Brussels
Brussels
The good guys
Brussels-Capital Region

- 19 municipalities
- 1,060,000 inhabitants
- 162 km²
INSPIRE Implementation In The Brussels Region:

A Collaborative And Open Approach

INSPIRE Conference – Aalborg – 19th June 2014

Eric Auquière – Georges Charlot
IT'S A LONG STORY
2007: the starting point

- May – adoption of INSPIRE Directive
- December – workshop and settlement of a **regional** committee and a legal working groups

**GEOBRU committee**
2007-2010: legal aspects – Geobru decree

- Integration of the European Directive objectives
- Collaboration between the concerned public authorities
- Brussels specificities
  - Enlargement to all data produced within the Brussels Region
  - UrbIS data confirmed as the mapping reference
  - Brussels geoportal implementation
  - Brussels metadata profile = ISO + specific fields
  - Creation of the Geobru committee
    - Coordination of the INSPIRE implementation within the BCR
    - Coordination with the Belgian Inspire Coordination Committee
2007-2010: legal aspects – Executive order

- Responsibilities of the partners
  - IBGE (environmental agency): European and national coordination
  - IBSA (statistic institute): regional coordination
  - CIRB (Brussels Regional Informatics Centre): technical aspects

- Functioning of the committee
  - Composition
  - Missions
  - Reporting
  - Information exchange
Brussels Regional Informatics Centre (BRIC)

- Main responsibilities:
  - Ensures **the update of UrbIS data** and **the implementation of web services**
  - **Implements and maintains the geoportal** in accordance with procedures established by the GeoBru Committee
  - Ensures the **operation of the Geoportal**
  - Provides material and **technical assistance** to public authorities
Project governance

Geobru steering committee

Technical Working Group

Editorial Working Group

Project Team
Requirements analysis

- 07/2010 to 02/2011
  - Requirements analysis
    - INSPIRE constraints
    - Functional requirements short list
    - Benchmark of geoportal initiatives
  - Approach to the market for a technical solution
    - Request For Information (RFI) procedure
    - 36 Geo-ICT System integrators and Product vendors contacted
    - 13 responses received: Cap Gemini, Imagem (ERDAS), ESRI, GeoCAT, Geosolutions, GIM, Intergraph, Metrico, NSI, Projections, SIGGIS, Spacebel, STAR-APIC
Solutions analysis

- 09/2011 to 02/2012
  - Based on RFI Responses and alternative OSS Portal
  - Criteria:
    - Use of Open Standards
    - Using components released under Open Source Software license
    - Using as much as possible software components with which the CIRB has experience and has the in house competences
    - Maximum of functionality out of the box
    - Capitalization of the work already performed
    - Modularity in design and Service Oriented Architecture design
GeoBru High Level Architecture

Architecture
Infrastructure
Implementation
Geoportal of the Brussels Capital Region
Geoportal of the Brussels Capital Region
Users

- Administrators
  - Content manager
  - Technical administrator

- Public users
  - Anonymous user
  - Registered user
## Functionalities

<table>
<thead>
<tr>
<th>Functionality group</th>
<th>Users</th>
<th>Information</th>
<th>Metadata</th>
<th>Services</th>
<th>Maps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search</td>
<td>All</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Consult</td>
<td>All</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
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<td>All</td>
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<tr>
<td>Share</td>
<td>Registered</td>
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<td>X</td>
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<tr>
<td>Publish</td>
<td>Registered</td>
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<td></td>
<td></td>
<td>X</td>
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</tbody>
</table>
### Data and services catalogue

The catalogue enables you to:
- Consult the inventory of the available geographic data using various search criteria
- Visualise or download the associated metadata files in various formats (pdf, zip, ...)

#### Protected areas in the Sonian Forest

**Brussels-Capital Region**: protected areas in the Brussels Sonian Forest: vulnerable planting or regeneration plots, refuges for wildlife, fragile being recolonized areas. In those areas, walkers must always stay on the paths and dogs must be leashed (Order of 30 March 1995).

<table>
<thead>
<tr>
<th><strong>Identification</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Title</strong></td>
<td>Protected areas in the Sonian Forest</td>
</tr>
<tr>
<td><strong>Abstract</strong></td>
<td>Brussels-Capital Region: protected areas in the Brussels Sonian Forest: vulnerable planting or regeneration plots, refuges for wildlife, fragile being recolonized areas. In those areas, walkers must always stay on the paths and dogs must be leashed (Order of 30 March 1995).</td>
</tr>
<tr>
<td><strong>Hierarchy level</strong></td>
<td><strong>Dataset</strong>: Information applies to the dataset</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Citation identifier</strong></th>
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<tbody>
<tr>
<td><strong>Unique resource identifier (*)</strong></td>
<td>BRU_ENVI_95cb54b3-6e5f-4697-ba6d-7b2b2c2f3c5c5</td>
</tr>
<tr>
<td><strong>Codespace</strong></td>
<td>Bruxelles Environnement / Leefmilieu Brussel</td>
</tr>
<tr>
<td><strong>Language</strong></td>
<td>French</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Classification of spatial data and services</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topic category</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Topic category code</strong></td>
<td>Planning cadastrale</td>
</tr>
</tbody>
</table>
Abstract: The map shows the land use layers from the PRAS. They are given as an indication. Only cards and requirements published in the Belgian Official Journal (Moniteur Belge) of 14 June 2001 are binding and have regulatory value.

Source of data: BruGIS team - DAF - AATL
Maps

Create a map

Create your own maps by adding layers from the portal or by downloading other data and save them here in order to share or view them later. You need to be registered to save maps on the portal.

CREATE A MAP  UPLOAD YOUR DATA

Search a map

<table>
<thead>
<tr>
<th>KEYWORD</th>
<th>THEME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example: environment, envi, ...</td>
<td></td>
</tr>
</tbody>
</table>

SEARCH

LIST OF AVAILABLE MAPS

(The logo ☛ means that the map is located on an external site)
www.geo.irisnet.be
Collaborative and open approach

• Bottom-up approach
  – No constraints from a cartographic agency
  – No political pressure

• Project leaded by several administrations
  – Concerned by INSPIRE
  – And/or interested by the concepts of sharing data

• Pragmatic approach
  – All the partners are involved in the decisions
  – We use AGILE methodologies

• Collaborative through
  – The steering committee
  – The working groups (legal, technical, editorial)
  – The workshops (geo-parties, metadata encoding)
Contact

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