be harmonised with earlier lists in this chapter, such as the list of sectors in Figure 6.2. A second issue with Figure 6.10:	
Sigrid Kusch	Ch.6	108	3729			"Systems" (last word in figure) is rather vague, this would benefit from being more precise.	We changed "systems" to ecosystems".
ECA values liaison group	Ch.6	108	3729			Fig 6.10: check whether BES can be replaced by NCP or whether these terms are fixed in SEA & EIA	changed to nature's contributions to people
ECA values liaison	CII.O	100	3723			Figure 6.10: You might try to include value categories in this figure by assigning different sector activities to N (biodiversity conservation), NCP (agriculture, forestry, fishery, energy and	changed to nature 3 contributions to people
group	Ch.6	108	3729			mining, manufacturing), GQL (health, education, tourism).	we are afraid this would become too complicated to implement.
Markus Fischer	Ch.6	108	3730			Prescriptive wording, please reword.	Title has been rephrased: 6.6.3 Raising awareness and participation
						Action 5 of Target 2 of the EU Biodiversity 2020 Strategy, could be mentioned in sections on national accounting and on spatial planning. It requires member states to map their ecosystem services - the so-called MAES initiative (for Mapping and Assessment of Ecosystems and their Services). Member States were expected to complete this by 2014 but there are	
PESC-4: Jeroen Arends	Ch.6	108	3731	115	4029	delays in many countries: http://biodiversity.europa.eu/maes/maes_countries Target 2 also requires Member States to conduct Natural capital accounting by 2020. These requirements are applicable to all EU countries, but eventually also to candidate countries.	These are now mentioned in the text as suggested. (The text appears in the paragraph where SEEA and WAVES are explained.)
ECA values liaison							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
group	Ch.6	108	3734			adapt wording "based on the monetary value of output"	Revised.
Sigrid Kusch	Ch.6	109	3759	109		Does Figure 6.11 then suggest that the region's path is less sustainable than the global path (curve of region is below global one throughout last years)? Or what does this comparison of regional/global data reveal? As a second issue, please note that in the figure heading it is not clear why particulate emission is mentioned (was only damage caused by emission of particulate matter considered?) - this could be presented in a clearer way.	

		1 1			1		It was not only to discourants into the ECA subsections because instead
Germany	Ch.6	109	3764	109	3766	Can you further disaggregate into the 4 ECA-subregions?	It was not easy to disaggregate into the ECA-subregions; however, instead, we now add a comparison of ECA with the other regions.
ECA values liaison					0.00	, , , , , , , , , , , , , , , , , , , ,	
group	Ch.6	110	3782			adapt wording "the multiple types of value of natural capital"	Revised.
ECA values liaison	Ch.6	110	3801			adapt wording "in which anthropocentric and non-anthropocentric value domains"	Revised.
group ECA values liaison	Cn.6	110	3801			adapt wordingIn which anthropocentric and non-anthropocentric value domains	Revised.
group	Ch.6	111	3828			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	Revised.
ECA values liaison							
group	Ch.6	111	3836			adapt wording "the recognition of the multiple values of such services"	Revised.
ECA values liaison	Ch.6	111	3857			adapt wording:including integrated valuation methods	Revised.
group	CII.0	111	303/			adapt wording:including integrated valuation methods	Thank you! The reviewer provided some more information which has been
							considered in the revision. Essential information has been integrated as far
						strong bias to WE, the information about EE ans CA is totally missing. The paragraph need in significant redevelopment. I could provide text of this paragraph including the missing part.	as the text limitations allowed (we already needed to cut down overall
Hanna Skryhan	Ch.6	112	3863	115	4029	To cut the text of the paragraph	length)
							Website has been checked. It is an interesting example of collaboration in marine spatial planning. However, no new relevant information was found
Finnish Government	Ch.6	112	3863			Could there be an example from Baltic Sea, the HELCOM- VASAB cooperation (http://www.helcom.fi/helcom-at-work/groups/helcom-vasab-maritime-spatial-planning-working-group/	that could be taken up in the assessment.
ECA values liaison							
group	Ch.6	113	3948			adapt wording "and have substantial advantages"	Thanks for the comment. Has been implemented.
