

IPCC AR6: Marco General y Capítulo 5: Food Fiber and other Ecosystem Products

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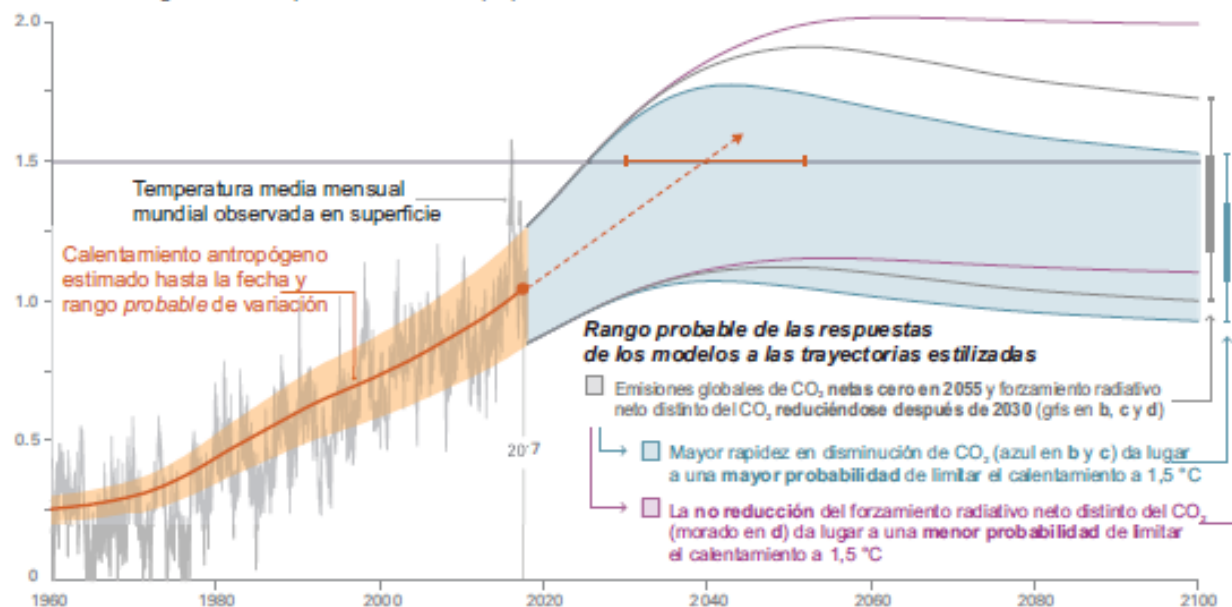
Sexto Informe del IPCC



Las emisiones de CO₂ acumuladas y el forzamiento radiativo futuro distinto del CO₂ determinan la probabilidad de limitar el calentamiento a 1,5 °C¹

a) Cambio en la temperatura global observada y respuestas de los modelos a las trayectorias estilizadas de emisión y forzamiento antropógenos

Calentamiento global con respecto a 1850-1900 (°C)



