

A hand is shown holding a glowing blue wireframe globe. The globe is composed of many small triangles and is positioned over a laptop screen. The background is a blurred image of a person's arm and hand reaching towards the laptop. The text 'OPEN DATA & OPEN KNOWLEDGE' is overlaid on the image in a large, white, sans-serif font. Below this text, the word 'Workshop' is written in a smaller, white, sans-serif font, underlined.

# OPEN DATA & OPEN KNOWLEDGE

## Workshop

# OPEN DATA & OPEN KNOWLEDGE Workshop

More information

Session 3: Open In-Situ Data





## Session 3: Open In-Situ Data

***Time:*** Thursday 15 Jun, 14:30-18:00

***Location:*** Obasi Room, WMO Building, Geneva  
and online

***14:30 – 16:00***

***Discussing the needs for in-situ data in GEO  
including EVs***

***Moderator: Helen Graves***

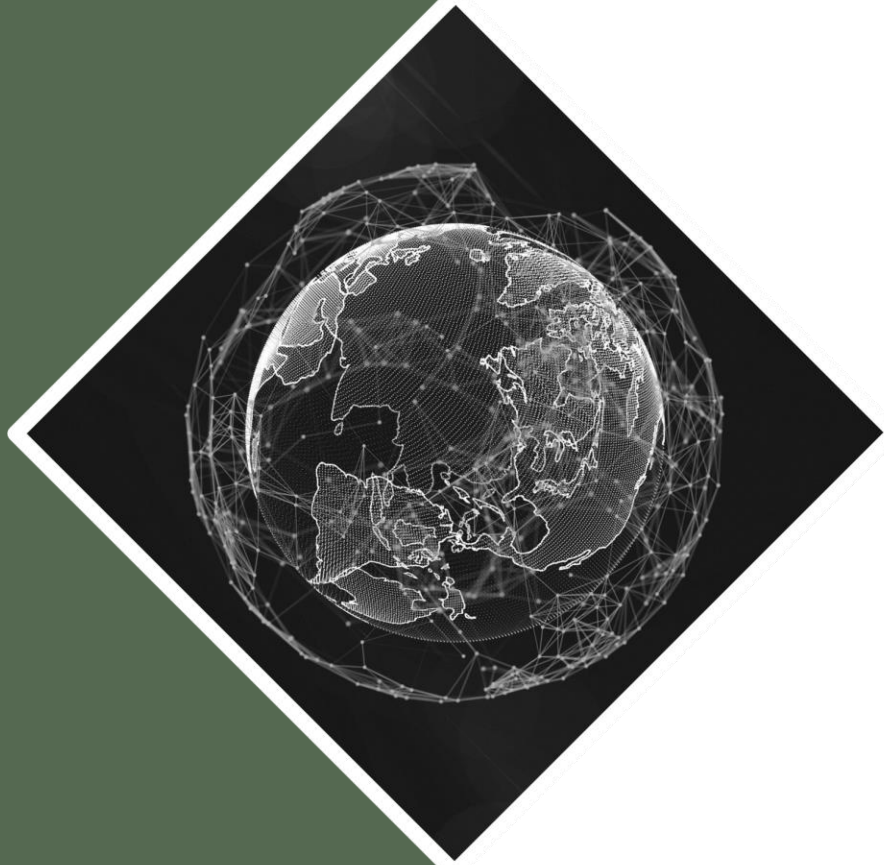
**16:00 – 16:30 Coffee Break**

***16:30 – 18:00***

***Addressing the gaps in in-situ data and networks  
for GEO (including challenges in sustainability)***

***Moderator: Jose Miguel Rubio***

# Prioritising in-situ data in GEO



- *Coordination of in-situ data community within GEO: declarations from several Ministerial Summits have called for strengthening this coordination*
- *GEOSS In Situ Observation Resources Task Team report (2018) highlighted need and potential benefits for coordination of in-situ data*
- *Canberra Declaration (November 2019):*
  - *recognises the critical role that data collected from the atmosphere, land, and water (in - situ data) plays in achieving GEO's mission;*
  - *calls for GEO community to develop a strategy to address the challenges in this area and to demonstrate progress in implementation*



## GEO In-Situ Data subgroup: drivers

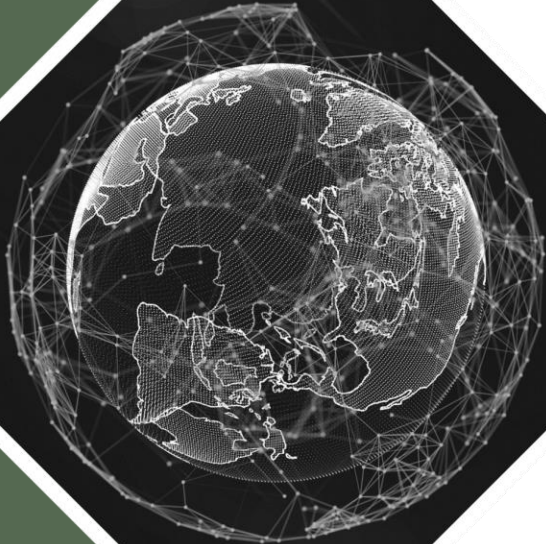
- *Newly established Data Working Group (2020) identified key action areas:*
  - *in-situ data*
  - *data ethics/law/policy*
  - *data sharing and data management principles*
- *GEO Mid-Term Evaluation (2021) called for improved availability and integration of in-situ data through the implementation of the GEOSS Data Sharing and Management Principles*
- *Identified need for a GEO in-situ data strategy*



## In-Situ Data subgroup: priorities

- *Characterisation of the in-situ data landscape including:*
  - *Common barriers to data sharing and re-use*
  - *Identifying/mapping/gap analysis of in-situ data providers within the GEOSS platform*
  - *Engaging with existing networks focused on domain level coordination of in-situ data*
  - *Engaging with GWP activities to identify specific challenges, data gaps and priorities*
- *Developing a first set of strategic objectives and advancing an in-situ data strategy for GEO*
- *Identify practical use cases to demonstrate benefits of integration of in-situ data with other Earth observation data*

## Discussing the needs for in-situ data within GEO including EVs



- *Requirements for in-situ data within in GEO, including from GWP activities and other relevant stakeholders e.g. UN agencies*
- *Essential variables required by thematic domains such as climate, mountain environments, climate, oceans, and urban resilience.*
- *Identifying current challenges associated with making in-situ data open and accessible*