

# 3rd working day of the SRNWP ET on surface processes

ECMWF Reading  
5 September 2011

# Programme

- 10:00 : Introduction (Jean-François Mahfouf)
- 10:10 : Presentation of COSMO activities (Martin Lange)
- 10:40 : Presentation of ALADIN activities (Rafiq Hamdi)
- 11:10 : Coffee break
- 11:30 : Presentation of ALADIN/LACE activities (Jean-François Mahfouf)
- 12:00 : Presentation of HIRLAM activities (Laura Rontu)
- 12:30 : Lunch
- 13:30 : Presentation of MetOffice activities (Martin Best/Gabriel Rooney)
- 14:00 : Presentation of ECMWF LSM activities (Gianapolo Balsamo/Souhail Boussetta)
- 14:30 : Presentation of ECMWF LDAS activities (Patricia de Rosnay, Clément Albergel, Joaquin Munoz Sabater)
- 15:00 : Tea break
- 15:30 : Discussion on ongoing activities (COLOBOC database, lake database, SRNWP workplan, and 2011 review talk)
- 16:30 : End of the meeting

# SRNWP

- EUMETNET programme for improved scientific cooperation and diffusion of knowledge between 5 LAM consortia (+ECMWF) through the initiation and execution of joint projects, and through efficient information exchange
- Current governance : PM (Andras Horanyi until 01/09/2011), SRNWP AC, Expert Teams, Annual business meeting (this year : Tallinn 10-13 October)
- Web site : [srnwp.met.hu](http://srnwp.met.hu)



