

**ALARO-1 WORKING DAYS**  
**12-14 September 2016**  
**Brussels, Belgium**

**Monday, 12 September**

**8:40**                    **Arrival and welcoming participants**

**9:00-17:15**

**5'**                    **Piet Termonia: Welcome**

**5'**                    **Practical information**

**15'**                    **Neva Pristov: Introduction and short overview of last 2 years**

**45'+15'**            **Jan Mašek: Novelties in radiation**

**10:30-11:00** **Coffee break**

**25'+5'**            **Ivan Bastak: TOUCANS and moist prognostic TKE and TTE**

**15'+5'**            **Mario Hrastinski: Mixing length computation in TOUCANS**

**25'+10'**          **Steven Caluwaerts: Alaro experience in Belgium with different setups and resolutions.**

**12:30-14:00** **Lunch**

**30'+10'**          **Radmila Brožková: The shallow convection closure**

**10'**                    *Discussion on TOUCANS and on Shallow convection*

**15'+5'**            **Bogdan Bochenek: ALARO experience in Poland**

**15'+5'**            **Martina Tudor: ALARO experience in Croatia**

**15:30-16:00** **Coffee break**

**15'+5'**            **Alex Deckmyn: The HARP verification package - usage**

**25'+5'**            **Luc Gerard: The non-saturated downdraft in Alaro-1**

**15'+5'**            **Dávid Lancz: ALARO experience in Hungary**

**9:00-17:30**                    **Tuesday, 13 September**

**10'+5'**            **Rafiq Hamdi: Coupling of Alaro-1 with SURFEX**

**15'+5'**            **Patrick Samuelsson: Progress with SURFEX in HirLAM**

**15'**                    *discussion on surfex*

**15'+5'**            **Simona Briceag: ALARO experience in Romania**

**15'+5'**            **Maria Derková: ALARO experience in Slovakia**

**10:30-11:00** **Coffee break**

- 20'+5'      **Jan Mašek, Martin Dian: Modifications in 2m diagnostics**
- 40'+10'    **Luc Gerard: Scale-aware deep convection parameterization**
- 10' +5'     **Luc Gerard: Cloudiness in high resolution context**
- 12:30-14:00 Lunch**
- 15'+5'      **Lisa Bengtsson: Stochastic deep convection parameterization using cellular automata in Alaro**
- 15'+5'      **Radmila Brožková: Alaro experience in Czech Republic**
- 10'+5'      **Luc Gerard: Alaro-1 multiscale behaviour with cellular automata**
- 10'          *Discussion on deep convection and CA*
- 15'+5'      **Duygu Ustuner: ALARO experience in Turkey**
- 15:30-16:00 Coffee break**
- 15'+5'      **Neva Pristov: ALARO experience in Slovenia**
- 25'+5'      **Rozemien De Troch: Overview of climate research with ALARO-0 at the RMI**
- 20'+5'      **Petter Lind: Experiences with Alaro Climate**
- 15'          *Discussion on climate applications*

**19:00 Workshop Dinner**

<b>9:00-12:00</b>	<b>Wednesday, 14 September</b>
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**Discussion (with coffee break around 10:30)**

- **summary of discussions of previous days**
- **current status, open questions/problems**
- **recommended/possible resolutions, GCM tests, MUSC testbed, climate, load/benefits**
- **SURFEX: use it or not, if yes with what configuration, if no how to couple with ARPEGE using it, relations between TOUCANS and SURFEX (e.g. TEB)...**
- **usefulness and desirability of combining parts of ALARO with other parameterizations, e.g. combining with SURFEX**
- **physics in lam eps, e.g. multiphysic: process-based and/or parameter-based stochastic physics instead of varying just options in schemes**
- **future issues (microphysics, ...)**
- **(FURTHER TOPICS SUGGESTED BY PARTICIPANTS)...**

**Outcomes, final discussion, closing**