



WCRP Data Advisory Council (WDAC)

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Representatives from

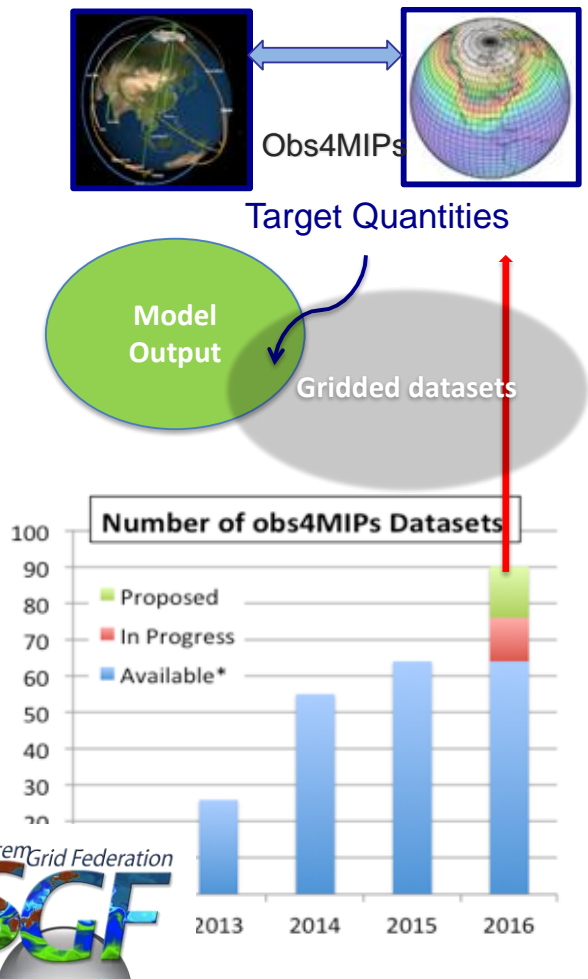
- Five WCRP core projects
- Three Global Climate Observing System (GCOS) panels (chairs)
- WCRP Modelling Advisory Council
- Working Group on Regional Climate
- Surface Ocean - Lower Atmosphere Study (SOLAS)
- Committee on Earth Observation Satellites (CEOS) - Coordination Group for Meteorological Satellite (CGMS) WG Climate (Chair or Vice-chair)
- Program for Climate Model Diagnosis and Intercomparison (PCMDI)
- Biogeochemistry community

WDAC - entry point for all WCRP data, information, and observation activities

- Coordination across WCRP
 - Promotion of **open data** policies, protocols and standards
 - Recommend **best practices for ECV** (Essential Climate Variable) data set development and assessments
 - Coordination of **reanalysis inter-comparisons**
 - Promotion of observational and reanalysis data **to support climate modelling** (e.g., obs4MIPS, ana4MIPs, CREATE-IP)
 - Regular briefings on OSSE, data assimilation
- Coordination with **main partners** (GCOS, GOOS, WWRP, GAW, Future Earth)
 - Link to satellite agencies via WG Climate



obs4MIPS - Observations for Model Intercomparisons Project



Proposal for a WCRP Earth System Reanalysis Intercomparison and Evaluation group, 2019

1. Coordinate Reanalysis Intercomparison Projects (RIPs) through standards and best practices
2. Better understand, utilize and promote Earth System Reanalyses

- Regional Project - Precipitation
- Possible Global Topics
- [1] Surface temperature
- [2] Ocean surface fluxes
- [3] Precipitation
- [4] Radiation
- [5] Energy budget
- [6] Water cycle
- [7] Surface Winds (Wind Energy)

1. How important are observational climate data records versus observations for process understanding (dedicated field experiments) for SPARC?
-> need to advocate observations for process understanding within WCRP
2. Advocate and promote 'SPARC' data sets better within WCRP (What happened to the SPARC Data Centre?)
3. Fluxes are considered a key element of the Earth system approach within WCRP.
What about troposphere-stratosphere fluxes (aerosol precursors, halogens, water vapor, ...)?
4. Topics missing and open questions
 - New sensors and data products (e.g., micro-satellites, citizen science)
 - Data science and data mining