



IPCC Sixth Assessment Report Outline

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INTERGOVERNMENTAL PANEL ON climate change



WG-III AR6 Bureau

Position	Name	Country
Co-Chair	<u>Priyadarshi R. Shukla</u>	India
Co-Chair	<u>Jim Skea</u>	United Kingdom of Great Britain and Northern Ireland
WG Vice-Chair	<u>Amjad Abdulla</u>	Maldives
WG Vice-Chair	<u>Carlo Carraro</u>	Italy
WG Vice-Chair	<u>Diriba Korecha Dadi</u>	Ethiopia
WG Vice-Chair	<u>Nagmeldin G. E. Mahmoud</u>	Sudan
WG Vice-Chair	<u>Ramón Pichs-Madruga</u>	Cuba
WG Vice-Chair	<u>Andy Reisinger</u>	New Zealand
WG Vice-Chair	<u>Diana Ürge-Vorsatz</u>	Hungary

Aspirations of new Bureau

Enhance participation of developing country experts

Deepen engagement between Working Groups

Strengthen links between the insights obtained from high level integrated assessment modelling and the concrete steps required to mitigate climate change

Increase policy relevance and neutrality by incorporating inputs from business, industry and finance

Enhance the relevance for policymakers charged with following through decisions made under the Framework Convention

Connect to domestic challenges such as job creation, economic diversification, health, innovation and technology development, energy access and poverty alleviation

Challenges for AR6

AR5 achieved a systemic view of mitigation opportunities. But there is a need to include a wider range of approaches in the assessment, including national and regional modelling as well as global models.

Challenges for AR6:

- To assess the linkages between high-level climate stabilization goals and scenarios on the one hand and the practical steps needed in the short- and medium-term to make the realisation of these goals possible
- To make greater use of social science disciplines, in addition to economics, especially for gaining insight into issues related to lifestyle, behaviour, consumption, technological choices and socio-technical transitions.
- To link climate change mitigation better to other agreed policy goals nationally and internationally (e.g. the Sustainable Development Goals - SDGs).

Government questionnaire: priority topics for WG III

Policy relevant information on the Paris Agreement goals (well below 2°C, efforts to achieve 1.5°C, climate neutrality); anticipate the global stocktake; transformation pathways to meet 2°C and 1.5°C; social + financial + technological + sectoral + regional implications of pathways	19
Geo-engineering, including limits, negative emissions	7
The role of short-lived climate pollutants and other benefits	6
Options for decarbonization pathways, including solutions from business	6
Links between climate change and SDGs	5
Technological, economic, social, and institutional barriers to realizing mitigation targets and benefits from carbon offset mechanisms	4
Opportunities, challenges, barriers and co-benefits of climate change mitigation policies and measures	3
Impacts on land-use change, including ecosystem restoration, biodiversity and ecosystem functions and services	3

Agreed outline of WG III AR6

Framing (1 chapter)

1. Introduction and framing

Set up sustainable development as key framing concept

High-level assessment of emission trends, drivers and pathways (3 chapters)

2. Emissions trends and drivers

3. Mitigation pathways compatible with long-term goals

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

Balancing sources and sinks/warming levels

NDCs, emissions peaking, mid-century long-term low greenhouse gas emission development strategies

Sectoral chapters (8 chapters)

5: Demand, services and social aspects of mitigation

Orients sectors to human needs

6: Energy systems

9. Buildings

7. Agriculture, Forestry, and Other Land Uses

10. Transport

8. Urban systems and other settlements

11. Industry

The sectoral core: maps on to inventories

12. Cross sectoral perspectives

Responses not captured by sectoral framing

Institutional drivers (2 chapters)

13. National and sub-national policies and institutions

14. International cooperation

Institutions, policies and cooperation

Financial and technological drivers (2 chapters)

15. Investment and finance

16. Innovation, technology development and transfer

Financial flows + technological innovation

Synthesis (1 chapter)

17. Accelerating the transition in the context of sustainable development

Synthesis sustainable development in different geographical scales

Chapter 6: Energy systems

- Energy services, energy systems and energy sector, integrations with other systems (including food supply system, buildings, transportation, industrial systems)
- Energy resources (fossil and non-fossil) and their regional distribution
- Global and regional new trends and drivers
- Policies and measures and other regulatory frameworks; and supply and demand systems
- Fugitive emissions and non-CO2 emissions
- Global and regional new trends for electricity and low carbon energy supply systems, including deployment and cost aspects.
- Smart energy systems, decentralized systems and the integration of the supply and demand
- Energy efficiency technologies and measures
- Mitigation options (including CCS), practices and behavioral aspects (including public perception and social acceptance)
- Interconnection, storage, infrastructure and lock-in
- The role of energy systems in long-term mitigation pathways
- Bridging long-term targets with short and mid-term policies
- Sectoral policies and goals (including feed-in tariffs, renewables obligations and others)
- Mainstreaming climate into energy policy

Timeline for WGIII contribution to AR6

26-28 April 2017	Expert Meeting on Mitigation, Sustainability and Climate Stabilization Scenarios
1-5 May 2017	AR6 Scoping Meeting
6-10 Sept	Panel consideration of outline for AR6
15 Sept – 27 Oct 2017	Call for CLA/LA/RE Nominations
29 Jan – 4 Feb 2018	Decision on selection of CLA/LA/RE
1-5 Apr 2019	1st Lead Author Meeting (LAM1)
30 Sep – 4 Oct 2019	2nd Lead Author Meeting (LAM2)
9 Dec 19 – 31 Jan 20	1st Order Draft (FOD) Expert Review
30 Mar – 3 Apr 3 2020	3rd Lead Author Meeting (LAM3)
1 Jun – 24 Jul 2020	2nd Order Draft (SOD) Expert Review
19-23 Oct 2020	4th Lead Author Meeting (LAM4)
1 Feb – 26 Mar 2021	FGD Government Review of SPM
12-14 Jul 2021	IPCC acceptance/adoption/approval





Thank you for your attention

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