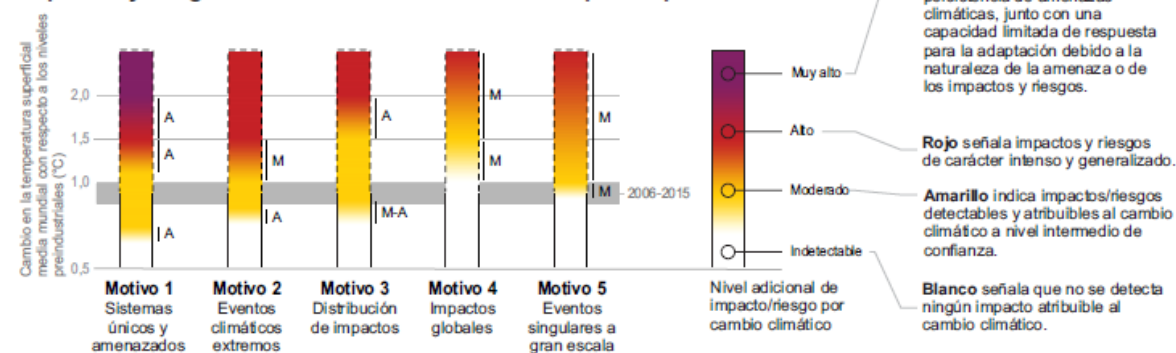
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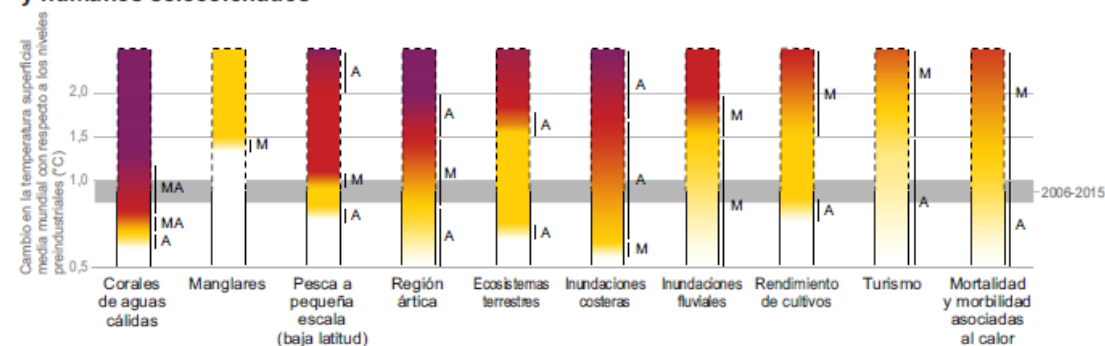
Cómo afectan los niveles de calentamiento global a los impactos y/o riesgos asociados con los “Motivos de preocupación” y los sistemas naturales, gestionados y humanos seleccionados

Cinco “Motivos de preocupación” ilustran los impactos y riesgos de los diferentes niveles de calentamiento global para las personas, la economía y los ecosistemas en distintos sectores y regiones.

Impactos y riesgos asociados con los “Motivos de preocupación”



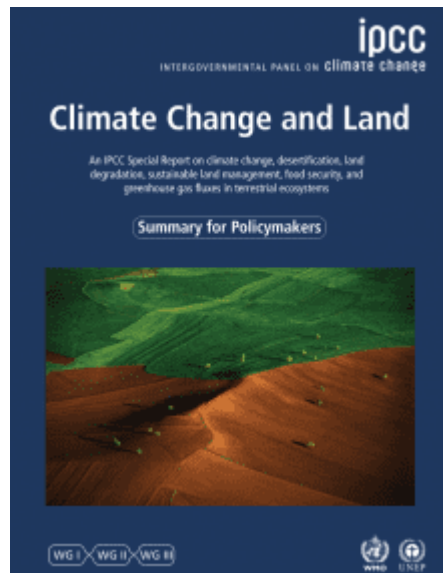
Impactos y riesgos asociados con los sistemas naturales, gestionados y humanos seleccionados



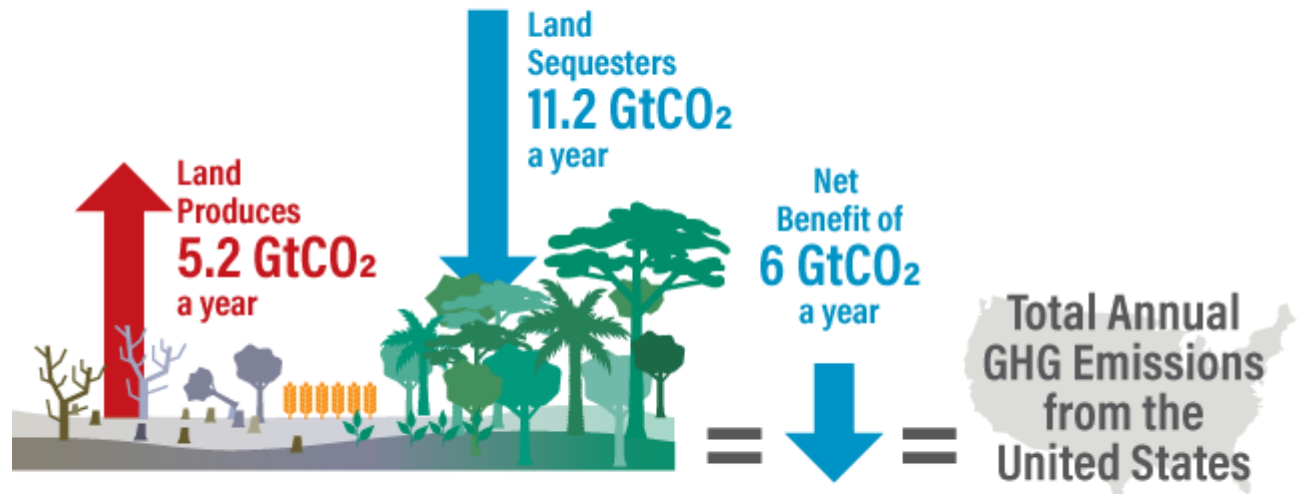
Nivel de confianza para transiciones: L=bajo, M=medio, A=alto y MA=muy alto