						L	Thanks you! We have now integrated more information on spatial planning
PESC-4: Hanna Skryhan	Ch 6	114	3952	114	3055	There is actually quite a lot of work on spatial planning in Eastern Europe, and on participatory approaches. I studied the case for Ukraine and Belarus and I can provide you with a little paragraph on that topic if you want.	in Eastern Europe, based on the new information provied (see response on comment 342 above).
UNEP-WCMC: Elise	CII.O	114	3332	114	3333	paragraph on that topic it you want.	comment 342 above).
Belle	Ch.6	115	4003	115	4004	"climate adaptation and mitigation,"	Thank you. Has been changed.
							Thank you. A short note on this has been added: "Trade-offs between
						"Heater interesting DFF in planting" would be useful to acids but that her heads only on planting the second of the true on the second of the true of the tr	different NCP's as well as between biodiversity and NCPs need to be
Dan Faith	Ch 6	115	4003		4004	re "better integrating BES in planning" - would be useful to point out that key trade-oofs are between B and ESand even local synergies of the two can mean poor balance at regional scale - see references - Faith, Australian Zoologist	accounted for in decision-making about preferable spatial planning strategies and implementation actions."
Danifalti	CII.O	113	4003		4004	Some Secretaries Futur, Australian Zoongsat	strategies and implementation actions.
							Thank you. Indeed we could say more, but we have been asked to
							substantially reduce the length of the manuscript and not to provide further
UNEP-WCMC: Elise	Ch. C	115	4007	445	4007		detail. We therefore decided to refrain from adding further detail and hope
Belle	Cn.6	115	4007	115	4007	You could say a bit more about these two examples.	that the reader will consult the provided references for more information.
							We have considered this carefully in the revision and tried to be more
							specific to ECA throughout the entire section - as far as this was possible
							given the space limitations. Furthermore, one colleague from eastern
							Europe provided additional information that we incorporated in the
							manuscript. However, we needed to recognize that it is impossible to comprehensively address the breath of formal and informal government
Germany	Ch.6	115	4011	115	4021	very general- where is the link to ECA here?	and governance arrangements in place within ECA.
						Section 6.6.2.3 "Sustainable consumption and production" would benefit from some more specific information, as one example, circular economy could be mentioned.	Agree, but due to limited space and with the chapter being too long, we will
Sigrid Kusch	Ch.6	116	4030	117		Section (1822) Sustainable Consumption and production would be their normalisms appeared to the consumption of the consumption	have to limit this if at all.
							Yes agree. We rephrased the reference to the numbers, and rephrased the bullet list as follows:
							Increase resource efficiency, including circular resource use (production)
						This should be reviewed. One not correct issue is the statement that the first 4 items on the list refer to the production stage, and only item 5 to the final consumption stage. Note that	Enhance sustainable resource production (production)
						Item 3 heavily depends on the end-user. Later in this section, the list of "key contributers" seems rather selective - what is the basis of this list of "main contributers to these impacts"?	3. Design products with cradle-to-cradle-approach (production)
							Promote consumption patterns with less environmental impacts (consumption)
							5. Reduce waste at different stages (production & consumption)
							, , , , , , , , , , , , , , , , , , , ,
Sigrid Kusch	Ch.6	116	4039	116	4047		The text of the 'key contributers' has been deleted
						It is stated: "The actual environmental impact should be verified by applying a (final) consumer responsibility approach". This is not clear without explanation, and furthermore the	
						message of such a statement should be carefully rethought. A message that formulates a recommendation to shift responsibility to the final consumer does not seem appropriate, at least it should be carefully rethought if that is really what you wish to communicate. And do you at all mean the final consumer here, or the entity that makes use of resources?	
						least a should be calcular lettinogist it und a steamy mark by to wast to communicate. And do you at an intent the man the man do you at an intent the man of the man	
						proactive attitute and responsibility That of course does not mean that the final consumer does not require more attention. Social innovation and consumer-oriented instruments are	
Sigrid Kusch	Ch.6	116	4051	116		among the most difficult to implement.	This text has been deleted
Germany UNEP-WCMC: Elise	Ch.6	116	4061	116	4070	anything on EE, CA?	No specific information available to us
Belle	Ch.6	117	4084	117	4084	Figure 6.12 not mentioned in the text (except in Executive Summary).	Noted, reference added.
