

Swiss COSMO User Workshop

17 January 2012

Goal

The Swiss COSMO User Workshop is intended as a platform to share experience and present current projects making use of the COSMO model. The informal workshop atmosphere is ideal to discuss possible problems with the model and initiate collaborations with other groups. Talks should be focused on the COSMO model and take approximately 12 minutes with 8 minutes for discussion.

Location

MeteoSwiss, Krähbühlstrasse 58, 8044 Zürich, Room 354

Program

- 10.30 – 10.35 Philippe Steiner, MeteoSwiss
Welcome and general information
- 10.35 – 10.45 Philippe Steiner, MeteoSwiss
News from the COSMO Consortium
- 10.45 – 11.05 Heini Wernli, IACETH
A new snow melting parameterization within COSMO
- 11.05 – 11.25 Ruth Lorenz, IACETH
Evaluation of land-climate interactions in COSMO-CLM²
- 11.25 – 11.45 Omar Bellprat, IACETH
Sensitivities of COSMO-CLM to changes of the laminar surface layer
- 11.45 – 12.05 Nicolas Piaget, IACETH
Online modification of specific humidity along selected trajectories
- 12.05 – 12.25 Elias Zubler, IACETH
Description and applications of the new framework for aerosol-cloud-interactions in COSMO-CLM/M7
- 12.30 – 13.30 *Lunch break***

- 13.30 – 13.50 Dominik Brunner, EMPA
Simulating ambient aerosol characteristics with COSMO-ART
- 13.50 – 14.10 Andreas Pauling, MeteoSwiss
Pollen in COSMO-ART: current developments
- 14.10 – 14.30 Anne Roches, C2SM
Implementation of a general tracer treatment in COSMO
- 14.30 – 14.50 Oliver Fuhrer, MeteoSwiss
Analysis of error propagation in the fast wave solver of COSMO
- 14.50 – 15.05 *Coffee break***
- 15.05 – 15.25 Xavier Lapillonne, C2SM
Porting the radiation parametrization on GPUs
- 15.25 – 15.45 Carlos Osuna, C2SM
Recent developments on NetCDF I/O: towards hiding I/O computations on COSMO
- 15.45 – 16.05 Marco Arpagaus, MeteoSwiss
Plans of MeteoSwiss for 2012-2015: COSMO-NExT
- 16.05 – 16.25 Daniel Leuenberger, MeteoSwiss
Changes in the last official and MeteoSwiss COSMO versions
- 16.25 – 16.45 *Final discussion***
- 16.45 Open end *Apero***