Fuente: Traducido de "IPCC Special Report on Global Warming of 1.5 °C"

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Land is Both a Powerful Sink and Emitter of Carbon Dioxide Emissions



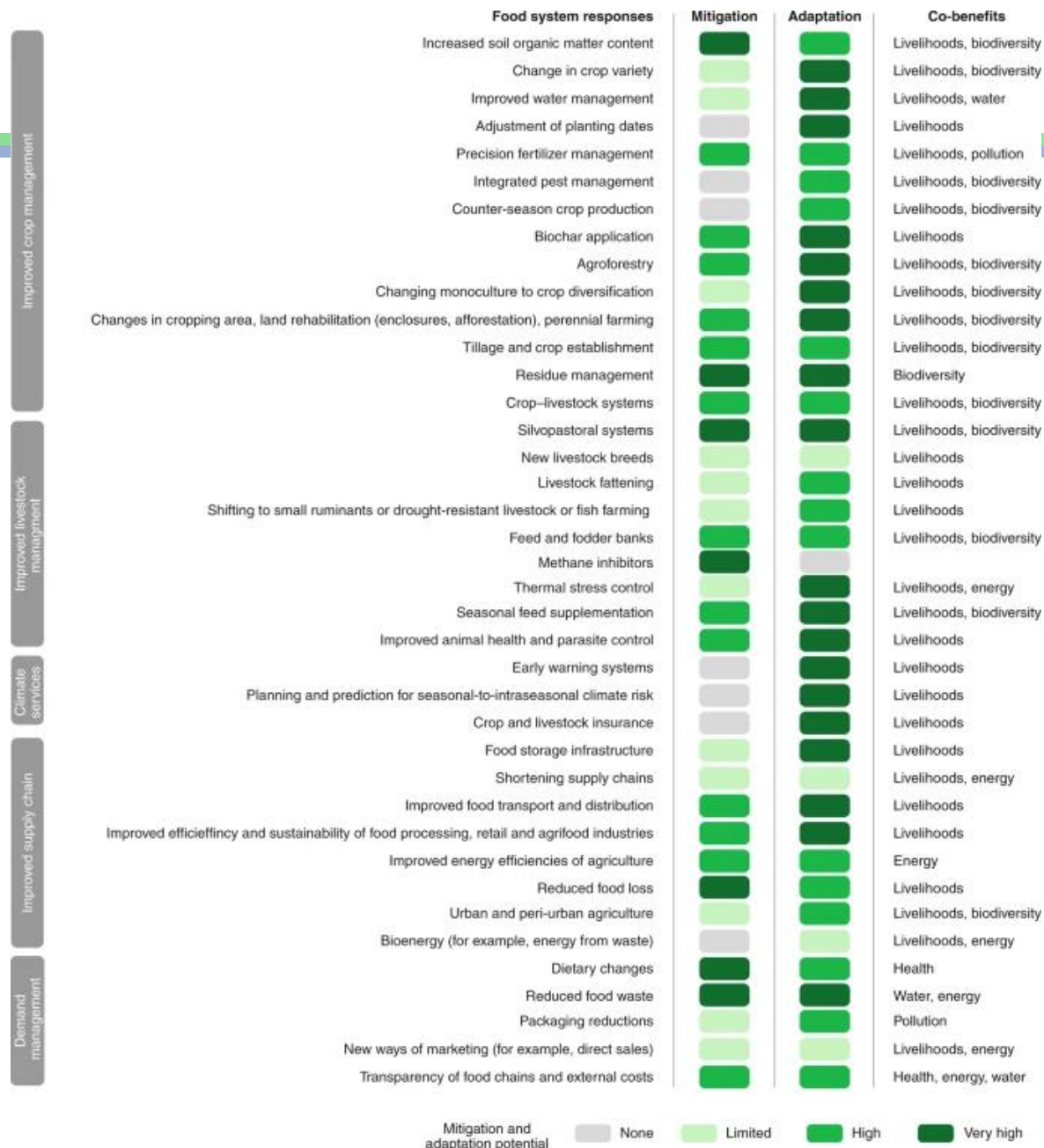
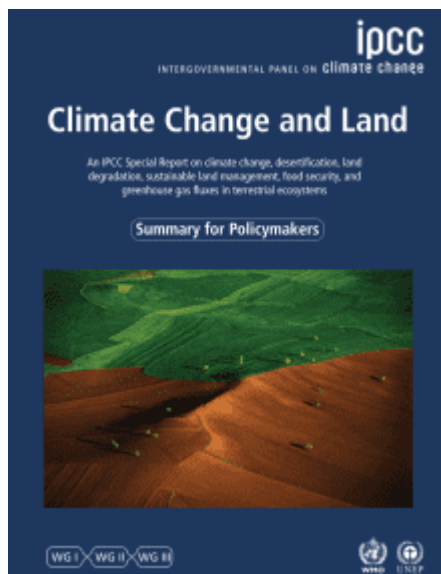
Note: Values are an average over 2007–2016

