

# ICWG-2 Workshop Conclusions

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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)

*Sub-Working Groups are permanent*

*Topical Groups can be 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**



### ICWG-1

**17-20 May 2016, Lille, France, Europe**

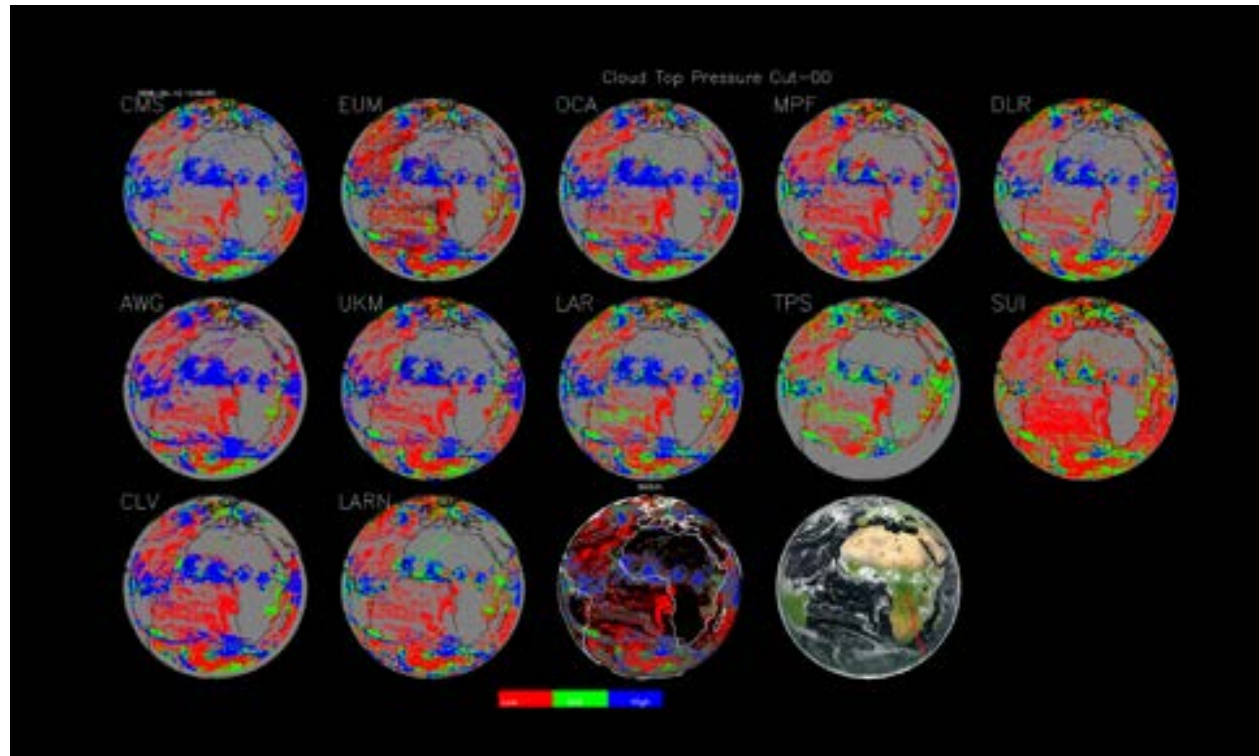
*Organized by Université de Lille 1 - Sciences & Technologies,  
France*

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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 inter-comparisons 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



**EUMETSAT**

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)