

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

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

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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

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

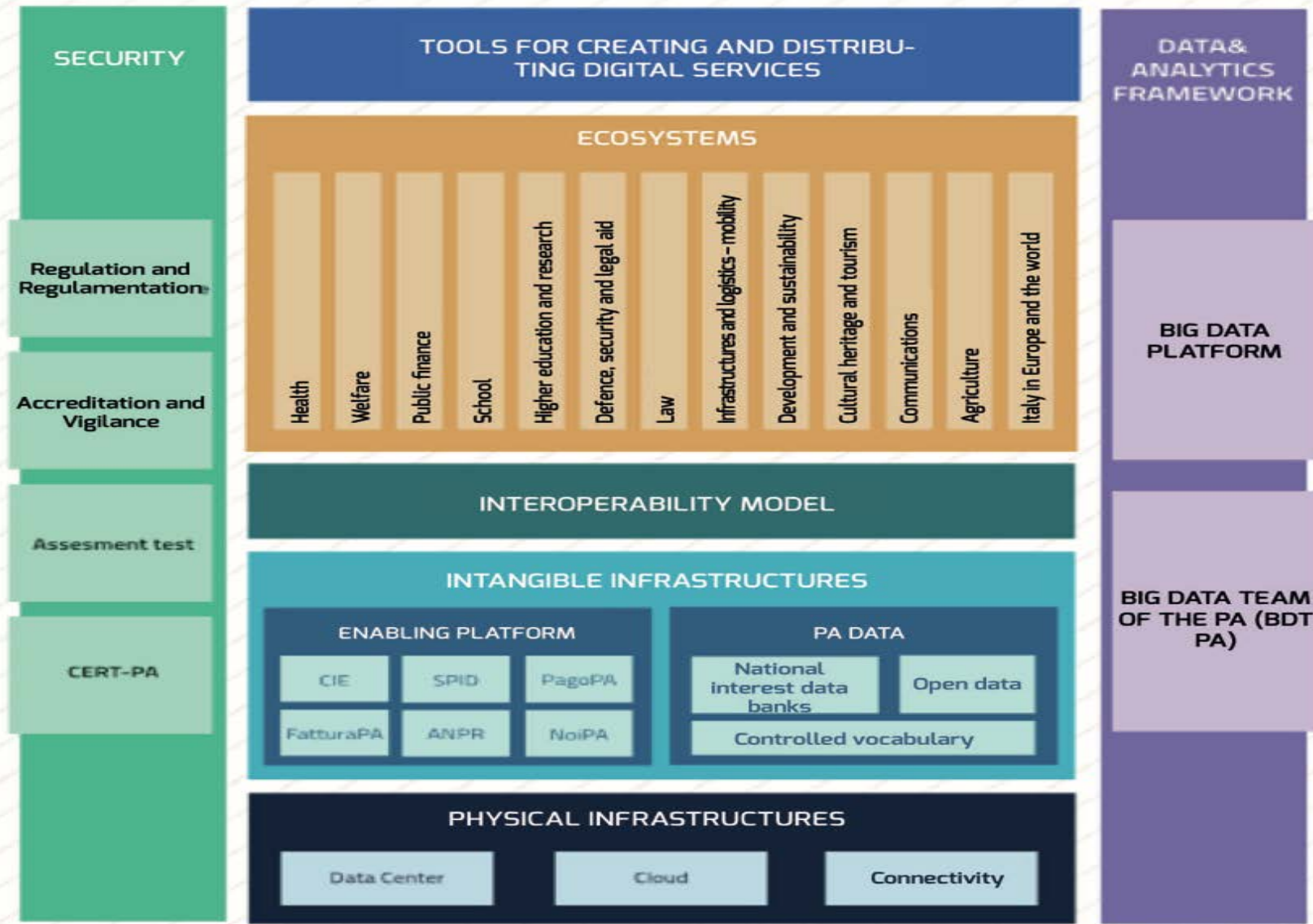
AgID's main actions

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**
 - ...

