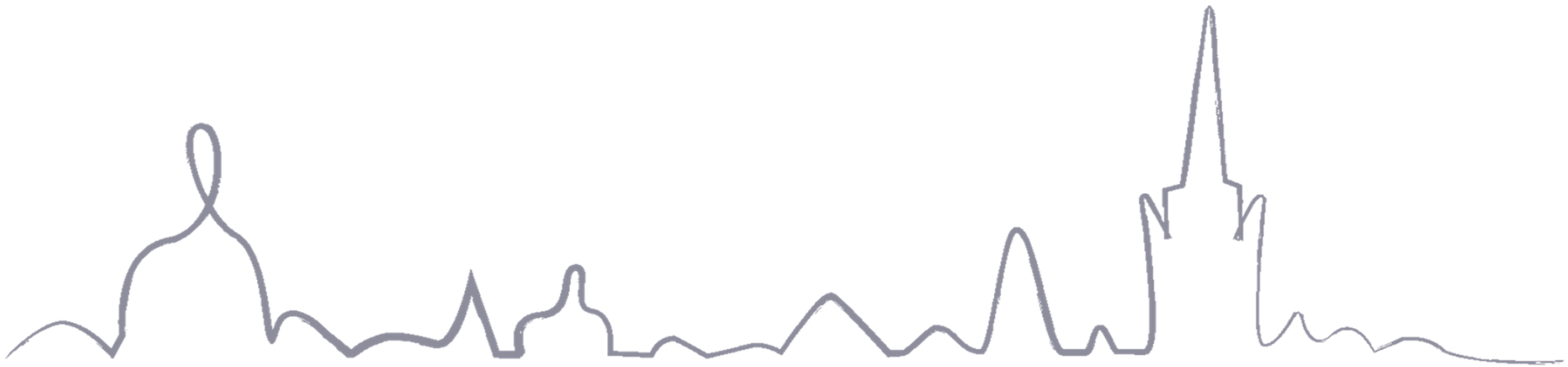




INSPIRE conference
2011

Workshop

INSPIRE as engine for regional innovation and growth





REGIONE AUTONOMA DELLA SARDEGNA
REGION OF SARDINIA (ITALY)
LOCAL AUTHORITY FOR MUNICIPALITIES, FINANCES AND URBAN PLANNING
DEPT. FOR THE REGIONAL SPATIAL DATA INFRASTRUCTURE

Interoperability and open data as economic potential

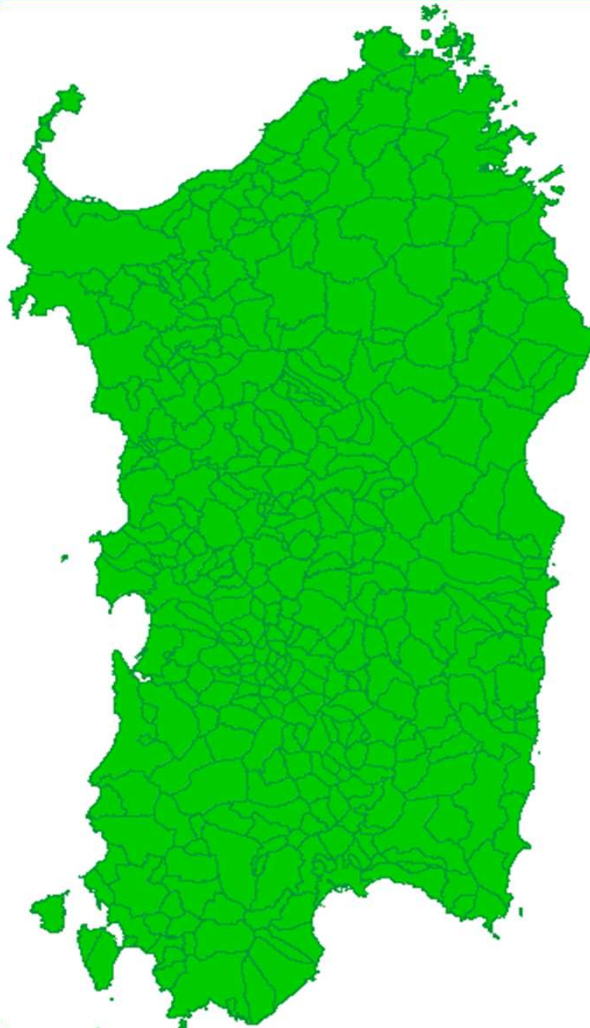
The case of Sardinia SDI

Edinburgh, 28th June 2011

Region of Sardinia: the context



REGIONE AUTONOMA DELLA SARDEGNA



- **Territorial extent:** around 400.000 sqm
- **Population:** 1.500.000
- **Income:** 14.000 €/y procapita (below national average)
- **Main economic resources:** tourism, local production of food and wine