Source: IPCC Special Report on Climate Change and Land

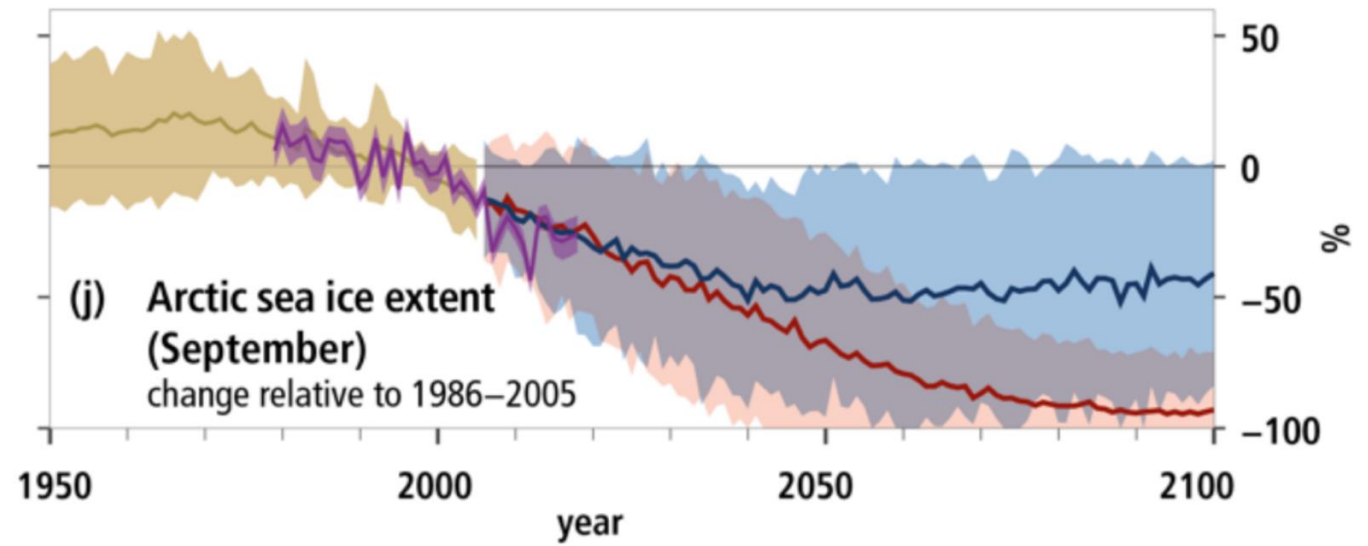
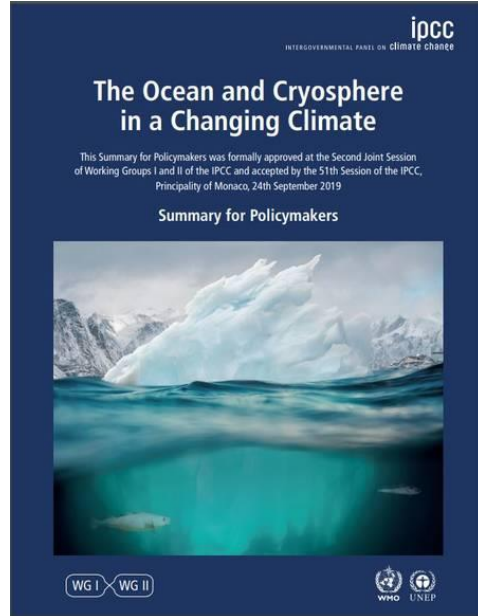


