

Convection Working Group - Splinter Meeting
Thursday 6 September, 14:15 – 16:00, Scandic Marina Conference Center, Helsinki,
Finland

Meeting Minutes

Chairs: Marianne König, Martin Setvák

Keeper of the Minutes: Pieter Groenemeijer

Agenda:

1. Action and Recommendation review of last convection workshop meeting in Prague
2. Status of Best Practice Document
3. Status of Website
4. CWG upcoming meeting
5. Other CWG activities
6. AOB

Marianne welcomes the participants and opens the meeting.

1. Action and Recommendation review of last convection workshop meeting in Prague

Instability Product (Action 1):

- Marianne is in contact with Monika Pajek (Poland) to obtain NWP data and next report with results is expected at the Zagreb Workshop. Marianne and Pierre will also be in touch.

Nearcast Product (Actions 2 and 3):

- Pieter reports that the NearCast is being integrated into the ESSL Testbed 2013 interface for forecasters. Ralph Peterson will take part in Testbed 15-19 July.
- Marianne and Ralph are working on study on applying NearCast to Lake Victoria WMO forecast demonstration project.

Convective Initiation product (Action 4):

- DWD (Pierre Fritzsche) provides the C.I. product to be tested. Pierre, Zsofia Kócsis and John Mecikalski will take part in the ESSL Testbed 2013. A suggestion is made to evaluate the probabilistic product at the Testbed in 2014.
- Maria Putsay's collaborative work will also be put on web site. Maria will provide a title and small introductory text, to go along with a Powerpoint presentation and other information, which Pieter will publish on the website.

The relation between the CI product and storm severity (Action 5):

- Final Report on the work by John Mecikalski and Daniel Rosenfeld will made available by Marianne on the CWG website.

JMA's Convective Initiation product (Action 6):

- A document has been provided by JMA and has been included in the Best Practice document.

WV / BTT-diff product (Action 7):

- Pieter will check whether link to the technical document about this products on CWG is present.

Improve theoretical understanding of BTD products by use of RTM methods (Action 8):

- Marianne will get to Phil Watts.

Development of comprehensive cold ring database (Action 9):

- Mateja has focused on a large Slovenia-centered region in a study she reported on at ECSS. She received a request from MetOffice and has to decide whether data must be made public. Martin: Michaela Radova is working on collecting "central European" cases and analyses some of their features. Martin comments that physical understanding of the processes responsible for transition of storm top features (from cold ring to cold-U or cold-V) is important for better understanding of importance of these. We will discuss the establishment of the database and the work now needing to be done (analyses, theoretical studies) in Zagreb.

Overshooting tops (Action 10):

- Jan will show results of the database.

Collaboration of Ukraine-ESSL (Action 11):

- Has not yet started

Actions 12-15, regarding Best Practices Document (see below).

ESSL Testbed / Nowcast-SAF (Action 16):

- This discussion has not yet led to concrete results.

Other topics that were reported:

- EUMETRAIN will have a (event week) training week with focus on NWC-SAF. This to be advertised on the CWG working group and at the Testbed.
- The 2.5 minute super-rapid scans are currently ongoing. With approval of EUMETSAT's STG-OPS members, ESSL is the entity responsible for suggesting and deciding about the potentially interesting (convectively active) days for these 2.5-minute scans.
- The HerZ initiative (Deneke) will report at the Workshop. Kathrin already presented first results at ECSS.
- CHUVA-database collaboration: Marianne will ask US colleagues if they are collaborating

2. Status of Best Practice Document

New planned additions:

- New Action item: A description of Cb-Tram is to be added by Dennis Stich (DLR).
- The results of the study by Maria Putsay and colleagues should be incorporated.
- Marianne to contact John to report on the Mecikalski-Rosenfeld study.

Alois Holzer (ESSL) raises the question how the dissemination of Best Practices document is arranged, and a discussion on this topic results in making sure that the Document is available...

- On the CWG website (as has been the case) and Marianne will point EUMETSAT trainers to its presence.
- Natasa suggests to make a flyer pointing to the Best Practice Document. Marianne will make such a flyer
- Pieter will add the document to the info materials available to Testbed Participants

3. Status of Website

We find that not many blog posts have come yet, and ask everyone to post short items of information with some illustrations, possibly but necessarily pointing to larger resources of information (e.g. publications, PowerPoint presentations etc.)

4. CWG upcoming meeting

The upcoming full CWG meeting is planned from 7 – 11 April 2014 in Hotel Dubrovnik in Zagreb, from Monday by midday until Friday midday.

The meeting will be structured according to the series of topics pre-convective environment, convective initiation, mature storms, and storm lifecycle. We will have short presentations.

The meeting will be pre-announced with an e-mail to CWG members asking who will come (to do Pieter).

The same approach will be followed regarding the CWG e-mail list. Recipients will get e-mail asking for confirmation to stay on the list. Those not replying after a reminder has been send out, will be removed from the list in order to keep the list limited to those active and interested.

5. Other CWG activities

Marianne reports that there is a new effort called SCOPE-NWC: Sustained Coordinated Processing of Environmental Satellite Data for Nowcasting, which just had its kick-off meeting. Marianne suggested that CWG will be adopted by project.

There is also a EUMETNET Nowcasting project that is being started up. Pieter indicates he would like CWG and ESSL to be involved. It is decided that CWG will send an observer to the EUMETNET

nowcasting project. Agostino Manzato was proposed during this meeting, but later on Marianne decided she would act as the CWG point of contact.

6. AOB

CWG has invited Prof. Pao K. Wang to join the group, as his storm modelling results have big potential of improving our understanding of the convective-storm-related processes and observations. Pao Wang is welcome to join the group at the Zagreb 2014 meeting.

There are no other items of discussion.

The meeting is closed at approximately 16:00.