



WIS status report for Italy

Doc. 73

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WIS FP for Italy

CNMCA

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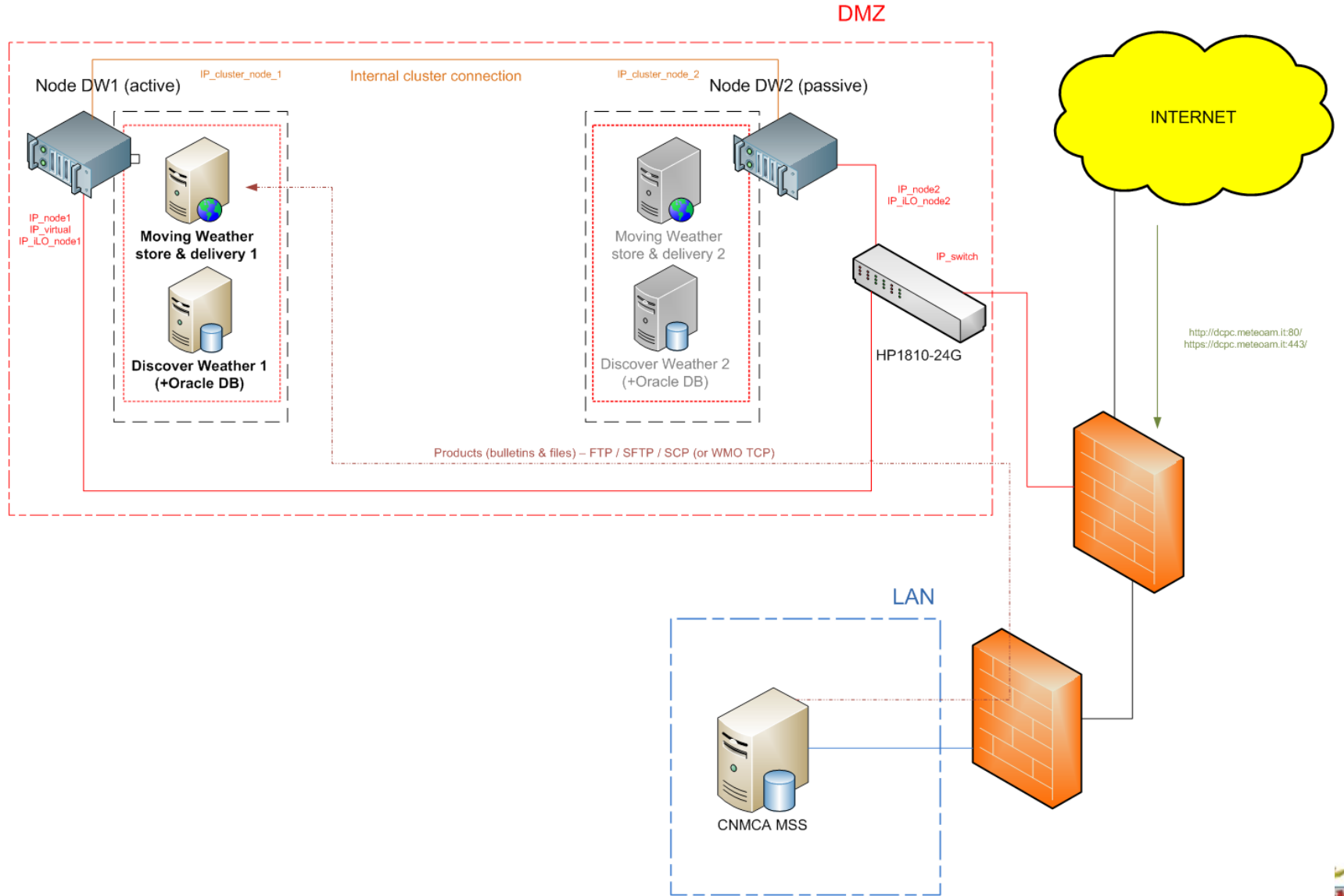


Summary

- WIS design at CNMCA
- Rome DCPC-RTH audit and certification
- WIS on-going activities at CNMCA
- DCPC-RSMC (RECMMO-Med) status



