

27 June 2017 ICON EXTPAR Meeting Offenbach

Meeting

- **Offenbach**
- Time: **14:00-18:00 (ca.)**
- Room: **DWD, OF, F135, conference area GREEN**

Participants

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|---------------------|-------|
| Jürgen Helmert | DWD |
| Marco Giorgetta | MPI-M |
| Reinhard Budich | MPI-M |
| Christian Steger | DWD |
| Luis Kornblueh | MPI-M |
| Reiner Schnur | MPI-M |
| Michael Weimer | KIT |
| Günther Zängl | DWD |
| Astrid Schöne | DWD |
| Katherine Osterried | ETH |

Agenda

14:00 Welcome

14:15 - 14:45 J. Helmert et al.: COSMO/ICON physiographic data software EXTPAR

14:45 - 15:00 A. Schöne: Informationen zu Geodaten und ArcGIS

15:15 - 15:45 Coffee Break

15:45 - 17:30 Discussion

17:30 Summary and closing

Topics for discussion:

- Status of EXTPAR
- Deficiencies of the current solution
- New developments - MPI parallelization
- New HiRes data (e.g. COPERNICUS-Sentinels) - challenges for EXTPAR
- Efficient code structure
- others?

Summary:

- Presentations by J. Helmert and A. Schöne: EXTPAR and ArcGIS
- ArcGIS not as production tool but offers features for preprocessing and validation

- **Merging Code in github, managing feature requests, wiki - Sept. 2017**
- **MPI-Parallel version of EXTPAR after Sept. 2017, Evaluation of the code required**
- **Roadmap of future developments, Release plan**
- Decision: COSMO STC, ICON-PI
- Legal issues for EXTPAR: GPL?
- Frequency of Meetings: Min. 2x per year
- **Building a test-suite at CSCS and DWD, MPI (CLIM to HiRes HDPC2)**
- Web-Interface: Evaluate existing versions, hosting a common interface
- New features from MPI (MIN, MAX of gridpoint values), Ocean related land-mask
- General module for reading new data as demand
- NetCDF-Issues (NetCDF-4)
- Solve SSO problems – background: orientation of mountains in high lat.
 - alternative data set from DLR/Airbus – area based, legal questions
 - slope of the icon grid (averaging sso-slope)