

Extpar session agenda

1. Overview of current Extpar status (Katie Osterried, 5 min)
2. Discussion (all)
 - Future of Extpar web interfaces (30 min)
 - PAMORE
 - WebPEP
 - Any other topics (10 min)

Extpar status Spring 2021

Latest release: 5.4.1 in November 2020

Full support for ICON and COSMO

Regular and merge testing:

- at DKRZ (Mistral) and CSCS (Tsa and Piz Daint)
- on multiple compilers (NAG, intel, gcc)
- with climate and NWP setups for ICON and COSMO

Extpar recent additions

- Inclusion of radiation topography parameters (HORIZON and SKYVIEW) for ICON grid
- New landuse datasets: Corine and ECCL
- Improvement of performance by rewriting some modules with python and CDO
- Improvement of build system
- New memory caching technique to create parameter files for extremely large grids
- Documentation and unification of all input datasets using git-LFS

Extpar planned activities 2021

- Inclusion of high-resolution topography dataset
- Unification of Extpar web interfaces
- Speedup of topography processing to enable faster parameter generation for large grids
- Finish CDO-Python port (AHF and ISA)

3rd Annual Hackathon:

- Intensive week of planning and development of Extpar
- Fruitful collaboration between MPIM, DWD, and C2SM
- Autumn 2021 (in person if possible)

Extpar source code administrator



- Center for Climate Systems Modeling is responsible since March 2017
- Currently Katie Osterried
- Due to restructuring at C2SM, plan to transfer Extpar SCA responsibility to Jonas Jucker in spring 2021
- Pending approval by Steering committee
- Contact information: jonas.jucker@env.ethz.ch

Extpar web interface discussion

- PAMORE: ICON web interface hosted by DWD
- WebPEP: COSMO web interface hosted by COSMO-CLM (Helmholtz Zentrum, Geesthacht)

Questions:

- Access for whole community
- COSMO and ICON
- Regular updates with Extpar releases
- Testing
- Grid generator for ICON