

Clear Steps to INSPIRE Compliance while gaining real value too!

Compass Informatics

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What is the INSPIRE Directive

- A statutory instrument which is changing the way we Discover & View Spatial Data.
- Aim is to create EU-wide Spatial Data Infrastructure (SDI).
- Enable the sharing of Environmental Spatial Information among public sector organisations.



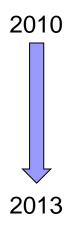
Why do we need to become INSPIRE compliant

The INSPIRE Directive has recently been transposed into Irish law - 03.2010

- Rationalise spatial data across Europe
- Harmonisation of spatial data from all over Europe
- Provide access to Spatial Data across Europe via efficient search mechanisms



What Data must become INSPIRE Compliant



Subject areas described in Annex I,II and III

- Annex I: e.g. boundaries, roads, railways, hydrography
- Annex II: e.g. elevation models, topography, orthophotos
- Annex III: e.g. buildings, geology, land use

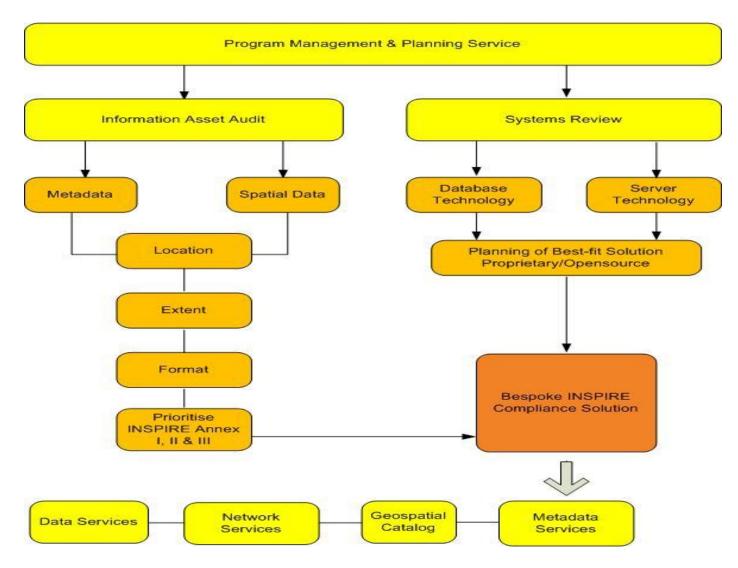


Components of INSPIRE Directive – Relevancy for your organisation

- Metadata (Discovery)
 - Web Catalogue Service (CSW) 11.2011
 - Metadata (Annex I, II) must be INSPIRE compliant by 12.2010
- Data (Viewing & Download)
 - Web Map Service (WMS) 11.2011
 - Web Feature Service (WFS) Late 2012
 - □ Data to be INSPIRE Compliant by 06.2012



Programme Management & Planning for Compliancy





Programme Management – Real Value Add to your Organisation

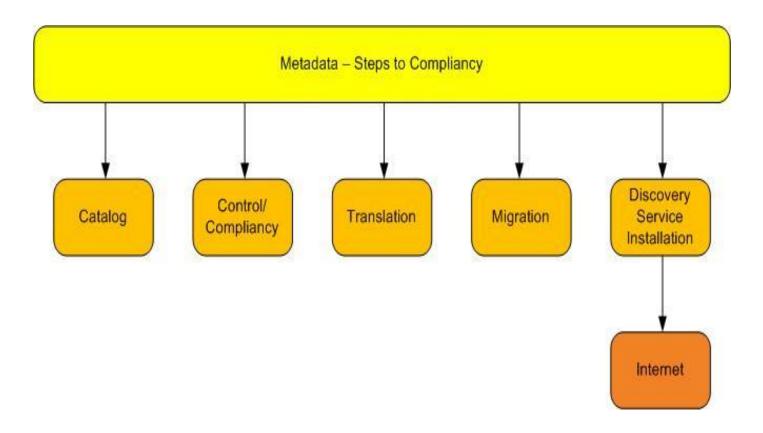
INSPIRE forces rationalisation and centralisation of metadata/data

The Advantages in addition to Compliance

- Fast & efficient access to information
- Auditability of data assets
- Optimised use of data infrastructure resources
- Harmonisation of data throughout organisation
- Optimum use of space