					.504	, , , , , , , , , , , , , , , , , , , ,	
Audun Ruud	Ch.6	117	4086		1	On the final assessment (6.6.3) and referring to my third comment above, I am missing a more explicit reference to dialogue and engagement	This aspect is now explicitly referred to in the sub-section on 'policy mix'
ECA values liaison							
group	Ch.6 Ch.6	118	4100 4120	110	4134	adapt wording "the distribution of anthropocentric values"	Done
Finnish Government ECA values liaison	CII.b	118	4120	118	4121	Statement by the Harris should be questioned. It is very straightforward conclusion. See literature on adaptive law.	Harring's statement has been qualified.
group	Ch.6	119	4140			adapt wording "at reflecting monetary costs and benefits to society of the conservation"	Done
						· · · · · · · · · · · · · · · · · · ·	

	1	1			1		
							Clarification added. statement is related to agricultural landscapes, where
Germany ECA values liaison	Ch.6	119	4153	119	5154	This is not clear- why farm-level? What about other sectors, e.g. mining?	farmers decide about the uptake of .eg. Environmental schemes.
group	Ch.6	119	4158			adapt wording "to be effective	Done
ECA values liaison group	Ch.6	120	4190			adapt wording "restoring habitats with equivalent ecological characteristics elsewhere"	Done
ECA values liaison							
group ECA values liaison	Ch.6	120	4197			adapt wording "additional cost reductions can be achieved"	Done
group	Ch.6	122	4265			adapt wording "a desk study on the monetary costs and benefits"	Done
Audun Ruud Markus Fischer	Ch.6	122 127	4289 4422	124 127	4422	This is also relevant for the section on reporting (pages 122-124)  Opportunities and challenges for policy and decision making in the context of of biodiversity and ecosystem services	Is now mentioned in paragraph below figure 6.17 chapter has been restructured and renamed (6.6.1)
ECA values liaison	CII.6	127	4422	127	4423	Opportunities and channings for poncy and decision making in the context of or biodiversity and ecosystem services	chapter has been restructured and renamed (0.6.1)
group	Ch.6	127	4422	131	4578	The whole section '6.6.4 Opportunities and challenges of biodiversity and ecosystem services for policy and decision making' should be linked with the NCP framework.	Done (6.6.1)
ECA values liaison group	Ch.6	128	4450	128	1/153	6.16: adapt wording: "Key factors of the IPBES approach"; "Bundles of NCPs are necessary", "to achieve NCP and GQL", "the private/public good character of NCP"; "Contributions of the IPBES concept to policy"	Done (Figure 6.13)
group	CII.U			120	4433	And despite an explicit reference to participation in figure 6.16 on page 128, this is not related to social engagement, active involvement and dialogue – a crucial element in participatory	bone (rigure 0.13)
Audun Ruud	Ch.6	128	4452			planning.	This text has been deleted
						Though the ecosystem services approach has been a very crucial and influential approach, this whole section does not relate at all the ECA. Has it been implemented, if so, how and where, what were the impacts? Additionally, it needs to be explained, why the ECA assessments uses the term Nature's contributions to people and here you argue how important the	
Germany	Ch.6	128	4455	131	4571	concept of ecosystem services is. Please discuss this point transparently.	This should be introduced and explained in the former chapters
ECA values liaison							
group ECA values liaison	Ch.6	128	4458			adapt wording "equity in the distribution of nature's contributions"	This text has been deleted
group	Ch.6	128	4473			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	This text has been deleted
ECA values liaison	Ch C	120	4481			destruction " the instrumental value destricts from the assumation and the calculations take an instrument "	This tout has been deleted
group ECA values liaison	Ch.6	129	4481			adapt wording "the instrumental values deriving from the consumptionand the relational values relative to the maintenance"	This text has been deleted
group	Ch.6	129	4505			To improve clarity and consistence with other chapters, replace 'multiple' by 'diverse' values	This text has been deleted
ECA values liaison	Ch.6	129	4514			adapt wording "the monetary benefits from socio-economic activities"	This text has been deleted
group ECA values liaison	CII.6	129	4514			adapt wordingthe monetary benefits from socio-economic activities	This text has been deleted
group	Ch.6	131	4568	131	4569	6.17: adapt wording: "Positive/negative impacts on Nature and NCP". "conservation and nature's contribution to people by agri-environmental policy"	Text adapted (figure 6.18)
UNEP-WCMC: Elise Belle	Ch.6	131	4571	131	4571	Figure 6.17 legend: "and the delivery of ecosystem services by agri-environmental policies."	Text adapted (figure 6.18)
belle	CII.6	151	45/1	131	45/1	Inguire oil 7 regents. and the delivery of ecosystem services by agif-environmental policies.  Unfortunately, also in this chapter the "opious" are yet to be developed. Here it would be very important to have concrete policy options, which should specifically target policy-makers.	Text adapted (figure 6.16)
						(and other actors - as relevant) in ECA. What are concrete policy options to adress the underlying causes of biodiversity and ES-loss? Based on your analyses, how can suitable policy	
Germany UNEP-WCMC: Elise	Ch.6	131	4577	131	4578	nixed look like?	Comprehensive table inserted (Table 6.11)
Belle	Ch.6	131	4577	131	4577	Table 6.14 missing.	Comprehensive table inserted (Table 6.11)
						Do you need an extra conclusion section, given that you have 6.6 which attempts to conclude?	
