



Instituto de Meteorologia

# Limited Area Modelling Activities in Portugal

Victor Prior & Maria Monteiro

([Maria.Monteiro@meteo.pt](mailto:Maria.Monteiro@meteo.pt))

([Victor.Prior@meteo.pt](mailto:Victor.Prior@meteo.pt))

30th EWGLAM & 15th SRNWP meetings



Instituto de Meteorologia

# Overview

- 1. Summary of main activity**
- 2. Short history of ALADIN/Portugal version**
- 3. New ALADIN/Portugal and AROME domains**
- 4. Other activities**
  - ✓ **4.1 Validation of ALADIN cycle 32T3**
  - ✓ **4.2 AROME training course**



Instituto de Meteorologia

# Main Activities

## **Main progress during last year:**

- **New HPC IBM p575 implementation**
- **Dell system as front-end device to the IBM machine and SMS software is used for batch jobs scheduling**

## **Main activities on NWP :**

- **Full upgrade of operational system (in progress)**
- **New geographical domain (Portuguese mainland and Atlantic areas)**
- **AROME**
- **Increase the colaboration with Universities**



Instituto de Meteorologia

# Foreseen Activities

- **New NWP operational system implementation**
- **AROME validation for three different domains:**
  - **Portuguese mainland, Madeira and Azores Islands**
- **Increase of the experience in LAM, in particular in data assimilation**
- **TIDB2 deployment and validation (to be continued)**