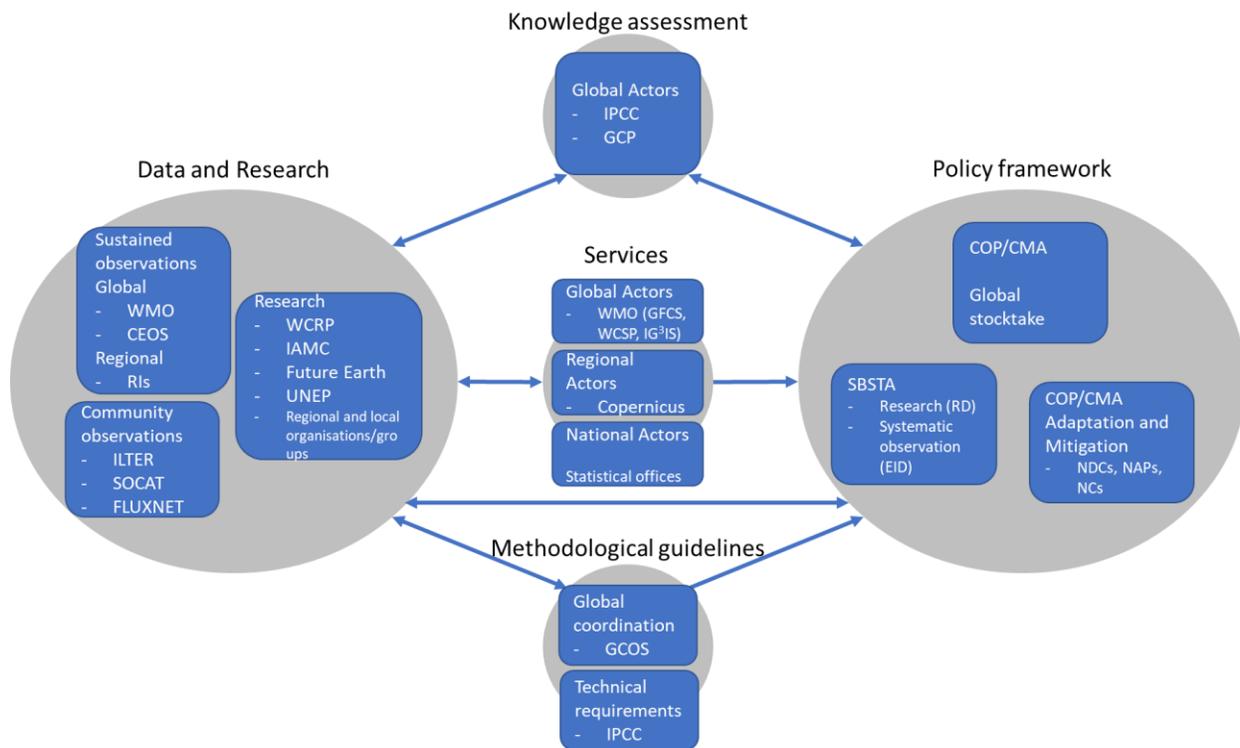


The Paris Agreement represents a paradigm shift in climate negotiations, with a strong focus on tracking progress in a transparent way and ultimately feeding into the Global Stocktake. To achieve this, systematic and long-term earth observation data are a necessity. The GEO Carbon and GHG initiative bring together the efforts of the main actors from in situ, satellite, modeling and inventory communities to analyze and meet the needs of the policy-makers at all levels of the UNFCCC process. Together with the Global Carbon Project, GEO-C and its members work on improving carbon budgets, standardizing data streams, and contributing to reduce uncertainties of national inventories.

This side-event is organized as a workshop and puts the needs for observational data at the center of the discussions. Using the analytical framework described in the graph below, the participants will explore some of the essential links between the actors in different groups. After the introductory part, the event will include three modules, each starting with short presentations given by experts who will set the scene for the work of the participants in small groups. The first module will examine the link between services and observational data: what kind of data is needed for the development of existing services or the creation of new ones? Module 2 will focus on the access to this data: how can different types and sources of data be made accessible and linked together? The last module will focus on the specific expectations set by the upcoming 2019 Refinement of the 2006 IPCC Guidelines for National GHG Inventories or the development of essential variables.



8:30 – 8:50 Paris agreement framework (introduction, 20 min)

Welcome and Introduction (Werner Kutsch, ICOS), 10 min

Paris Agreement and Global Stocktaking (Florin Vladu (tbc), UNFCCC), 10 min

8:50 – 10:00 Services based on Earth Observations (module 1, 70 min)

Services (Jean-Noël Thepaut, Copernicus), 10 min

ECMWF, 10 min

40 min group work

10 min group presentations

10:00 – 10:30 Coffee

10:30 – 11:40 Improving access to data (module 2, 70 min)

The role of satellite atmospheric observation to support the Paris Agreement (Prof. Teruyuki Nakajima, JAXA), 10 min

Current status and challenges of GHG observation and data utilization (Dr. Nobuko Saigusa, NIES), 10 min

40 min group work

10 min group presentations

11:40 – 12:20 Technical guidelines and their implications for data (module 3, 40 min)

Expectations of observations from the viewpoint of IPCC TFI (Dr. Kiyoto Tanabe, IPCC) 10 min

GCOS, 10 min

20 min guided discussions

12:20 – 12:30 Wrap-up (10 min)