

ALARO-1 Working Days
11 - 13 March 2019
Bratislava, Slovakia

Programme
(8 March 2019)

Monday, 11 March

8:45 *Arrival and welcoming participants*

9:00 – 17:15

5' Maria Derkova: Wellcome + Practical information
10' Piet Termonia: Introduction
10' Neva Pristov: Short overview of last 2,5 years
15'+5' Ján Mašek: ACRANEB2 - current status and plan
30'+10' Ivan Bašták Ďurán: A two-energies turbulence scheme

10:30 – 11:00 Coffee break

20'+5' Mario Hrastinski: TKE-based mixing length in TOUCANS
10'+5' Peter Smerkol: TOUCANS: issues with computations in TOMs
15'+5' Radmila Brožková: Shallow convection closure using mass-flux type approach
10' *Discussion on TOUCANS*
20'+5' Martina Tudor: Quality of physiography data in climate files

12:30 – 13:30 Lunch

35'+10' Ján Mašek: New roughness treatment in ISBA scheme
25'+5' Martin Dian: ALARO-1 with SURFEX - current status and plan
5'+5' Ján Mašek (Rafiq Hamdi): ALARO-1 with SURFEX - some interfacing issues
10' *Discussion on SURFEX*

15:00 – 15:30 Coffee break

15'+5' Luc Gerard: CSD - a status overview
20'+5' Bogdan Bochanek: Prognostic graupel
15'+5' Daan Degrauwe: ALARO experience in Belgium
15'+5' Piotr Sekula: ALARO experience in Poland
15'+5' Duygu Aktas: ALARO experience in Turkey

19:00 *Workshop dinner*

9:00 – 17:30

Tuesday, 12 March

- 40'+10' R.Brožková, J.Mašek: Cloudiness: status, unification attempts and perspectives
30'+5' Luc Gerard: Cloud reunification in the CSD context
10' *Discussion on clouds*

10:30 – 11:00 Coffee break

- 30'+5' Martin Belluš: Uncertainty simulation in ALADIN-LAEF
30'+5' Michiel Van Genderachter: Physics perturbations in EPS
40'+5' Geert Smet: ALARO performance in the prototype convection-permitting RMI-EPS

12:30 – 13:30 Lunch

Session with Video conference

- 30'+5' Pau Escriba: ALARO in the Spanish AEMET-gSREPS (*video conference*)
10' *Discussion on EPS*
20'+5' Petra Smoliková: NH dynamics at high resolution - setup and results
20'+5' Radmila Brožková: ALARO at high resolution - setup and results

15:00 – 15:30 Coffee break

- 30'+5' Ján Mašek: 3D radiation - why, when and how?
20'+5' Piet Termonia: Climate activities in Belgium
15'+5' Martina Tudor: ALARO experience in Croatia
10'+5' Radmila Brožková: ALARO experience in Czech Republic
15'+5' Maria Derková, Martin Dian: ALARO experience in Slovakia
15'+5' Neva Pristov: ALARO experience in Slovenia

9:00 – 12:00

Wednesday, 13 March

Discussion (*with coffee break around 10:30*)

- summary of discussions of previous days
- current status, open questions/problems
- future issues and prospects on ALARO-1 versions
- recommended/possible resolutions, GCM tests, MUSC testbed, climate, load/benefits, DDH, single precision
- relations with SURFEX (link between TOUCANS and SURFEX (e.g. TEB), LBC coupling ...)
- the longer-term desirability of interoperability of ALARO parameterizations with the other CMC's (AROME and Harmonie-AROME)
- physics in LAM EPS, e.g. multiphysic: process-based and/or parameter-based stochastic physics instead of varying just options in schemes
- (FURTHER TOPICS SUGGESTED BY PARTICIPANTS)...

Outcomes, final discussion, closing