

IPCC Sixth Assessment Cycle: Looking ahead to SROCC and SRCCL

**The IPCC Sixth Assessment Cycle
(2015 – 2022)**

**Thelma Krug
IPCC Vice-Chair**

ipcc

INTERGOVERNMENTAL PANEL ON climate change



IPCC Sixth Assessment Cycle

The role of the IPCC is...

“...to assess on a comprehensive, objective, open and transparent basis the scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts and options for adaptation and mitigation.”

“IPCC reports should be neutral with respect to policy, although they may need to deal objectively with scientific, technical and socio-economic factors relevant to the application of particular policies.”

(Principles Governing IPCC Work, paragraph 2

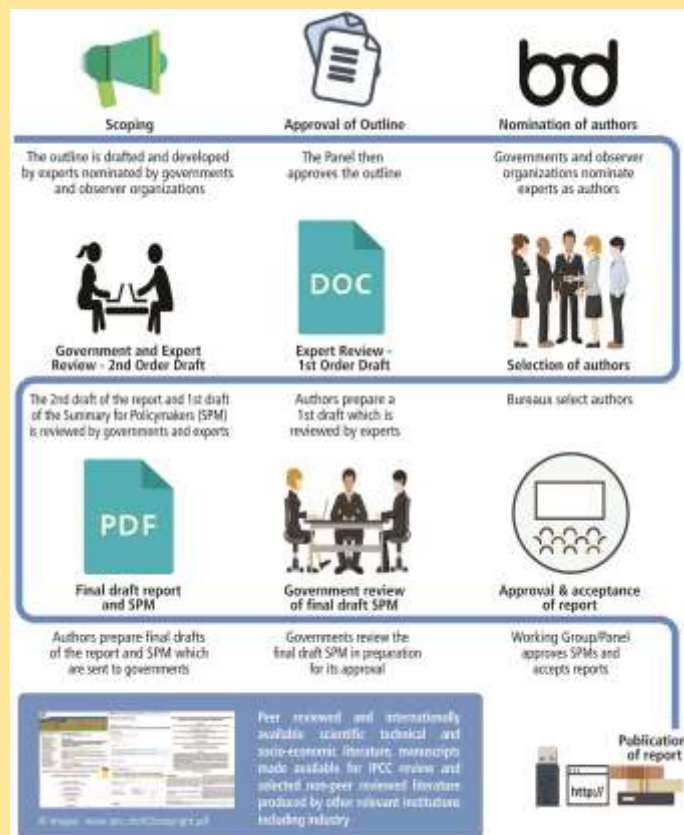
Source: <http://www.ipcc.ch/pdf/ipcc-principles/ipcc-principles.pdf>)

ipcc

INTERGOVERNMENTAL PANEL ON climate change



How the IPCC produces its reports



The IPCC Sixth Assessment Cycle – AR6

Special Reports

October 2018

Global warming of 1.5° C

An IPCC special report on the impacts of global warming of 1.5° C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

August 2019

Climate Change and Land:

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

September 2019

Special Report on the Ocean and Cryosphere in a Changing Climate

The IPCC Sixth Assessment Cycle – AR6



Special Report on Climate Change and Land

Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems

Chapter 1: Framing and Context

Chapter 2: Land–Climate interactions

Chapter 3: Desertification

Chapter 4: Land Degradation

Chapter 5: Food Security

Chapter 6: Interlinkages between desertification, land degradation, food security and GHG fluxes: synergies, trade-offs and integrated response options

Chapter 7: Risk management and decision making in relation to sustainable development

Special Report on the Ocean and Cryosphere in a Changing Climate

Chapter 1: Framing and Context of the Report

Chapter 2: High Mountain Areas

Chapter 3: Polar Regions

Chapter 4: Sea Level Rise and Implications for Low Lying Islands, Coasts and Communities

Chapter 5: Changing Ocean, Marine Ecosystems, and Dependent Communities

Chapter 6: Extremes, Abrupt Changes and Managing Risks

2019 Refinement to the 2006 IPCC Guidelines for National GHG Inventories

Overview Chapter

Volume 1: General Guidance and Reporting

Volume 2: Energy

Volume 3: Industrial Processes and Product Use

Volume 4: Agriculture, Forestry and Other Land Use

Volume 5: Waste

Working Group I: The Physical Science Basis

- Chapter 1: Framing, context, methods
- Chapter 2: Changing state of the climate system
- Chapter 3: Human influence on the climate system
- Chapter 4: Future global climate: scenario-based projections and near-term information
- Chapter 5: Global carbon and other biogeochemical cycles and feedbacks
- Chapter 6: Short-lived climate forcers
- Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity
- Chapter 8: Water cycle changes
- Chapter 9: Ocean, cryosphere, and sea level change
- Chapter 10: Linking global to regional climate change
- Chapter 11: Weather and climate extreme events in a changing climate
- Chapter 12: Climate change information for regional impact and for risk assessment

Working Group II: Impacts, Adaptation, Vulnerability

Chapter 1: Point of departure and key concepts

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

Chapter 2: Terrestrial and freshwater ecosystems and their services

Chapter 3: Ocean and coastal ecosystems and their services

Chapter 4: Water

Chapter 5: Food, fibre, and other ecosystem products

Chapter 6: Cities, settlements and key infrastructure

Chapter 7: Health, wellbeing and the changing structure of communities

Chapter 8: Poverty, livelihoods and sustainable development

Working Group II: Impacts, Adaptation, Vulnerability

SECTION 2: Regions

Chapter 9: Africa

Chapter 10: Asia

Chapter 11: Australasia

Chapter 12: Central and South America

Chapter 13: Europe

Chapter 14: North America

Chapter 15: Small Islands

SECTION 3: Sustainable development pathways: integrating adaptation and mitigation

Chapter 16: Key risks across sectors and regions

Chapter 17: Decision-making options for managing risk

Chapter 18: Climate resilient development pathways

Working Group III: Mitigation of Climate Change

Chapter 1: Introduction and Framing

Chapter 2: Emissions trends and drivers

Chapter 3: Mitigation pathways compatible with long-term goals

Chapter 4: Mitigation and development pathways in the near- to mid-term

Chapter 5: Demand, services and social aspects of mitigation

Chapter 6: Energy systems

Chapter 7: Agriculture, Forestry, and Other Land Uses (AFOLU)

Chapter 8: Urban systems and other settlements

Working Group III: Mitigation of Climate Change

Chapter 10: Transport

Chapter 11: Industry

Chapter 12: Cross sectoral perspectives

Chapter 13: National and sub-national policies and institutions

Chapter 14: International cooperation

Chapter 15: Investment and finance

Chapter 16: Innovation, technology development and transfer

Chapter 17: Accelerating the transition in the context of sustainable development