

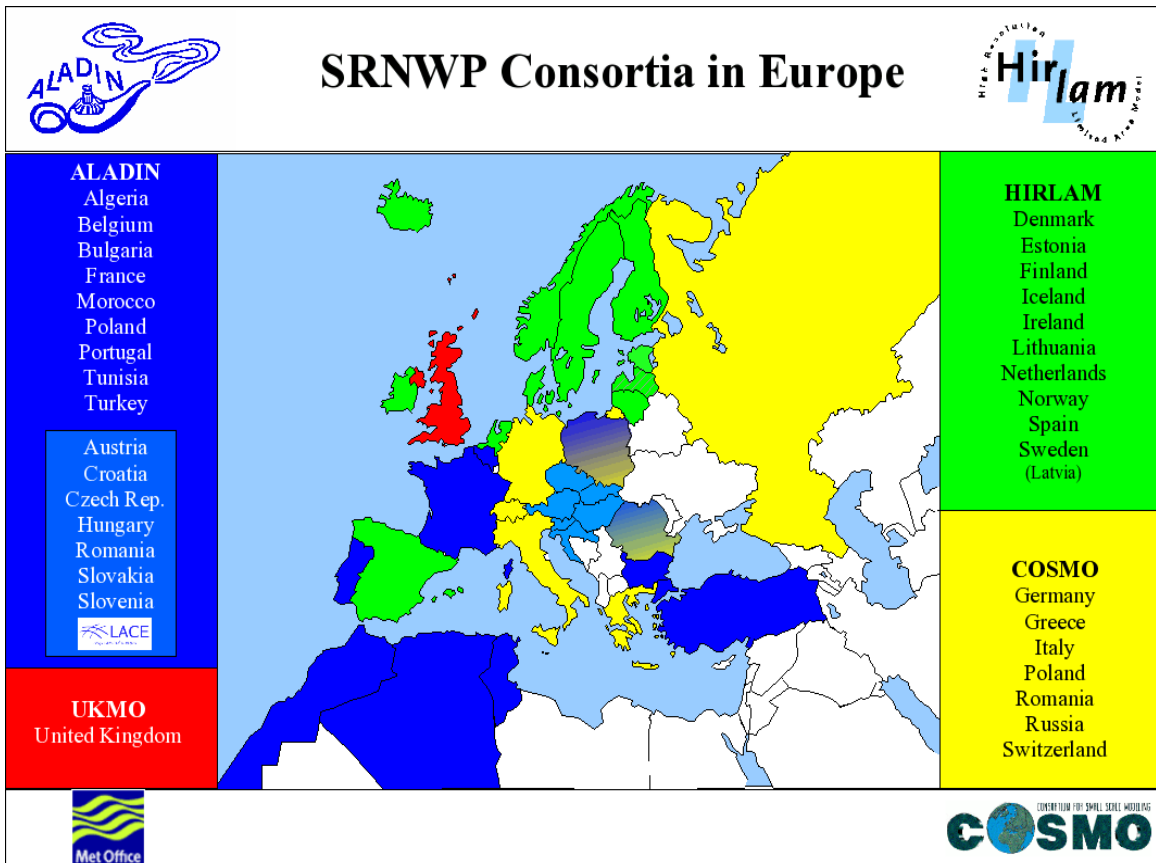
C-SRNWP and the new EUMETNET programme phase (2013-2017)

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C-SRNWP: Coordination on Short Range
Numerical Weather Prediction

HIRLAM-ALADIN workshop
7-10 May 2012

Introduction



- Coordination on short range NWP between 32 European meteorological institutions
- OMSZ is the actual Coordinating Member (till the end of 2012)

Main activities:

- Represent short-range NWP needs in front of other institutions/projects (e.g. ECMWF or EUMETNET observation programmes)
- Enhance cooperation on NWP: share resources in operations and stimulate competition on scientific development

