

COSMO User Workshop

21 January 2019

Goal

The COSMO User Workshop is intended as a platform to meet other COSMO users and get to know the work of each other. This year's program consists of short talks aiming at introducing new COSMO users/developers and their project and longer presentations. The allocated time also includes a few minutes at the end for questions.

We hope that you will enjoy this lively mix in an informal and interactive atmosphere!

Location

ETH Zürich, CAB building, Room G 61

Program

10.00	– 10.05	Katie Osterried, C2SM Welcome and general information
		<i>New COSMO User introductions</i>
10.05	– 10.10	Fabienne Dahinden, IAC ETH, Atmospheric Dynamics
10.10	– 10.15	Andries De Vries, IAC ETH, Atmospheric Dynamics
10.15	– 10.20	Iris Thurnherr, IAC ETH, Atmospheric Dynamics
10.20	– 10.25	Ioannis Katharopoulos, EMPA, Modelling and Remote Sensing
10.25	– 10.30	Pavle Arsenovic, EMPA, Modelling and Remote Sensing
10.30	– 10.35	David Ochsner, EMPA, Modelling and Remote Sensing
10.35	– 10.40	Remo Dietlicher, MeteoSwiss
		<i>COSMO User presentations</i>
10.40	– 10.55	Roman Brogli, IAC ETH, Climate and Water Cycle Processes causing future precipitation changes in Europe throughout the year
10.55	– 11.10	Annika Oertel, IAC ETH, Atmospheric Dynamics Embedded convection in WCBs
11.10	– 11.25	Adel Imamovic, IAC ETH, Climate and Water Cycle Mountain Volume Control on Deep-Convective Rain Amount
11.25	– 11.40	Jesus Vergara, IAC ETH, Climate and Water Cycle When is it ok to switch off the parameterisation of deep convection?

11.40	– 11.55	Gesa Eirund, IAC ETH, Atmospheric Physics Impacts of ice formation on cloud field organization – a case study of Arctic mixed-phase clouds
11.55	– 13.00	Lunch
13.00	– 13.15	Stephanie Westerhuis, MeteoSwiss, Numerical prediction Towards improved fog and low stratus forecasts with COSMO-1
13.15	– 13.30	Sascha Bellaire, SLF, Snow and Permafrost group Towards a new snow cover scheme for COSMO and ICON
13.30	– 13.45	Tobias Jonas, SLF Snowmelt modelling using dynamically downscaled COSMO radiation data
13.45	– 14.00	Daniel Leuenberger, MeteoSwiss, Numerical prediction ModInterim: On the way to a new operational COSMO configuration
14.00	– 14.15	Andreas Pauling, MeteoSwiss, Numerical prediction Ambrosia pollen emission in COSMO-ART is based on Artificial Neural Networks
14.15	– 14.30	Qing Mu, EMPA, Modelling and Remote Sensing An evaluation of high-resolution nested European and Swiss COSMO-ART chemistry transport simulations
14.30	– 14.45	Jean-Matthieu Haussaire, EMPA, Modelling and Remote Sensing European-scale CO2 simulations with COSMO-GHG and comparison with other mesoscale models
14.45	– 15.00	Gianluca Mussetti, EMPA, Modelling and Remote Sensing The impact of trees on urban heat islands simulated with the new urban climate model COSMO-BEP-TREE
15.00	– 15.30	Coffee Break
15.30	– 15.45	Verena Bessenbacher, IAC ETH, Land-Climate Dynamics Comparison of COSMO-TERRA and COSMO-CLM2
15.45	– 16.00	Matthieu Leclair, IAC ETH, Land-Climate Dynamics Porting COSMO-CLM2 to GPU
16.00	– 16.15	Michael Jähn, EMPA, Modelling and Remote Sensing A python-based processing chain facilitating automated COSMO simulations and post-processing
16.15	– 16.30	Katie Osterried, C2SM Overview of C2SM ICON activities
16.30	– 16.45	Guy de Morsier, MeteoSwiss, Numerical prediction Comparison of ICON with COSMO and MeteoSwiss plans

16.45	– 16.50	Katie Osterried, C2SM Closing remarks
16.50	Open end	<i>Apero</i>