



Preliminary Programme

Theme 3 Online Workshop: Filling the Gaps in Global Data Coverage

14 October 2020 - 14h00 to 16h00 CET

Held in English

In preparation for the WMO Data Conference, this online workshop examines the strengths and weaknesses of WMO's approach to addressing gaps in the coverage of global observing systems, emerging requirements and current approaches. Discussions will focus on the following topics:

1. *Technical, financial, and political opportunities and obstacles;*

The need for data exchange in meteorology and related earth science disciplines is well understood and in principle uncontroversial. What are some of the main benefits of improving the data exchange, and why isn't it happening already?

2. *The Global Basic Observing System (GBON) and implications for data availability;*

GBON as an example of a WMO-led initiative improve exchange of observational data for a specific purpose. Background, implications, opportunities and challenges, and earth system monitoring and prediction as a driver for expansion of the GBON approach into other domains and discipline areas;

3. *The role of the private sector in addressing data requirements;*

How can the private sector help with filling the gaps in global data coverage? Can rules of engagement be identified that will allow public and private providers of observational data to coexist productively and with mutual benefits?

4. *NWP in developing countries and other capacity development issues;*

How can we ensure that all 193 WMO Members will be in a position to benefit from improved data exchange, in terms of improved service delivery and generally strengthened expertise in earth system monitoring and prediction?

5. *Innovation and partnership for development assistance.*

What are the main technical and financial challenges encountered in filling the data coverage gap? Who pays where there are few (or no) local resources available, and why?

The meeting will be moderated, with guest speakers, and there will be an opportunity to participate in the topic discussions.

Expected output: A report to the WMO Data Conference in November, summarizing views on how data gaps should be addressed, in the context of WMO data policy, and highlighting key issues to be addressed by the conference.

Co-Chairs:

- Daouda Konate, WMO Regional President Africa, Director General National Meteorological Service Côte d'Ivoire
- Erik Andersson, Programme Officer EU Policies, Copernicus Expert, European Commission

Speakers (TBC):

- Peter Thorne Maynooth University, Ireland
- Vincent-Henri Peuch, Director Copernicus Atmosphere Monitoring Service, European Centre for Medium-Range Weather Forecasts
- Emma Heslop Intergovernmental Oceanographic Commission of UNESCO and GOOS
- Lars Peter Riishojgaard, Director Earth Systems, WMO
- Markus Repnik, Director Development Partnerships, WMO
- Anthony Rea, Director Infrastructure Department, WMO

[Link to register to workshop on theme 3](#)

<https://zoom.us/meeting/register/tJMsc6tpjMqGNzNepzKfFGPM6ov83tPjJuj>

To Prepare – Background

Relevant context:

- The role that data exchange plays in meteorology and other earth science disciplines
- The WMO Convention; Resolutions 40 (Cg-XII, 1995), 25 (Cg-XIII, 1999) and 60 (Cg-17, 2015) of the World Meteorological Congress; and data exchange at the time when these were adopted versus data exchange today

Current drivers for change:

- Going beyond “just weather”: Earth System monitoring and prediction – data challenges
- Explosive growth in societal demand for information about weather, climate, hydrology, atmospheric composition, space weather, etc.
- More data and information available for weather/climate-informed decision-making; technology, new data, ‘data revolution’
- Evolving role of NMHS and of governments and others in WMO activity areas
- Desire to unify WMO’s data policy

Stakeholders:

- Developed and developing Members
- Professionals from meteorology and other related earth science disciplines
- NMHSs and other government entities
- Public and private sectors
- Operational weather, water and climate services
- Development agencies
- Research community