

Agenda GEWEX Integrated Product Workshop

Tuesday, April 11, 2023

- 09:00 – 09:15 **Chris Kummerow and Francisco Javier Tapiador Fuentes** – Introductions and Meeting Objectives
- 09:15 – 09:30 **Peter van Oevelen** – GEWEX Overview
- 09:30 – 09:45 **Tristan L'Ecuyer** – Water and Energy Balance observations. Where are the biggest uncertainties?
- 09:45 – 10:00 **Yunyan Zhang** – High resolution model status and uncertainties. How well must the surface be represented to reproduce observed convection?
- 10:00 – 10:15 **Isabel Trigo** – Land surface temperature – how well can it be measured and how well can be predict turbulent fluxes?
- 10:15 – 10:30 **Chris Kummerow** – How large scale dynamics affects changes in precipitation that can persist for decades
- 10:30 – 10:45 **Jim Mather** – ARM Facility Activities Supporting Land-Atmosphere Interaction Research
- 10:45 – 11:00 **Alizera Nazemi** – The role of GHPs in answering some of the workshop questions
- 11:00 – 11:30 **Break**

Self-Introductions (short overviews of own expertise + one relevant slide on something we may not know yet + one slide on biggest question to the group. Please e-mail ppt to the session chair before the meeting so that 30 min. are not wasted swapping out laptops)

Session chair – Yunyan Zhang <zhang25@llnl.gov>

- 11:30 – 11:40 **Larry Berg**
- 11:40 – 11:50 **Nathaniel Chaney**
- 11:50 – 12:00 **Shawn Serbin**
- 12:00 – 12:10 **Diego Miralles**
- 12:10 – 12:20 **Dara Entekhabi**
- 12:20 – 12:30 **René Orth**
- 12:30 – 12:40 **Seiji Kato**
- 12:40 – 13:00 **Short break**

Session chair – Jim Mather <Jim.Mather@pnnl.gov>

- 13:00 – 13:10 **Michael Bosilovich**
- 13:10 – 13:20 **Ali Behrangi**
- 13:20 – 13:30 **Petra Klein**
- 13:30 – 13:40 **Dave Turner**
- 13:40 – 13:50 **William Gustafson**
- 13:50 – 14:00 **Andres Navarro**
- 14:00 – 16:00 **Lunch** (on your own)

Session chair – Isabel Trigo <isabel.trigo@ipma.pt>

- 16:00 – 16:10 **Jordi Vila**
- 16:10 – 16:20 **Rajat Bindlish**
- 16:20 – 16:30 **Wolfgang Wagner**
- 16:30 – 16:40 **Luca Brocca**
- 16:40 – 16:50 **Gianpaolo Balsamo**
- 16:50 – 17:00 **Sarah Ringerud**
- 17:00 – 17:10 **Sarah Ringerud**
- 17:10 – 17:30 **Short Break**

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(Tuesday, April 11, 2023 continued)

Session chair: Francisco Tapiador <francisco.tapiador@uclm.es>

17:30 – 17:40 **Lakshmi Venkataraman**
17:40 – 17:50 **Clement Guillateau**
17:50 – 18:00 **Kazumasa Aonashi**
18:00 – 18:10 **Gyuwon Lee**
18:10 – 18:20 **Filipe Aires**
18:20 – 18:30 **Sujay Kumar**
18:00 – 18:10 **C. Kummerow** – Next steps

18:30 – **Reception**

Wednesday, April 12, 2023

09:00 – 11:00 **Discussion 1 led by Isabel Trigo/Larry Berg**
Exploring Land Surface Temperature to understand and monitor surface processes – combining LST with other remote sensing variables to infer hydrological regimes and assess surface energy fluxes

11:00 – **Break**
11:30

11:30 – **Discussion 2 led by Peter van Oevelen/Wolfgang Wagner**
13:30 Soil moisture-vegetation-atmosphere feedbacks

13:30 – **Lunch**
15:30

15:30 – **Discussion 3 led by Jim Mather/Yunyan Zhang**
17:30 Linking observations and models across scales

17:30 – Wrap Up: An open discussion on topics of the day
18:30

21:00 – Group dinner at Hierba Buena restaurant. It will be a tasting menu.

Thursday, April 13, 2023

09:00 – 10:00 **Rapporteurs** – Summary points from each of the three discussions & discussion

10:00 – 13:00 **Discussion 4 led by Chris Kummerow**
Process Integration (What is most needed to more fully link global model physics with observations?)

13:00 – Adjourn