

AOPC WORKPLAN

Overview of activities in 2022-2023

The main activities of AOPC in 2022-2023 are:

- ECVs: address rationalization- Peter to raise the topic with the GCOS SC, requesting a way forward (Stakeholder engagement, Timeline and Plan).
- GCOS Implementation Plan: Panel members to take ownership of activities in IP actions. (Action A13)
- Review of GCOS published documents.
- Continuity of UTLS in-situ and space vapour measurements. (Action A14)
- Earth Radiation Budget (ERB) - Review of observation strategy/vision for Earth Radiation Budget
(Submitted by Jörg Schulz, Deutscher Wetterdienst, joerg.schulz@dwd.de) April 2008.
- UV-radiation (missing as an ECV) - To consider this for the next update on the ECV requirements. Consider UV radiation as an ECV product under an existing ECV (TOA Radiation, Precursor Gases). AOPC Action XVI: Scope out a draft of an ECV product for UV-radiation (Johanna, Paolo, Maria) (Action 16)
- Provide a proforma to undertake an audit of data centres (AOPC)
- Precipitation: Consistency of data products.
- Satellite data constellations: studies on possible future orbital constellation to address gaps.
- ECV Inventory: At the request of WGClimate, evaluate the ECV Inventory for one or more ECVs
- Task Teams
 - GSRN Task Team: implementation of the pilot phase
 - Lightning Task Team: summary report of progress up to 2022, workplan for 2023-2024
- Joint Task Team with OOPC and TOPC (decisions from GCOS SC 29):
 - Task Team for adaptation: work of the Task Team on adaptation. Several AOPC members are part of the team.
- Networks:
 - management (GSN, GUAN, GRUAN) – ongoing
- Data Centres: Follow up with ECMWF for data repository for GNSS-PW. Actions in previous IP. (AOPC)
- GCM: oversight from AOPC to relevant projects (no funds in GCM at present).
- Engagement with WMO activities:
 - GBON and SOFF: Contribute to the implementation of GBON (2023) and its evolution. Support work of SOFF. Advocate for climate requirements.
 - Participation to meetings of SC-ON, SC-MINT, ET-OSDE, ET-WT, Centennial Stations (requested by WMO).
 - GHGs initiative: consider how to build-on the recommendations of WMO workshop and study group.
 - Radar for Climate: discuss with relevant WMO Secretariat how to include recommendation from the GCOS Report on radar for climate (GCOS-222) into WMO material.
 - Tiered Network: Concept document endorsed by INFCOM II. AOPC chair involved in the follow-up Task team.

Detailed workplan and milestone

Blue: Full Panel responsibility

Green: Panel monitoring or -2 panel members

Activity	Tasks	Milestone	Notes
ECV	Address rationalization of ECVs	June 30, 2023	Activity with OOPC and TOPC
Implementation plan	Assign activities to panel members	February 2023	Each panel member to take responsibility of activities
	Prepare a timeline for each activity	April 2023	Panel members
Review of GCOS published documents	Audit of the current GCOS published documents (AOPC) which are 'guidance' related	December 2022	Secretariat
	Review of these documents, need for an ongoing review process, and the visibility of the documents	Q3 2023	Stephan, panel member (?)
Continuity of UTLS in-situ and space vapour measurements	Requests that the GCOS Director sends letters to NASA and ESA to recommend that gaps in satellite observations of UTLS should be avoided in the future.	December 2022	Secretariat
	Follow up with NASA and ESA	June 2023	Gary
Earth Radiation Budget (ERB)	Review of observation strategy/vision for Earth Radiation Budget	June 2023 (?)	Rainer and Maria
UV-radiation	Draft of an ECV product for UV-radiation	December 2022	Johanna, Paolo, Maria
Data Centre	Provide a proforma to undertake an audit of data centres	December 2022	Panel member(?)
	GNSS-PW: Follow up with ECMWF	Ongoing	Chair and Secretariat
Precipitation	Consistency of data products.	June 2023	Blair (in collaboration with Rainer)
Satellite data constellations	Studies on possible future orbital constellation to address gaps.	June 2023	Maria, Rainer and Stephan together with WGClimate
ECV Inventory	ECV Inventory for one or more ECVs	June 2023	Peter, Blair, Imke, Stephan
Task Teams	GSRN Task Team: implementation of the pilot phase	TT GSRN agreed workplan to end of 2024	2 panel members (Maria and Peter)
	Lightning Task Team	Report to AOPC in Q4. Workplan for 2023-2024	Steve
	Adaptation Task Team: finish case studies	Report to JPM	Chiara Cagnazzo, Rainer Hollmann, Liz Kent, Matilde Rusticucci
	Adaptation Task Team (2)	Depending on SC decision	Panel members to take part in TT
Networks	GSN, GUAN	Ongoing	Report to panel/Secretariat
	GRUAN	Ongoing	Report to panel/Secretariat
WMO Activities	Participation to meetings of SC-ON, SC-MINT, ET-OSDE, ET-WT, Centennial Stations (requested by WMO)- (current list of WMO expert teams to be circulated to AOPC members	Ongoing	1 panel member to relevant groups
	Weather Radar: Identify whether there are ongoing activities in WMO on weather radars	October 2022	Secretariat
	Member of AOPC to participate to WMO team, if appropriate	Ongoing	Rainer
	Tiered Network: Document ready for submission to INFCOM	October 2022	Chair
	GHGs initiative: consider how to build-on the recommendations of WMO workshop and SG	Ongoing	Panel