

COMPASS12◀

Data Analysis : Information Discovery : Mapping Technologies

Annual Conference September 13th Dublin

Key note presentation - Applications &
business benefits - Technologies strand



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Update on INSPIRE

What to watch out for next!

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The INSPIRE Directive

- The data themes – a reminder
- The Implementation Roadmap
- Where is Ireland today (ISDI)?

The INSPIRE Data Themes

ANNEX I

1. **Coordinate reference systems**
2. **Geographical grid systems**
3. **Geographical names**
4. **Administrative units**
5. **Addresses**
6. **Cadastral parcels**
7. **Transport networks**
8. **Hydrography**
9. **Protected sites**

ANNEX II

1. **Elevation**
2. **Land cover**
3. **Orthoimagery**
4. **Geology**

The INSPIRE Data Themes

ANNEX III

- 1) **Statistical units**
- 2) **Buildings**
- 3) **Soil**
- 4) **Land use**
- 5) **Human health and safety**
- 6) **Utility and governmental services**
- 7) **Environmental monitoring facilities**
- 8) **Production and industrial facilities**
- 9) **Agricultural and aquaculture facilities**
- 10) **Population distribution/ demography**
- 11) **Area management / restriction / regulation zones**
- 12) **Natural risk zones**
- 13) **Atmospheric conditions**
- 14) **Meteorological geographical features**
- 15) **Oceanographic geographical features**
- 16) **Sea regions**
- 17) **Bio-geographical regions**
- 18) **Habitats and biotopes**
- 19) **Species distribution**
- 20) **Energy resources**
- 21) **Mineral resources**

INSPIRE Roadmap – The Past

15-May-2010	Implementation of provisions for monitoring and reporting . (<i>Ireland initial report submitted August 2011</i>)
03-Dec-2010	Metadata available for spatial data sets and services corresponding to Annex I and II (13 core themes).
09-May-2011	Provide the Discovery and View Services with initial operating capability (IOC).
30-Jun-2011	EC geo-portal at Community level to be ready.
19-Oct-2011	Implementation of Regulation 268/2910 as regards the access to spatial data sets and services by Community institutions and bodies under harmonised conditions for new arrangements (i.e. access & sharing Regulation).
09-Nov-2011	Discovery and View services to be fully operational .

INSPIRE Roadmap – The Present

28-Jun-2012	Download Services to be available, with initial operating capability (IOC).
28-Jun-2012	Transformation Services to be available, with initial operating capability (IOC) (i.e. schema translation from native dataset schema to INSPIRE compliant schema).*
23-Nov-2012	Implementation of Regulation 1089/2010 of 23 November 2010 ... as regards interoperability of spatial data sets and services for newly collected and extensively restructured Annex I spatial data sets (the ' data specifications ' Regulation for the 9 data themes in Annex I - 92 pages!)
28-Dec-2012	Download services to be fully operational.
28-Dec-2012	Transformation services to be fully operational.*

** Yet only the schemas (data definitions) for the 9 Annex I data themes have been published as of today – and the schemas for the remaining 25 themes will not be published in an official EC Regulation until mid-2013 at the earliest.*

INSPIRE Roadmap – The Near Future

04-Feb-2013	Implementation of Regulation 102/2011 of 4 February 2011 ... as regards interoperability of spatial data sets and services for newly collected and extensively restructured <u>Annex I</u> spatial data sets (added specific <u>code list requirements</u> to the original Regulation – 22 pages!)
19-Apr-2013	Implementation of Regulation 268/2910 as regards the <u>access</u> to spatial data sets and services by Community institutions and bodies under harmonised conditions for existing arrangements (i.e. for access & sharing arrangements that already existed in March 2010 when the Regulation was published).
03-Dec-2013	Metadata to be available for spatial data sets and services corresponding to <u>Annex III</u> (21 data themes).

INSPIRE Roadmap – The Far Future

October 2015	Newly collected and extensively restructured <u>Annex II and III</u> spatial data sets to be available.
23-Nov-2017	Implementation of Regulation 1089/2010 of 23 November 2010 as regards interoperability of spatial data sets and services for <u>other Annex I spatial data sets still in use</u> at the date of adoption. (the 92-page 'data specification' Regulation)
04-Feb-2018	Implementation of Regulation 102/2011 of 4 February 2011 ... as regards interoperability of spatial data sets and services for other Annex I spatial data sets <u>still in use</u> at the date of adoption. (the 22 page code lists Regulation)
October 2020	<u>Other</u> Annex II and III spatial data sets available in accordance with Implementing Rules for Annex II and III .

The Irish SDI Update

- Sample records from ISDE are now published on the EU INSPIRE Geoportal at: <http://inspire-geoportal.ec.europa.eu/discovery/>.
- Initially publishing INSPIRE Protected Sites data pilot (see report July 2012).
- ISDE Discovery Service tested with DG JRC and is compliant against the Networks Service regulation and the INSPIRE metadata regulation – but, “there is still a bit of work to do”.
- Prioritising metadata records for data sets that are on the Monitoring and Reporting List (2012 not ready yet).
- August 2011 report showed 28% of the ‘required’ metadata had been created (185 datasets out of 654 identified) and 22% was INSPIRE compliant.

The Irish SDI Update

- **Transitional INSPIRE Data Sharing Agreement is being rolled out to data providers as their data holdings are published on the INSPIRE Geoportal.**
- **INSPIRE compliant licences are being used.**
 - **Irish PSI Licence as equivalent to INSPIRE basic licence.**
 - **The INSPIRE Specific Licences used where IPR or other restricted access conditions exist.**
- **Implementation guidelines were published in July, 2011 – “Implementing the INSPIRE Directive regulations in public bodies” from DECLG.**

The Irish SDE Update

- **ISDE began life as a dataset discovery service/portal for five Irish institutions.**
- **As the INSPIRE Directive gained prominence, ISDE was seen as a pilot service for a national SDI discovery geoportal, as required by the Directive.**
- **Today, ISDE remains a discovery service, implementing CSW (Catalog Service for the Web).**
- **The final presentation in this session, by Oliver Castle, will give you a bit more technical information on how ISDE is developing and how the discovery service ties in to the EU-wide geoportal which is mandated by the Directive and maintained by the EC's DG Joint Research Centre.**

In Summary...

- Still quite a bit of work to do in ...
- Producing metadata for Annex I and II data themes (and associated services) – was due end-December 2010.
- Implementing Discovery and View services (were due November 2011).
- Download & Transformation services (IOC) were due June 2012
- ...to be fully operational by 28 December 2012.
- Implementing Annex I data specifications (9 themes, by 23 November 2012 & 4 February 2013).
- Annex III metadata (21 themes) to be ready by December 2013.

Thanks for your attention!

And if you are worried that your organisation may be a bit behind in implementing INSPIRE – don't worry – you join a large population of similar organisations across the whole of the EU!



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