Actual coordination activities

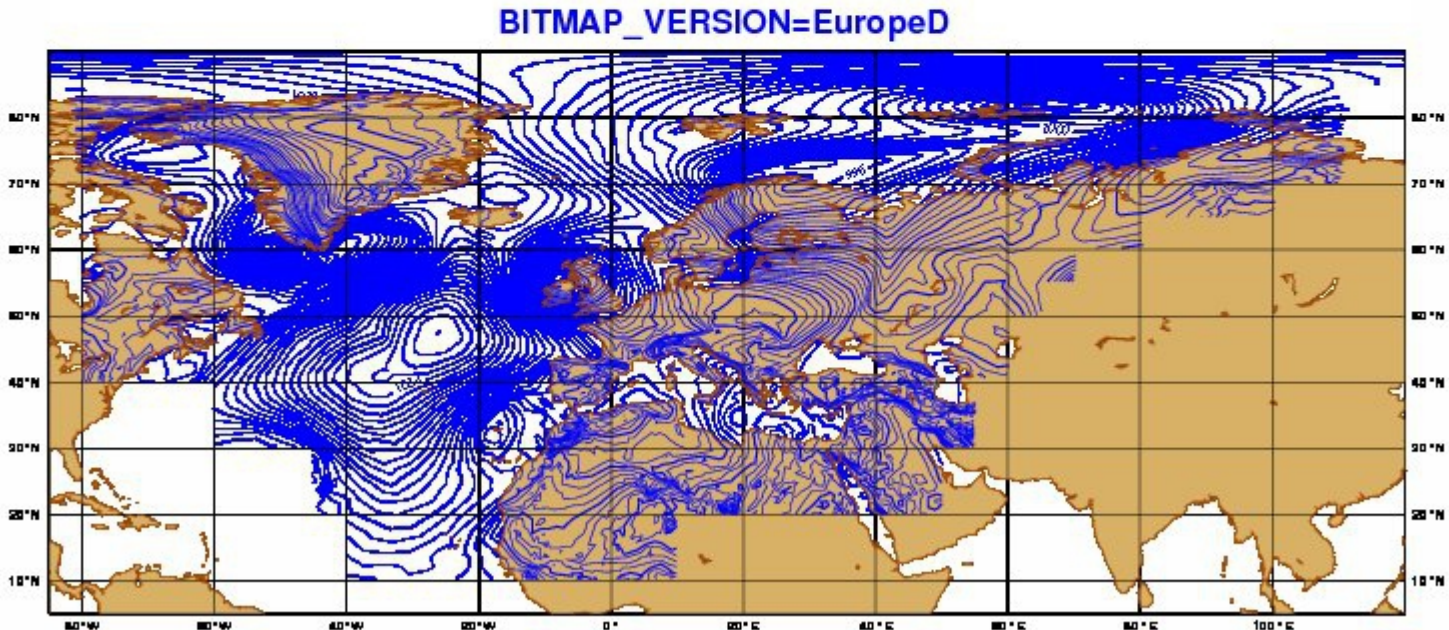
1) NWP requirements regarding OPERA products

- A related questionnaire was prepared by OPERA for NMSs → 19 NMSs answered
- The main outcome is that for SR NWP (assimilation) 3D volume (wind and reflectivity) data are required by all NMSs (which are received at Odyssey but not re-distributed at the moment) with an appropriate QC flagging (rain, no-rain, cluttered, etc.)
- Questionnaire outcomes taken into account when composing the OPERA project requirements for the next EUMETNET phase (2013-2017)
- ALADIN and HIRLAM provided proposals how to speed up and improve the volume data re-distribution (simple data policy, nominated transmission centers in each consortium, non-operational data service at the beginning, recommendation that NMSs include wind data and QC flags asap, SRNWP priorities for the next OPERA project)
- Feedback from OPERA: the NWP requirements were useful, recommendations for including wind data made by OPERA management through E-SAT (EUCOS Scientific Advisory Team), SRNWP priorities noticed

Actual coordination activities

2) ECMWF/IFS EPS LBCs to drive high resolution LAM EPS

- To drive future high resolution LAM EPS systems extra IFS EPS runs are anticipated by the SRNWP community from ECMWF on the top of the presently operational (higher resolution, 06 and 18 UTC runs)
- ECMWF developed an „economic archive” to store EPS model level fields only over Europe, North-Atlantic, North-Africa (covering all anticipated



Actual coordination activities

3) Surface data base coordinated by C-SRNWP (maintained by COSMO)

(<http://www.cosmo-model.org/srnwp/content/default.htm>)

- Data from Debrecen station enter the data base
- 5 new users (Croatia, Germany, Hungary, Russia, Sweden)

4) EWGLAM workshop (Helsinki, 8-11 October 2012)

- Invitations sent out by email to Directors, NWP/Forecasting heads
- Website under preparation
- Thanks to FMI and especially to Carl Fortelius

5) Near future coordination items:

- Assimilation of BUFR radiosond data (lat,lon,time information) → feedback to E-SAT
- High resolution AMDAR profiles to be tested if observation operators can cope with the higher vertical resolution
- AMDAR humidity OSHELover-AUS Under preparation by EUCOS

