

# The IPCC Seventh Assessment Cycle (AR7): WGIII Global Mitigation Measures

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# Report Process | Ten Steps

## 1 Scoping

The outline is drafted and developed by experts nominated by governments and observer organizations.

## 2 Approval of Outline

The Panel approves the outline.

## 3 Nomination of Authors

Governments and observer organizations nominate experts as authors.

## 4 Selection of Authors

The Bureau selects authors.

## 5 Expert Review First Order Draft (FOD)

Authors prepare a first draft which is reviewed by experts.

## 6 Government and Expert Review Second Order Draft (SOD)

The second draft of the report and first draft of the Summary for Policymakers (SPM) are reviewed by governments and experts.

## 7 Final Draft Report and SPM

Authors prepare final draft of the report and SPM which are sent to governments.

## 8 Government Review of Final Draft SPM

Governments review the final draft in preparation for its approval.

## 9 Approval & Acceptance of Report

Working Group/Panel approves SPM and accepts reports.

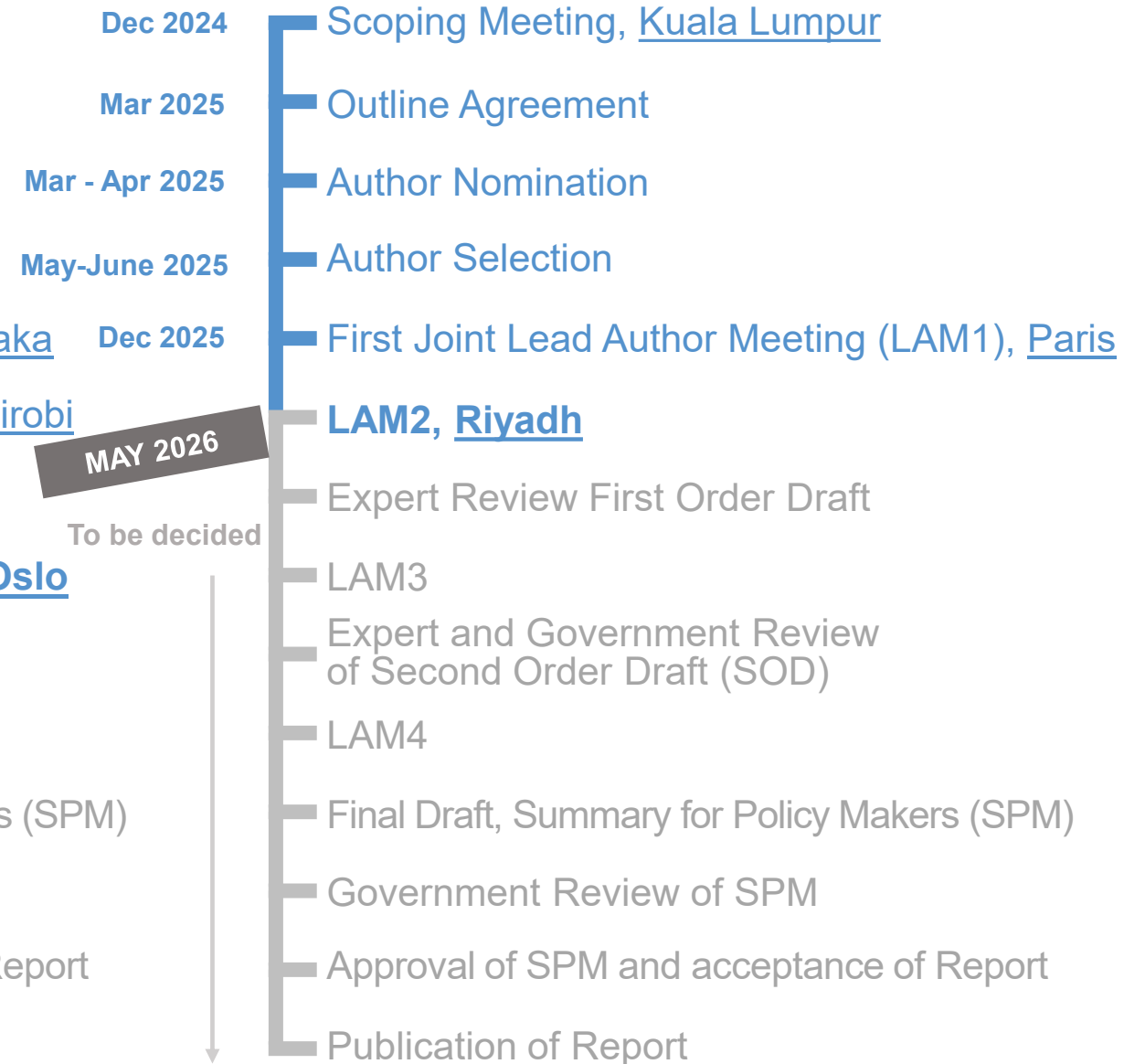
## 10 Publication of Report

# Report Timelines

## SR Cities



## WGIII AR7



## Outline of the IPCC Special Report on Climate Change and Cities / IPCC-61 in Sofia, Bulgaria



**SIXTY-FIRST SESSION OF THE IPCC**  
Sofia, Bulgaria, 27 July – 2 August 2024

IPCC-LXI/Doc. 2  
(19.VI.2024)  
Agenda Item: 4.1  
ENGLISH ONLY

### SEVENTH ASSESSMENT REPORT (AR7) PRODUCTS

#### Outline of the Special Report on Climate Change and Cities

(Prepared by the Scientific Steering Committee for the Scoping of the Special Report)

(Submitted by the Secretary of the IPCC)

**Cities in the context of climate change:**  
framing of the report

