

Status of the EUMETNET C-SRNWP project

Balázs Szintai

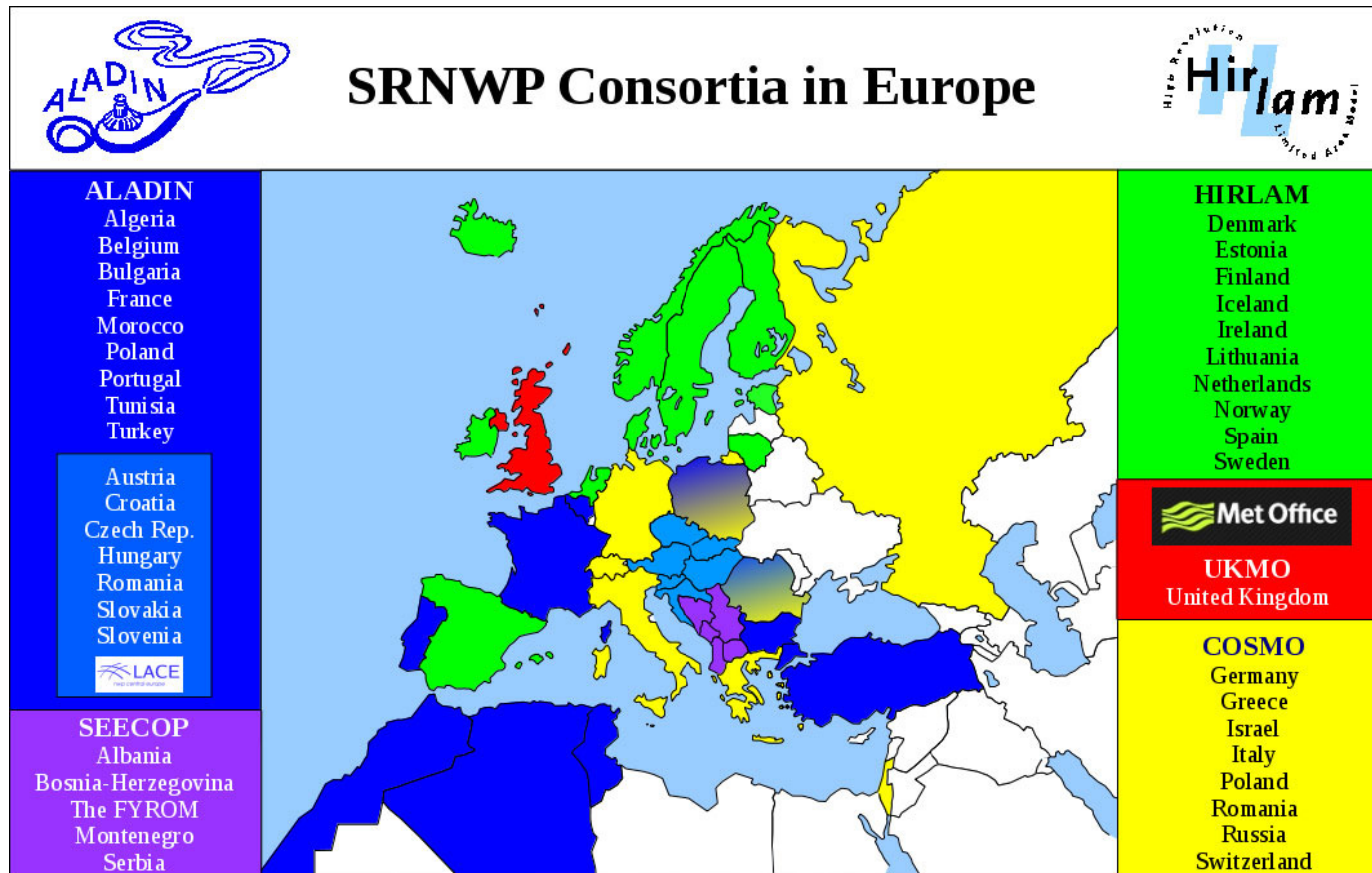
with inputs from experts of ALADIN, COSMO, HIRLAM, LACE, SEECOP, UKMO

