

G3W Q2 NEWSLETTER

G3W IMPLEMENTATION PHASE OFFICIALLY STARTS

Thanks to the efforts of the [Joint Study Group on WMO Greenhouse Gas Monitoring](#) (SG-GHG), co-chaired by Professor Gregory Carmichael and Doctor Vincent-Henri Peuch, the G3W Implementation Plan (IP) has been approved by [INFCOM-3](#) (the WMO Technical Commission for Infrastructure) and [EC-78](#) (the Executive Body of WMO). We are pleased to announce that the G3W Implementation and Pre-Operational Phase (IPP, 2024-27) has officially commenced.



INFCOM-3

On April 19th, 2024, the G3W Implementation Plan was approved by INFCOM-3 through the [Recommendation 7.2/1](#), after the plenary session carefully examined all elements of the plan. The transition of Research to Operational (R2O) activities for G3W was discussed in detail and the plan highlights actions to strengthen capacity development and reduce technology gaps in GHG surface-based measurements. An Operational to Research (O2R) will guarantee continuous development in coordination with WMO Research Board (RB).

EC-78

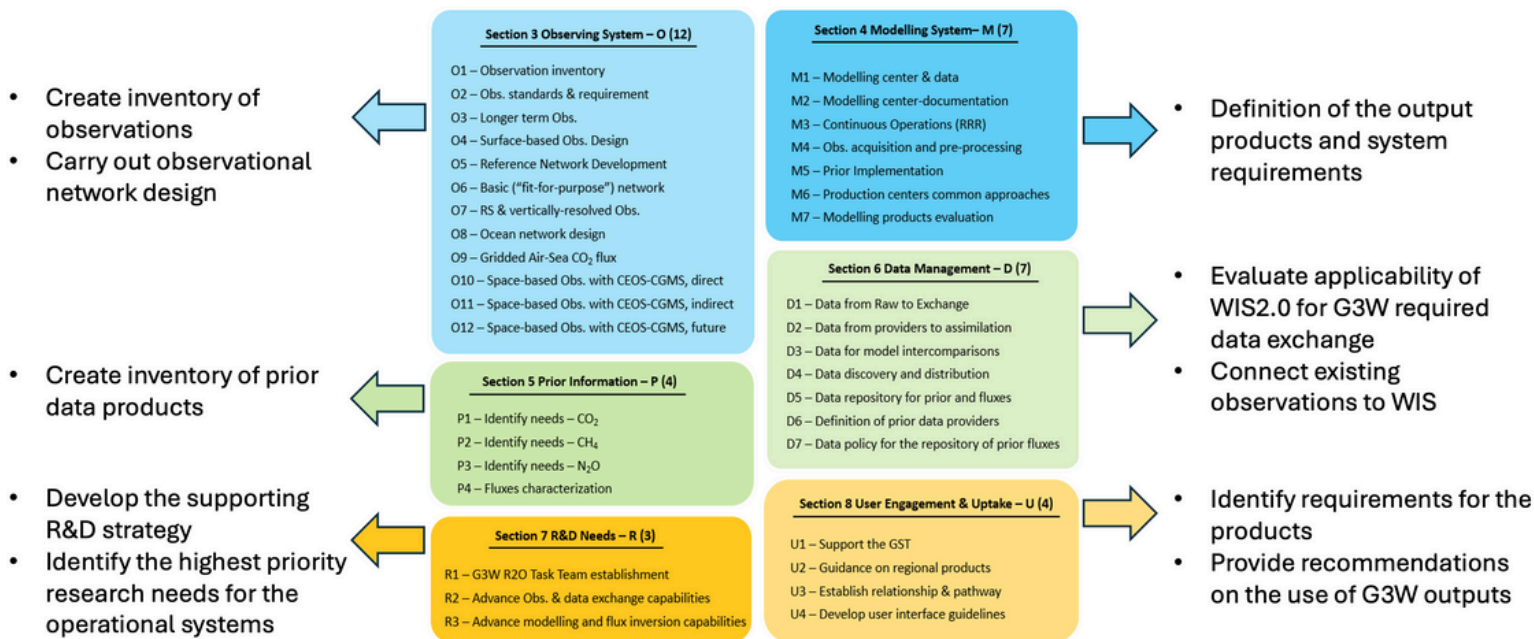
On June 10th, 2024, the G3W plans were unanimously endorsed by the WMO Executive Council (EC-78) through [Resolution 3.2/1](#). This resolution marks the beginning of the G3W implementation phase, including forming a G3W Joint Advisory Group (AG-G3W), co-chaired by INFCOM and Research Board, with the support of SERCOM. The AG-G3W will guide the implementation, with appropriate involvement of external stakeholders, and will be supported by the Climate Policy Advisers (CPA) of the Policy Advisory Committee (PAC) for the outreach and positioning at UN level.