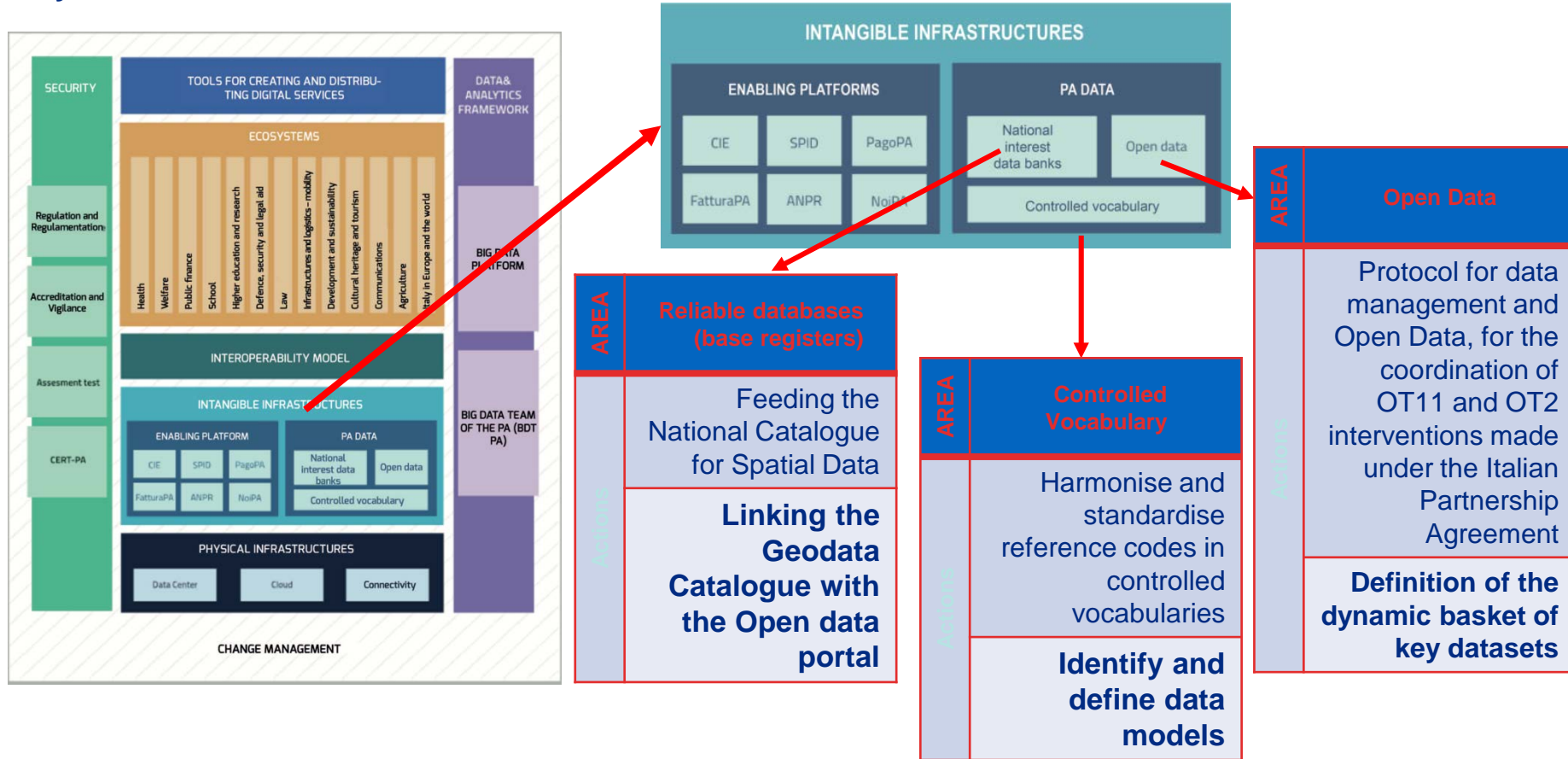


Digital transformation strategic model in the Three-year Plan for ICT

GeoSpatial Data Italian framework



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



Gabriele Ciasullo and Teamwork

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)
- 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 (RNDR.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