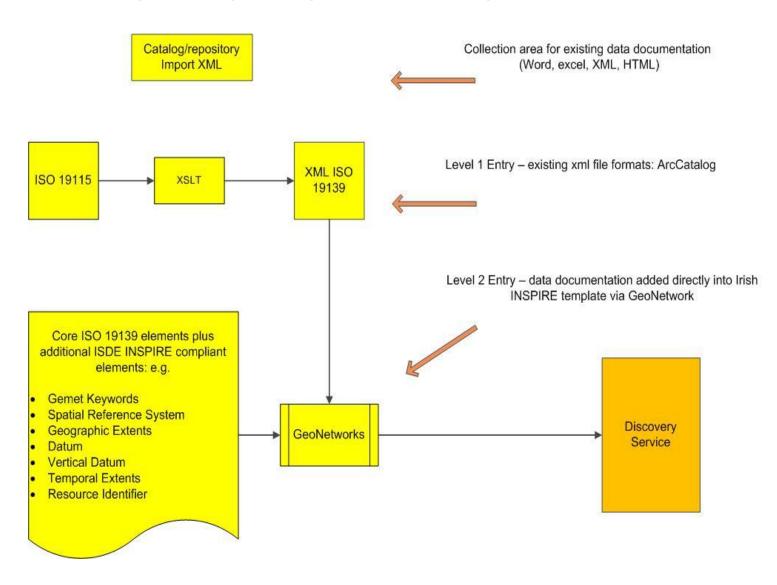
Metadata





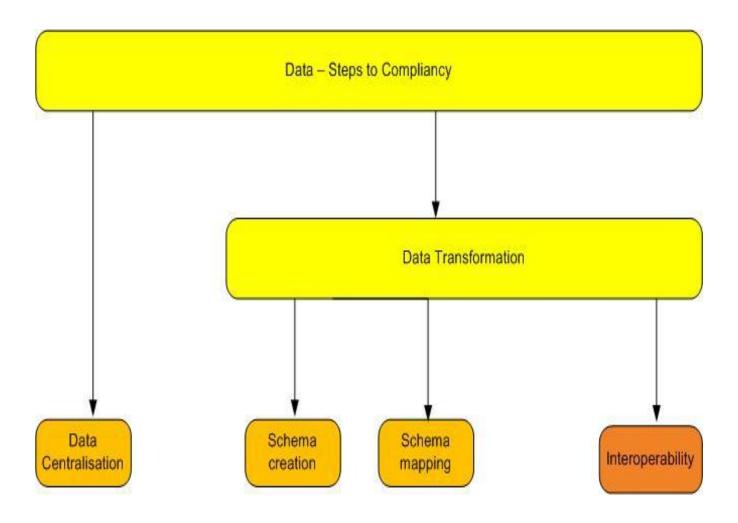


Dynamics of Change – Proprietary & Open Source Options



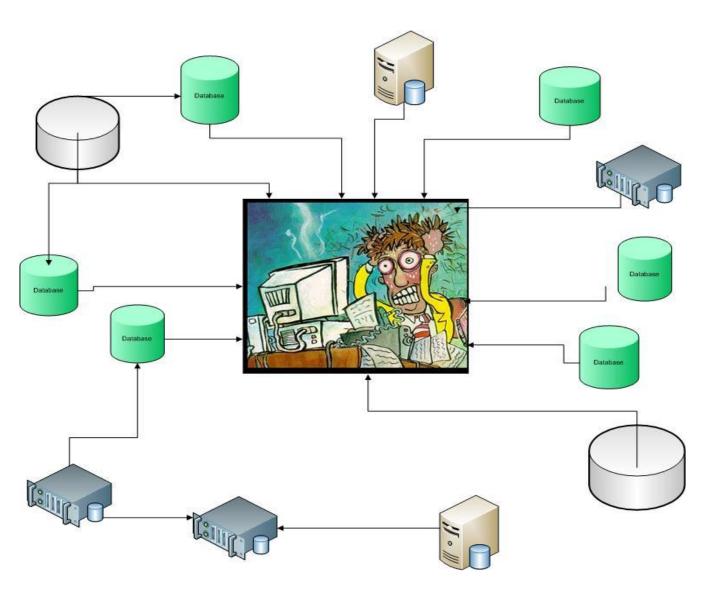
Data





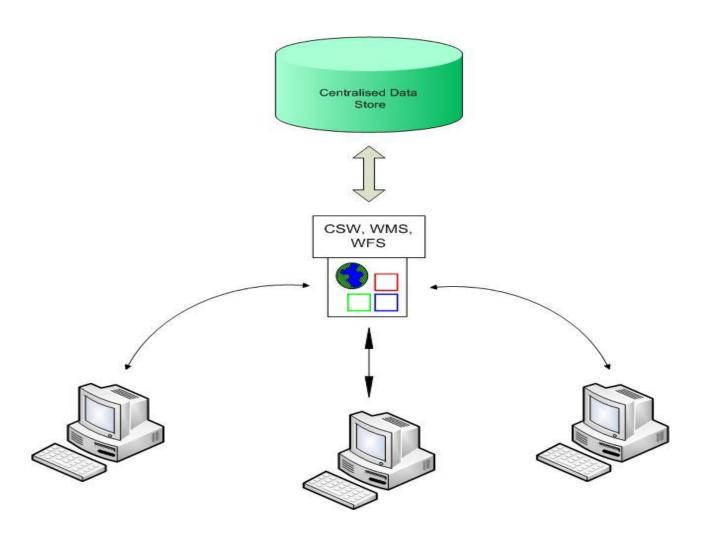
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Data Centralisation – The Reality!





