

TFI Activities in the IPCC Seventh Assessment Cycle

Work Programme, Recent Progress and Next Steps

ASSESSMENT CYCLE

TASK FORCE ON NATIONAL GREENHOUSE GAS INVENTORIES

TECHNICAL SUPPORT UNIT



Task Force on National Greenhouse Gases Inventories (TFI)

SEVENTH ASSESSMENT CYCLE

ipcc
INTERGOVERNMENTAL PANEL ON climate change



the **TSU** of the IPCC TFI
is hosted by **IGES**
in Hayama, **Japan**

The **TFI** operates within the **IPCC system** and provides the institutional basis for IPCC work on **national greenhouse gas inventories**.

- Part of the IPCC with **over 25 years of experience**
- Guided by **two Co-Chairs** and the **twelve Bureau members**
- Supported by a **Technical Support Unit** hosted by IGES in Japan



The purpose of the TFI

To provide governments with *scientifically sound*, *internationally agreed* and *widely applicable* **methods** for preparing **national greenhouse gas inventories**



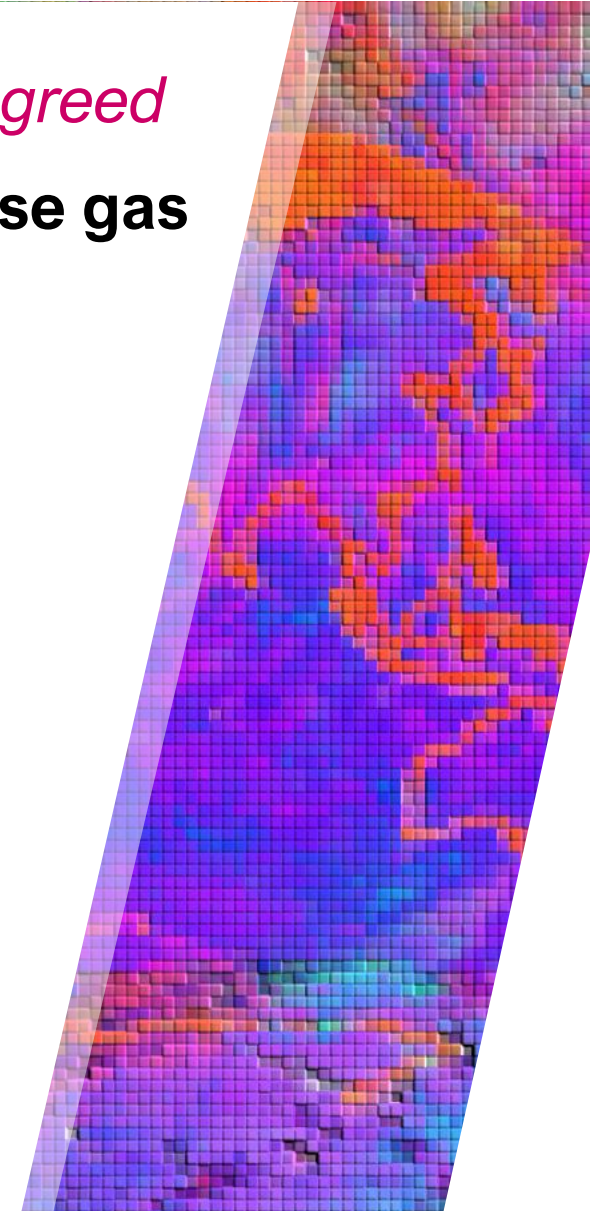
Scientific credibility

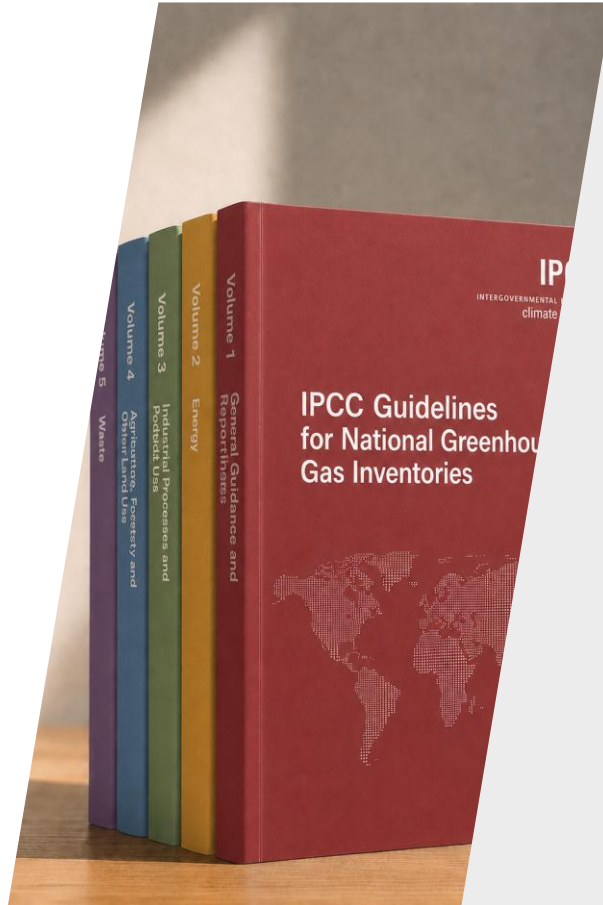


International consistency



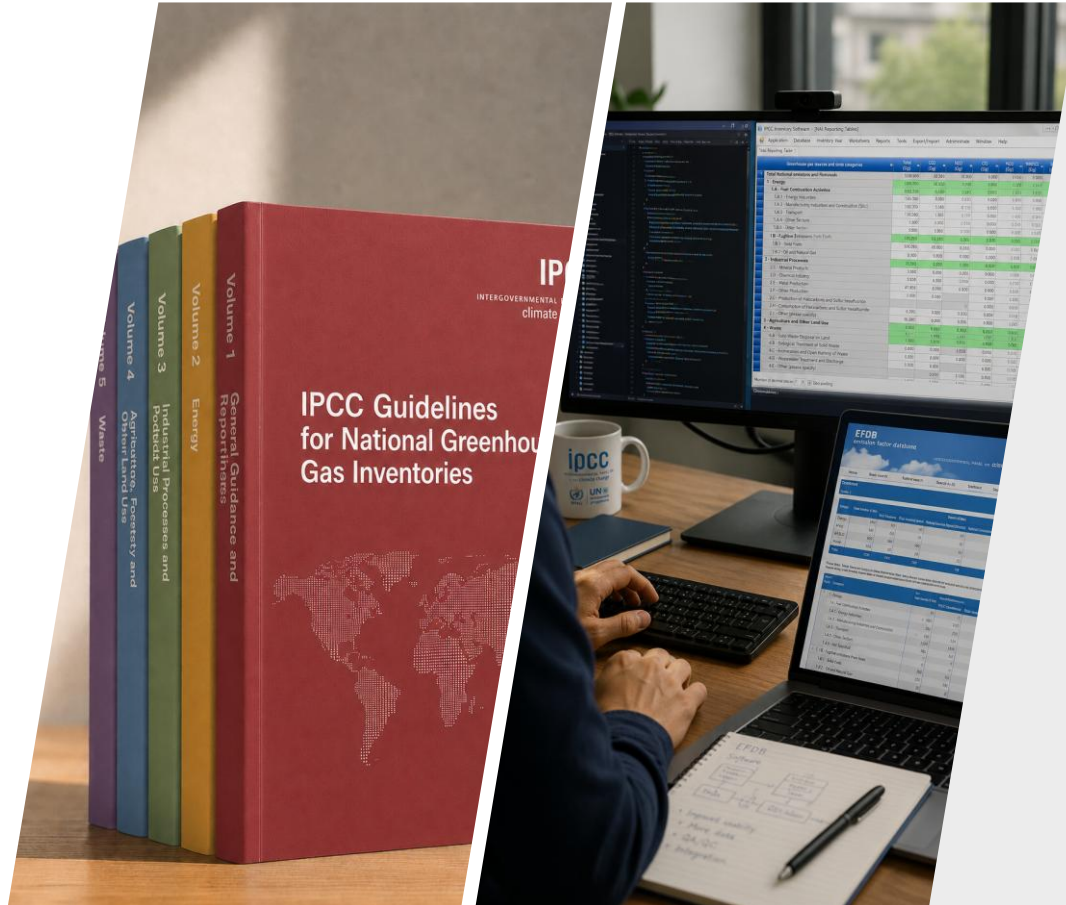
Usability across countries





1. Development of two Methodological Reports:

- 2027 IPCC Methodology Report on Inventories for **Short-lived Climate Forcers**. (*SLCF*)
- 2027 IPCC Methodology Report on **Carbon Dioxide Removal Technologies and Carbon Capture, Utilization and Storage** Activities (additional guidance). (*CDR/CCUS*)



2. Tool development and support

IPCC Inventory Software:

- Interoperability with the **UNFCCC** ETF Reporting tool, Uncertainty Analysis, other developments

IPCC Emission Factor Database:

- New **interface** and **improved usability**, new ways to import and export data.

