

## Intergraph Compliance with INSPIRE

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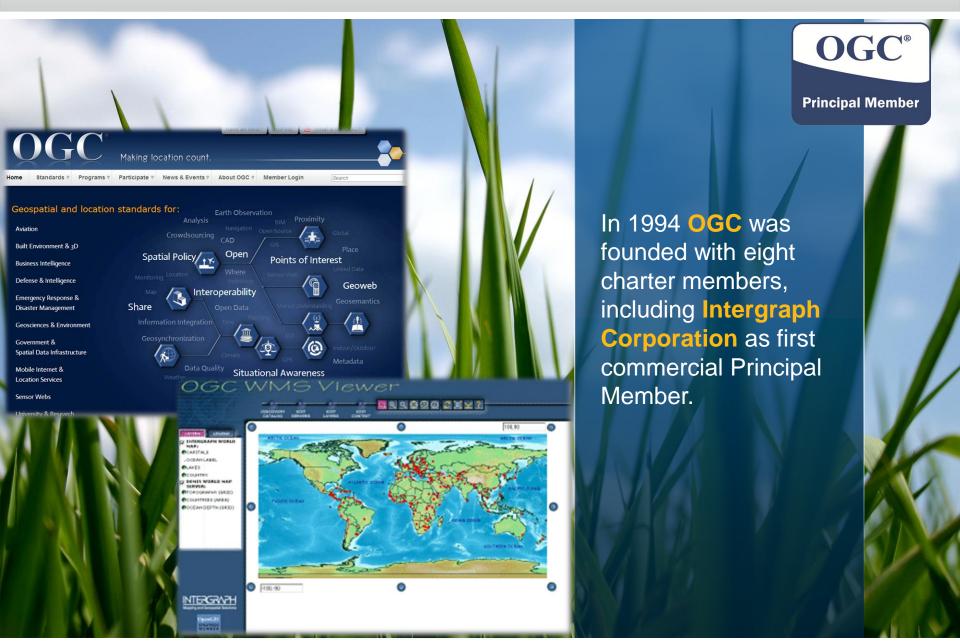


**SMARTER** DECISIONS













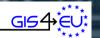
First "INSPIRE" meeting (in 2001, as E-ESDI) **BEGINING** 

**PARTICIPATION** Intergraph experts in Thematic Working Groups

**ADOPTION** The INSPIRE Directive entry in force (2007-05-15)

**DEVELOPMENT** Intergraph staff in Drafting Teams and SDIC's

Intergraph as technology provider in EU Projects





**ENGAGEMENT** 













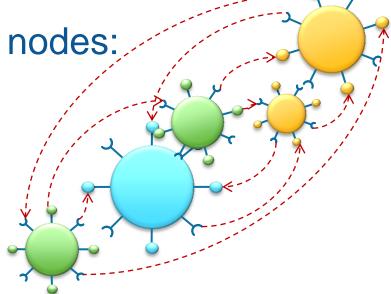
**SMARTER**DECISIONS



## SDI Concept

- "There is no delight in owning anything unshared"
  [Seneca, 4 BC AD 65]
- SDI are all about "exchange" and "sharing" and the out coming common benefits;

A network of interoperable nodes:





## SDI Implementation

 Interoperability requires SOA - Service Oriented Architectures, nevertheless, SDI are not just geospatial web services and geoportals.





## SDI Implementation





## SDI Implementation

- ISO and OGC general compliance:
  - Metadata: Standards, profiles and format;
  - Data: Exchange standards and comm. protocols.
- INSPIRE compliance further affects SDI comps:
  - People and organizations: Usage logic and patterns;
  - Infrastructures: Quality of service expectations;
  - Services: Implementing rules and technical guidance;
  - Standards: Requirements and specifications;
  - Geospatial data: Data models and harmonization.



### Intergraph compliant products

- SDI clients:
  - GeoMedia and ERDAS Imagine (desktop)
  - GeoMedia Smart Client (web; java client)
  - Geospatial Portal (web)