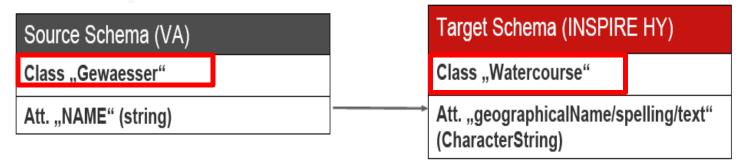
Data Centralisation – Advantages via INSPIRE Compliancy



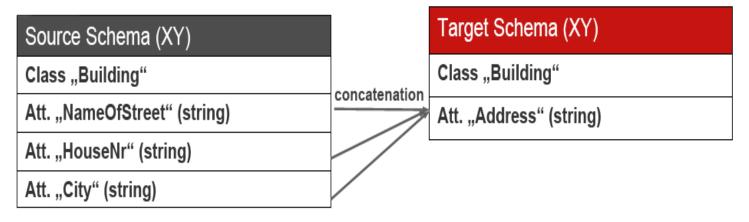


Data Transformation - Interoperability

Renaming feature class or attributes



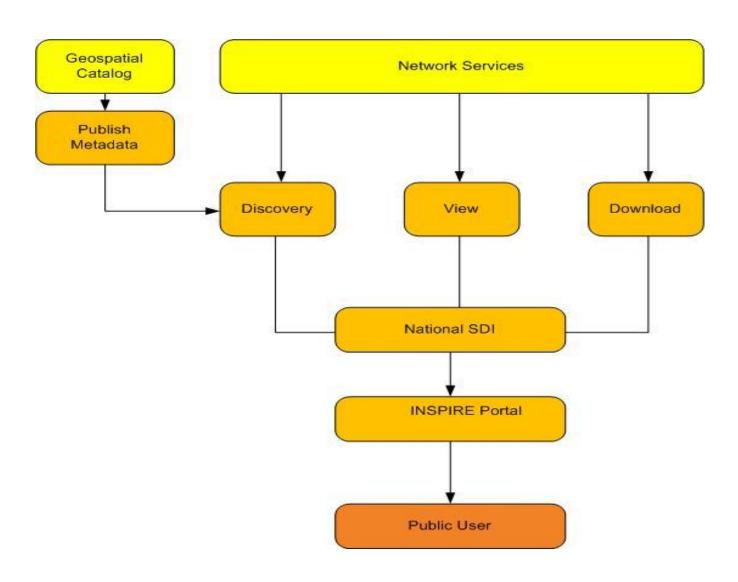
Merge/Split of features or attributes



Open Source HUMBOLDT - Hale Tool

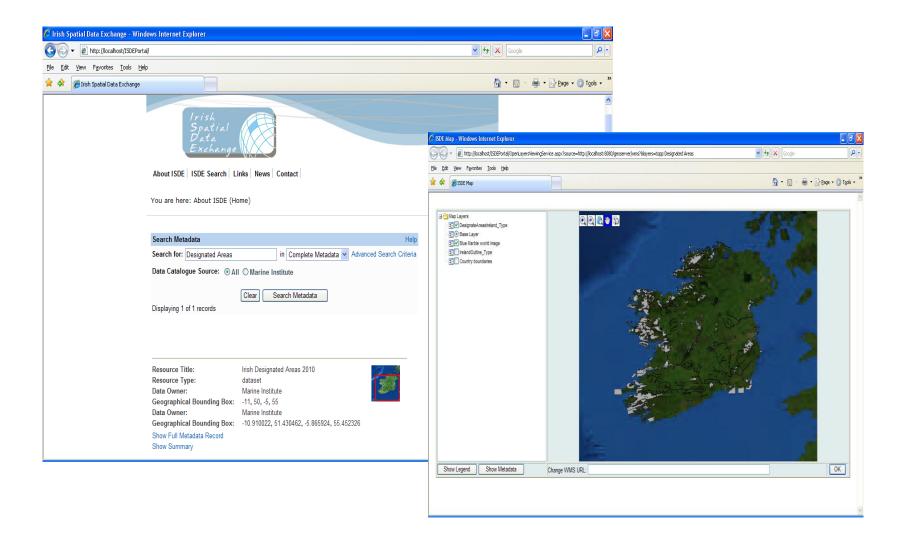


Bringing it all together – Network Services



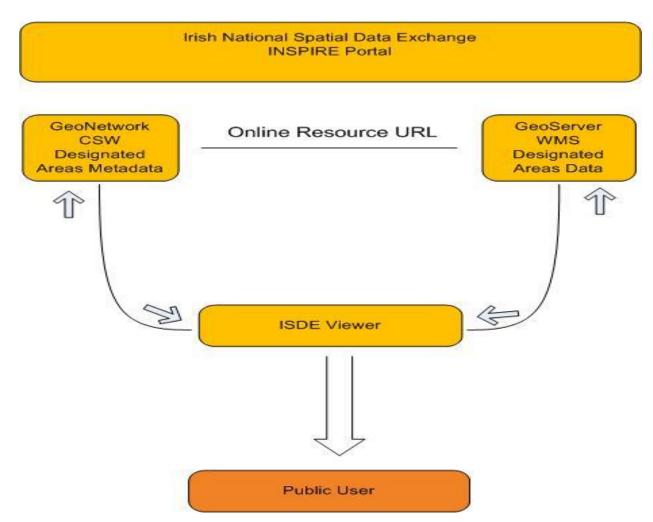


Irish Spatial Data Exchange





ISDE



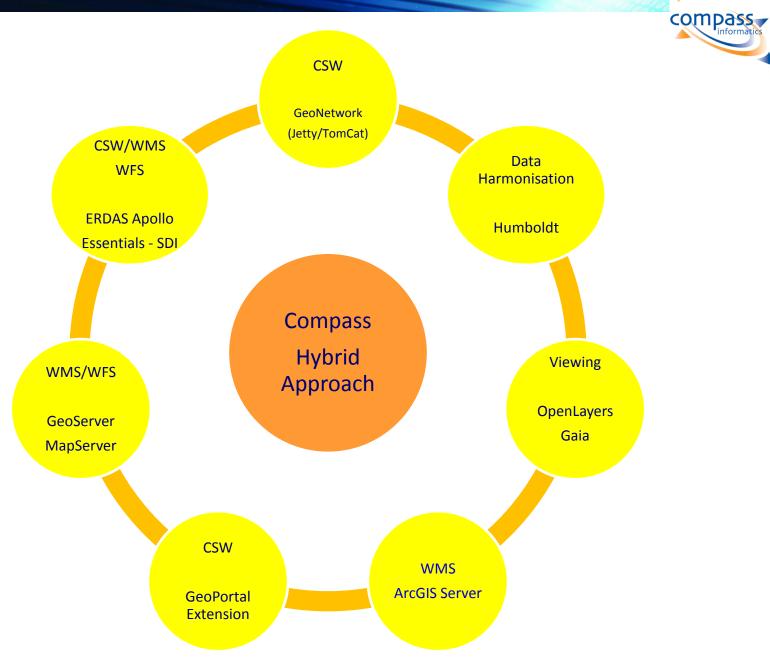


A Hybrid Approach for a Dynamic Solution

Compass Network Services Portfolio makes use of Open Source Technologies & GeoSpatial Web Services combined with Proprietary Software.

