

**Università degli Studi di Salerno – Dipartimento di Informatica**  
**EUROGI Members Meeting**

**Geospatial & Digital Transformation key for  
Industrial Revolution 4.0 and Society**

**26<sup>th</sup> April 2018**

**State of play in Italy**

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# Italian e-government Strategy



Compliance with the European Digital Agenda (COM 2010 245 final), that is one of the seven pillars of the *Europe 2020 Strategy*

<http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52010DC0245&from=EN>

# The Role of AgID: Skills & Functions

<b>Coordination</b>	<b>Coordinating ICT for local, regional and central administrations</b>	<b>Digital Literacy</b>	Promoting and spreading <b>digital literacy initiatives</b> also through the deployment of ICT educational means
<b>Guidelines</b>	<b>Issuing technical rules, guidelines &amp; methodologies for ICT</b> , always taking into account <b>accessibility and inclusion principles</b>	<b>Innovation &amp; Research</b>	Implementing <b>strategic projects in the field of innovation and research</b> in compliance with the Italian and European Digital Agendas
<b>Standardisation</b>	<b>Improving quality and usability</b> of Public ICT systems for Citizens and Private Companies, providing <b>compliance with national and European standards</b>	<b>Strategic Planning</b>	<b>Drafting the Three-Year Plan</b> as the national digital strategy <b>together with the PAs involved</b>
<b>Monitoring</b>	<b>Monitoring the digital growth and the efficiency of ICT expenditures</b> through the cooperation with other public bodies	<b>Access to Digital Services</b>	<b>Promoting use of technologies and online services</b> in order to assure the <b>digital growth</b>

