

OUTCOME OF “VISION ON FUTURE OF NWP IN EUROPE” SCOPING MEETING AND FOLLOW-UP

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BACKGROUND

- Document (“A vision for numerical weather prediction in Europe”) prepared by Met. Office for the EUMETNET Council (in 2005)
 - A vision for coordinated Europe
- NWP “scoping meeting”, 24th of November, 2005, Exeter
 - Basic ingredients of the “vision workshop”
- “NWP vision” workshop, 15-17 March, 2006, Reading

NWP VISION WORKSHOP: SUBJECTS

- Setting the scene
- Future expectations for NWP (users, EU)
- Infrastructure (HPC, observations, GRID technology)
- Interoperability (backups, data format, communications)
- Code cooperation (ALADIN-HIRLAM)
- European joint forecasting system (multi-model ensembles, targeted observations, decision making tools)
- Opportunities (harmonisation and collaboration)
- Affordability and data policy (EUMETNET as umbrella)

NWP VISION WORKSHOP: INTEROPERABILITY

- Common methodology for the provision of LBCs
- Common interface with post-processing
- More general use of ECMWF software tools
- Common approach to the framework for running NWP systems

NWP VISION WORKSHOP: IMPROVED FRAMEWORK FOR COLLABORATION

- Further develop the NWP vision through regular meetings
- Reorganization and strengthening of SRNWP (full project proposal until spring, 2007)

NWP VISION WORKSHOP: SOCIO-ECONOMIC IMPACT

- Better cooperation with academia and non-meteorological organizations
- Link to GMES and EU FP7 projects
- Collect experiences from experts already involved in socio-economic studies
- Project for model verification and user benefits
- Forum for distinguished customers

NWP VISION WORKSHOP: EUROPEAN INTERACTIVE MULTI-MODEL LAM

- Development of independent validation of existing multi-model systems
- Evaluation of the potential for multi-model ensembles
- Engagement in THORPEX discussions re specification of TIGGE-LAM (initiate the European LAM component of TIGGE)

NWP VISION WORKSHOP: ADAPTING TO THE ENHANCED NWP CAPABILITY

- Define NWP requirements for observations (EUCOS)

NWP VISION WORKSHOP: QUICK WINS

- Identification of common format for exchange of some products
- Creation of information hub for the organization of GRIB codes
- Draft programme proposal for the renewal of SRNWP to be discussed in the SRNWP meeting and to be submitted to EUMETNET Council at spring, 2007

WHAT NEXT?

- Recent SRNWP Programme is valid until the end of 2007
- Proposal for new SRNWP project
- Discussions during the EWGLAM/SRNWP meeting in autumn
- Proposal for the EUMETNET Council for spring, 2007

WHAT NEXT?

- In CSSI-HMG it was confirmed to go for a HIRLAM-ALADIN common proposal
- JFG is to prepare an outline (until Wednesday), which is to be re-discussed this week and then share the redaction work
- Proposal to be ready until the beginning of September and to be discussed at EWGLAM/SRNWP meeting in Zurich (October)