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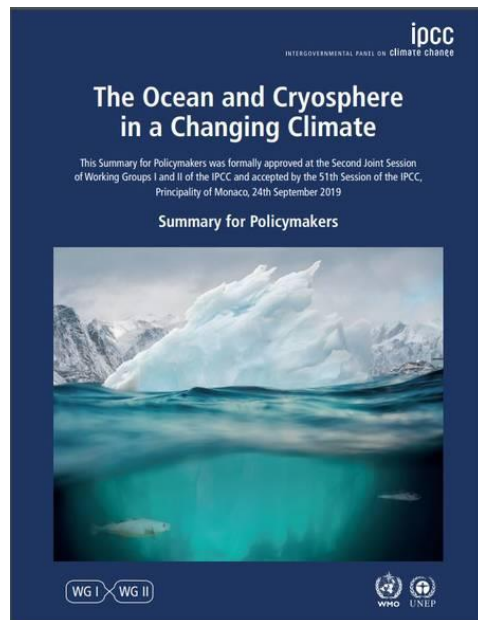
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		Ocean											LEGEND
		Arctic	EBUS ¹	North Atlantic	North Pacific	South Atlantic	South Pacific	Southern Ocean	Temperate Indian Ocean	Tropical Atlantic	Tropical Indian Ocean	Tropical Pacific	
Attribution ↓ Greenhouse Gases	Physical changes	Temperature											
	Oxygen												
	Ocean pH												
	Sea ice extent												
	Sea level												
Climate Change	Ecosystems	Upper water column											
	Coral												
	Coastal wetlands												
	Kelp forest												
	Rocky shores												
	Deep sea												
	Polar benthos												
	Sea ice-associated												
	Human systems and ecosystem services	Fisheries											
	Tourism												
Habitat services													
Transportation/shipping													
Cultural services													
Coastal carbon sequestration													

¹ Eastern Boundary Upwelling Systems (Benguela Current, Canary Current, California Current, and Humboldt Current); (Box 5.3)

		Attribution											LEGEND	
		Greenhouse Gases												
Cryosphere Change	High mountain and polar land regions	Attribution												LEGEND
		Himalaya, Tibetan Plateau and other High Mountain Asia ²	Low Latitudes ³	Southern Andes	New Zealand	Western Canada and USA	European Alps and Pyrenees	Caucasus	Scandinavia ⁴	Iceland	Russian Arctic	Alaska ⁵	Arctic Canada and Greenland	
Physical changes	Water availability	●●●	●●●	●●		●●●	●●●	●	●●	●●	●●	●●●		
	Flood	●				●	●	●						
	Landslide	●			●	●	●●		●	●		●●		
	Avalanche	●					●●	●						
	Ground subsidence										●●	●●	●●	
Ecosystems	Tundra	●●●	●			●●	●●		●●		●●	●●	●●	●
	Forest	●●				●●	●●				●●	●●	●●	
	Lakes/ponds										●●	●	●●	
	Rivers/streams	●	●	●	●	●●	●●●			●	●	●	●	
Human systems and ecosystem services	Tourism	●●	●		●	●●	●●●	●	●	●		●		
	Agriculture	●●	●	●					●					
	Infrastructure	●●●					●●●				●●	●●	●●	
	Migration ⁴	●	●●								●●	●●	●●	
	Cultural services	●●	●●			●	●●●		●		●	●●	●●	

² includes Hindu Kush, Karakoram, Hengduan Shan, and Tien Shan; ³ tropical Andes, Mexico, eastern Africa, and Indonesia;

⁴ includes Finland, Norway, and Sweden; ⁵ includes adjacent areas in Yukon Territory and British Columbia, Canada; ⁶ Migration refers to an increase or decrease in net migration, not to beneficial/adverse value.