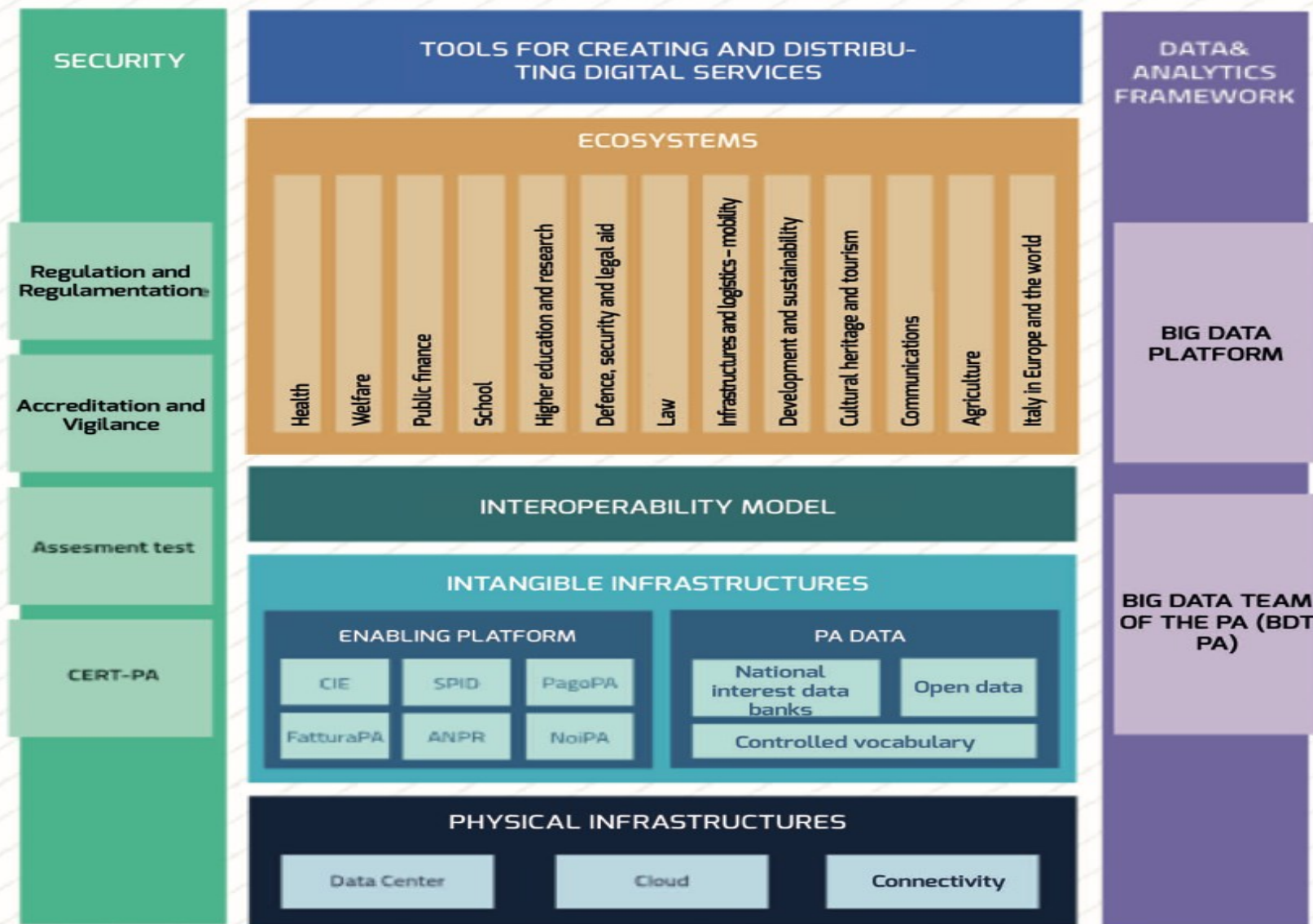
# AgID's main actions

**Italian Digital Agenda** integration and implementation ...

...according to the milestones of the **European Digital Agenda** ...

...through a **Strategic ICT Model of Public Administration** based on integration and interoperability and released in a **Three-Year Plan for ICT**

- **INSPIRE Directive**
- **Digital Single Market Strategy**
- **e-Government Action Plan**
- **e-IDAS Regulation**
