

ALADIN - Operational and R&D Activities in Poland

IMWIM – Cracow Branch
POLAND

May 2006



Current operational suite

- Domain - 2270 km x 2270 km
 - Grid size - 169 x 169 (without extension zone)
 - Levels - 31
 - Resolution - 13.5 km
 - Timestep - 600 sec.
 - Coupling - Arpege, 6h
 - Initialization - DFI
 - Post-processing - Full-Pos off-line
 - Resources - Origin 2800, 8/16 R14000 CPU's
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Current operational suite

- post-processing

- Primary domain - main operational purposes, 2270 km x 2270 km / 13.5 km
- Secondary domain - some dedicated products, 1200 km x 1200 km / 7.5 km
- Tertiary domain - some dedicated products, 27.0° x 17.0°
- DA domain - additional, on-demand tasks, 437 km x 437 km / 2.6 km

Future operational suite

- Domain - 2270 km x 2270 km
 - Grid size - 229 x 229 (without extension zone)
 - Levels - 46
 - Resolution - 10.0 km
 - Coupling - Arpege, 6h
 - Initialization - DFI
 - Resources - ALTIX 3700, 8 Itanium2 CPU's
 - Expected - summer / early autumn 2006
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Research and Development

- Fuzzy classifier of weather for visibility prediction
- Fog prediction with fuzzy CBR method
- Downscaling methods for hydrological purposes
- Verification