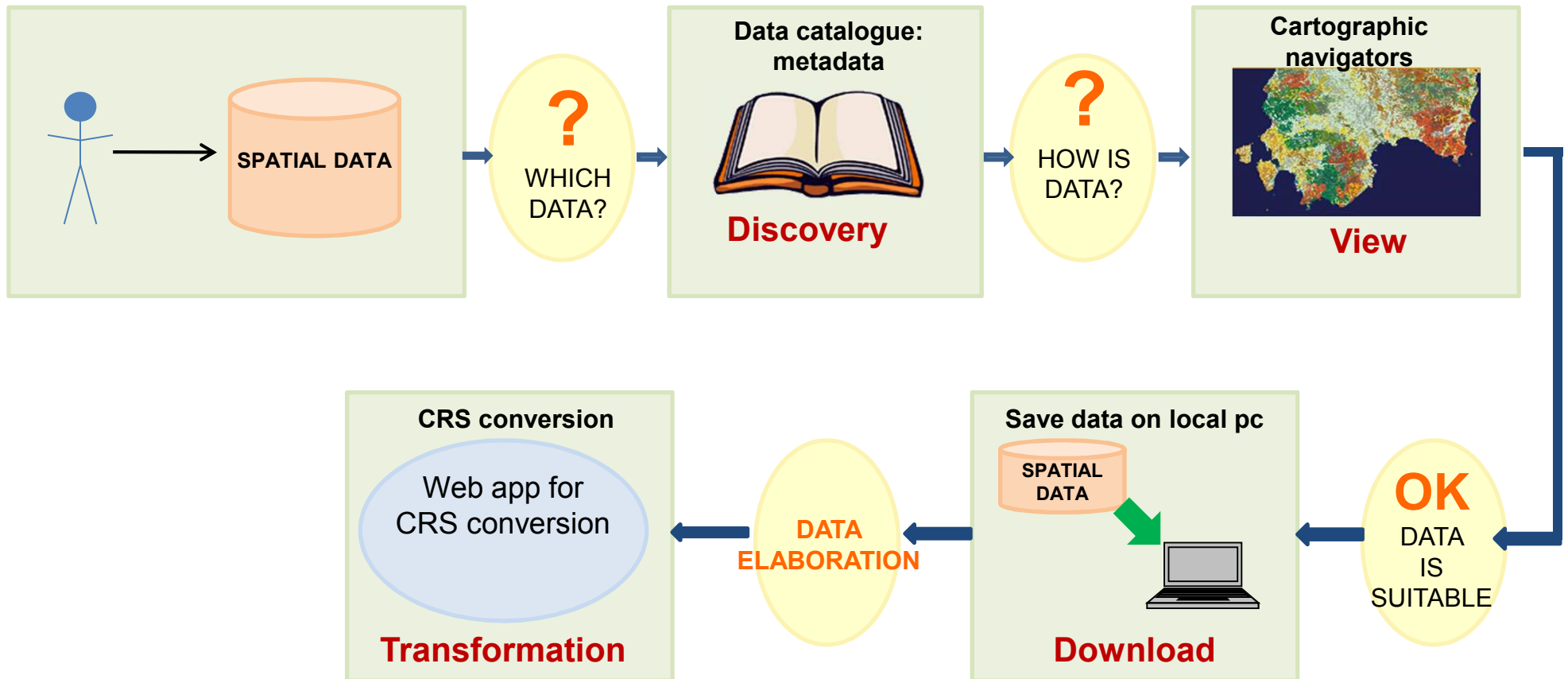


- Developed since 2005 according to the INSPIRE principles of data and services sharing and interoperability

How does SITR-IDT achieves interoperability:

- [Metadata](#)
- INSPIRE [network services](#) with standard protocols
- [Open data](#)

Network services: key role for interoperability





<http://www.sardegna-geoportale.it>

Network Services:

- Discovery: [data catalogue](#)
- View: [cartographic navigators](#) + OGC-WMS
- Download: [data download](#) + OGC-WFS
- Transformation: [Coordinate Reference System conversion](#)

Metadata:

- INSPIRE profile
- ISO 19115 and ISO 19119 for data and services
- ISO 19110 for Feature Catalogue



