

**12<sup>th</sup> ALADIN Workshop**  
**Medulin, Croatia**  
**PROGRAMME**

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**Sunday, 2<sup>nd</sup> June**  
16:00 - 18:00 **Registration**

**Monday, 3<sup>rd</sup> June**

8:00–9:00 **Registration**

9:00–9:45 **Opening**

9:00–9:15 Welcome by Director NMS Croatia

9:15–9:25 Practical details (Organizing Committee)

9:25–9:50 D. Giard *A new research plan and scientific networking*

9:50–11:00 *Session 1: **Operational applications** (Chair: Branka Ivančan Picek)*

9:50–10:10 M. Sandev *Operational use of ALADIN model, forecast applications*

10:10–10:30 I. Bonta *Usage of ALADIN products at HMS*

10:30–11:10 **Poster session and coffee break**

11:10–12:10 *Session 1: **Operational applications** (Chair: Branka Ivančan Picek) continued*

11:10–11:30 Z. Huthova *Precipitation forecast through statistical adaptation*

11:30–11:50 M. Tudor *MAP IOP 15 Case Study*

11:50–12:10 M. Mokorić *ALADIN products in “Taming the Dragon-Dalmatia 21 to 24 May 2002”*

12:10–14:00 **Lunch**

14:00–16:00 *Session 2: **Dynamics and coupling** (Chair: P. Smolikova)*

14:00–14:20 J. Vivoda *Present status of NH dynamics*

14:20–14:40 C. Smith *Flow over orography in NH ALADIN*

14:40–15:00 J. Vivoda *Predictor/corrector scheme for NH ALADIN*

15:00–15:20 C. Moussy *Coupling in ALADIN*

15:20–15:40 P. Termonia *Interpolation of the coupling data; a perturbation approach*

15:40–16:00 I. Gospodinov *Physics-dynamics interface*

16:00–16:30 **Coffee break**

16:30–18:30 **Parallel sessions**  
Working group: *Skill of operational models* (Chair: S. Ivatek Šahdan)  
Working group: *Dynamics and coupling* (Chair: F. Vana)

19:00 **Welcome party**

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**Tuesday 4<sup>th</sup> June**

- 9:00–10:10    *Session 1:*        **Operational applications** (Chair: Branka Ivančan Picek)  
*continued*
- 9:00– 9:20    P.Termonia    *Using ALADIN for the dispersion of pollution*
- 9:20– 9:40    K. Stadlbacher *Aircraft icing forecasts with the ALADIN model*
- 9:40– 9:55    J. D. Gril        *System collaboration - conclusions of SRNWP workshop*
- 9:55–10:10    J. D. Gril        *Portability of ALADIN applications*
- 10:10–10:40    **Coffee break**
- 10:40–12:40    *Session 3:*        **Physics** (Chair: N. Pristov)
- 10:40–11:00    J. M. Piriou    *Clouds and turbulence: present developments and perspective*
- 11:00–11:20    M. Gera        *Turbulent kinetic energy*
- 11:20–11:40    A. Simon        *Turbulent fluxes and cyclogenesis - case study of the 20  
December 1998 storm*
- 11:40–12:00    H. Seidl        *Investigation of nocturnal boundary layer structure in ALADIN  
3D and 1D version*
- 12:00–12:20C. Soci        *Moist physical parameterization in the mesoscale gradient  
computation*
- 12:20–14:00    **Lunch**
- 14:00–15:00    *Session 3:*        **Physics** (Chair: N. Pristov) *continued*
- 14:00–14:20    E. Bazile        *An overview of the weaknesses of the Convection scheme and the  
link with the prognostic liquid water*
- 14:20–14:40    L. Gérard        *Coherent treatment of deep convection, prognostic cloud water  
and cloud fractions at high resolution ALADIN*
- 14:40–15:00    T. Haiden        *Experiments with a prognostic convection scheme*
- 15:00–15:30    **Coffee break**
- 15:30–17:30    **Parallel sessions**  
Working group: **Applications** (Chair: K. Stadlbacher)  
Working group: **Physics / convection** (Chair: L. Gérard)

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**Wednesday 5<sup>th</sup> June**

- 9:00–10:40 *Session 4:      **Verification** (Chair: D. Klarić)*
- 9:00– 9:20 P. Pottier      *The objective verification project for synoptic scale*
- 9:20– 9:40 Z. Huthova      *Objective verifications at the CHMI in the last two years*
- 9:40–10:00 Z. Vakula      *Adriatic storm cases*
- 10:00–10:20 J. M. Piriou      *Computing brightness temperatures in ARPEGE/ALADIN*
- 10:20–10:40 J. Merše      *Improving ALADIN 2m temperature forecast with machine learning*
- 10:40–11:10 **Coffee break**
- 11:10–13:10 Working group: **Verification** (Chair: P. Pottier)
- 13:10–14:30 **Lunch**
- 14:30 **Brijuni excursion with dinner**

**Thursday 6<sup>th</sup> June**

- 9:00–11:00 *Session 5:      **Variational data assimilation** (Chair: D. Giard)*
- 9:00– 9:20 C. Fischer      *Variational algorithms in ALADIN: state of the art, future plans and hints*
- 9:20– 9:40 G. Balsamo      *A mesoscale variational assimilation for land surface variables*
- 9:40–10:00 S. Ivatek-Šahdan *Analysis of surface variables*
- 10:00–10:20 M. Szczech      *Matrix B for surface parameters in assimilation of IASI/AIRS data over land*
- 10:20–10:40 A. Deckmyn      *DFI blending in ALADIN Belgium*
- 10:40–11:00 M. Belo Pereira *Background error statistics estimated using an Analysis Ensemble Method*
- 11:00–11:30 **Coffee break**
- 11:30–12:30 **Parallel sessions**  
Working group: **Physics / turbulence, PBL** (Chair: M. Gera)  
Working group: **Data assimilation** (Chair C. Fischer)
- 12:30–13:30 **Lunch**
- 13:30–14:30 **Parallel sessions** (continued)  
Working group: **Physics / turbulence, PBL** (Chair: M. Gera)  
Working group: **Data assimilation** (Chair: C. Fischer)
- 14:30–14:45 **Small break**
- 14:45–16:45 **Working groups conclusions and discussion** (Chair: Y. Bouteloup)
- 16:45 **Closing**