

Swiss COSMO User Workshop

27 November 2013

Goal

This Swiss COSMO User Workshop is intended as a platform to meet other COSMO users and get to know each other. A first session gives the opportunity to new COSMO users and developers to introduce themselves. In a second session, an overview of the main COSMO activities taking place in the groups is proposed. The third session consists of various contributions: specific project results, methods or tools.

Location

MeteoSwiss, Krähbühlstrasse 58, 8044 Zurich, room 354

Take tram n° 6 (direction "Zoo") to the station "Zürichbergstrasse".

Walk 100 m up along the Krähbühlstrasse. The MeteoSwiss building is on the right side of the street.

Program

- 09.30 – 09.35 Daniel Leuenberger, MeteoSwiss, APN group
Welcome and general information
- 09.35 – 10.45 ***Introduction of new COSMO users and developers (10 min. each)***
Lea Giordano, EMPA, Modelling and Remote Sensing group
Quentin Lejeune, IAC, Land-Climate Dynamics group
David Leutwyler, IAC, Climate and Water Cycle group
Steeff Boeing, C2SM
Shira Raveh, IAC, Atmospheric Dynamics group
Marina Dütsch, IAC, Atmospheric Dynamics group
Baas Crezee, IAC, Atmospheric Dynamics group
- 10.45 – 10.50 ***Session change: Overview of the group activities around COSMO***
- 10.50 – 11.15 Sven Kotlarski, IAC, Climate and Water Cycle group
COSMO-CLM and the EURO-CORDEX multi-model ensemble: First Results
- 11.15 – 11.40 Edouard Davin, IAC, Land-Climate Dynamics group
COSMO activities in the Land-Climate Dynamics group
- 11.40 – 12.05 Marco Arpagaus, MeteoSwiss, APN group
COSMO NExT activities

12.05 – 13.15 *Lunch break*

13.15 – 13.30 Stephan Pfahl, IAC, Atmospheric Dynamics group

COSMO activities in the Atmospheric Dynamics group

13.30 – 13.40 Dominik Brunner, EMPA, Modelling and Remote Sensing group

Lagrangian and Eulerian transport and chemistry modelling with COSMO

13.40 – 13.55 Sara Pousse-Nottelmann/Franziska Glassmeier, IAC, Atmospheric Physics group

COSMO activities in the Atmospheric Physics group

13.55 – 14.10 Lukas Papritz, IAC, Atmospheric Dynamics group

COSMO-ROMS activities in the Atmospheric Dynamics group (IAC) and in the Environmental Physics group (IBP)

14.10 – 14.15 *Session change: Various contributions*

14.15 – 14.30 Xavier Lapillonne, C2SM

POMPA and HP2C activities

14.30 – 14.45 Stefan Rüdüsühli, MeteoSwiss, APN group

COSMO in single precision

14.45 – 15.00 Joseph Charles, CSCS, Scientific Community Engagement group

Rewrite of the graupel microphysical parameterization of COSMO using Stella

15.00 – 15.20 *Coffee break*

15.20 – 15.40 Michael Keller, IAC, Climate and Water Cycle group

Understand Your Code: a short tutorial

15.40 – 15:55 Annette Miltenberger, IAC, Atmospheric Dynamics group

Sensitivities of orographic precipitation in 2D-COSMO simulations

15.55 – 16.10 Katrin Zink/Andreas Pauling, MeteoSwiss, APN group

Current developments and operational application of COSMO-ART and pollen

16.10 – 16.25 Stephan Henne, EMPA, Modelling and Remote Sensing group

Compiling high-resolution input data for the Community Land Model

16.25 – 16.40 Daniel Leuenberger, MeteoSwiss, APN group

COSMO5.0

16.40 – 16.55 *Discussion and final remarks*

16.55 **Open end** *Apero*