For the 2024-2027 IPP, G3W will focus on:

- Forming a joint advisory group AG-G3W,
- Forming the Expert Teams and Task Teams on observation, modeling and data management,
- Implementing priority deliverables based on the endorsed plan of EC-78,
- Taking the first step of the G3W Resource Mobilization (RM) as part of the [WMO RM Strategy](#) approved by WMO Financial Committee FINAC-44.

G3W IP: PRIORITY DELIVERABLES

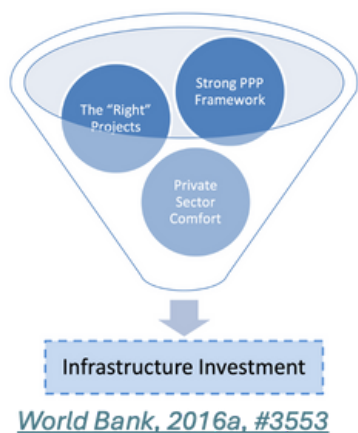
The priority deliverables for the advancement of G3W implementation are given hereafter :



Capacity building needs have been surveyed to assess the feasibility of the implementation, with [61 Member countries](#) already responding and a 2nd survey analysis currently in progress.

RESOURCE MOBILIZATION FOR G3W

The flagship funding scenario of \$1 billion over the financial period 2024-2027 is the target of G3W resource mobilization. To realize this ambitious goal, G3W is seeking a concrete approach to mobilizing funding resources from various donors, including member countries, climate funds, philanthropy, and the private sector.



Funding mechanisms include 3 pathways:

- **G3W initial WMO-funds**, approved by the 19th World Meteorological Congress (Cg-19) [Resolution 5](#) of in 2023.
- **G3W trust-fund**, managed by WMO, with two Champions Nations contributing in 2023 and more expected from Public & Private sources from 2024.
- **Specialized G3W financial vehicle** to facilitate wider private sector contributions and activities, such as impact investing, that can be hosted outside of the UN system.

On the international public partnership side, G3W has already received support from two WMO Members in 2023 (namely Denmark and Germany) and a new circular letter has been issued in 2024, requesting further support for G3W. **Please find the letter [here](#).**

On the public-private partnership side, the Climate Finance for Climate Action Book Series marks an initial step with Nature Springer, Barclays Bank and University of Zurich involvement and discussions for partnerships with Google.org and other philanthropic donors are ongoing.

PAST AND UPCOMING EVENTS

PAST EVENTS

In the 2024-2027 G3W Implementation Phase, it is crucial for global coverage that G3W Space Remote Sensing components are well coordinated. G3W Director Gianpaolo Balsamo presented G3W at the CEOS and CGMS spring 2024 meetings, focusing on G3W's synchronization with space agencies and the ongoing collaborations.

WGClimate-20

March 7
Boulder, Colorado USA

[Read More](#)

SIT-39

April 5-11
Tokyo Japan

[Read More](#)

CGMS-52

June 4-6
Washington USA

[Read More](#)

UPCOMING EVENTS

G3W will take part in two IPCC TF Expert Meetings to highlight the plan of action including Observation networks, Prior Information, Modeling, and Data Architecture. GGMT-2024, organized by WMO and IAEA, will comprehensively address measurement techniques of GHGs.

Task Force on National GHG Inventories

TFI Expert Meeting on CDR and CCUS Technologies

July 1-3
Vienna Austria

Task Force on National GHG Inventories

TFI Expert Meeting on Reconciling Land Use Emissions

July 9-11
Varese Italy

WMO IAEA

GGMT-52

Aug 5-8
São José dos Campos, Brazil

[Read More](#)



15th Session of Consultative Meetings on High-Level Policy on Satellite Matters (CM-15), 6-7 Feb 2024

FURTHER RELEVANT NEWS



The [FOCI project](#), "Non-CO2 Forcers and their Climate, Weather, Health, and Air Quality Impacts," co-funded by the EU and UK Research and Innovation (UKRI) with WMO as a key partner, aims to assess and model the origins and impacts of key non-CO2 radiative forcers like CH4 and N2O. The project is now in its second year.



[Carbon Mapper](#) and [MethaneSAT](#), two new satellite programs led by the private sector, highlight how public-private partnerships will be crucial for tracking emissions at a global scale. These satellites provide a complementary view of methane emissions, enhancing the monitoring capabilities needed to support climate action.

THEY TALK ABOUT US

Fluxes, The European Greenhouse Gas Bulletin by ICOS, devoted an article about G3W in the third issue in its series. A fine presentation of the importance of taking action, the project itself and the context in which it would be implemented.

<https://www.icos-cp.eu/fluxes/3> (p.48)

