

Appendix 1 : Aladin-Arome special workshop, final resolution.

Considering the success of the Aladin cooperation both in terms of research and operational implementation;

Considering the worldwide academic research at the meso-gamma scale which has demonstrated the potential for predicting severe weather events;

Considering the other potential applications of operational NWP at the meso-gamma scale, often related to an improved description of the water cycle and the boundary layer;

Considering the requirement of all partners for a continuous and steady improvement of the forecasts at the meso-beta scale, as well as the preparation for the meso-gamma scale;

Considering the importance for NWSs of continuously improving civil security type warning for severe weather dependent events

Noting the feasibility study conducted by Meteo-France under the Arome pre-project;

Noting that this feasibility study has shown that the Aladin consortium has developed a non-hydrostatic kernel of world-class level;

Noting that the current Aladin MOU remains valid until end of October 2005;

Article 1

The participants of the Aladin-Arome special workshop task the Aladin community to prepare a strategic document aiming at preparing an "Aladin-2" whose ultimate goal is to implement operational NWP systems at the meso-gamma scale while maintaining the meso-beta operational capability at the state of the art level.

Article 2

This document should address:

mission specification

- target scientific objectives
- the user oriented vision of these objectives
- verification strategy (for both above aspects)
- optimal use of observational data

organisational aspects

- networking concept
- tool-box concept
- flexible transition toward operation leading to short term improvements
- maintenance, code management
- calendar aspects

scientific strategy

- key scientific issues
- international context on these issues
- positioning of the consortium with respect to these issues

feasibility

- scientific
- technical
- computer costs (including scenarios of operational implementation)
- manpower

Article 3

Jean-François Geleyn is tasked to coordinate the preparation of this document. A draft version will be available by summer 2003.