#### SDI servers:

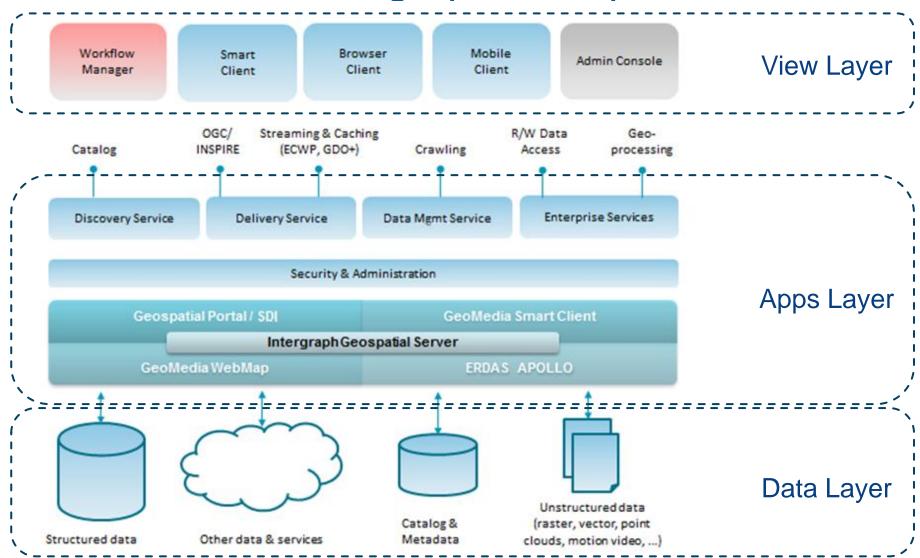


- Geospatial SDI
  - Extra SDI services and extensions for INSPIRE
  - Metadata management and INSPIRE profile
  - Services security and quality monitoring



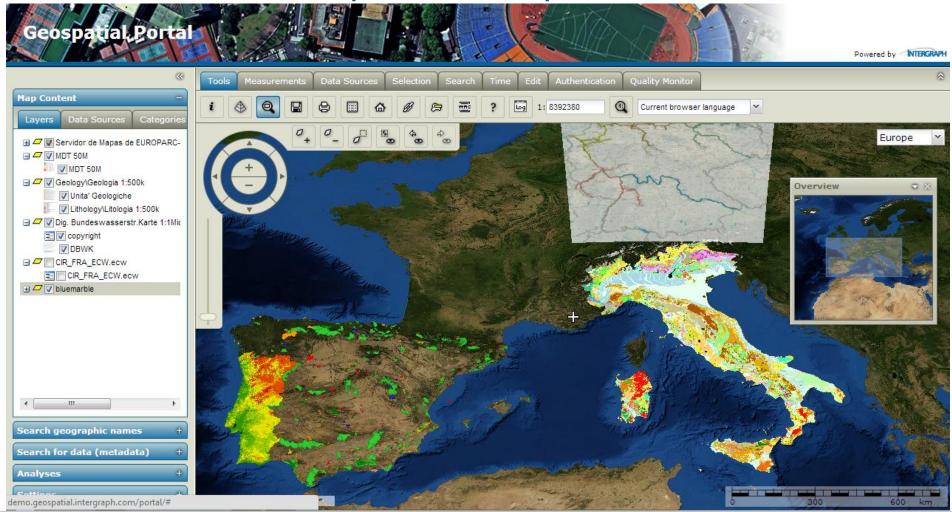


## Overview of Intergraph Geospatial Server





- Intergraph Geospatial Portal
  - INSPIRE compliant interoperable web client:





- Collaboration, support and guidance:
  - Guía técnica de recomendación del Consejo Directivo de la Infraestructura de Datos Espaciales de España

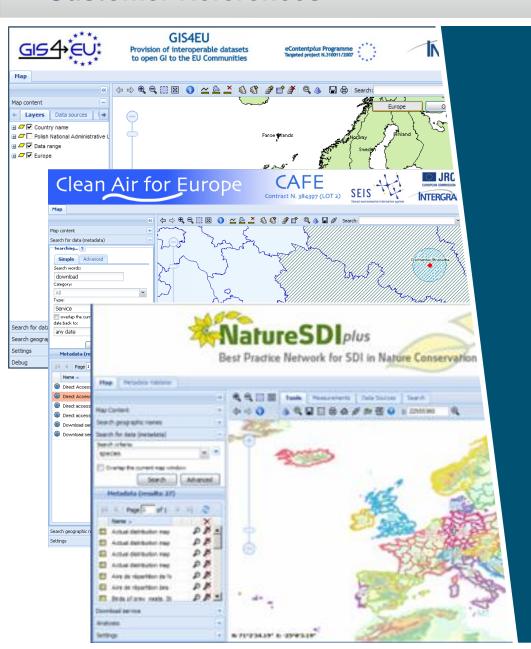


Generación de servicios de localización según el Perfil INSPIRE de ISO Metadata Application Profile for CSW 2.0 [CSW ISO AP] con tecnología Geoespacial SDI 2013 de Intergraph.