Outline

- EUCOS support
- SRNWP data pool
- Global Lake Database
- SEECOP
- C-SRNWP Expert Teams
- Future of C-SRNWP

C-SRNWP Programme of EUMETNET

- Coordination of Short Range Numerical Weather Prediction in Europe
- 27 Member States
- Current phase: 2013-2018
- Yearly budget of 35.000 EUR (0.3 FTE + 5000 EUR travel)
- Coordinating Member: Hungary, OMSZ



C-SRNWP highlights

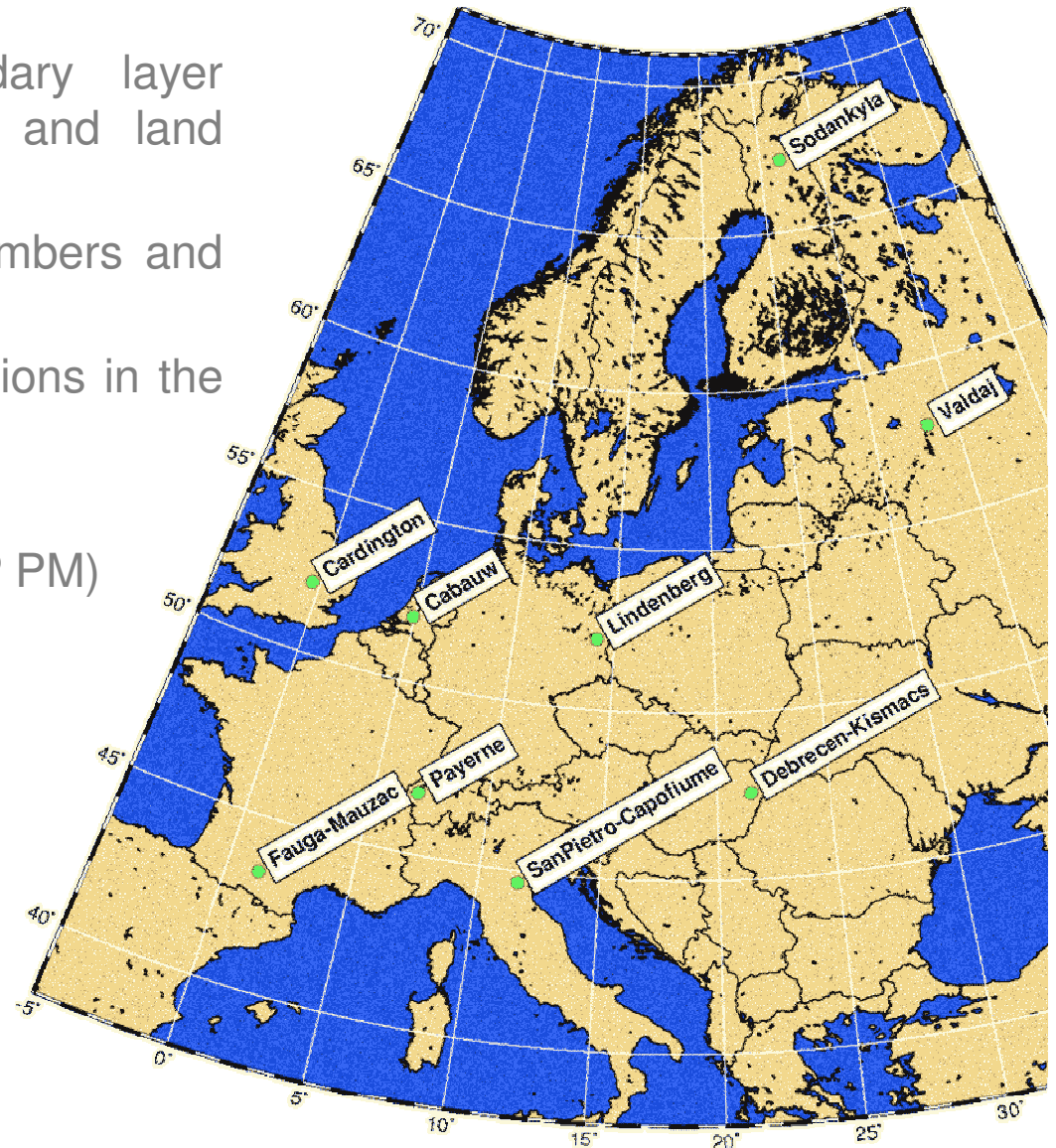
Observation network design (support EUCOS, Obs-SET)