Some organizational matters

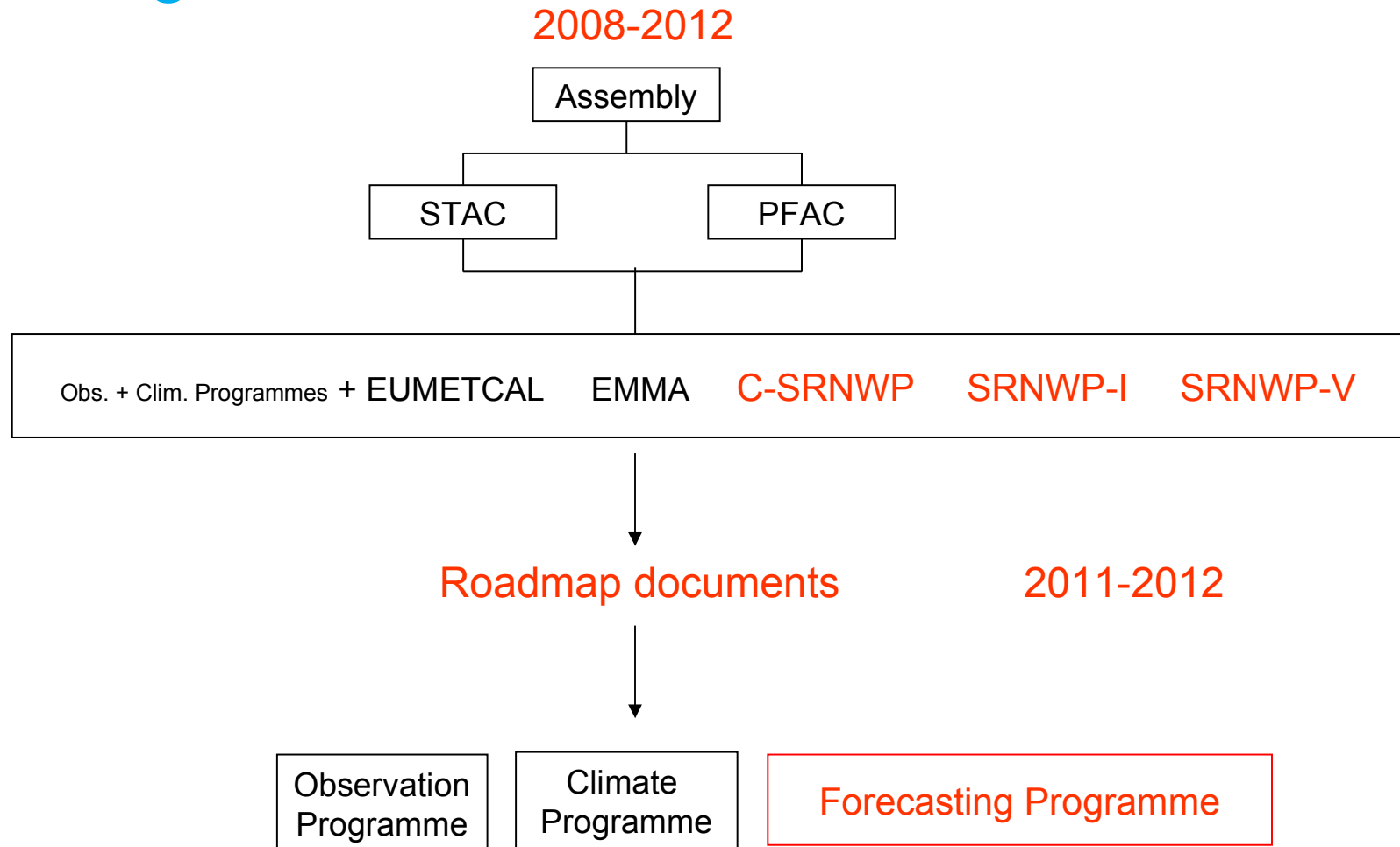
Expert Team issues

- There is no chair of the Expert Team for Physical Parametrizations → no candidate among ET members → candidates/proposals welcome
- From summer onwards no chair of the System Expert Team (Ulrich Schaettler will stop „chairing” during summer)
- SRNWP AC should be renamed as SRNWP Expert Team (according to the new rules of EUMETNET) → proposal: composition and ToR remains the same, only the name is to be changed