The approach



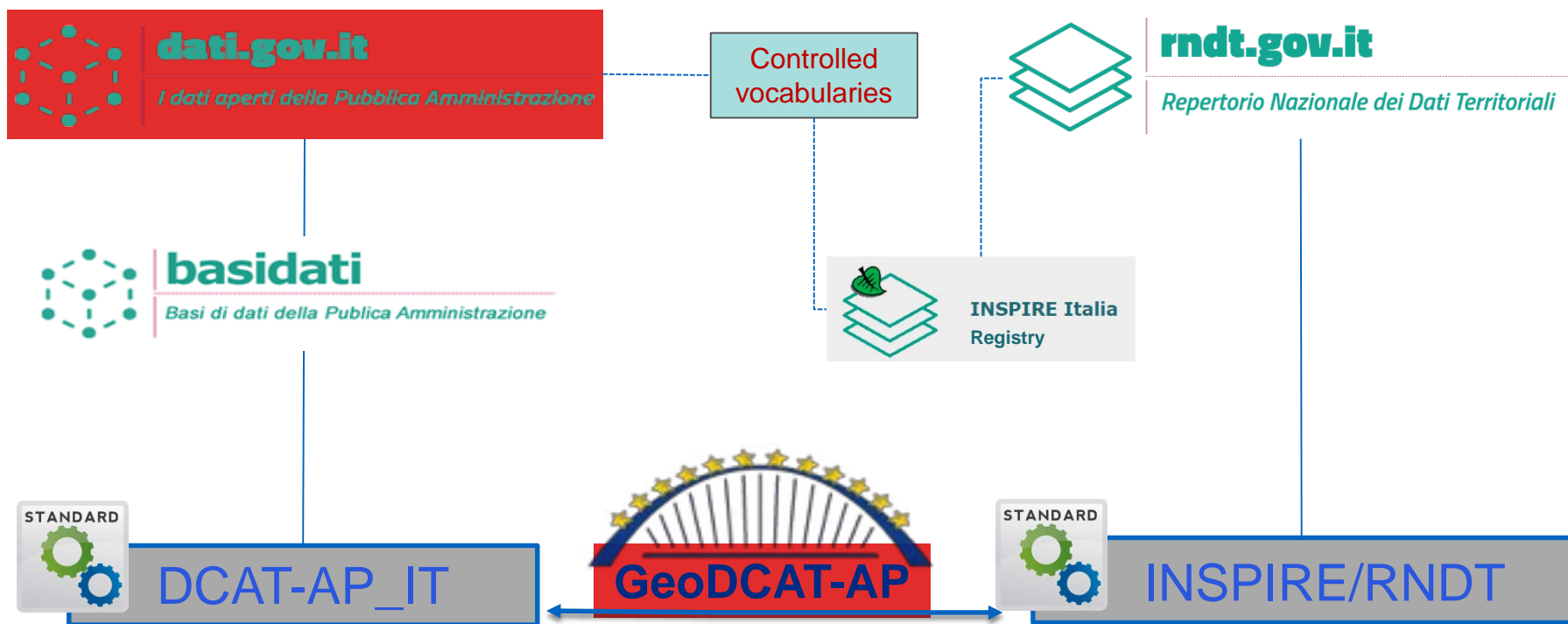
In the topic, AgID has been engaged to **improve the access to data and services**, including the spatial ones

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

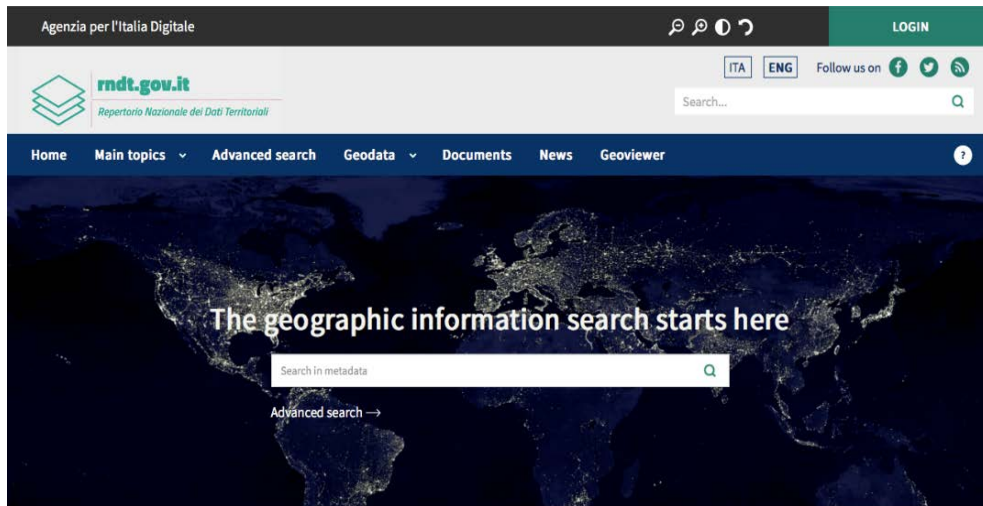
To give an overview of that approach, two use cases:

- 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

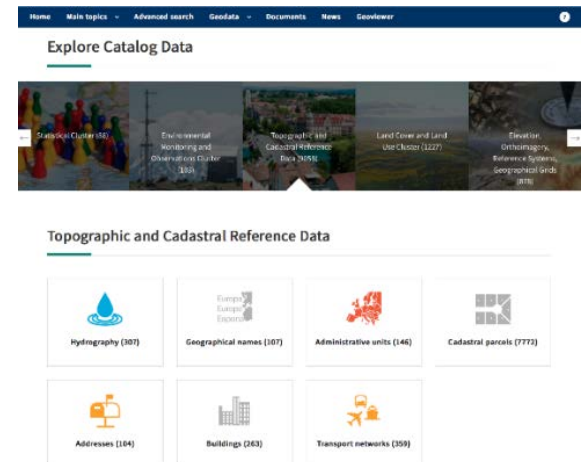


Next steps:

- 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:

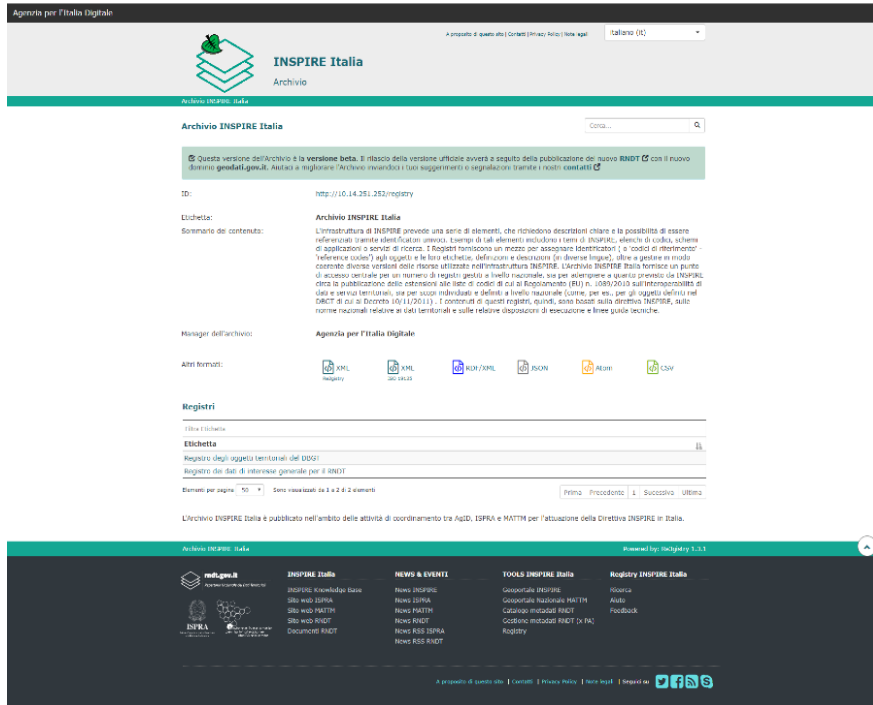
- new domain **geodati.gov.it**
- **discovery** through the **INSPIRE thematic cluster** as search criterion
- metadata available in several **formats**
- source code available for **reuse**
- Implement GeoDCAT-AP
- linked **Italian INSPIRE Registry**





