



**37th Session of the
Working Group on Numerical Experimentation (WGNE)**

8-10 November 2022

NCAR, Boulder, CO, USA

Agenda v8

Notes:

- This meeting will be joint with WGCM
- Joint sessions at the start of Tuesday and then on Wednesday.
- Remote talks clearly marked. Otherwise, in person.

| DAY 1 | Tuesday 8 Nov Morning (Joint with WGCM before the break) |
|-------|---|
| | Welcome and Program Updates |
| 08:30 | <i>Check-in and Connection Check for Remote Participants</i> |
| 09:00 | Welcome and introduction (WGNE/WGCM Co-Chairs) |
| 09:05 | Information from Local Organizers |
| | Session Chair: Carolyn Reynolds |
| 09:15 | ESMO Update (Cath Senior) |
| 09:40 | SPARC update (Karen Rosenlof) |
| 10:00 | WWRP Update (Chris Davis) |
| 10:15 | GAW update (Greg Carmichael) – <i>remote presentation</i> |
| 10:30 | <i>Break</i> |
| | Session Chair: Mike Ek |
| 11:00 | Scale separation diagnostics and the Symmetric Bounded Efficiency for the inter-comparison of precipitation reanalyses (Barbara Casati) |
| 11:20 | Multi-physics ensembles for operational weather-event attribution (Francois Englebrecht) |
| 11:40 | Outcomes of the model uncertainty meeting (Ron McTaggart-Cowan) – <i>remote presentation</i> |
| 12:00 | <i>Lunch</i> |

| DAY 1 | Tuesday 8 Nov Afternoon (WGNE only) |
|-------|--|
| | Updates from partner/collaborative groups |
| 13:20 | <i>CONNECTION CHECK</i> |
| | Session Chair: Charlotte DeMott |
| 13:30 | Update on DIMOSIC (Linus Magnusson) – <i>remote presentation</i> |
| 13:50 | Member survey on ensemble design (Carolyn Reynolds) |
| 14:10 | Update on Aerosol Project (Ariane Frassoni) |
| 14:30 | Discussion |
| 15:00 | <i>Break</i> |
| | Session Chair: Fanglin Yang |
| 15:30 | Paris Olympics WWRP project (Chris Davis) |
| 15:50 | Update on Surface Flux Project/MJO MIP (Charlotte DeMott) |
| 16:10 | TC Verification and initialization overview (Masashi Ujiie) – <i>remote presentation</i> |
| 16:30 | Update from DAOS (Lili Lei) – <i>remote presentation</i> |
| 16:50 | Wrap-up |
| 17:00 | <i>END OF DAY 1</i> |

| DAY 2 | Wednesday 9 Nov Morning (Joint with WGCM) |
|-------|--|
| | Updates of interest to both groups |
| 08:45 | <i>Connection Check for Remote Participants</i> |
| | Session Chair: Nils Wedi |
| 09:00 | MJO-TF update (Charlotte Demott) |
| 09:20 | GASS Update (Daniel Klocke) – <i>remote presentation</i> |
| 09:40 | GLASS update (Mike Ek) |
| 10:00 | Discussion on potential collaboration (GASS/GLASS/MJO-TF) |
| 10:30 | <i>Break</i> |
| | Session Chair: Francois Engelbrecht |
| 11:00 | RB update (Amanda Lynch) – <i>remote presentation</i> |
| 11:20 | JWGFVR: Updates and future plans (Barbara Casati) |
| 11:40 | Discussion on WGNE-WGCM common interests and potential leveraging related to verification. |
| 12:00 | <i>Lunch</i> |

| DAY 2 | Wednesday 9 Nov Afternoon (Joint with WGCM) |
|-------|---|
| | Updates of interest to both groups |
| 13:20 | <i>CONNECTION CHECK</i> |
| | Session Chair: Greg Flato |
| 13:30 | CliC Update (Helene Seroussi) – <i>remote presentation</i> |
| 13:50 | S2S Update (Fredric Vitart) – <i>remote presentation</i> |
| 14:10 | Model Uncertainty-MIP (Romain Roehrig) |
| 14:30 | OMDP Update (Baylor Fox-Kemper) – <i>remote presentation</i> |
| 14:50 | CMIP6 Update (inc. Infrastructure) (Paul Durack) |
| 15:10 | <i>Break</i> |
| | Session Chair: Cath Senior |
| 15:40 | WCRP Safe Landing Climate (Bette Otto-Bliesner) |
| 16:00 | WCRP Digital Earths Lighthouse Activity (Andrew Gettelman) |
| 16:20 | Discussion on collaborations with WCRP Lighthouse Activities |
| 16:50 | Precipitation benchmarking (Jiwoo Lee) – <i>remote presentation</i> |
| 17:10 | WCRP Global Precipitation Experiment-GPEX (Xubin Zeng) - <i>remote presentation</i> |
| 17:30 | <i>END OF DAY 2</i> |

| DAY 3 | Thursday 10 Nov Morning (WGNE only) |
|--------------|---|
| | Science presentations from members |
| 08:30 | <i>Check-in and Connection Check for Remote Participants</i> |
| | Session Chair: Peter Lauritzen |
| 09:00 | Astakhova, Engelbrecht, Zangl, Roehrig, Gram, Wedi, Frassoni (10 minutes each + 5 minutes for discussion) |
| 10:15 | <i>Break</i> |
| | Session Chair: Barbara Cassati |
| 10:45 | Yang, Lauritzen, McTaggart-Cowan, Reynolds, Alves, Ujiie, Sun (10 minutes each +5 minutes for discussion) |
| 12:00 | <i>Lunch</i> |

| DAY 3 | Thursday 10 November Afternoon (WGNE only) |
|--------------|---|
| | Science Presentations from Members |
| 13:20 | <i>CONNECTION CHECK</i> |
| | Session Chair: Ariane Frassoni |
| 13:30 | Member survey of ML/AI uses for model development (Fanglin Yang) |
| 13:50 | Member survey on Next-gen/Exascale Computing (Nils Wedi) |
| 14:30 | Discussion on potential future efforts |
| 15:00 | <i>Break</i> |
| | Session Chair: Carolyn Reynolds |
| 15:30 | Update on S-GDPFS (Francois Englebrecht) |
| 15:50 | Fixing Biases For Good - The Long, Difficult, and Rewarding Task of Improving km-Scale Climate Models (Andreas Prein) |
| 16:10 | Discussion on next WGNE meeting |
| 16:20 | Action Item Summary and Wrap-up |
| 17:00 | <i>END OF Meeting</i> |