Cities in a changing climate: **trends, challenges and opportunities**

**Actions and solutions to reduce urban risks and emissions**

**How to facilitate and accelerate change**

**Solutions by city types and regions**

## Working Group III Contribution to the IPCC Seventh Assessment Report

1. Introduction and framing	
2. Past and current anthropogenic emissions and their drivers	{ • Past and current trends and futures, sustainable development and mitigation
3. Projected futures in the context of sustainable development and climate change	
4. Sustainable development and mitigation	
5. Enablers and barriers	{ • Factors that enable or constrain mitigation
6. Policies and governance and international cooperation	
7. Finance	
8. Services and demand	{ • Sectors, systems and their integration
9. Energy systems	
10. Industry	
11. Transport and mobility services and systems	
12. Buildings and human settlements	
13. Agriculture, Forestry and Other Land Use	
14. Integration and interactions across sectors and systems	
15. Potentials, limits, and risks of Carbon Dioxide Removal	{ • Carbon dioxide removal



Ashley Cooper/ Aurora Photos

## Urgent and far-reaching action

- Global carbon **emissions peak before 2030** in all pathways compatible with 1.5°C warming
- Emissions of **carbon dioxide fall by 45% by 2030**, reaching **net zero around 2050**, with deep cuts in methane and other emissions
- **Ethical and fair transitions**
- Limiting global warming to 1.5°C is not impossible, but **political and societal will** to accelerate transitions is key



## Greenhouse gas emissions pathways

- Limiting warming to 1.5°C would require changes on an unprecedented scale
  - Deep emissions cuts in all sectors
  - A range of technologies
  - Behavioural changes
  - Increased investment in low carbon options