- INSPIRE **strong points**:
 - establishes the adoption of standard web services;
 - sets out principles of data sharing and availability
- INSPIRE **weak point**:
 - never expressly mentions the need of opening data
- But other recent European legislative acts set out the need of making data open and available with clear licensing:
 - Directive 2003/98/EC on **PSI reuse**
 - **Digital Agenda for Europe**

SITR-IDT open data licensing



- Every user can:
 - freely access, use, reproduce, distribute and modify data, **also for commercial purposes**;
 - freely use, reproduce and distribute derived data, **also for commercial purposes**;
 - a fee can be required only for data *elaborations*: data direct resell is not allowed;
 - the Region of Sardinia must be always quoted as original data creator;
 - the **same open conditions must be applied to all original and derived data**
- Same principles of a GNU-GPL license: virality of open conditions
- Similar to an ODbL license

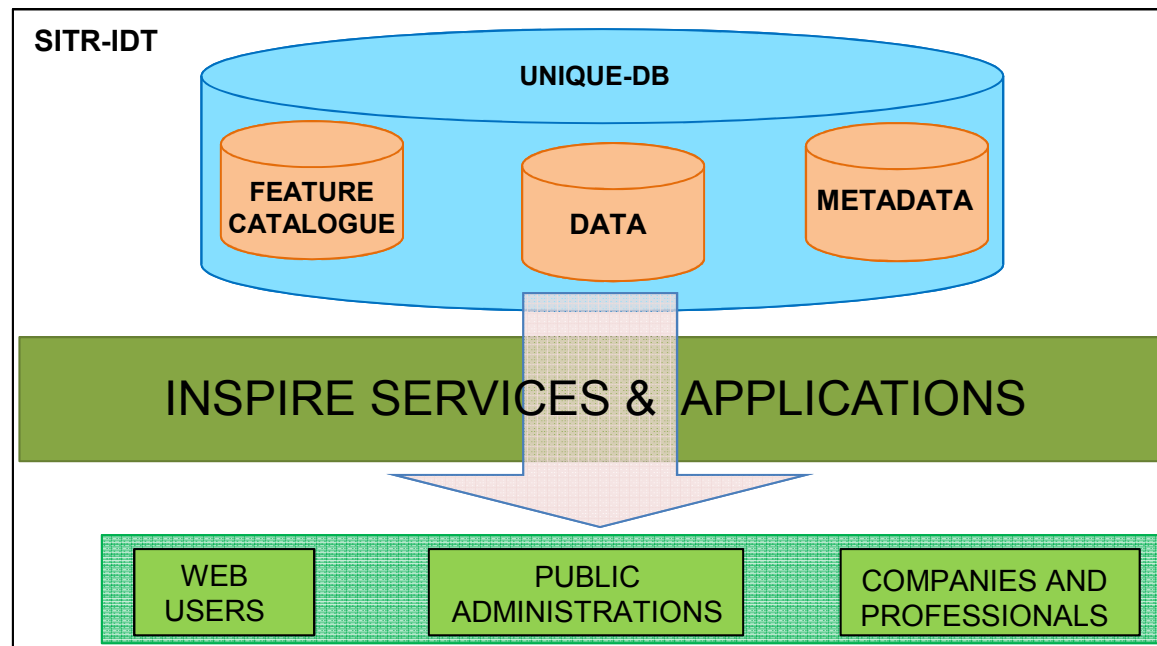
Economic benefits of an interoperable SDI



- The initial investment is known: ca. 10 Mio €
- The economic return is unknown

- What we can estimate:
 - Number of access to the geoportal: ca. 200/d
 - Requests of data
 - Requests of network services troubleshooting

SITR-IDT: Main users categories



Web users category



- Private citizens and common web users:
 - Touristic information
 - Mash-up application that in 4 steps and a “copy and paste” allows to integrate the cartographic navigator into any website

Public Administrations category



- Local Municipalities and other regional departments:
 - Access to the official and up-to-date regional territorial data
 - Can customize the cartographic navigators to their purposes

Companies and professionals category



- Work with spatial data and get income from that:
 - Download data and use them for elaborations
 - Use the OGC-WMS and WFS services as a basis for data use
 - How much they gain from this?



Issues to face

- Scarce knowledge of the SITR-IDT services and of what is nowadays available, mostly by the larger local municipalities and regional offices
- Sometimes a surprising knowledge of the SDI by small professionals or citizens
- Conclusive question: maybe the need of having spatial data and services in a scarce economic capability makes users more interested and more willing to use the existing services, with consequent possibility for the regional PA of improving them and optimizing the investment.



Thank you for your attention!

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