



Is the GKI sufficient to provide data experience to stakeholders?

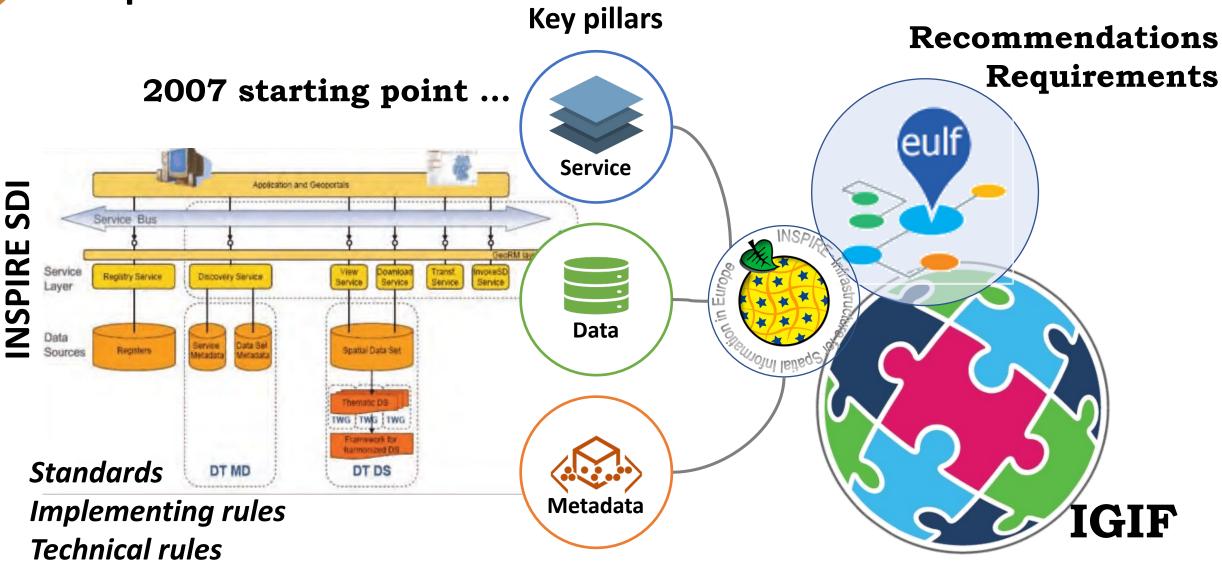
Carlo Cipolloni

Technical Manager of INSPIRE and National Environmental Information system

ISPRA – Italian Institute for Environmental Protection and Research



Geospatial data framework

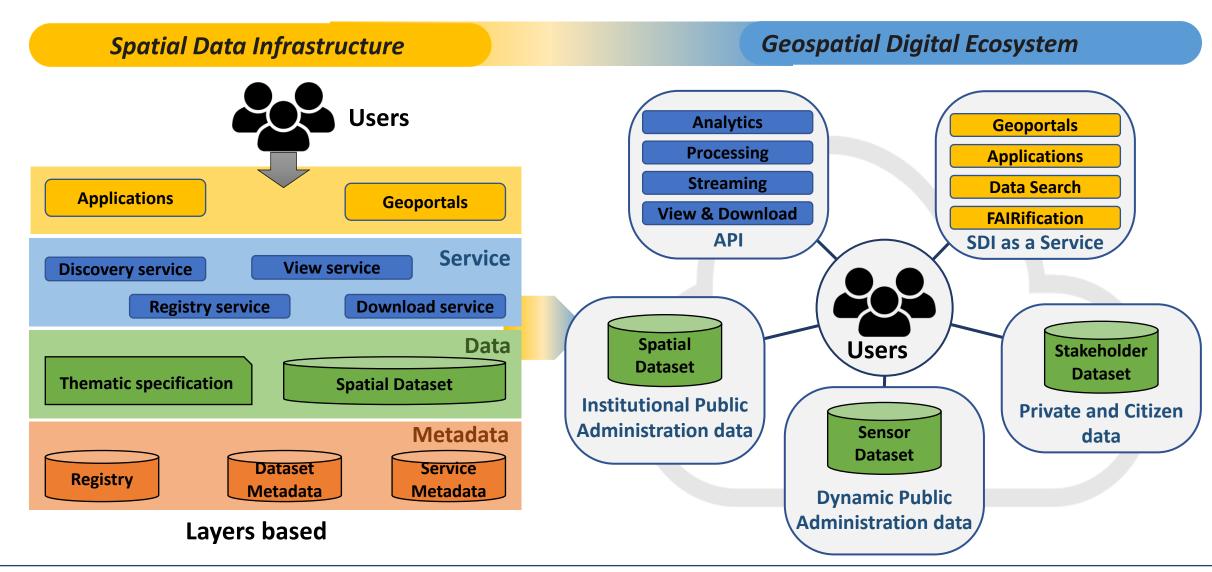








From SDI to Geospatial Digital Ecosystem



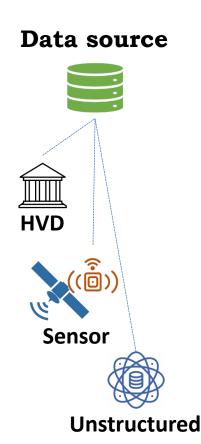


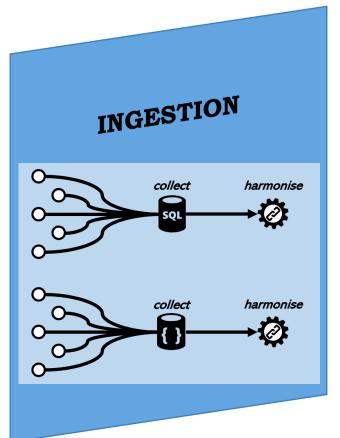


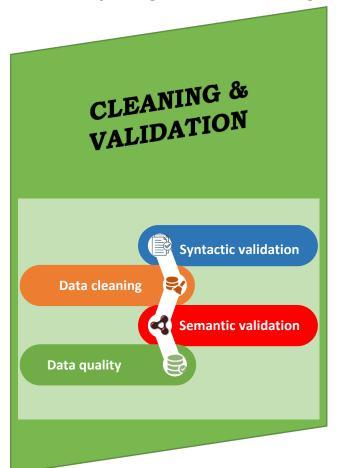


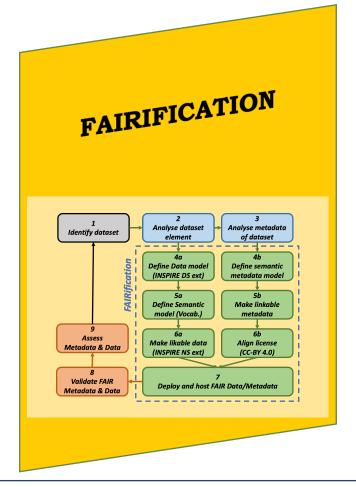
Data management process «crucial element»

Data is the heart of the system - effective data governance requires a clearly defined and documented data lifecycle management process.















Next step - Geospatial Knowledge Infrastructure