WIS ICT at CNMCA

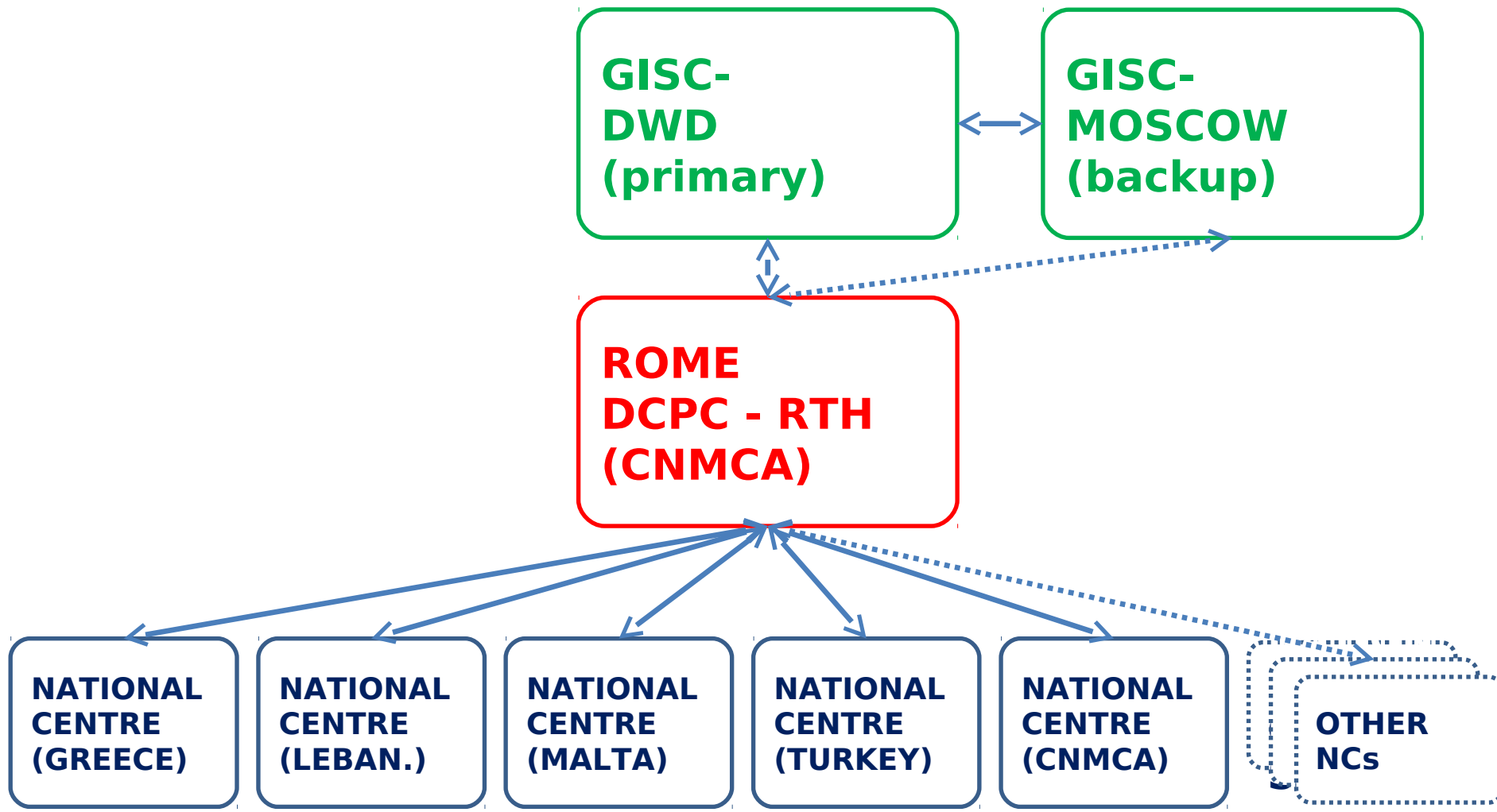


6th ET-WISC Meeting – Beijing, 15-18 July 2013






WIS ICT at CNMCA






WIS ICT at CNMCA



Discover Weather

WIS portal of Italian Air Force National Meteorological and Climatological Centre



You are logged in as: **AVOCINO** Log out

Data / Products

Search

Search by category

Search for experts

Product packages

SRU search

Search

Search in all fields

Searched text:

Accuracy: precise fuzzy

Search in specific fields

Title:

Abstract:

Keywords:

Provider:

Type of licence:

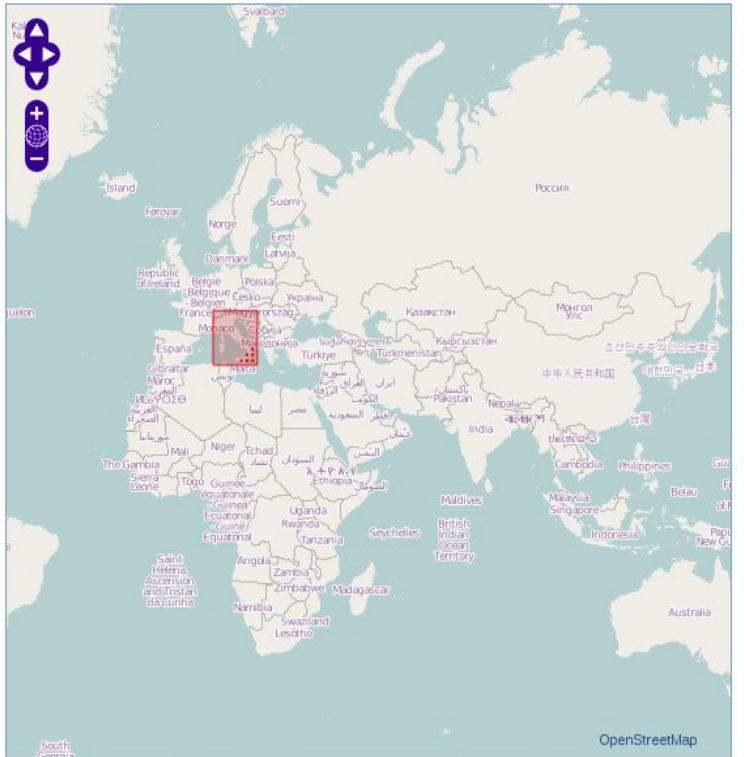
Beginning:

End:

Geographical coordinates:

Region:

Search top level products



OpenStreetMap





WIS ICT at CNMCA

SW environment:

- Discover Weather (v1.3.1, IBL-DWD) for portal, user role management, metadata catalogue, data distribution, etc.
- Moving Weather (v1.6.5, IBL) (Data Store and Delivery module only) for integration with CNMCA message switching system

HW system:

- HA cluster (2 HP ProLiant DL380e G8 servers)

SW evolution and support:

- maintenance contract signed with IBL (3years, 365/7/24)





Audit and certification

- in the beginning of May 2013, Rome DCPC-RTH has been successfully audited by WMO WISC-TT-CAC team.
- Based on WISC-TT-CAC audit final report, WMO EC-65 (Geneve, May 2013) endorsed the certification and Rome DCPC-RTH is now in operations.





WIS on-going activities

- catalogue and portal minor updates;
- addition of new classes of data (not GTS);
- improvement of integration with message switching system;
- staff and users training
- realization of the second DCPC (#98 as from WISC candidate list)





DCPC-RECMMO-Med



Italian Meteorological Service



Istituto Nazionale di Geofisica e Vulcanologia



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale



OGS - Istituto Nazionale
di Oceanografia e di Geofisica Sperimentale

**ESTABLISHMENT OF A REGIONAL CENTRE
SPECIALIZED FOR MARINE METEOROLOGY AND
OCEANOGRAPHY OVER MEDITERRANEAN SEA
(REC-MMO-MED) PLAYING THE ROLE OF WIS-DCPC**

CONCEPT DOCUMENT

Version Number: 7.0
Version Date: July 10 2013

[Insert appropriate disclaimer(s)]





DCPC-RECMMO-Med issues

- ICT system design (distributed/centralized);
- full compliance with ISO standards for MD management: (ISO 19115 and WMO Core Metadata Profile, ISO 19139 Geographic information Metadata XML schema, ISO 23950 for catalogue interoperability, etc.)
- synchronization based on PMH-OAI for MD, REST API for data access and retrieval, etc.
- data volumes and telecommunications...





CNMCA “numbers”

current scenario (i.e. not considering MMO data):

file switching (both external and internal users for ftp, web, etc.):

- 620000 files/day exchanged
- 162 Tbytes (whole data volume) /day exchanged

message switching (input from GTS only):

- 500000 messages/day received
- 3GBytes/day received

