

Protocol for the workgroup -GOP-

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Participants:

- Michael Baldauf (DWD)
- Susanne Crewell (SC) (Uni Cologne)
- Martin Hagen (MH) (DLR)
- Anja Hünnerbein (FU Berlin)
- Armin Mathes (AM) (Uni Bonn)
- Mario Mech (*Protocol*)(Uni Cologne)
- Jeanette Onvlee (KNMI)
- Gerhard Peters (GP) (MPI Hamburg)
- Thorsten Reinhardt (Uni Cologne)
- Bodo Ritter (DWD)

General questions:

- **Is there any idea of extending the evaluation to other models beside LMK/E?**

We would like more people working with models to join and contact us. For cloudnet stations it is already planed. SC will contact the Met Office people. Evelyn Richard could be asked for the French model. Felix Ament plans to participate with the swiss COSMO

- All "only" COPS station will be deleted from the GOP webpage and database to avoid data redundancies.

- **Are there different levels of data products in the GOP data base?**

No, only data selected as final will be archived.

- Before the next PGP proposal writing phase in autumn 2007 we should discuss how GOP could be continued past 2007.
- Update the web page with informations of writing netCDF files. Provide more example files. This is important since the COPS data will be stored in netCDF format as well and the data format should be consistent between both projects.

Question concerning the different work packages:

GOP-1:

- Bernd Dietzer has to be asked what time (MEZ, UTC) is used in the rr data files.
- **When are the data of the water authorities expected to be delivered to the GOP ftp-server?**

We (AM) have the data already in Bonn and they will be delivered in 3 or 4 weeks. Afterwards in a monthly mode. But the data are not quality checked. Because it is desirable to have the quality checked and as well as the original data we will store both types in one file eventhough this does not coincident with the anciently decision not to store different levels of the data products.

- **How long will you (GP) need to deliver final data of the MRR's?**

It won't be long. The problem are the different formats of the outputs.

- **Are there two different REGNIE versions produced by DWD?**

Needs to be clarified with Bernd Dietzer. If yes we will define a new group `gop1_rai_dwd6` with the final quality checked REGNIE product.

GOP-2:

- Discussion on the model intercomparison: A radar simulator should be applied to the model outputs and than compare it to the radar measurements.
- The DWD EZ product including the nancy product should not replace the original product. (MH) does not trust it. It's more useful for COPS.
- The french radar product could be interesting. (MH) could get it. But it might be as well more interesting for COPS.

GOP-3:

- **Will the MMR's in the COPS region be running for a longer time than the COPS period?**

Hornigsgrinde will move to Karlsruhe after COPS. Needs to be decided whether we put into the GOP data base.

Achern will stay so it's as well a GOP station.

Stations only available for short periods will be not included in the GOP database but should rather go into the COPS project.

GOP-4:

GOP-5:

- It would be interesting to get all the gps data available at E-GVAP (<http://egvap.dmi.dk/>). Galina Dick from GFZ should be consulted first.

GOP-6:

- DWD is not allowed to distribute EUKLID.
- LINET should be available in whole Europe.

GOP-7:

- For MSG we create products in the raw horizontal resolution since for future model comparisons one should be able to produce outputs on other resolutions. For the comparison of area and stations statistic between MSG output and LMK, the MSG output as been reduced to LMK resolution. The area statistics and the station statistics will go into the data base to Hamburg.
- We cancel the cloudsat group since its operation time will not cover most of the GOP time.

GOP-8:

- More meteorological stations in Germany will be asked for data.
- Cloudnet processing will be applied to all COPS supersites.
- More quality checks on the radiosonde data needs to be applied.