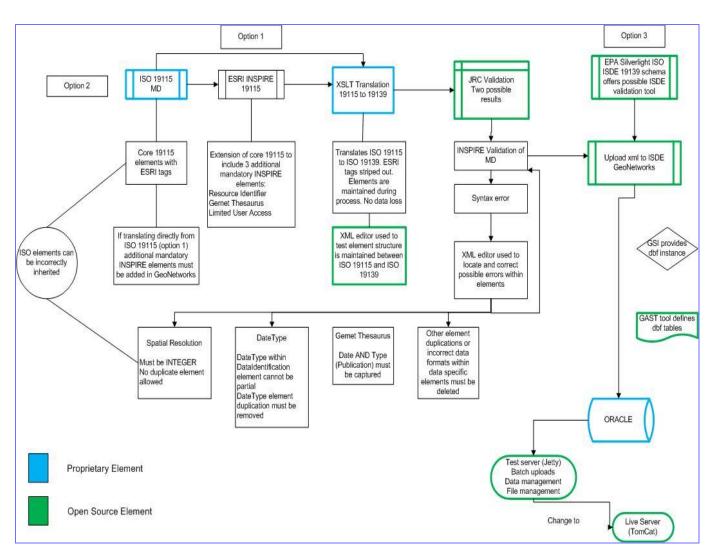
Operating systems/database systems (e.g. Microsoft Windows OS and SQL Server 2008)

- + Open source solutions (e.g. GeoNetwork, MapServer/GeoServer)
- + Proprietary Software
- = INSPIRE compliant solution



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Achieving INSPIRE compliancy – Geological Survey of Ireland





Added Value at European Level

'INSPIRE will unlock the potential of existing spatial data and spatial data infrastructures and gradually harmonise data and information services allowing integration of systems and datasets at different levels into a coherent spatial data infrastructure'

(INSPIRE Reference Data & Metadata Position Paper (2002))