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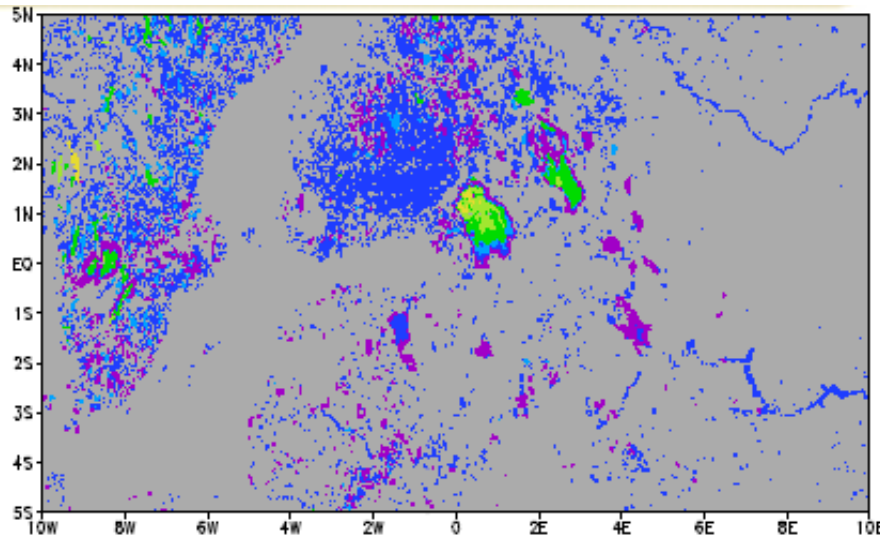
Transversal issues: EUMETNET, SRNWP, etc.

# SRNWP AC, 7/9/2010, Exeter

- Discussion of the draft forecasting goals:
- EUMETNET strategy:
  - New EUMETNET structure was presented and discussed: **Forecasting, climate, observations**.
  - identifications of the redaction committee **forecasting road map**: the program managers of the consortia.
- SRNWP Expert team issues:
  - DA: tighten the link with OPERA
  - Verification: workshop on 22-26 November
  - Dynamics: (i) scalability, (ii) there will be a workshop organised by ECMWF on boundary conditions.
  - Link with applications: definition of the scope the the ET was not well defined: proposal narrow it to interpretation of high impact meteorology
  - Physics: we need more intercomparison
  - EPS: focus on convective scale EPS
  - Surface: one of the most active ones: **lake databases!**, see other discussions during the GA
  - System: (i) interoperability, (ii) **follow on of SRNWP-I?** See next slides

# Flake: conclusion of the surface expert team in Exeter.

- ``High priority should be given on the maintenance and improvement of the lake database : financial support is needed from european consortia !



lake depth, m

# Interoperability ALADIN

- We have a prototype to convert from the general format (GRIB2) to “our own” format (FA).
- Still some left-over work to be done: ergonomics, Mercator, licensing (NEC).

# Interoperability: Exeter and Reading meetings

- Continuation of the SRNWP-I program (SRNWP-I will, for various reasons not be able to deliver all the deliverables that were put forth at the start)
- Follow on adaptors. Possible applications could be:
  - Research and development for ensemble prediction system:
  - Operational backup and also sharing of operations (but this is exactly what some directors seem to be afraid of; see the EUREPS Proposal)
  - Usage for verification and interpretation
- Possible follow-on projects for SRNWP-I could be:
  - Finish the left-overs (as: surface and soil aspects)
  - Consider construction of lateral boundary conditions for ensemble prediction system
- Responsible member (?) who will do it.
- Scalability: an additional program?

# Interoperability a work plan for ALADIN (courtesy Claude Fischer after discussion with the experts)

- A working week in Toulouse (target summer) + work at home
- Documentation:
  - The planned part of the documentation can be considered as complete and it was greatly appreciated at the meeting in Reading.
  - Some extra work is planned: (Mercator projection, externalizing the code from the model, TRACARE)
- Revisit the list of deliverables that would be used in the future
- Discuss about the future of SRNWP
- Web conf early summer.

# Questions for GA

- Discussion about the future of the SRNWP program (with the future structure of EUMETNET) within the Forecasting part.
- What will the future applications be?
- How should manpower be distributed:
  - SURFACE exchanges,
  - SESAR,
  - LAMEPS,
  - Shared operations
  - model intercomparison?

# ECMWF TAC subgroup to review BC project 23-24/09/2010: EPS LBCs

Option	
A. Operational resolution, operational ensemble size	<ul style="list-style-type: none"> <li>○ T<sub>L</sub>639, 62 levels</li> <li>○ 50+1 member</li> <li>○ forecast length 6 days</li> <li>○ runs at 06 and 18 UTC</li> <li>○ Cost of forecasts: <math>2 \times 51 \times 6 \times 150</math> SBU = 92,000 SBU per day</li> </ul>
B. Higher resolution, ½ operational ensemble size	<ul style="list-style-type: none"> <li>○ T<sub>L</sub>799, 62 levels</li> <li>○ 24+1 member</li> <li>○ forecast length 6 days</li> <li>○ runs at 06 and 18 UTC</li> <li>○ Cost of forecasts: <math>2 \times 25 \times 6 \times 370</math> SBU = 110,000 SBU per day</li> </ul>

*Table 1: options for the provision of LAMEPS-BC*

**No agreement on the options + too costly in terms of SBU**



# ECMWF TAC subgroup to review BC project 23-24/09/2010, recommendations:

- the **introduction of hourly BCs**;
- that the production of backup products by means of the full product generation process be discontinued;
- that the strong support for LAM EPS BCs be built upon by **continued dialogue between the SRNWP community and ECMWF**;
- taking into account fast moving developments in the LAM community, that a **BC users' workshop be held at ECMWF** within the next eighteen months and a technical review of the BC configuration take place within 2 to 3 years;

# What GA may consider:

- Take note:
  - SRNWP LAMEPS workshop in Bologna, 23-25/02/2010
  - ECMWF workshop will follow later later.
- In the mean time:
  - Activities on LAMEPS are quite dispersed (GLAMEPS, LAEF, HarmonEPS, AROME EPS, ...), coordination needed, see discussions in PAC7.