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 (ISA² solution)



European Location Interoperability Solutions for e-Government (ELISE)

GI eCompetencies



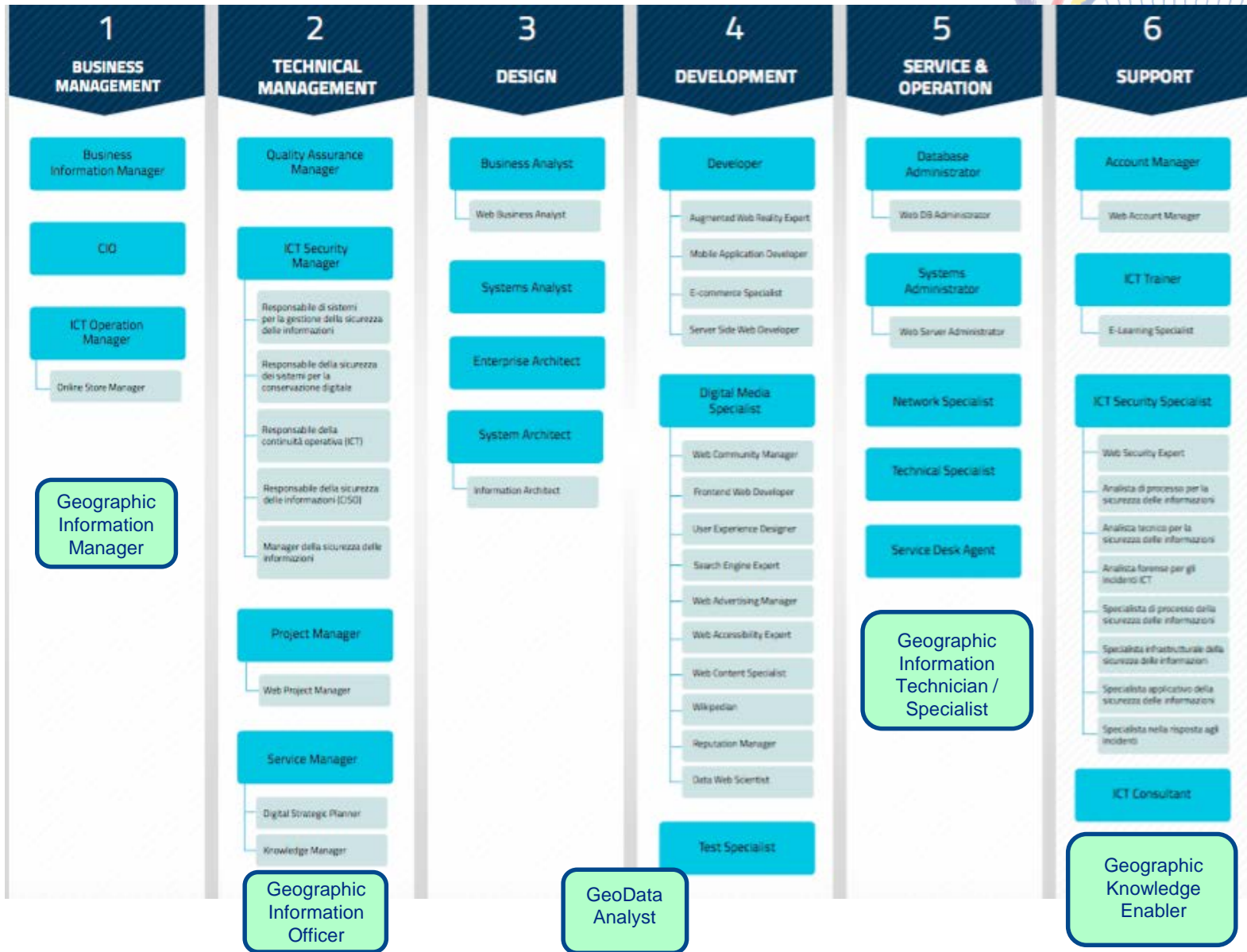
In this matter, a particular attention is given to digital skills and competencies

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)

GI eCompetencies



- ▶ 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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