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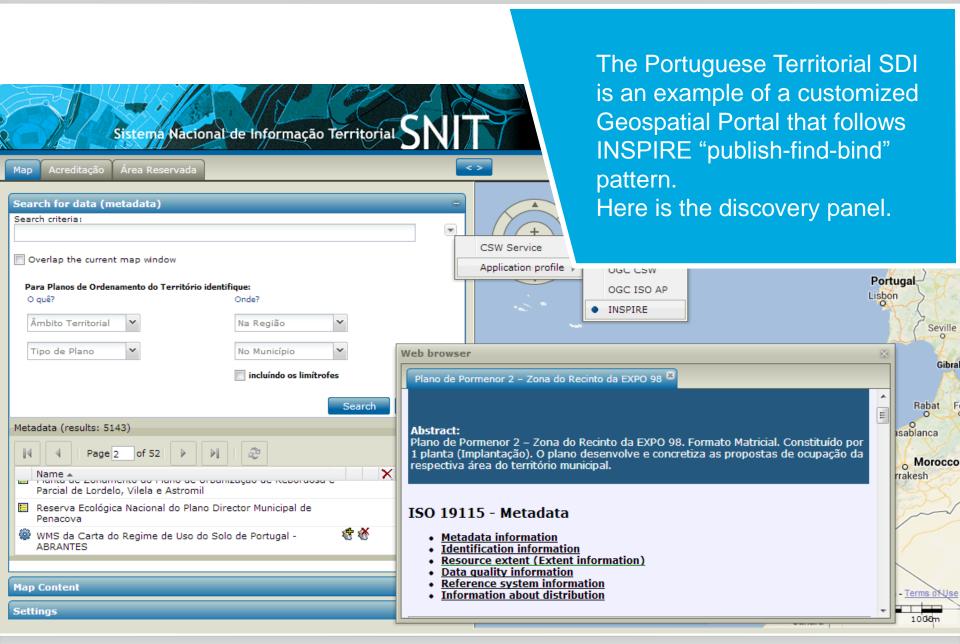




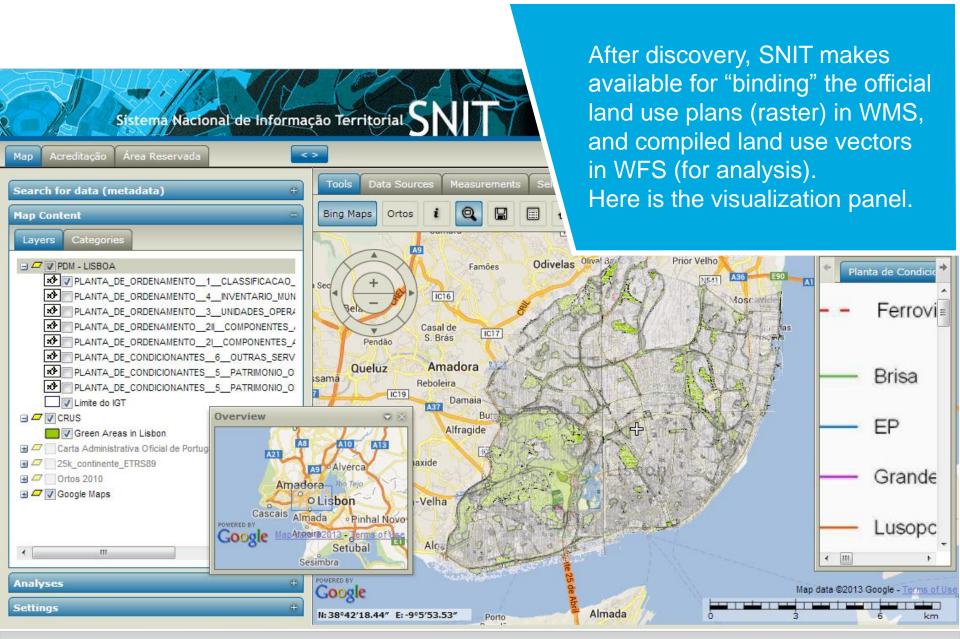
Intergraph participations on European projects was the test beds for INSPIRE implementation of:

- Data models, schema remodeling and harmonization;
- Metadata management and services;
- INSPIRE extended OWS for discovery, view and analysis/download;
- Experiencing geoportal needs, design and customization.