# SRNWP Consortia in Europe



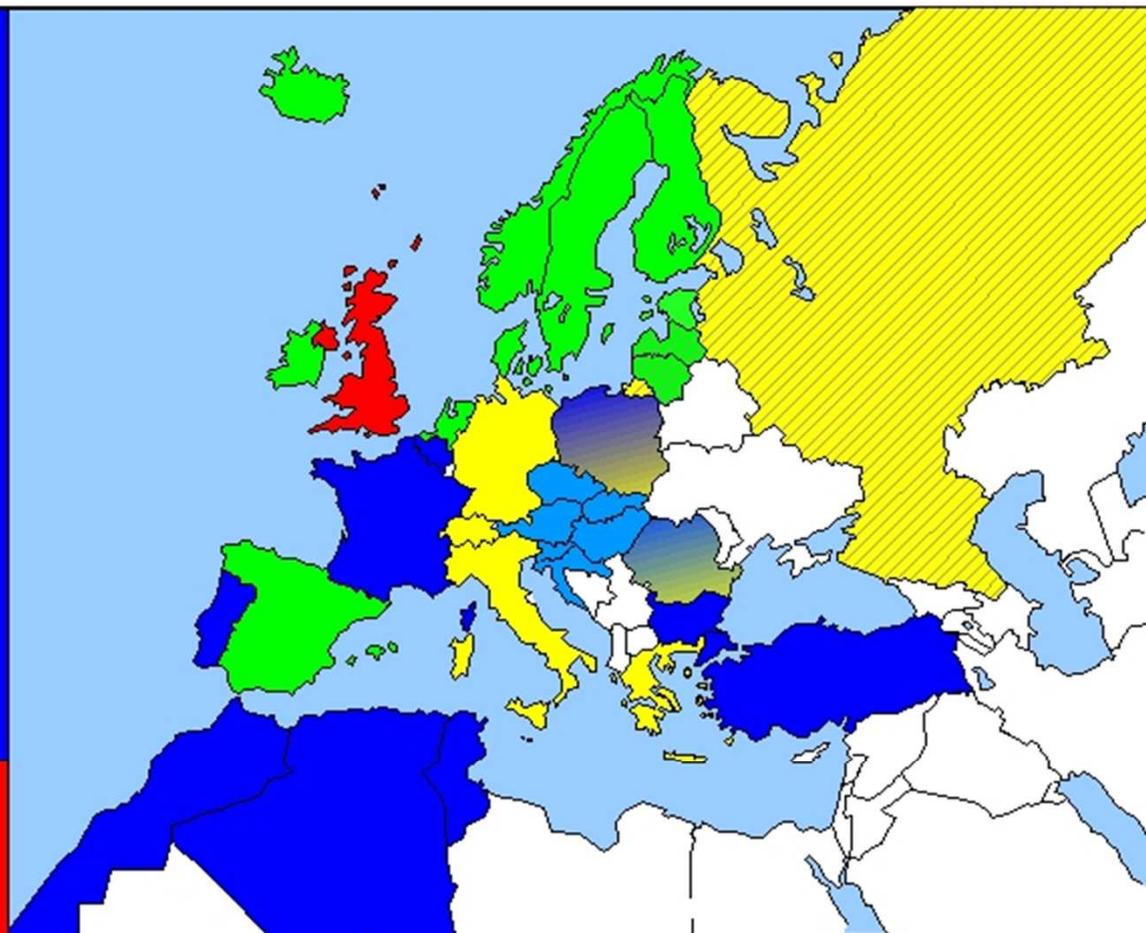
## ALADIN

Algeria  
Belgium  
Bulgaria  
France  
Morocco  
Poland  
Portugal  
Tunisia  
Turkey

Austria  
Croatia  
Czech Rep.  
Hungary  
Romania  
Slovakia  
Slovenia



**UKMO**  
United Kingdom



## HIRLAM

Denmark  
Estonia  
Finland  
Iceland  
Ireland  
Netherlands  
Norway  
Spain  
Sweden  
(Latvia)  
(Lithuania)

## COSMO

Germany  
Greece  
Italy  
Poland  
Romania  
Switzerland  
(Russia)



# List of Expert Teams (ETs)

- Data assimilation and use of observations
- Diagnostics, validation and verification (SRNWP-V)
- Dynamics and lateral boundary conditions
- Links with applications
- Physical parameterizations (upper air)
- Predictability and EPS
- Surface and soil processes (model and data assimilation)
- System aspects (SRNWP-I)

# Main tasks of ETs

- Members are nominated by the consortia (2 members per consortia) – chairperson elected by the ET members
- ETs prepare workplan for their area of interest
  - Specific areas of interest for cross-cooperation
  - Plans for workshops and meetings
- Help in the organisation of the annual EWGLAM/SRNWP meeting (dedicated sessions)
- Enable execution of the workplan (frequent email exchanges, generic email exist, informal meetings, research stays, projets, workshops, ...)

# ET on surface processes

- Increasing complexity of surface modelling and data assimilation at small scale => need to share expertise and research activities
- Promote an increase usage of data from European initiatives (EUMETSAT SAFs, EUMETNET OPERA, ...)
- Share specific datasets for surface modelling and physiographic databases (field experiments, national networks)

# Current achievements (1)

- Redaction of a workplan for 2008-2009
- Contribution to the annual EWGLAM/SRNWP meetings since 2008 (organisation of the session on surface processes and of a review talk)
- Documentation of the surface modelling and assimilation systems in each consortia (including ECMWF) – available on web page (but not updated since 2009)
- One ET working day since 2009 (Toulouse, Zürich, Reading) - minutes available on web page
- Contribution to the definition of surface field conversion for the SRNWP interoperability programme (2009)

# Current achievements (2)

- Promote the availability of in-situ observation datasets for the evaluation of land surface parametrizations :
  - Build up on COLOBOC project (COSMO consortium)
  - Letters sent by the SRNWP PM to NMS directors
  - COSMO provided manpower to collect data from various institutes, put them in a database with a common format and made them available to SRNWP members
- Financial support from ECMWF (2-years) to continue activities on the extension and improvement the global lake data base (E. Kourzeneva)
- Important role played by HIRLAM for the European coordination of activities around Flake : organisation of lake workshops (2008, 2010) within NETFAM/MUSCATEN