- Collect DFS (Degrees of Freedom For Signal) and FSO (Forecast Sensitivity to Observations) observation impact indicators from the SRNWP community → this provides useful complementary information to Observing System Experiments
- The above is important in order to have an influence on the priority of EUCOS observation programmes/projects from an SRNWP perspective
- Obs-SET meeting: April 2017
 - In future: more involvement of the C-SRNWP PM in the definition of EUCOS impact studies → more focus on LAM aspects
 - Ideas and possible interest for Study-2 (optimal mix of obs.) collected and presented, BUT: priority of Study-2 was set to „low” later → perhaps in 2018
 - Currently ongoing: Study-6 (Mode-S vs. AMDAR)

C-SRNWP highlights

SRNWP data pool

- Database of surface and boundary layer observations → validation of PBL and land surface models
- Freely available for EUMETNET Members and collaborating universities
- Relatively low usage: 3 new registrations in the past year
- More advertisement would be needed
→ flyer (in preparation by C-SRNWP PM)



C-SRNWP highlights

Global Lake Database

- EUMETNET STAC, 30 March 2016:
 - Lake Database funding proposal presented by C-SRNWP PM
 - 8500 EUR/year (for maint. and devel.): included in the C-SRNWP budget
 - STAC agreed → details of funding by PFAC
 - PFAC: GLDB funding should be included in the Forecasting Programme Management budget (all countries represented)
 - 2017 maintenance cost transferred to FMI in February 2017
- October 2016: STAC agreed in principle that the IPR for the Global Lake Data Base resides with all organizations and individuals who contributed to the development of GLDB
- March 2017: STAC agreed to implement the Creative Commons license for GLDB

C-SRNWP highlights

SEECOP

- South East European Consortium for Operational weather Prediction
- 5 South East European countries: Albania, Bosnia-Herzegovina, Macedonia, Montenegro, Serbia
- Using NMMB (WRF) model
- Wanted to be recognised as new NWP consortium in Europe
- EUMETNET STAC, Nov 2015: recognized SEECOP as new NWP consortium → with list of recommendations from AET
- Second meeting of SEECOP experts: 27 June 2016, Bar, Montenegro (C-SRNWP PM also participated) → decisions on the organizational structure of SEECOP (Council, CET, WGs)
- Third meeting of SEECOP experts: 23 October 2017, Belgrade → C-SRMWP PM invited

C-SRNWP Expert Teams

8 C-SRNWP Expert Teams

- Data Assimilation (chair: Bruce Macpherson)
 - Diagnostics, validation and verification (chair: Clive Wilson)
 - **Dynamics and lateral boundary coupling**
 - Link with applications (chair: Jeanette Onvlee)
 - **Physical parameterisation (upper air)**
 - Predictability and EPS (chair: Chiara Marsigli)
 - Surface and soil processes (chair: Patrick Samuelsson)
 - **System aspects**
- In red: no ET chair; if interested, please contact Balazs Szintai

C-SRNWP highlights

Project website

- Model table
 - To be updated in October 2017
 - 59 deterministic LAMs
 - 12 LAM ensemble systems

srnwp.met.hu/C_SRNWP_project/Eumetnet_List.html

Thank you for your attention!

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