- **New Data Protection Reg.**
- **Network and Information Systems Directive**
- **Other directives and regulations:**
  - **Geo-blocking reduction**
  - **Accessibility act**
  - **Digitisation of industries**
  - **Free Flow of Data**
  - **Single Digital Gateway**
  - ...

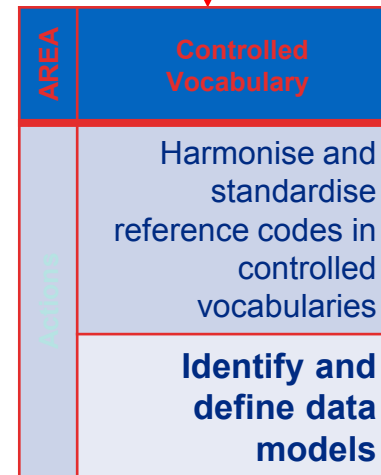
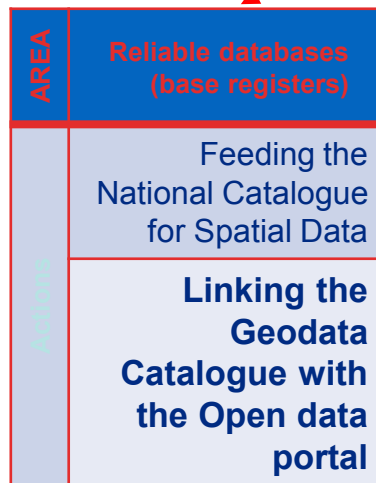
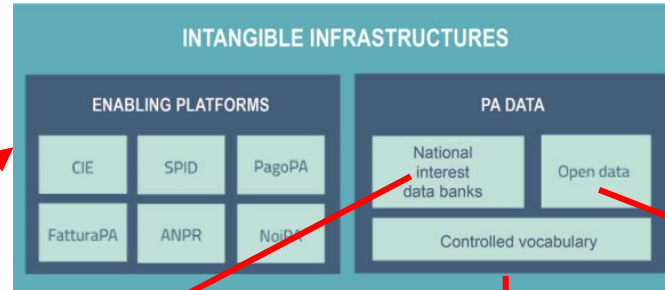
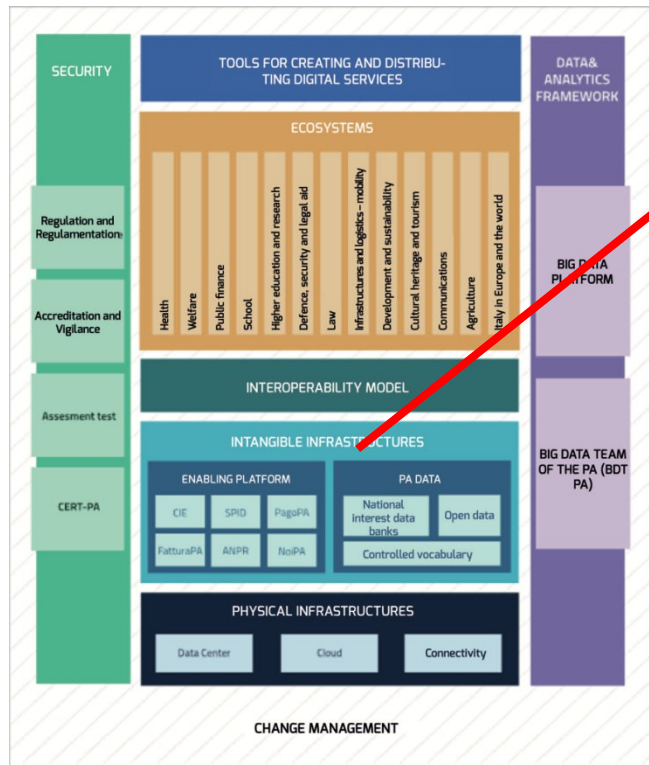


