



# Task Force on National Greenhouse Gas Inventories

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**ipcc**  
INTERGOVERNMENTAL PANEL ON climate change



# Task Force on National GHG's Inventories (TFI)

- The IPCC is a globally respected **authority in climate science**
  - Provides the gold standard for GHG emissions and removals estimation methodologies
  - Relied upon by governments and organizations worldwide.
- The TFI
  - Produces **methodologies** for the estimation of GHG emissions and removals.
  - Encourages the widespread use of the IPCC methodologies through **workshops, information materials**, and the production of the **IPCC inventory software**.
- The work of the TFI is undertaken at the request of IPCC member governments
  - Managed by two elected Co-Chairs and an elected Bureau with twelve members
  - Supported by a **Technical Support Unit** based in Japan.



## Methodology Reports



# Methodology Reports

For the **IPCC's Seventh Assessment cycle** the TFI has been tasked with the production of two new Methodology Reports:

- Emissions of short-lived climate forcers (SLCF):
  - Atmospheric compounds that despite their short lifetime, compared to long-lived greenhouse gases, have a significant impact on climate change.
- Net emissions from carbon dioxide removal (CDR) technologies and carbon capture utilization and storage (CCUS) activities:
  - CDR refers to **deliberate** technologies, practices, and approaches that **remove carbon dioxide from the atmosphere** and **durably store** it.
  - CCUS involves capturing carbon dioxide emissions from **industrial sources** or directly from the **atmosphere**, **utilizing** the captured CO<sub>2</sub>, and **storing** the remaining CO<sub>2</sub> in **geological formations**.



# Methodology Reports

## Why produce these Methodology Reports?

- Expanding on the 2006 IPCC Guidelines for National GHG Inventories and the 2019 refinement to these guidelines, not replacing.
- A methodology report for SLCF will contribute to improved climate data for modelling.
- Increased need for a methodology report for CDR and CCUS due to new technology and economic trends.



# Methodology Reports

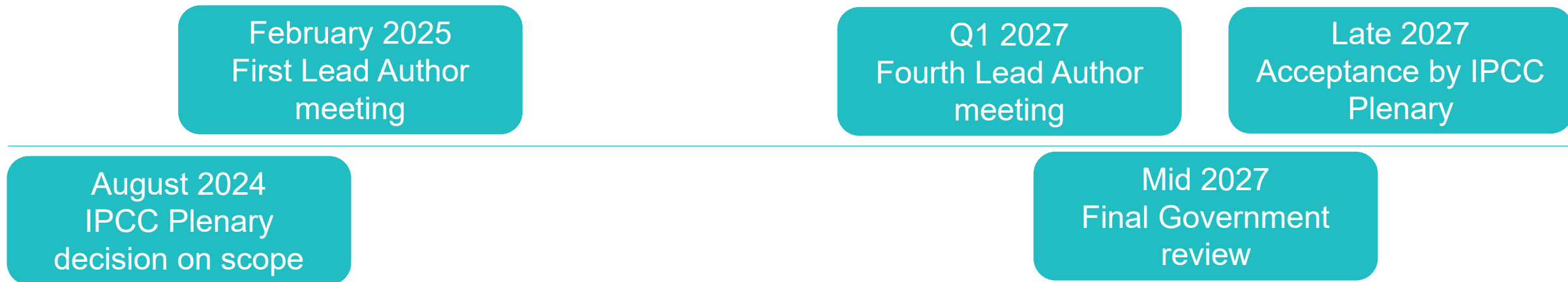
## Process for producing the methodology reports

- Meetings of IPCC Experts – preparing supporting material for the scoping meeting.
- Scoping meeting – produce a proposal for the scope and outline of the methodology report.
- Approval of outline by the IPCC.
- Development of the guidance with regular lead author meetings as chapters progress.
- Approval of the methodology report by the IPCC Panel.

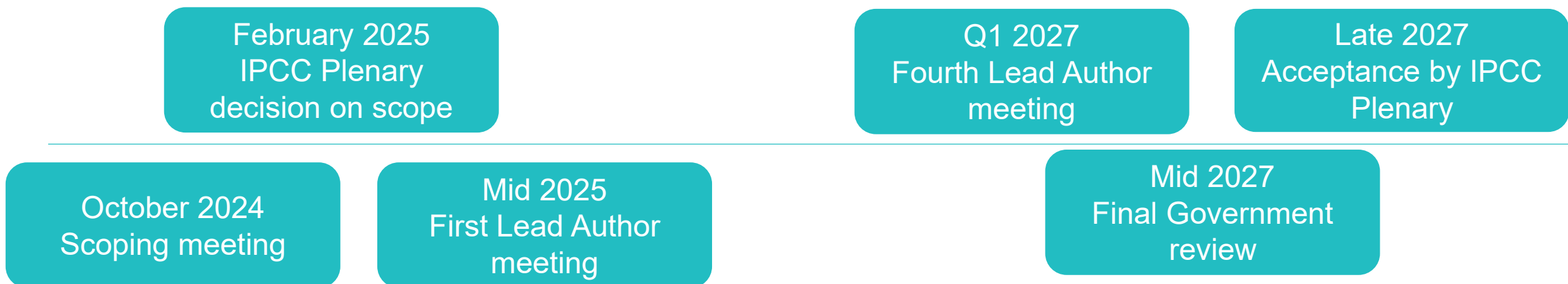


# Methodology Reports

## Timeline: SLCF



## Timeline: CDR and CCUS



## Encouraging the use of IPCC methodologies



# IPCC Software

- Redevelopment of the IPCC software in 2024
- Designed to offer maximum flexibility and enhanced consistency with IPCC Guidelines
- Integrated with the UNFCCC's new Emission Reporting Tool
- Interoperability function will improve accuracy and save resources for parties reporting under the Paris Agreement



# Support activities

- Upcoming support activities:
  - Training programme on GHG inventories for national experts from developing countries  
UNFCCC & GIR – Seoul, South Korea
  - IPCC Software demonstration workshop  
TFI IPCC – Baku, Azerbaijan



# Summary

- The TFI has two major mandates:
  - Producing methodologies for the estimation of GHG emissions and removals
  - Encouraging the use of the IPCC methodologies through workshops, information materials, and the production of the IPCC inventory software.
- Over 2024-27 two Methodology Reports will be developed
  - Carbon Dioxide Removal Technologies and Carbon Capture, Utilisation and Storage
  - Short-Lived Climate Forcers
- In 2024 the IPCC TFI inventory software has been redeveloped to link to the UNFCCC emission reporting tool, increasing accuracy and reducing resource requirements of inventory teams reporting to the Paris Agreement.



# THANK YOU

FOR YOUR ATTENTION

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