TFI work programme in AR7 Cycle

SEVENTH ASSESSMENT CYCLE

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3. Expert Engagement

TFI Expert Meetings

Global and Regional Engagement

New Communications Strategy

Why current TFI work matters for WGIA participants

- **New methodologies and tools** will influence future national inventory work.
- Improved software and data access can make inventory preparation more **efficient, transparent and consistent**.
- Diverse *national circumstances, data and experience from across Asia* should **inform** globally applicable **guidance and tools**.
- WGIA helps connect *practical national needs* with the *future development* of **IPCC inventory methodologies and support tools**.

SLCF Methodology Report

Why it matters

- Provides **inventory methodology** for *short-lived climate forcers*.
- Covers **all IPCC inventory sectors** and relevant categories.
- Important for countries interested in improving estimates of *climate-relevant short-lived species and air pollutants*
- Builds on the structure and principles of existing IPCC inventory guidance.



CDR/CCUS Methodology Report

Why it matters

- Growing *policy* and *scientific interest* in CDR and CCUS.
- Need for *consistent* inventory treatment.
- Covers **carbon dioxide** *removal technologies* and *capture, utilization and storage activities*.
- Important questions include capture, transport, storage, use, *permanence, boundaries* and *avoiding double counting*.



TFI Methodology Reports

Status and Next Steps

	SLCF Methodology Report	CDR/CCUS Methodology Report
 Where we are	Advanced drafting stage	Early drafting stage
 Last Major milestone	Third Lead Author Meeting (April): - Expert review results discussed - Drafting progress assessment	First Lead Author Meeting (April): - Kickstart of the Report - Chapter allocation
 Current Focus	- Addressing review comments - Preparing <i>Second Order Draft</i>	- Preparing for LAM2 in August - Preparing <i>First Order Draft</i>
 Next Major milestone	End of August Submission of the Second Order Draft for Governments and Experts Review	Early November Submission of the First Order Draft for Experts Review

IPCC Inventory Software

What it is

A **free tool** developed by the IPCC TFI to support countries in compiling **national GHG inventories** using **IPCC methodologies**.

Why it is useful

- Organizes and archives *inventory data*, *calculations*, *documentation* and *supporting information* in a **structured system**.
- Supports the consistent application of *IPCC methods*, transparent estimates and reporting under the **UNFCCC/Paris Agreement**.

Plans for the 7th Assessment Cycle

Continue *maintenance* and *improvements*, strengthen *user support*, and move towards an *open-source platform*, guided by user feedback and evolving inventory needs.



What it is

A **free online database** managed by the IPCC TFI, bringing together published emission-factor data and **IPCC default emission factors** across all major inventory sectors.

Why it is useful

- Helps inventory compilers **identify suitable data** for their national circumstances.
- Provides a **transparent and traceable evidence base** for assessing IPCC default factors and informing future methodological updates.

Plans for the 7th Assessment Cycle

Renew the platform and strengthen its **data collection, quality control and analytical functions**, while continuing to expand and update its content.

[illegible]

Additional TFI priorities

Expert meetings and regional engagement

- Gathering user feedback through TFI expert meetings in *Chile in 2025*, *Kenya in 2026*, and potentially *Asia in 2027*.
- Providing technical support and contributing TFI expertise to *regional* and *global* partner activities.

Consolidation of IPCC Guidelines

Bringing existing inventory guidance together in a structure that is *easier to navigate and use*. (2006 Guidelines, 2013 Supplement and 2019 Refinement)

Website redevelopment and launch

Modernizing access to TFI guidance, tools, meeting information and supporting materials



Ways to contribute to TFI work



Participating in *expert and government reviews*.



Publishing and sharing relevant *methodological research*.



Submitting *data* proposals to the EFDB.



Providing *feedback* on the IPCC Inventory Software.



Sharing *regional experience* through meetings such as WGIA.



“TERIMA KASIH”

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ipcc-nggip.iges.or.jp



nggip-tsu@iges.or.jp

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