

WCRP

World Climate Research Programme



WDAC-2 Report

Brasilia May 28, 2013



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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.).





At JSC-33 WDAC reported on...

Topic	Recommendation
SCOPE-CM	Broader WCRP core project participation
ECV Inventory	GOSIC / CEOS/CGMS Harmonization
Obs4MIPS	Broader contributions from WCRP core projects
Reanalysis	WCRP Workshop in 2014
Miscellaneous	e.g., non-physical ECVs, WMO/GCW, DOIs, webpage linkages, GCOS/TOPC



WDAC-2 Possible Topics...

- In-depth briefing on Obs4MIPs
- Observations for reanalysis workshop
- CEOS and GOSIC to brief on ECVs including maturity index
- Request WCRP core projects to brief on their best data assessment practices, recommending specific data sets to users
- SCOPE-CM Pilot presentations covering relevant parameters
- Definition of an OSSE framework for network design for climate applications
- Data needs to initialize models to provide seasonal ice outlooks
- Bio-geochemical data needs for Earth System models by IGBP rep
- ESGF governance



WDAC-2 Overview

- Inventories
- Reanalyses and fluxes
- Data requirements, assimilation, etc.
- Dataset assessment, best practices
- Earth System Grid, obs4MIPs, ana4MIPS, etc.
- WDAC Business



WDAC-2 Agenda



WCRP Data Advisory Council 2nd Session

EUMETSAT, Darmstadt, 4-5 March 2013

Draft Agenda as of 14 Feb 2013

Time	Agenda Item	Docs
Monday 4 March 2013		
1. Introduction – Chair O. Brown		
08h30	a. Introduction – WDAC Co-chairs	
08h45	b. Welcome address – EUMETSAT Chief Scientist - Johannes Schmetz	
09h00	c. Meeting arrangements – J. Schulz	
09h10	d. Adoption of agenda	1
09h20	e. Review of WDAC1 actions	3
09h40	f. WCRP Update, including Grand Challenges, Future Earth, CORDEX – M. Rixen	9
2. Inventories, GOSIC – Chair O. Brown		
10h00	a. NCDC, GOSIC – C. Lief, O. Brown	6,10
10h30	<i>Coffee break</i>	
11h00	b. CEOS update, WGClimat – M. Dowell	11, 12
11h20	c. CGMS update – J. Schulz	13
11h40	d. GOOS update – A. Simmons, H. Dolman, E. Lindstrom	14
12h30	e. Discussion and way ahead	
13h00	<i>Lunch</i>	
3. Reanalyses and fluxes – Chair T. Koike		
14h00	a. Reanalysis update, including Reanalysis.org – M. Bosilovich	7
14h20	b. SOLAS update, pCO2 ECV – B. Ward	15

14h40	c. GSOP update: air-sea fluxes, ocean synthesis – P.-P. Mathieu	8
15h00	d. Workshop on observations for reanalyses – J.-N. Thépaut	
15h10	e. Discussion - all	
15h30	<i>Coffee break</i>	
4. Data requirements, assimilation, network design, OSSEs – Chair O. Brown		
16h00	a. Data assimilation, OSSE - J.N. Thépaut	
16h20	b. NOAA JPSS Mitigation Study – O. Brown	16
16h40	c. WMO Rolling Requirement Review – M. Rixen	5
17h00	d. SCOPE-CM Phase 2 – J. Schulz	
17h20	e. Discussion - all	
19h00	<i>Dinner</i>	
Tuesday 5 March 2013		
5. Data sets, quality assessments and best practices – Chair T. Koike		
08h30	a. GEWEX – J. Schulz	4,17,18
08h50	b. CLIVAR – P.-P. Mathieu	19
09h10	c. SPARC (including ESA SPARC initiative) – Susann Tegtmeier/K. Sato	20
09h30	d. ClIC (including data needs for seasonal ice outlooks initialization) – W. Meier	21
09h50	e. IGBP – D. Schimel (TBC)	
10h10	Discussion - all	
10h30	<i>Coffee break</i>	
6. Earth System Grid, obs4MIPs, ana4MIPs – Chair O. Brown		
11h00	a. Earth System Grid, CMIP5, metrics – P. Gleckler	22,23,24
11h30	b. obs4MIPs – D. Waliser	25
11h50	c. ana4MIPs – M. Bosilovich	
12h10	d. ExArch – O. Brown	26
12h30	e. Discussion and way ahead: governance, WMAC	
13h00	<i>Lunch</i>	

7. WDAC Business – Chair O. Brown		
14h00	a. Review of planned meetings/events – gaps, duplicates, requirements	
14h15	b. WDAC – WMAC liaising	
14h30	c. Next WDAC Meeting – Date/Venue	
14h45	d. AOB	
15h00	e. Review of Draft actions list	
16h00	<i>Meeting ends</i>	



WDAC-2 Hosting

- EUMETSAT – Darmstadt, Germany, March 4-5
- Hosted by Alain Ratier, Director-General EUMETSAT
- Local Host Joerg Schulz
- WDAC is very thankful for EUMETSAT's hospitality – it made for a wonderful meeting



Meeting Focus: Essential tools

- Discovery: joint inventories
- Seamlessness: data grid
- Standards: conventions, compatibility
- Data Mining: intelligent archives
- QC&QA: assessments
- Evaluation: metrics



Topic	Outcome
SCOPE-CM	Pilot phase completed; broader participation in Phase 2 – starts 1/2014
ECV Inventory	GOSIC / CEOS/CGMS Harmonization joint tool – CEOS SIT supportive – in situ QA/QC by GCOS panels?
Obs4MIPS	Established WDAC Task Team (TT) to advise on *4MIPS activities using ESGF for data exchange
Reanalysis/Fluxes	Agreed to continue planning of WCRP Workshop in 2014; develop TOR for a TT
Dataset Quality Assessment	GEWEX to provide a short white paper on best practices; circulate to WCRP core projects first, then wider distribution
WMO Rolling Requirements Review	Considerations concerning long term stability and additional granularity are needed
GCOS Review	WDAC represented WCRP at 1 st Meeting in March 2013
WDAC-3	Galway, Ireland – April 2013

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Thank you



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