**Digital transformation  
strategic model in the  
Three-year Plan for ICT**

# GeoSpatial Data Italian framework



## Strategic model of the PA information system Three-year Plan for ICT in Public Administration 2017 – 2019



# Data policy



The data strategy focuses on the adoption of a “**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](http://dati.gov.it))
- Provision of metadata according to the DCAT-AP\_IT profile
- Using **guidelines for enhancing public information assets\***
- Definition of the **dynamic 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](http://RNDT.gov.it) or [geodati.gov.it](http://geodati.gov.it)) with the national Catalogue of open data ([dati.gov.it](http://dati.gov.it))

\*\* Including many spatial data sets at national and regional level

# The approach



In the topic, AgID has been engaged to **improve the access to data and services**, including the spatial ones

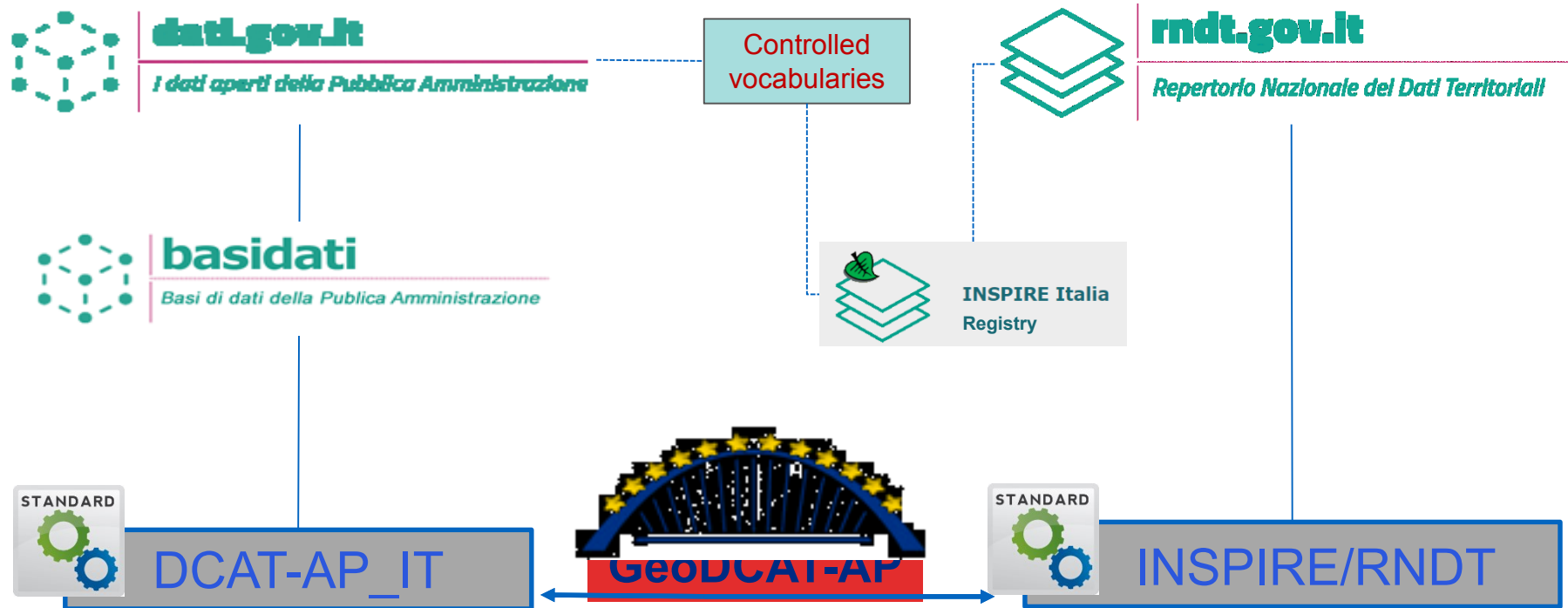
The approach includes **common rules at organisational and technical level** and **common data models**, facilitating cross-sector sharing of metadata, data and services

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

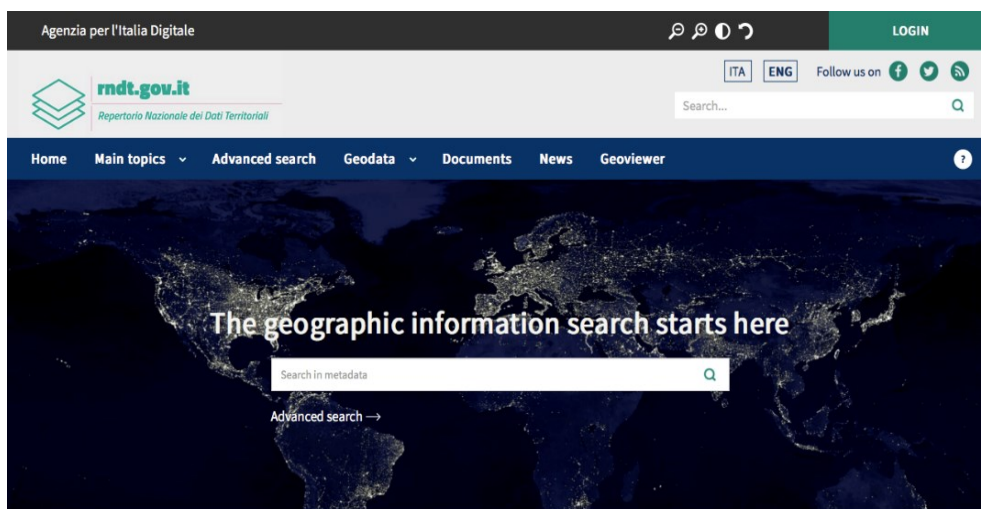
- the new version of the catalogue for spatial data and its integration in PSI – Public Sector Information infrastructure
- the extensions to the INSPIRE data specifications for the implementation of that EU Directive