IPCC WGII AR6 Timeline

JAN	21 – 25 Jan 2019 First Lead Author Meeting (Durban, South Africa)
APR	26 April 2019 Internal Draft submitted to TSU 29 April – 9 May 2019 TSU compile Internal Draft
MAY	10 May – 21 June 2019 Internal Draft Review
JUN	28 June 2019 TSU send compiled review comments to CLAs
JUL	15 – 19 July 2019 Second Lead Author Meeting (Kathmandu, Nepal)
OCT	4 October 2019 First Order Draft submitted to TSU 7 – 18 October 2019 TSU compile First Order Draft
OCT	18 October – 13 December 2019 Expert Review of First Order Draft
DEC	20 December 2019 TSU send compiled review comments to CLAs
JAN	27 January – 1 February 2020 Third Lead Author Meeting (Faro, Portugal)
NOV	1 November 2020 Cut-off date for submitted papers 6 November 2020 Second Order Draft submitted to TSU 6 November – 4 December 2020

✓ Confirmed extensions in response to the COVID-19 pandemic

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Cut-off date for submitted papers

6 November 2020

Second Order Draft submitted to TSU

6 November – 4 December 2020

TSU compile Second Order Draft

DEC 4 December 2020 – 29 January 2021

Expert and Government Review of Second Order Draft

JAN 4 February 2021

TSU send compiled review comments to CLAs

MAR 1 – 7 March 2021

Fourth Lead Author Meeting (*Guatemala; specific location and dates to be confirmed in consultation with host, and pending sufficient health and safety measures are in place*)

MAY 1 May 2021

Cut-off date for accepted papers

14 May 2021

Final Draft submitted to TSU

17 – 27 May 2021

TSU compile Final Draft

JUL 28 May – 23 July

Final Government Distribution of the Final Draft and Government Review of the Summary for Policymakers

OCT 4 – 8 October 2021

12th Session of Working Group II and 55th Session of the IPCC: Approval of the Summary for Policymakers, acceptance of the underlying Report

Extensions are expected for these dates

Contenidos

1. Point of departure and key concepts

SECTION 1: Risks, adaptation and sustainability for systems impacted by climate change

2. Terrestrial and freshwater ecosystems and their services
3. Ocean and coastal ecosystems and their services
4. Water
5. Food, fibre, and other ecosystem products
6. Cities, settlements and key infrastructure
7. Health, wellbeing and the changing structure of communities
8. Poverty, livelihoods and sustainable development

Contenidos

SECTION 2: Regions

9. Africa

10. Asia

11. Australasia

12. Central and South America

13. Europe

14. North America

15. Small Islands

Contenidos

CROSS CHAPTER PAPERS

Biodiversity Hotspots

Cities and Settlements by the sea

Deserts, semi arid areas and desertification

Mediterranean region

Mountains

Polar Regions

Tropical Forests

Contenidos

SECTION 3: Sustainable development pathways: integrating adaptation and mitigation

- 16: Key risks across sectors and regions
- 17: Decision-making options for managing risk
- 18: Climate resilient development pathways

Chapter 5

- Climate-driven historical changes in agriculture, fisheries and forestry, detection and attribution of impacts, including impacts of adaptation and mitigation responses, considering key findings of other reports
- Current and projected risks for food and nutrition security, food systems on land and in the ocean, and the food-energy-water-health nexus
- Current and projected risks for wood, fibre and natural products, such as medicinal organisms, rubber and dyes
- Adaptation options for the production and use of food, fibre, and other ecosystem products across scales and regions including limits and barriers, knowledge systems and aspects of sustainable development
- Competition for the use of land and ocean, including conflicts with indigenous rights to land and water bodies, and other tradeoffs in the context of adaptation and mitigation responses

Comentarios

Desafío de aportar más allá del SRCCLand

Enfasis en Seguridad Alimentaria

Incorporación de Nexo Agua-Energía-Alimentos

Límites de Adaptación