						I also think that table 6.14 on opportunities for action is most prominent if placed at the end.	The conclusion section has been deleted. Table 6.11 shows option and
Markus Fischer	Ch.6	132	4582	132	4583		opportunities in the beginning (chapter 6.6.2)
UNEP-WCMC: Elise							The conclusion section has been deleted. Table 6.11 shows option and
Belle	Ch.6	132	4583	132	4583	Conclusions section missing.	opportunities in the beginning (chapter 6.6.2) Section has been restructured and knowledge gaps are now mentioned
Markus Fischer	Ch.6	132	4585			I suggest moving this prior to 6.6 (i.e. prior to opoportunities)	throughout the text
UNEP-WCMC: Elise	Ch.6						
UNEP-WCMC: Elise	Cn.b	132	4588		4588	"good in the ECA region"	Adapted as suggested
Belle	Ch.6	132	4600		4600	"There is an increasing number of"	Adapted as suggested
UNEP-WCMC: Elise	Ch.6	132	4607		4607	"Directive, where the integration"	Adapted as suggested
UNEP-WCMC: Elise	CII.0	132	4007		4007	Directive, where the integration	Adapted as suggested
Belle	Ch.6	132	4621		4621	"(as most publications do)"	Adapted as suggested
UNEP-WCMC: Elise	Ch.6	133	4627	133	4627	"ecosystem services in some depth and that report"	Adapted as suggested
UNEP-WCMC: Elise	CII.0	133	402/	155	4027	ecospecim some deputration tract report	Parabica as suggested
Belle	Ch.6	133	4635		4636	"instruments tend to vary considerably [] ideology) and also the type of actors (strong or weak) included or"	Adapted as suggested
UNEP-WCMC: Elise	Ch 6	133	4645		1615	"consumers or producers"	Adapted as suggested
Delic	CII.U	133	4043		4043	consumers or producers  It is not clear in this section how large the knowledge gap really is concerning these issues. If we wouldn't know anything on thes eissues, wide parts of ch6 and beyond could not have	Section has been restructured and knowledge gaps are now mentioned
Markus Fischer	Ch.6	133	4647		ļ	been written, so please specify,	throughout the text
UNEP-WCMC: Elise	Ch 6	133	4647	134	4670	It would perhaps be good to apply the same style to the other two sub-sections.	Section has been restructured and knowledge gaps are now mentioned throughout the text
Oliver Lindecke	Ch.6	133	5024	5027		It would pernaps be good to apply the same style to the other two sub-sections.  the web link to CMS does not work, i.e. the file does not exist  the web link to CMS does not work, i.e. the file does not exist	Reference has been updated
							The whole section has been substantially rewritten to also take these
Dan Faith Dan Faith	Ch.6	145 153	5137 5502			this discussion of PD within ecosystems seems fine, but also may be good to point out that global PD is well corroborated as providing option value this is good discussion re the cost to biodiversity etc; would be good to add ref to study showing these problemsFaith Australian Zoologist (see references)	aspects into consideration.  We are not really sure what is meant here.
Dali Faltii	CII.U	103	3302		5509	tana a good dacession re the cost to biodiversity lett, would be good to dud rei to study showing these problemsPalth Australian 2000gst (see references)	we are not really sure what is meant nere.