SRNWP website

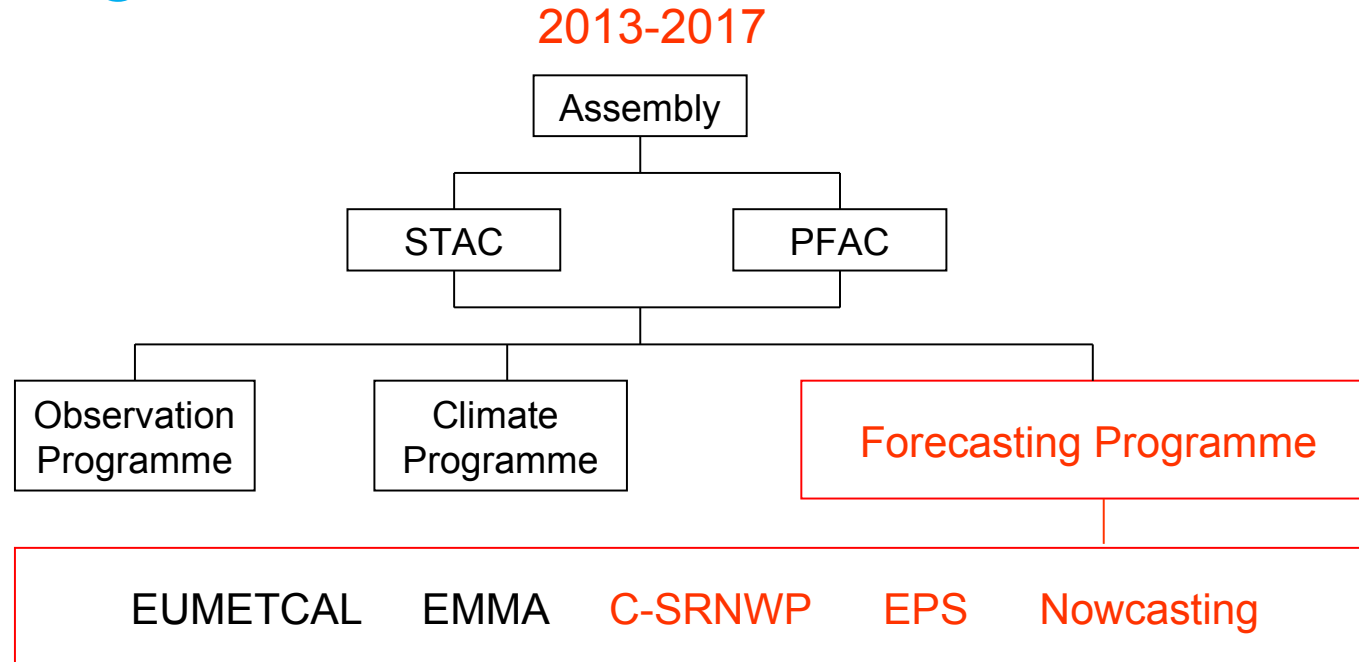
- SRNWP related events are welcome to be put to the srnwp website (through me)

Next EUMETNET phase: NWP related changes



HIRLAM-ALADIN workshop
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Next EUMETNET phase: NWP related changes



- Projects to be finished: SRNWP-I and SRNWP-V (end of 2012)
- New anticipated projects: EPS, Nowcasting

Next EUMETNET phase: NWP related changes

- Jan-March 2012: project requirements were composed the 3 NWP related projects: C-SRNWP, EPS, Nowcasting → a less pessimistic picture about future EUMETNET projects than at last EWGLAM
- End of March 2012: STAC/PFAC approved the Forecasting Programme requirements and sent it for approval to Assembly (May 2012) → this implies that the content of the C-SRNWP, EPS, Nowcasting projects were also approved by STAC/PFAC
- Feelings about the future (based on feedbacks from STAC/PFAC meetings):
 - Project requirements might be approved by Assembly,
 - The actual start of projects related to forecasting/NWP (EPS, Nowcasting, C-SRNWP) will depend whether interested participating members can afford the budget (some of the important NMSs are not interested in these projects)
 - the management structure will depend on incoming bids

Next EUMETNET phase: NWP related changes

Content of the anticipated NWP related projects:

- EPS project: 1.5 year feasibility project with the main goal of preparing a solid EPS project for the period of 2014-2017 (review and harmonize NMS scientific strategies for high-res EPS, identify overlaps in plans, prepare plans for reducing costs)
- Nowcasting activity: 1.5 year feasibility „activity” with the main goal of recruiting Nowcasting experts (create an ET) who prepare a solid Nowcasting project for 2014-2017 (identify exchangeable knowledge, organize timely observation exchange, etc.)
- C-SRNWP project: 5 year project coordinating SRNWP like since 2008

Next EUMETNET phase: the tendering process

- New Coordinating Members to be chosen for the management of projects during the new EUMETNET programme phase (2013-2017)
- If Assembly approves the Project requirements the tendering process starts in summer → bids of potential Coordinating Members to be sent till the end of August 2012
- Selection committee reviews proposals (mid September 2012)
- STAC/PFAC proposes projects and Coordinating Members based on the Selection Committee (October 2012)
- Assembly decides about the future projects (November 2012)
- Hand over existing projects (January-June 2013)

How to improve C-SRNWP?

My experience:

- Scientific plans are driven at national or at consortia level (not at EUMETNET level)
- → C-SRNWP is NOT for driving plans

How to use best this coordination programme?

- Identify subjects that are in the interest of (more or less) all NWP centers (consortia) in Europe
- Then these interests gain an official status, which we might use to put forward common plans.
- These interests then can be more efficiently represented in front of other EUMETNET programmes and other organizations outside EUMETNET
- ...?

Further questions:

- Which interests more we have in common?
- What do you all think about the above statements/questions?

The Souk: ... an example for very fascinating and efficient coordination work!

