# Welcome to

Second Workshop on the USE OF GIS/OGC STANDARDS IN METEOROLOGY 23 > 25 NOV. 2009

METEOPOLE • TOULOUSE • FRANCE





**CECMWF** 

#### Welcome

- Workshop is organised jointly by
  - UK Met Office
  - Météo France
  - ECMWF
- Around 100 registered participants (excluding Météo France staff) from all over the world
- Many key players in the world of geo-sciences are present



## A first workshop

- Jointly organised by ECMWF, UK Met Office and Météo-France the first workshop on the use of GIS/OGC standards in meteorology was held at ECMWF in November 2008
  - Review the use of OGC standards in geo-sciences in Europe and worldwide
  - Promote collaboration between meteorological services in order to define a set of common standards that will enhance interoperability

• Statement :

Closer co-operation in the meteorological community will be necessary to achieve interoperability in the future



#### 1<sup>st</sup> workshop key actions

- Form an OGC Meteorological Domain Working Group with joint ownership from WMO and OGC
  - Created and enlarged to oceanography
- Create OGC-WMO 'Memorandum of Understanding' to cover meteo & hydro domain working groups
  - Under signature
- Drive a series of "interoperability experiments" starting with WMS with the goal of validating standards and best practices
  - List of volunteers

2nd Workshop on the use of GIS/OGC standards in meteorology



#### 1st workshop key actions - con't

- Define work required to ensure that the WMS standard can be used to best effect within the meteorological community
  - Work towards a WMS "met(ocean) profile" has started
  - List of issues to address has been identified
- Develop and maintain a small set of interoperable and reusable conceptual models
  - Brainstorming during OGC meeting
  - Roadmap to be defined

2nd Workshop on the use of GIS/OGC standards in meteorology



#### Goals of this second workshop

- Report on progress done
- Share experiences and better understand the current and planned use of OGC standard in meteorology and other communities
- Define a roadmap for boosting the collaboration between meteorological centres and adopting OGC standards in operational service
- Define projects between collaborators for the implementation of persistent test beds

40 presentations and 3 working groups (roadmap, conceptual modelling and services)

2nd Workshop on the use of GIS/OGC standards in meteorology



#### Working Group on Roadmap

- Define experiments to test interoperability in a multi-providers environment
- Propose a working method and a roadmap for coordinating activities of the different Groups dealing with geospatial information, improving the communication and sharing information
  - OGC DWG
  - WMO ET
  - INSPIRE
  - GEOSS
  - EUMETNET
  - ...



#### Working group on Conceptual Modelling

- Define the scope that has to be given to the model activity in order to get common underlying conceptual models and 'application schemas' consistent and unambiguous necessary for reaching interoperability with a range of OGC standards (WMS, WCS, GML, WFS ..)
- Propose a working method and a roadmap



## Working group on OGC Services

- Work towards a Web Map Service profile for Met Ocean products
  - Review issues that have been identified by the Met-Ocean Domain Working Group
  - Discuss and validate options proposed by the Met-Ocean Domain Working Group regarding the time issue
  - Discuss and suggest solutions for others issues
- The outcomes of this working group will be reported at the next DWG Met-Ocean session (OGC Technical Committee in Mountain View, CA, USA 7-10 December 2009)



Second Workshop on the USE OF GIS/OGC STANDARDS IN METEOROLOGY 23 > 25 NOV. 2009 METEOPOLE • TOULOUSE • FRANCE

# **Enjoy the Workshop !**