# PSI Infrastructure / Catalogues



# The new RNDT



## Next steps:

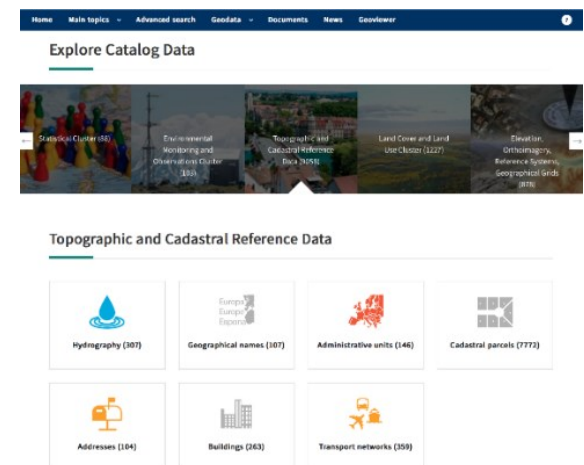


new version of Italian guidelines on metadata compliant with the new INSPIRE TGs

- editor, validator and visualisation of metadata aligned to the new INSPIRE and Italian TGs

## 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**

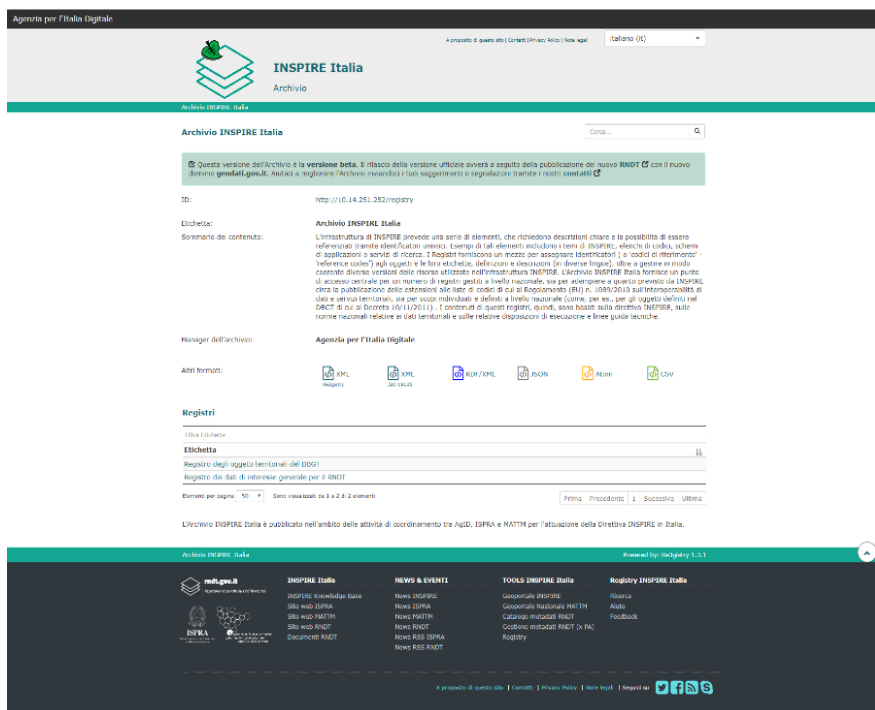


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# The Italian Registry



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



## Re3gistry (ISA<sup>2</sup> solution)



ARE<sup>3</sup>NA



**European Location Interoperability Solutions for e-Government (ELISE)**

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# GI eCompetencies



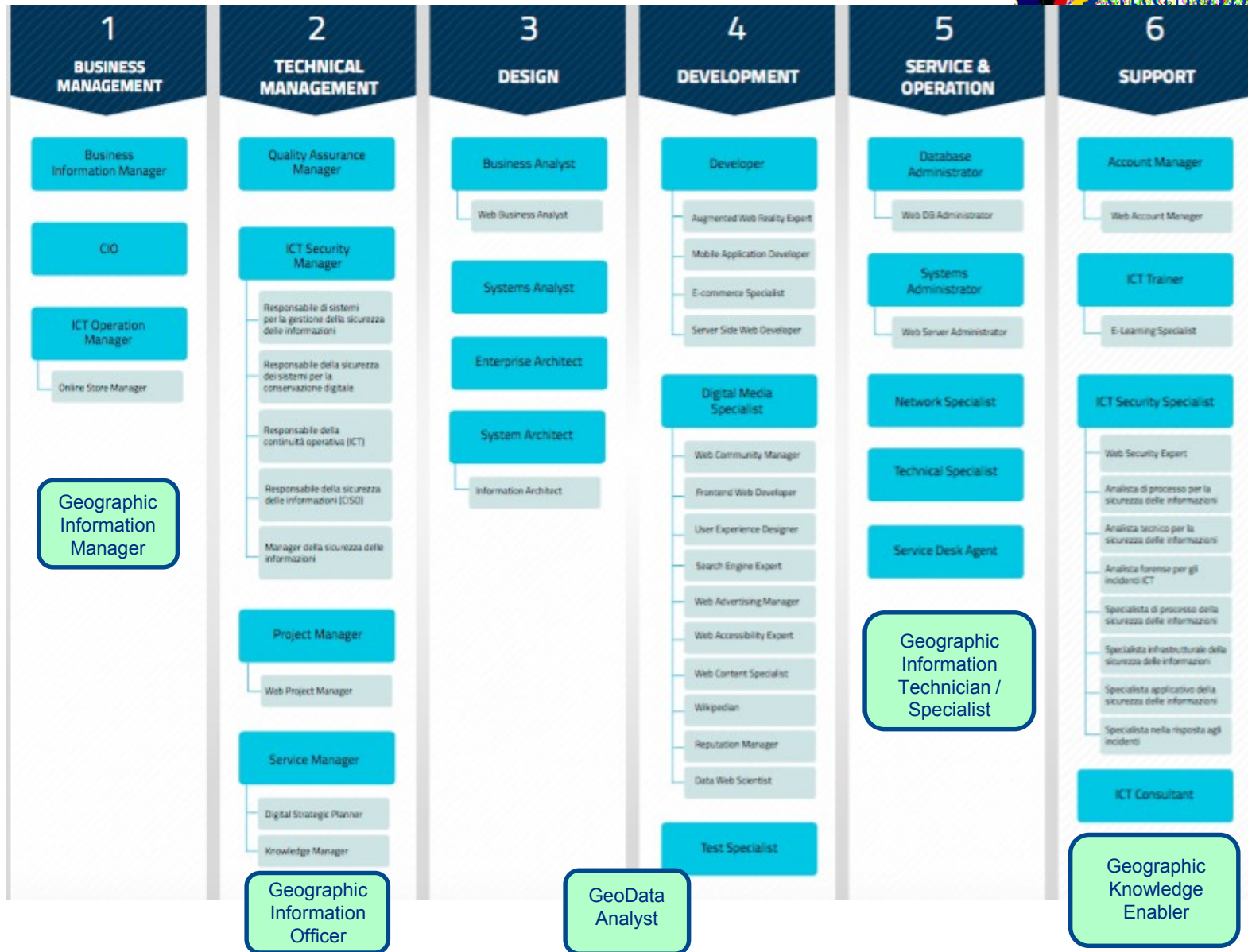
In this matter, a particular attention is given to digital skills and competencies

**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 profiles are:

- GeoData Analyst (GDA)
- Geographic Information Manager (GIM)
- Geographic Information Officer (GIO)
- Geographic Information Technician / Specialist (GIT)
- Geographic Knowledge Enabler (GKE)

# GeCompetencies



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- ▶ The link to AgID general web-site: <http://www.agid.gov.it>
- ▶ AgID projects monitor:  
<https://avanzamentodigitale.italia.it/it>
- ▶ Transparency Portal: <http://trasparenza.agid.gov.it>

### Geospatial data:

- ▶ <http://geodati.gov.it/geoportale/>
- ▶ <http://www.registry-inspire.rndt.gov.it/registry>

### Open government websites:

- ▶ <http://www.dati.gov.it/>
- ▶ <http://soldipubblici.gov.it/it/home>
- ▶ <http://www.opencoesione.gov.it/>
- ▶ <http://opencantieri.mit.gov.it/>

*THANKS FOR YOUR ATTENTION !*

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