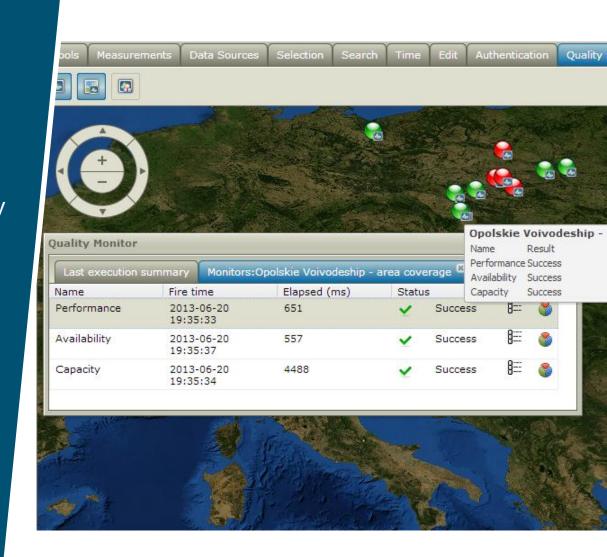






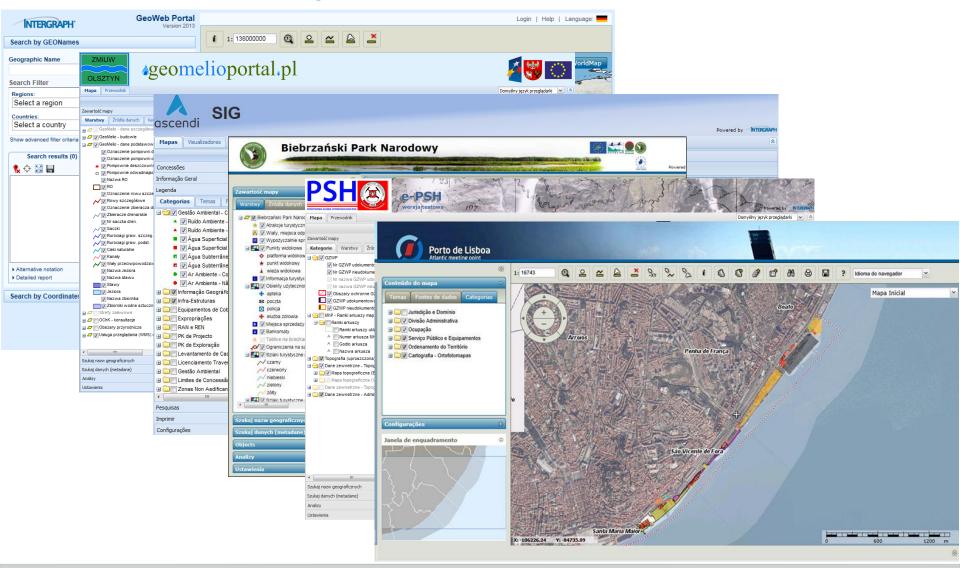
Any Geospatial Portal implementation have the possibility to make available to the user a set of tools to test and monitor the quality of the services running on the portal. The tests can be predefined by the administrators or ad-hoc configured by the user, using INSPIRE quality parameters. The results can be located on the map, visually informing on the QoS.

A results window can also be used for detailed, analytical and graphical analysis of the QoS tests results.



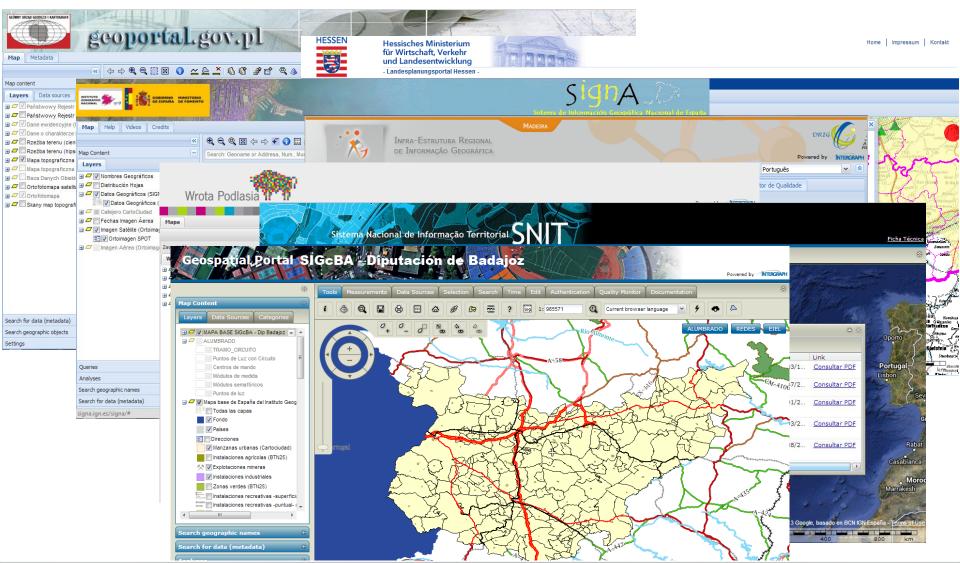


## Thematic implementations





## National and regional implementations





## Local and city solutions





## Questions?

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