

ALARO-1 Working Days
13 - 15 June 2012
Ljubljana, Slovenia

PROGRAMME

9:00 - 18:30 **Wednesday, 13 June**

- 15' Welcome and practical information (Klemen Bergant, Neva Pristov)
- 30' Piet Termonia: Introduction (scope, current status)
- 45' Jean-Francois Geleyn: Principles of ALARO (overview, generalities)

10.30 - 11:00 **coffee break**

- 20' Daan Degrauwe: Generic equations and phys-dyn interfacing
- 20' Radmila Brozkova: *Precipitations aspects A:*
3MT in ARPEGE exercise
- 20' Christoph Wittmann: ALARO-0 experience in Austria, LAEF
- 20' Piet Termonia: ALARO-0 experience in Belgium
- 20' Martina Tudor: ALARO-0 experience in Croatia

12:40 - 14:00 **lunch break**

- 20' Mihaly Szucs: ALARO-0 experience in Hungary
- 20' Doina Banciu: ALARO-0 experience in Romania
- 20' Neva Pristov: ALARO-0 experience in Slovenia, Portugal
- 20' Tayfun Dalkilic: ALARO-0 experience in Turkey

15.40 - 16:10 **coffee break**

- 30' Luc Gerard: *Convection - novelties in 3MT A:*
Unsaturated downdrafts
- 20' Radmila Brozkova: *Precipitations aspects B:*
Retuning of ALARO-0 at 4.7 km and consequences
- 20' Jean-Francois Geleyn: *Precipitations aspects Ca:*
Microphysics' evolutions, past, ongoing and foreseen

9:00 - 18:30

Thursday, 14 June

- 55' Jan Masek: *Radiation:*
Rehearsal of the gaseous transmission functions
- 30' Ivan Bastak Duran: *Turbulence-Diffusion - TOUCANS A:*
SOMs and TOMs

10.30 - 11:00 coffee break

- 40' Jean-Francois Geleyn: *Turbulence-Diffusion - TOUCANS B:*
Moist aspects
- 45' Luc Gerard: *Convection - novelties in 3MT B:*
Geometrical aspects of sub-grid convective condensation and precipitation
(CSU concept, closure, time evolution)

12:30 - 14:00 lunch break

- 30' Ivan Bastak Duran: *Turbulence-Diffusion - TOUCANS C:*
Pre-operational choices
(QNSE vs.MY-type, A or B system, Length-scale, Shallow convection cloudiness,...)
- 30' Radmila Brozkova: *Precipitations aspects Cb:*
Microphysics' evolutions, past, ongoing and foreseen

15:20 - 15:40 coffee break

- 45' Luc Gerard: *Convection - novelties in 3MT C:*
Convergence towards the 'all-resolved' solution
(triggering, academic example studies; open questions; conclusions, planning)
- 20' David Lindstedt: ALARO-0 in climate simulations
- 20' Laura Rontu: HARMONIE physics plans

9:00 - 12:15

Friday, 15 June

- 50' Jean-Francois Geleyn: *Moist Physics:*
Unifying perspectives in interfacing, diffusion, convection and cloud-cover

Working group discussion (Piet, Neva)
list of proposed topics:
what is included into ALARO-1
the plan how to obtain ALARO-1 (short term)
long term plan, LACE project
ALARO with SURFEX
further planning of 3MT-in-ARPEGE
validation of ALARO inside cycles

10.30 - 11:00 coffee break

Working group discussion (cont.)
Outcomes, final discussion
Closing

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