Neil Emmerson / Aurora Photos

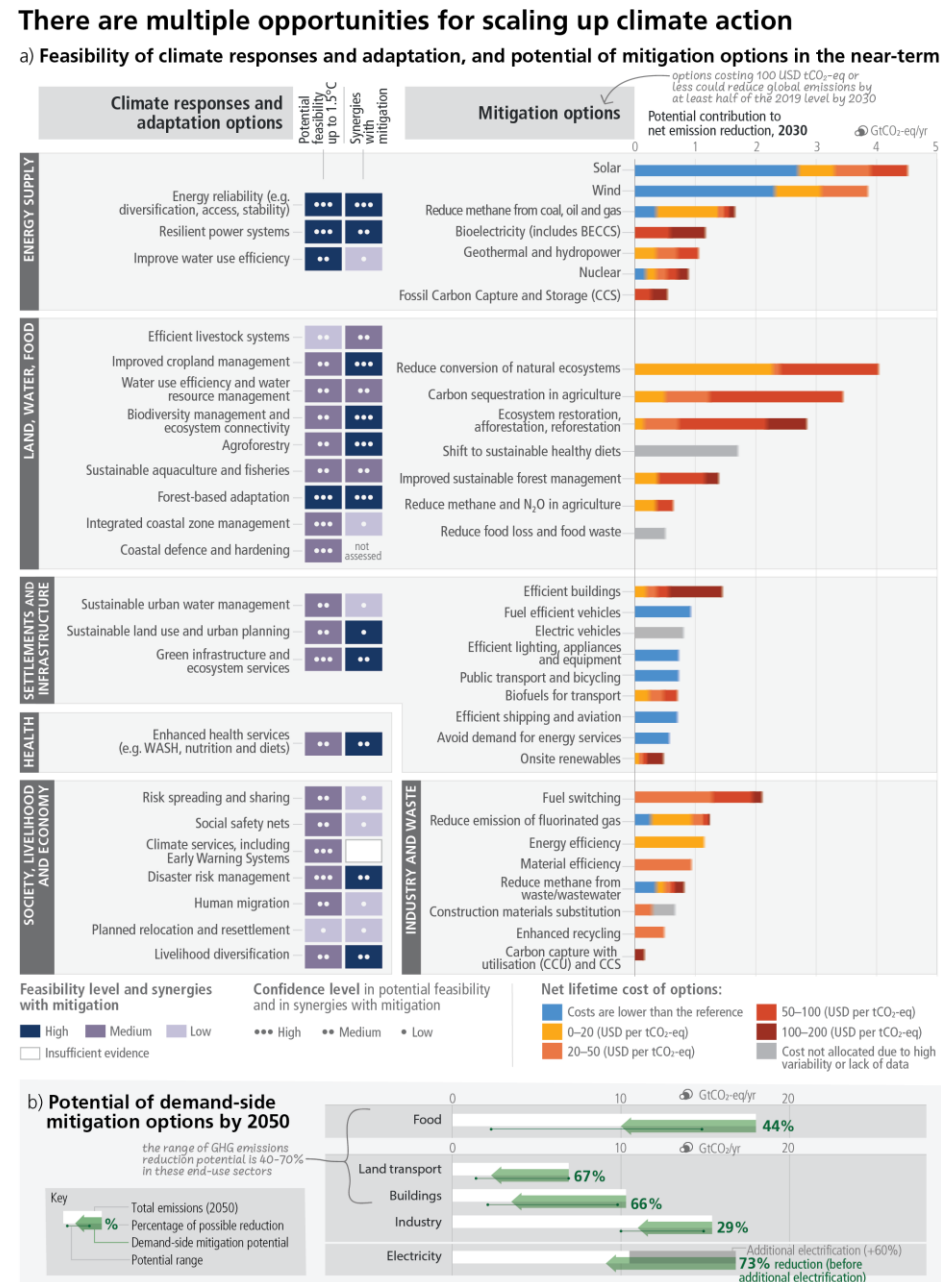
# Limiting warming to 1.5°C and 2°C involves rapid, deep, and in most cases immediate greenhouse gas emission reductions

IPCC AR6 Figure SPM.5

## There are multiple opportunities for scaling up climate action

### Near-term adaptation and mitigation actions have more synergies than trade-offs with Sustainable Development Goals (SDGs)

IPCC AR6 Figure 4.5





# The 7th Assessment Cycle

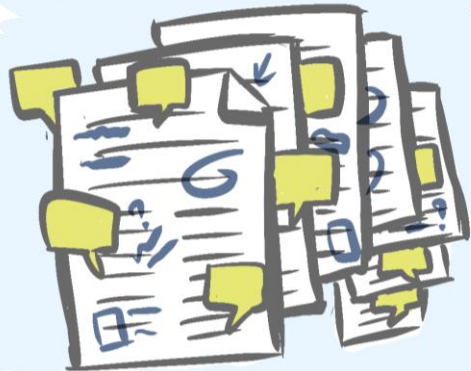
## WGIII Priorities

- **Inclusivity:** In the AR7 cycle, the Bureau is committed to increasing inclusivity among authors, experts and literatures, including both ensuring diversity in participation and ensuring the voices of all participants are heard.
- **Integration:** For AR7, we aim to have more integration of methodologies to provide a comprehensive assessment of each individual topic/question. In particular, this would include greater attention to equity, more integration of social sciences, and more synthesis of global findings with national, local, sectoral, and systems perspectives.
- **Impact:** The IPCC mandate is to assess the scientific and technical literature related to climate change in a policy relevant, but policy neutral manner. For AR7, we aim for a heightened focus on assessment to deliver key messages that are actionable.

# Ways to get involved



◀ **Scientists** can write papers and **compile journal special issues** – including topics emphasized in the outline



◀ **Professionals** can help with **reviews** –

- Expert Review of First Order Draft
- Government & Expert Review of Second Order Draft



◀ **Stakeholder networks** can help with **outreach** (e.g. factsheets)

## THANK YOU VERY MUCH!