INSPIRE and eGovernment policies: a common governance for a wider public sector information infrastructure
Articolazione degli uffici

Servizio Banche Dati e Open Data

Responsabile: Clasullo Gabriele

- Struttura organizzativa di appartenenza: AREA Architecture, standard e infrastrutture

1) Cura gli adempimenti dell'art. 59 del CAD;
2) Attua la direttiva INSPIRE per gli aspetti di competenza dell'Agenzia;
3) Cura gli adempimenti relativi alle basi di dati di interesse nazionale e l'attuazione delle previsioni relative alla fruizione delle banche dati come previsto dal CAD;
4) Cura gli adempimenti in carico all'Agenzia ai sensi dell'art. 52 del CAD, in materia di Open data;
5) Cura gli adempimenti e supporta la PA per l'attuazione dell'art. 24-quatier della legge 114/2014 in tema di comunicazione delle basi di dati delle PA;
6) Assicura la partecipazione ai gruppi di lavoro e ai progetti nazionali (ivi incluso la riprogettazione di dati.gov.it) ed europei nelle materie di competenza.

Contatti

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## EU needs and actions

<table>
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<tr>
<th>Reference document</th>
<th>Actions</th>
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</thead>
<tbody>
<tr>
<td>Commission report on the implementation of INSPIRE Directive COM(2016) 478 final/2</td>
<td>➔ Improve coordination between the national INSPIRE implementation and eGovernment, open data and other relevant processes at national level.</td>
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<td>INSPIRE MIWP2017-2020</td>
<td>The achievement of long term objectives and exploitation of synergies with complementary initiatives (e.g. eGovernment, Free Flow of Data, Cloud Initiative, Data for Policies…). Should be promoted.</td>
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<tr>
<td>EU eGovernment Action Plan 2016-2020 COM(2016) 179 final</td>
<td>The use of spatial data to support the development of new innovations that respond to societal needs such as improving the evidence based policy making and supporting the development of eGovernment processes .... ➔ Accelerate the deployment and take-up of the INSPIRE Directive data infrastructure.</td>
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<tr>
<td>New European Interoperability Framework COM(2017) 134 final</td>
<td>➔ Further support the implementation and enhancement of the INSPIRE Directive though the use of geospatial data in digital public services.</td>
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Strategic evolution model of the PA information system

Three-year Plan for ICT in Public Administration 2017 – 2019

**Italian framework**

**AREA**

**Open Data**

- Protocol for data management and Open Data, for the coordination of OT11 and OT2 interventions made under the Italian Partnership Agreement.

**Definition of the dynamic basket of key datasets**

**AREA**

**Reliable databases (base registers)**

- Feeding the National Catalogue for Spatial Data
  - Linking the Geodata Catalogue with the Open data portal

**Controlled Vocabulary**

- Harmonise and standardise reference codes in controlled vocabularies
  - Identify and define data models
The data strategy focuses on the adoption of “Protocol for data management and Open Data” defined for the coordination of specific (OT11 and OT2) interventions made under the Italian Partnership Agreement, including the following actions:

- Feeding the national Catalogue of the open data (dati.gov.it);
- Provision of metadata according to the DCAT-AP_IT profile;
- Using guidelines for enhancing public information assets*
- Definition of the dinamic basket of data sets to be opened**;
- Feeding the national Catalogue for spatial data, according to INSPIRE and national rules.

* The guidelines include requirements for the link of the National Catalogue for Spatial Data (RNDT.gov.it or geodati.gov.it) with the national Catalogue of open data (dati.gov.it)
** Including many spatial data sets at national and regional level.
In the context of the defined policies, AgID has been engaged to **improve the access to data and services**, including spatial one.

The approach includes **common rules at organizational and technical level** and **common data models**, facilitating cross-sector sharing of metadata, data and services.

To give an overview of that approach, two use cases will be illustrated:

- the new version of the catalogue for spatial data and its integration in PSI infrastructure
- the extensions to the INSPIRE data specifications for the implementation of another EU Directive.
SO FAR
Open spatial data documented both in the Catalogue for spatial data and in the Catalogue of open data. That implies:
- a **double burden** on PAs;
- **possible misalignments** between the metadata published in the two catalogues;
- data **not updated**.

WITH THE NEW APPROACH

**Legal / organisational interoperability**
Italian Public Administrations are required to document **spatial data**, that are also **open data**, through metadata **ONLY** in the Catalogue for spatial data (RNDT **rndt.gov.it**), according to the national rules on metadata (conformant to INSPIRE) → **ONCE ONLY PRINCIPLE**

**Technical / semantic interoperability**
RNDT will enable and provide access to spatial data also in the national open data catalogue (**dati.gov.it**) through **GeoDCAT-AP**.
The new RNDT

Main innovative features:
- new domain geodati.gov.it;
- **discovery** through the INSPIRE thematic cluster as search criterion;
- metadata available in several **formats**;
- source code available for **reuse**;
- Implement GeoDCAT-AP
- linked **Italian INSPIRE Registry**.

Next steps:
- new version of Italian guidelines on metadata conformant to the new INSPIRE TGs;
- editor, validator and visualization of metadata aligned to the new INSPIRE and Italian TGs.

A detailed presentation of the new RNDT at ESRI booth
INSPIRE Italia Registry provides a **central access point for a number of national registers**, both to meet INSPIRE's compliance with the publication of the code list extensions and for objectives identified and defined at the national level.

The beta version will be online at the end of September with the URL [http://www.registry-inspire.rndt.gov.it](http://www.registry-inspire.rndt.gov.it)
Use and extend INSPIRE data specifications in domains other than environment.

**SCOPE**

**Directive 2014/61/EU** on measures to reduce the cost of deploying high-speed electronic communications networks:

- coordinated **access to information on physical infrastructures** for public communications network providers;

- reuse of minimum information already collected by public sector bodies and available in electronic format pursuant to national initiatives as well as Union law, such as INSPIRE Directive.
INSPIRE data specifications on Utility and governmental services

SINFI Data model

Utility Networks Profile

Utility Networks layer

PELL Data Specifications

Italian specifications on Geo-Topographic Database

European Location Interoperability Solutions for e-Government (ELISE)
In the context of the defined framework, a particular attention is given to digital skills and competencies.

UNINFO, the Associated Body of the Italian organisation for standardisation (UNI) for Information Technology Standards, is defining a specification on the professional profiles related to geographic information, in the context of the European e-Competence Framework (A common European Framework for ICT Professionals in all industry sectors).

The proposed identified profiles are:

- GeoData Analyst (GDA)
- Geographic Information Manager (GIM)
- Geographic Information Officer (GIO)
- Geographic Information Technician / Specialist (GIT)
- Geographic Knowledge Enabler (GKE)
Thank you for the attention!

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