

Convection Working Group Splinter Meeting

27 September 2016 14:30-16:00

EUMETSAT Conference
Darmstadt

Draft Minutes

1. Welcome: Mateja Irsic Zibert welcomed the participants. The participants, altogether 24, briefly introduced themselves. The participant list is in the Appendix A. Mateja explained that since we had had just recently the full workshop in Florence, this meeting would be just a short one.
2. Review of Actions and Recommendations after Florence.
 - a. MTG RSS Service Status. Just general information of MTG RSS was given. Small study has been started to look at the scientific aspects, and how this would affect the channel selections. This task is starting up slowly. Council approved product list is the baseline. At this stage it is too early to come up with any conclusions. John Mecikalski is working on this study, expected completion May 2017.
 - b. Meteosat-8 update information. Jochen G. reported on his presentation to the autumn OPS WG and SWG with regard to the recommendation given by the Convection Working Group on the Met-8 HRV upper window shift. The following OPS WG Action remains open: "Relating to Meteosat-8 IODC HRV scan configuration option adopted by the STG-OPSWG (i.e. Option 3: Two HRV windows, with lower window maximising Indian Ocean coverage then following Sun illumination, and upper window moving in synchronisation with the 0 deg mission upper HRV window), STG-OPSWG to assess what would be the preferred time for the upper window shift, and to report back at the Spring 2017 meeting."

The OPS WG in spring 2017 will need a full view of the mission objectives of IODC, and the pros and cons with respect to changing the scan pattern taking all applications in view, before recommending a possible change to STG.

Jochen Kerkmann mentioned the effect of early morning terminator approach would affect i.e. the colleagues in Oman. Jan Kanaks first remarks about stereoscopic pictures made with Meteosat-8 and Meteosat-10 were shown to the CWG. Joachim mentioned SWG would be interested to know more about this work. The best time frame to provide the consolidated input would be in January 2017.

Action, CWG chairs: arrange a teleconference with those providing visualization of the CWG input on this topic. Deadline in December 2016.

c. Additional remarks on the Recommendation 3 - **OCA product**: Jochen G. commented that this recommendation was largely approved. Piotr asked when OCA products every 15 minutes would be available, but no date information is available yet. The final recommendations from some delegate body members still pending. Mark H asked about how people are visualising the OCA products. Piotr responded that there are six different products available, at IMGW all visualised individually.

d. Recent Concepts and Practices Document: Condensed document for operational forecasters - status

Mateja explained the way how this document could be created and that this document would be a living document updated at every meeting. Natasa commented that this type of guide could follow the EUMeTrain RGB product guide. Xavier Calvet pointed out that NWC SAF product guide also resembles this a lot. It was agreed that the approach with pre-convective environment, early initiation and mature phase will need to be preserved in such an condensed, operational version of the document. Xavier commented that it would be good to prepare the forecasters also for the future products.

e. **Links to scientific publications**

Participants were invited to share their links to their recent publication (in last 3-5 years) on convection to be published on CWG webpage. Links are collected by CWG secretary: Alois M. Holzer alois.holzer@essl.org

With this there will be important overview of publications at one location on CWG webpage:

http://www.essl.org/cwg/?page_id=620

Action, all: list of their relevant publications to alois.holzer@essl.org

2. Other updates

Jochen K. informed about the RSS upcoming possibilities (Himawari, GOES-R). In Jochen's opinion we should not only focus on the period just 10-20 minutes before the deep convection initiation, but learn about the processes taking place in the full range of convection events. Kenneth H. mentioned that Japan and Australia can use targeted Himawari RSS observations. He recommended establish alink between CWG and BoM on this (Anthony Ray). Ken further said he will contact people at JMA / BoM on this when meeting them.

Michele de Rosa: Storm tracking algorithm ready to be deployed. Comparison and stereoscopic tests are to be made.

Xavier Calbert, informed the group that NWC SAF is preparing three testbeds. They will engage a few forecasters with NWC SAF products, and gather feedback from their experience. The first one is planned in Spain in November, another one will be in collaboration with ESSL in 2017 and yet another in 2017 in Spain. Joachim S. welcomed this new activity. Natasa S. commented that testbed activities are very useful for the forecasters.

Jochen G and Kenneth H stressed the importance to align the hyperspectral sounder discussions with IRS MAG and keep all parties informed for good coordination.

Pilar Ripodas mentioned that EUMETSAT was requested to provide NWC SAF products through EUMETCast Africa. RDT & CRR were requested. Meteo France already generates RDT in some areas in Africa, these products could be sent to EUMETSAT. Mark H mentioned RAIDEG as a WMO WG who would like to know more about the products and about the best practice in using them.

Upcoming meetings and workshops:

- 18 - 22 September 2017, ECSS in Pula, Croatia.
- ECSS 2019, in Cracow, Poland.
- 2nd European Nowcasting Conference 3 - 5 May 2017 at DWD Offenbach, Germany.
- EUMETSAT conference, 2 - 6 October 2017, Rome, Italy
- EUMETSAT conference 2018, Tallinn, Estonia.
- AMS/EUMETSAT joint conference in 2019, Boston, USA.

3. Next CWG splinter meeting.

Next splinter meeting will be held in the week of 18-22 September 2017 in Pula (ECSS).

4. Closing. Mateja closed the meeting at 15:45 and thanked the participant for their attendance.

Appendix A. The participant list.

Vesa Nietosvaara, EUMETSAT
Mateja Irsic Zibert, ARSO, Slovenia
Lorenzo Labrador, UK Met Office
Piotr Struzik, IMWM-NRI, Poland
Zsofia Kocsis, OMSZ - Hungarian Meteorological Service, Hungary
Maria Putsay, OMSZ - Hungarian Meteorological Service, Hungary
Wayne Feltz, University of Wisconsin-Madison, USA
John Mecikalski, University of Alabama-Huntsville, USA
Michele de Rosa, Geo-K, COMET, Rome, Italy
Joachim Saalmüller, EUMETSAT
Kathrin Wapler, DWD, Germany
Mark Higgins, EUMETSAT
Izidor Pelajic, DHMZ, Croatia
Natasa Strelec Mahovic, DHMZ, Croatia
Mounir Lekouara, EUMETSAT
Jean-Marc Moisselin, Meteo-France
Jindrich Statska, Czech Hydrometeorological Institute, Czech
Alex Kryvobok, Hydrometeorological Institute, Ukraine
Jochen Grandell, EUMETSAT
Jochen Kerkmann, EUMETSAT
Xavier Calbet, AEMET, NWC SAF
Pilar Ripodas, AEMET, NWC SAF
Ken Holmlund, EUMETSAT
Ivan Smiljanic, EUMETSAT