ICWG-2 Workshop Conclusions

Rob Roebeling, Andrew Heidinger, Karl-Goran Karlsson
ICWG Co-chairs
● Thank you to Topical Chair Leads and those participating
● How would you change the Topical Group?
  ○ During your 2 hours, what parts lead to interesting discussions - what parts did not?
  ○ Should we refocus/rename/split/remove your group?
● What should the process be to make new Topical Groups for ICWG3?
  ○ We want groups that meet between ICWG meetings and report back.
  ○ Should we ask for “proposals” for new groups?
● What should the role of the Intercomparison Group Be?
  ○ Now we have a large number of groups submitting data and small group looking at it.
  ○ Was the April 1 submission deadline appropriate?
  ○ Is a database and a tool-set enough?
  ○ Can other groups use this database?
ICWG Sub-Working and Topical Groups

- **Algorithms**
  - Retrieval Methods (Phil Watts & Bryan Baum)
  - Cloud Masking (Karl-Goran Karlsson)
  - Microwave (Ralf Bennartz)

- **Assessments**
  - Cloud Product Intercomparisons (Andi Walther)

- **Climate Applications**
  - Climate Applications (Mike Foster)

- **Weather Applications**
  - Severe Weather (Mike Pavolonis)
  - Winds (Steve Wanzong, Dong Wu)

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*Sub-Working Groups are permanent*

*Topical Groups can modified based on ICWG feedback*
What we want from the TG Reports

- Your summary of the discussion
- Recommendations for ICWG
- Recommendations to CGMS
- Thoughts on group’s evolution

Please ensure we have the final version in your TG folder on the Drive!
Thank You

- Maria Vasys for putting this meeting together
- Rob Roebeling for organizing the agenda
- Dong Wu and Karl-Goran Karlsson
- CGMS Reps
Conclusions
Organizational Issues

- ICARE Wiki - Thank you and will this Continue? Can we get a pass-word reset function?
- Can we post presentations (as we always have?)
- Should we ask for Extended Abstracts?
- Should we attempt a write-up of the meeting in some forum?
- Meeting Feedback
  - We are the biggest of all CREW/ICWG meetings - too big?
  - Talks / Breakout Ratio
  - Shorten the Meeting?
Meeting Organization

Local Host: Ralf Bennartz

Meeting Coordinator: Maria Vasys

ICWG co-chairs: Andrew Heidinger, Rob Roebeling (Retiring), Karl-Goran Karlsson (New)

CGMS Representatives: Next Speakers

CGMS Rapporteur: Dong Wu

Topical Groups Leads: Andi Walther, Phil Watts, Bryan Baum, Mike Foster, Michael Pavolonis, Dong Wu, Steve Wanzong, Karl-Goran Karlsson, Ralf Bennartz

Thank you All!
What Next?

● We need to pick our next meeting in 2020. We have an offer to host the next meeting and we need to discuss with the CGMS. Thank You!
● We need to make a workshop report and we promise to do that within 2 weeks. We’ll probably ping you for clarification as we write this.
● We’ll move your presentations to a final repository.
● We will try to form new ICWG3 Topical Groups in the next 3 months and please contribute your thoughts.
ICWG Terms of Reference with CGMS

1. foster commonality for level-2 and level-3 operational cloud parameter retrievals and/or products;
2. contribute to the assessment of differences between level-2 cloud parameter retrievals;
3. contribute to the validation of both level-2 cloud parameter retrievals and their error estimates;
4. identify and address research questions on level-2 cloud parameter retrieval algorithms and level-3 aggregation methods;
5. contribute to process studies of clouds and/or convection;
6. contribute to the definition of new space borne observation capabilities for cloud parameter retrievals and validation;
7. support and stimulate training of the operational and scientific community;
8. enhance the communication in this field and develop international partnerships;
Main Recommendations of the ICWG-1

- Facilitate level-2 cloud assessments for near-real-time applications and level-3 cloud assessments for regional and climate applications.
- Standardize requirements and terminology for cloud products
- Enhance use of satellite cloud products in tandem with non-satellite data
- Stimulate dialogue with cloud product users, such as the IWWG, and integrate their requirements in the cloud retrieval algorithms
- Use heritage sensors to develop cloud climate data records (CDRs) that better characterize calibration errors, dependence on ancillary data, and orbital drift
- Generate sub-sampled level-1 products from historical, present, and future satellite missions to facilitate CDR reprocessing
- Include uncertainty estimates and associated quality indicators to level-2 cloud properties, and evaluate these in future ICWG assessments
- Maintain use of current, and plan for future, space borne lidar/radar measurements for long-term satellite cloud validation
Andi Walther is leading the Intercomparisons Topical Group.

Thank you to all data submitters!

Please talk to Andi and/or send a representative to that breakout. We need participation in that group to keep the intercomparisons relevant.

Example of the “CREW”-like analysis from Andi Walther’s Tools
Workshop Wishes

● Active participation in Sessions and Topical Groups
  ○ Suggest modifications for ICWG-3
  ○ Help make the intercomparison data and tools relevant
● Help ICWG respond to existing CGMS actions.
● Help ICWG come up with new recommendations to the CGMS for the ICWG or other WGs.
● Help forge new collaborations between the agencies
● Enjoy the varied program of speakers
● Enjoy Madison
Enjoy the Workshop

Thank you EUMETSAT and NOAA for the sponsorship!
Agency Representatives

Kerry Meyer (NASA, USA)
Stefan Bojinski (WMO, Switzerland)
Sung-Rae Chung (KMA Korea)
Lu Feng (CMA, China)
Andrew Heidinger (NOAA, USA)
N. Puviarasan (IMD, India),
Rob Roebeling (EUMETSAT, Germany)
Alexei Rublev (Roshydromet, Russia)
Daisaku Uesawa (JMA, Japan)