

# GEWEX DATA and ASSESSMENTS PANEL (GDAP)

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Jörg Schulz (Chair, GDAP)  
EUMETSAT

Matthew McCabe (Vice Chair, GDAP)  
King Abdulla University of Science and Technology, Saudi Arabia

# Meeting Objectives

- Jointly discuss GEWEX strategy and GDAP links to WCRP GCs;
- Jointly review status and plans of assessments and data products;
- Jointly review status and issues of some ground-based networks,
- Jointly discuss new activities (1) GEWEX Process Evaluation Study group on Upper Tropospheric Clouds and Convection (UTCC PROES) and (2) Surface radar usage;
- Discuss transitions to new chairs, membership, SSG participation, WDAC representation;
- Do some housekeeping.

# GDAP Products vs. Grand Challenges

Short name of product	Ranking of GDAP products concerning importance to Grand Challenge (1-3 with 1=high, 2=medium, 3=low contribution and 0 indicating no connection).					
	Clouds, Circulation and Climate Sensitivity	Changes in Cryosphere	Climate Extremes	Seasonal and Decadal prediction	Regional Sea Level Rise	Water Availability
Integrated Product	1	2	2	2	2	1
ISCCP	1	2	2	2	0	2
SRB	1	2	3	2	0	2
EBAF	1	2	3	2	1	3
GACP	1	0	3	2	0	3
Seaflux	2	2	2	2	2	2
Landflux	2	2	2	2	0	2
Water Vapour	1	3	2	2	0	1
GPCP	2	2	2	2	3	1
Soil Moisture	2	3	2	2	0	1
Groundwater Storage	0	0	3	2	0	1

# GDAP Products vs. GEWEX Science Questions

Short name of product	Ranking of GDAP products concerning importance to GEWEX Science Question (1-3 with 1=high, 2=medium, 3=low importance and 0 indicating no connection).			
	Observation and Prediction of Precipitation	Global Water Resources	Climate Extremes	Energy and water Cycles
Integrated Product	1	3	2	1
ISCCP	2	3	2	1
SRB	3	0	3	1
EBAF	3	0	3	1
GACP	2	0	3	1
Seaflux	2	3	2	1
Landflux	2	2	2	1
Water Vapour	2	3	1	1
GPCP	1	2	2	1
Soil Moisture	1	2	2	1
Groundwater Storage	1	2	3	1

# Last Day

# Housekeeping

- All data projects, assessments, new activities please send 1 page summaries to me until **23/12/2016** (add bullets on major achievements, meetings, most important publication);
- Next meeting, should be in Europe
- Web page needs work

# GDAP Membership

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Jörg Schulz, Chair	EUMETSAT	2014 (2006)
Matthew McCabe, Vice-Chair	King Abdulla University	2015 (2008)
Wouter Dorigo	Technical University Vienna	2013
Andrew Heidinger*	NOAA/NESDIS	2011
Carlos Jimenez	Estellus, S.A.S., Paris	2010
Christian D. Kummerow	Colorado State University	2014
<del>Felix Landerer</del>	<del>Jet Propulsion Laboratory</del>	<del>2013</del>
<del>Norman G. Loeb</del>	<del>NASA LaRC</del>	<del>2005</del>
Hirohiko Masunaga	Nagoya University	2010
<del>Axel Schweiger</del>	<del>U. of Washington</del>	<del>2008</del>
<del>Sonia I. Seneviratne*</del>	<del>ETH Zurich</del>	<del>2008</del>
<del>B.J. Sohn*</del>	<del>Seoul National University</del>	<del>2007</del>
Claudia Stubenrauch	Lab. de Meteorol. Dynamique	2007
<del>Sue Van Den Heever</del>	<del>Colorado State University</del>	<del>2008</del>
Tianjun Zhou	LASG/IAP/CAS, Beijing, China	2011

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Hirohiko Masunaga	Nagoya University	2010
Claudia Stubenrauch	Lab. de Meteorol. Dynamique	2007
Tianjun Zhou	LASG/IAP/CAS, Beijing, China	2011
Rémy Roca	LEGOS, Toulouse, France	2016
Tristan L`Ecuyer	University of Wisconsin	2016

- Chair and Vice-chair will retire with this meeting.
- Need experts on Radiation flux, Arctic, Aerosol-cloud, ground-water, ...
- Maybe need expertise on: radar data, reanalysis, climate modelling, ...
- In addition we will have some new data set representatives, e.g., ISCCP



# New potential GDAP Members

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- Ali Behrangi (NASA JPL, USA), precipitation, link to extremes GC
- Annette Eicker (Institut für Geodäsie und Geoinformation, U. Bonn, Germany), GRACE, ground water
- Myoung Hwan Ahn (Ehwa University, Korea), remote sensing expert
- Shinya Kobayashi (JMA, Japan) reanalysis, data assimilation
- Diego Miralles (University Gent, Belgium) land surface fluxes, GLEAM model
- Philip Stier (Univ. Oxford, UK) global modeling, radiative transfer, aerosol-cloud physics
- Nick Schutgens (Univ. Oxford, UK) data assimilation, data, modeling, radiative transfer
- Christopher Taylor (Centre for Ecology & Hydrology, UK) land surface modeller with increasing interest in observations
- May need to add more USA and women to this mix – SSG is invited to make proposals