

WCRP Data Advisory Council WDAC6

ESA/ESRIN
March 22, 2017
Overview

WCRP Data Advisory Council (WDAC)

Mission

- act as a single entry point for all WCRP data, information, and observation activities with its sister programmes,
- coordinate their high-level aspects across the WCRP,
- ensure cooperation with main WCRP partners such as GCOS, CEOS, CGMS and other observing programmes

WDAC works with the WCRP Modeling Advisory Council to promote effective use of observations with models and to address issues related to the coordinated development of data assimilation, reanalysis, Observing System Sampling Experiments, fluxes and paleoclimatic data and their assessments (metrics, etc.).

Focal point for all observational and data matters across the programme

- *Promote open data policies, protocols and standards across the programme*
- *Recommend best practices for ECV data set development and assessments*
- *Coordinate reanalysis intercomparison efforts*
- Promote and publish observational and reanalysis data sets to support climate modeling
- Coordinate flux research and promote development of associated data sets
- Review adequacy of observations and data assimilation techniques
- Sponsor *International Data Prize*



WDAC6

- **Thank you for participating in WDAC6**
- **Special thanks to *ESA/ESRIN* for hosting this meeting and to Pierre-Philippe Mathieu for organizing the venue**
- **Our agenda is very, very full, so please respect the time limits**

WDAC6 Overview

- ***WCRP – GCOS cooperation – Update***
- ***WDAC5 Actions – Review***
- ***WCRP – Data Prize, Data Policy, Polar Challenge – updates***
- ***WCRP – Climate Data Intercomparison Project - update***
- ***Obs4MIPs Task Team – Status and activity review***
- ***Ana4MIPs & TIRA Task Team – Status and activity review***
- ***Surface Fluxes Task Team – Status and activity review***
- ***WCRP Core Projects – Updates***
- ***GCOS Panels – Updates***
- ***CEOS – CGMS WG Climate – Updates***

Agenda Approval



WCRP Data Advisory Council 6th Session

22-23 March 2017
ESA/ESRIN, Frascati, Italy

Agenda as of 13 March 2017

NB All briefers are kindly asked to allow time for discussion in their allocated slots, and to raise any specific issues to be addressed by WDAC

Time	Agenda Item	Docs
Wednesday 22 March 2017		
1. Introduction – Chairs O. Brown, J.-N. Thépaut		
09h00	a. Introduction – WDAC Co-chairs	
09h10	b. Welcome address – ESRIN (TBC)	
09h20	c. WCRP update including Data Prize, Data Policy and Polar Challenge – M. Rixen	
09h40	d. GCOS update – C. Tassone obo C. Richter	
10h00	e. Review of WDAC5 actions – O. Brown	
10h30	Coffee break	
2. WDAC Task Teams - Chair O. Brown		
11h00	ESA Earth Observation Room site visit	
11h30	a. Obs4MIPS – P. Gleckler	
12h00	b. Fluxes Task Team (including SOLAS update) – Brian Ward	
12h30	c. Reanalyses and TIRA – M. Bosilovich (remotely)	
13h00	Lunch	
3. Observations and data initiatives – Chair J.-N. Thépaut		
Briefers are invited to focus on data requirements and intercomparison efforts		
14h00	a. CLIVAR and GSOP update – P.-P. Mathieu	
14h20	b. GEWEX and GDAP update – R. Rocca and J. Schulz	
14h40	c. SPARC and S-RIP update – S. Tegtmeier	
15h00	d. CliC - Ben Galton-Fenzi (remotely)	

15h20	e. Discussion - all	
15h30	Coffee break	
16h00	f. AOPC update – C. Tassone obo K. Holmlund and C. Jones	
16h20	g. TOPC update – W. Wagner	
16h40	h. OOPC update – B. Sloyan	
17h00	i. CEOS-CGMS WG Climate update, including ECV inventory – P. Lecomte and J. Schulz	
17h20	j. Discussion - all	
18h30	Social dinner hosted by ESRIN	

Thursday 23 March 2017

4. Way ahead and partnerships – Chair O. Brown		
09h00	a. UNFCCC Global Stocktake and JSC Proposal for a Data Intercomparison Project – M. Rixen	
09h20	b. GCOS Climate indicators – C. Tassone	
09h40	c. Copernicus Climate Change Service – J.-N. Thépaut	
10h00	d. Discussion: all	
10h30	Coffee break	
11h00	e. Bio-geochemistry data initiatives: SOCAT and GLODAP – D. Bakker	
11h30	f. WCRP OSCAR and Rolling Review – C. Tassone and M. Rixen	
11h50	g. International Reanalysis Conference Update – J.-N. Thépaut	
12h10	h. Discussion: all	
12h30	Lunch	
5. WDAC Business – Chair J.-N. Thépaut		
14h00	a. Inputs to WCRP Strategic Plan – M. Rixen	
14h15	b. Memberships	
14h30	c. Next WDAC Meeting – Date/Venue	
14h45	d. Outreach, AOB	
15h00	e. Review of Draft actions list	
15h30	Coffee break	
17h00	Meeting ends	

WDAC5 Recs/Actions [1]

- **Development of a WCRP-GCOS Data Prize**

- 1. Circulate draft call for nomination to WDAC and GCOS Chairs and finalize (Michel)
 - Completed

- **WCRP-GCOS Data Best Practices Policy**

- 2, Circulate draft policy to WDAC and GCOS Chairs and finalize (Michel)
 - Completed

- **ESGF, obs4MIPs**

- 3. CLIVAR to explore use of ESGF for ocean reanalysis (Pierre-Philippe)
- 4. C3S and PCMDI to liaise on CMOR developments as necessary (Jean-Noel and Peter)*
- 5. Develop a path for evolution of obs4MIPs (or separate ESGF component) to accommodate support for non-global, in-situ and non-gridded data sets (Peter, Jean-Noel and Joerg)
 - In process – varying progress in each topic

WDAC5 Recs/Actions [2]

• Reanalysis conference

- 6. Mobilize funds from agencies and other sponsors (Michel)
- 7. Develop Science (Organizing) Committee and forward plan (Jean-Noel and Mike)
 - Ongoing

• ECV Inventory

- 8. Invite WDAC and obs4MIPs to provide early feedback on the ECV inventory (Joerg, Pascal)
- 9. Inform the development of inventories (including on in-situ ECV) (Joerg with GOSIC)
 - Status updates in briefings

• Observation gaps

- 10. In-situ observing networks at risk: WDAC to prepare letter for JSC to WMO to support/promote (Michel) (+few sentences for every obs)
 - BSRN
 - ARGO
 - ISMN (soil moisture)
 - ozonesondes (GAW more generally)
 - radar data to be archived
- 11. Satellite mission gaps: send letter to WG CLIM to advocate for (Michel)*
 - atmospheric composition: limb sounders
 - sea-ice/precipitation: micro-wave imagers
 - Completed

WDAC5 Recs/Actions [3]

•Uncertainties

- 12. Keep WDAC informed about EO uncertainty workshop in 2017 and involve experts as necessary (Joerg, Otis)
 - No action – too many other activities this year

* completed

Actions for your consideration

- **We will put together a summary of actions for your input and approval tomorrow**
- **Expect this as the last item on our agenda**