

# INTEGRATED GLOBAL GREENHOUSE GAS INFORMATION SYSTEM

## ACTIVITY ENDORSEMENT CRITERIA

Accurate and precise atmospheric measurements of greenhouse gas (GHG) concentrations reveal the rapid and unceasing rise of global GHG concentrations due to human activity. The resulting increases in global temperatures, sea-level, glacial retreat, and other negative impacts are clear. In response to this evidence, nations, states, and cities, private enterprises and individuals have been accelerating GHG reduction efforts while meeting the needs of global development. The urgency, complexity and economic implications of GHG reductions demand strategic investment in science-based information for planning and tracking emission reduction policies and actions. In response, the World Meteorological Organization (WMO) Global Atmosphere Watch Program (GAW) and its partners have initiated the development of an Integrated Global Greenhouse Gas Information System (IG<sup>3</sup>IS). IG<sup>3</sup>IS combines atmospheric GHG concentration measurements and human-activity data in an inverse modeling framework to help decision-makers take better-informed action to reduce emissions of greenhouse gases and pollutants that reduce air quality. This service is based on existing and successful measurement and analysis methods and use-cases for which the scientific and technical skill is proven or emerging.

The foundational IG<sup>3</sup>IS principles that will enable the achievement of objectives and keep IG<sup>3</sup>IS on course are:

- The ultimate criterion for success is that the **information produced guides additional and valuable emission-reduction actions.**
- IG<sup>3</sup>IS will provide a **common platform, co-developed with stakeholders, for establishing benchmarks, good practices** utilizing diverse measurement and **analysis approaches inside a reliable framework.**
- IG<sup>3</sup>IS will take a **unified approach that combines and analyses atmospheric concentration measurements together with socioeconomic data** and information on natural fluxes to **better quantify and attribute greenhouse gas emissions and sinks as well as their trends.**

IG<sup>3</sup>IS matures in concert with the evolution of user needs, policy and technical skills. This will enable researchers to learn the value of envisioned information products and users are introduced to previously unknown capabilities.

IG<sup>3</sup>IS welcomes proposals for endorsement of developing, new or existing activities that will help to achieve its objectives and implement its vision. IG<sup>3</sup>IS endorsement of a project/activity will be based on the criteria described below.

Prior to application, the endorsement criteria for an IG<sup>3</sup>IS activity should be studied to make sure it qualifies. Additional information can be found online at <https://ig3is.wmo.int/>

## IG3IS ENDORSEMENT CRITERIA

*The project proposal should comply with:*

### Scope of the project

- Promote the use of atmospheric observations for the greenhouse gas emissions and/or uptake quantification.
- The project should fall under one of the IG<sup>3</sup>IS objectives and be implemented on National/Subnational/Industrial scale (Including an evaluation of the gaps in current infrastructure, knowledge and capacity).

### Meeting IG<sup>3</sup>IS principles

- Describe how the activity will meet the user/stakeholder needs and promote stakeholder interactions, support policy or inform important programs such as inventory development.
- How do the activity utilizes or contributes to IG<sup>3</sup>IS good practices.
- Describe how the observational and modeling data will be shared (WMO promotes open data policy).
- Describe how capacity building will be addressed within the projec (mobilizing local knowledge, engage with early career scientists, scientists from developing countries, and pursue gender balance as far as possible).
- Describe the financial sustainability of the project and how long term duration of outputs will be achieved.
- Describe the main elements of the workplan.

## Process for Seeking IG<sup>3</sup>IS Endorsement of a Project/Activity

1. About 5-pages proposal for the activity to be endorsed should be submitted to the [IG<sup>3</sup>IS Office](#), including the following information:
  - i. Title of the proposed activity
  - ii. Contact information
  - iii. Description of the activity using IG<sup>3</sup>IS Endorsement Criteria as guideline
  - iv. Institutions involved in the implementation & other initiatives the project will contribute to
2. The IG<sup>3</sup>IS SC will review the proposal for the endorsement, and unless further clarification is needed, a decision shall be sent within 3 months from the time the application is received.
3. If the activity is endorsed, the IG<sup>3</sup>IS SC holds the right to review the endorsement of the activity on a yearly basis. Additional reviews on the endorsement can be conducted if major changes affect the project development.
4. As soon as a confirmation of acceptance is sent by the WMO Secretariat, endorsed activities will be displayed on the IG<sup>3</sup>IS website project section. IG<sup>3</sup>IS recommends that any public documents, articles, website publications, etc. mentions that IG<sup>3</sup>IS endorses the activity, including the use of the IG<sup>3</sup>IS logo. It is recommended, under the framework of the endorsed activity, to sign an MoU with WMO if feasible
5. Endorsed activities are encouraged to participate at the SC meetings as observers and exchange information on the progress with the project implementation, including soliciting SC advise towards implementation.
6. IG<sup>3</sup>IS endorsed projects should report on annual basis (highlights of the project) to the IG<sup>3</sup>IS Steering Committee, and IG<sup>3</sup>IS office may request occasional contributions to IG<sup>3</sup>IS news in order to keep the community informed about the activity.
7. Endorsement will not include any direct funding from IG<sup>3</sup>IS for the activity.

*If requested to do so, IG<sup>3</sup>IS could provide programmatic suggestions (leadership, membership, etc.); link the activity to and help seek out collaborations with other international organizations; provide guidance for events (meetings, workshops, conference, etc.) related to the activity; supply letters of support for the activity; and provide support for accessing to international funding mechanisms.*