Facilitating e-Government Services in cross border regions with SDIs - Remembering SDIGER project 2004-2006

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Main idea of this talk

- How (SDI) technologies are (or may be) used in cross-border scenarios?
- Review a 10 years old cross-border project and perform a quick reality check
SDIGER overview

  - A cross-border inter-administration Spatial Data Infrastructure
  - Support WFD information access

- Test INSPIRE implementation (pilot project)
  - Costs, problems, obstacles
  - Cross-border related issues
  - Reuse existing SDIs

- Plus: Can INSPIRE SDIs support e-government?
Cross-border scenario

- 2 countries
  - France, Spain

- 2 cross-border river basins
  - Adour-Garonne, Ebro

- 2 competent authorities
  - L’Agence de l’Eau Adour-Garonne
  - Confederación Hidrográfica del Ebro

- 3 languages
  - Spanish, French, English
Main components

- **Geoportal**
  - [http://www.sdiger.net](http://www.sdiger.net) → [http://sdiger.unizar.es](http://sdiger.unizar.es)

- **Catalog Services**

- **Gazetteer Services**
  - Toponyms (incl. hydronyms, water points)

- **Visualization and Access Services**
  - Topographic data
  - Water Reference data
  - WFD Thematic data
Main components – Two Web applications

- **G2G: WFD Reporting**
  - WFD forces the national authorities to report the state of the water bodies
  - Data and information collection
  - On-the-fly reporting of hydrologic data
  - Interactive reporting of hydrologic data
  - Cross-border application (implemented)

- **G2C: Water Abstraction Requests**
  - E-government application supported by SDI
  - Private water abstraction request (administrative processes)
  - Facilitate hydrographic information to citizens (user need)
  - User need → Hydrographic information → Administrative process
  - Cross-border application (planned, single country implemented)
G2G: WFD Reporting

- Do you remember 2006 Web apps?
- SWB1. Typology of surface water bodies (2:46)
- SWB2. Identification of surface water bodies (2:11)
- Same app for reporting across the border
G2C: Water Abstraction Requests

- In many countries, both surface and ground waters are public.

- Their use for private purposes requires an authorization.

- Complex administrative process depends on water use.

- Great amount of time and delay.

- Still a paperwork process.
(Again!) Do you remember 2006 Web apps?

Water abstraction (4:22)

Impact further than reporting but one side was reluctant to implement it
Reality check (and conclusion)

- SDIGER 2004 – 2006
  - INSPIRE pilot in across border scenario

- Now (2015) we have
  - INSPIRE + transposition to national legislations
  - SDIs provided by most of the European public authorities
  - Some applications using SDIs

- Now (2015) we DO NOT have
  - A real use of SDIs as (cross border) e-government tools
    - e.g. WFD reporting use digital file transfer
    - e.g. Abstraction requests use “digital paper” (PDF)

- Open question/conclusion: Why this have happen?
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