

Session SB64 (2026)

Session starts: 08-03-2026

Facilitative, Multilateral Consideration of Progress

A compilation of questions to – and answers by – **Italy**
Exported on 27-05-2026 by the UNFCCC secretariat

Title: GHG Inventory methodologies and mitigation measures

Question From Party: Canada

Question raised on: 08.04.2026 CEST

Question Category: National inventory report

Question: What processes do you have in place to ensure inventory methodologies effectively reflect changes in activities/practices resulting from mitigation measures?

Answer:

Inventory methodologies effectively reflect changes in activities and practices resulting from mitigation measures through a centralized, legally established system.

A single entity, ISPRA (the Environmental Agency), is responsible for both the national greenhouse gas (GHG) inventory and emission projections. This institutional arrangement ensures coherence between historical emissions estimates and forward-looking assessments, allowing methodological updates to consistently capture the effects of implemented mitigation measures.

ISPRA operates under the National System for the GHG Inventory and for Policies and Measures, established by Law n. 79/2016.

Within this framework, the following processes are in place:

Integrated data collection: Continuous updates of activity data from relevant sectors ensure that changes in technologies, fuel use, and practices driven by mitigation policies are captured.

Methodological updates: Regular revisions of inventory methods in line with Intergovernmental Panel on Climate Change guidelines incorporate latest available scientific knowledge and reflect structural changes in emission sources.

Consistency between inventory and projections: Close integration between inventory compilation and emission projections enables the systematic inclusion of policy impacts.

QA/QC procedures: Established quality assurance and quality control processes, along with periodic reviews, verify that methodological changes appropriately reflect real-world developments.

Title: New technologies in GHG Inventory development

Question From Party: Canada

Question raised on: 08.04.2026 CEST

Question Category: National inventory report

Question: How have you been able to leverage new technologies such as artificial intelligence to improve GHG inventory development?

Answer:

Currently, Italy does not explicitly use AI technologies in developing its GHG inventory. Instead, it relies on established methodologies, including modeling approaches, standardized calculation tools, and robust processes for data collection and validation to ensure accuracy and transparency.

However, Italy continues to monitor developments in digital solutions, including AI, and remains open to adopting such technologies in the future where they can clearly enhance data quality, efficiency, or analytical capabilities.

Title: Fluorinated gas production

Question From Party: Canada

Question raised on: 08.04.2026 CEST

Question Category: National inventory report

Question: With regards to CRT 2.B.9.b, how does your country identify F-gas producers, determine the types of F-gases being produced, and track their production?

Answer:

Since 2008, Italy has no longer produced fluorinated gases. In the past, halocarbons and SF₆ were manufactured at two facilities in the country, which reported their production as well as imports and exports of fluorinated gases.

Currently, there is only one facility in Italy where HCFC-22 is produced as a precursor for the TFM (tetrafluoroethylene monomer) production process, used to manufacture TFE (tetrafluoroethylene, C₂F₄), PTFE (polytetrafluoroethylene), HFP (hexafluoropropylene), and other fluoropolymers and fluoroelastomers. The facility's owner continues to report annual production and emission data.