(thematic expert) **EXPERTISE - NETWORKING** (community, Industry, ...) **KNOWLEDGE HUB SERVICE** Semantic Multimedia Semantic Knowledge Graph Semantic Knowledge engineering mediation 6 **GEOSPATIAL KNOWLEDGE** INFRASTRUCUTRE APPLICATIONS/ **COLLABORATION EDUCATIONAL DATA HUB SERVICE ANALYTICS SERVICE TOOL SERVICE SERVICE** (API) (API) (API) (API) Metadata, Data and Facilities to support Big data analytics, Service to share Ontology access, WebGIS and portal end-user and document, map integration and layer, models and thematic domain to for sharing sharing knowledge methods transfer knowledge SDI





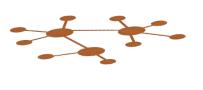


Data enrichment for a «Data Experience»

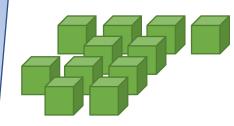
enrichment

+

Semantic Knowledge



Semantic concept



Harmonised Dataset



INFRASTRUCUTRE **GEOSPATIAL KNOWLEDGE**

Data Experience

Applications need to be:

- > SIMPLE
- > INTUITIVE
- > SCALABLE
- > CUSTOMIZABLE
- > FAST ACCESS













Questions??



