OSM and the European agenda

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* The views expressed are purely those of the authors and may not in any circumstances be regarded as stating an official position of the European Commission
About JRC
1. EU developments
   - GISCO
   - INSPIRE

2. Examples
   - GISCO - Background Services (OSM@EC)
   - INSPIRED OSM in Spain
   - Cultural heritage and hazards in the Danube region
GISCO

DG's + Agencies + European Institutions

DG COMM
WEBTOOLS

DG ESTAT (GISCO) & other DGs
DATA & SERVICES & GUIDANCE
2007: A baby is born

Nokia 2600, 15 million sold
INSPIRE & JRC

- Technical coordination for the implementation of the INSPIRE Directive
- Providing validation tool to test interoperability of data and services
- Providing access to MS data through the INSPIRE Geoportal
- Contribute to availability of priority datasets
2018: Implementation ‘state-of-play’

Source: EEA INSPIRE Dashboard
OpenStreetMap Registered Users

2007 - 2018
A few examples .....
GISCO - Background Services (OSM@EC)

Customised OSM background maps

In line with the official position of the EU

Global extent, 5min update

Up to zoom level 18 (1:2000)

WEBTOOLS or Direct Usage
Mapping of disputed areas

Open Street Map
truth on the ground rule

European Commission
political position

Solution for OSM@EC
maintain administrative status of boundaries

- international
- disputed
- line of control
- Kosovo (special case)
MAPPING OF DISPUTED AREAS: EXAMPLES

Kosovo and Macedonia

Crimea

For illustration only "The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the European Union!"
INSPIRed OSM in Spain
INSPIRed OSM in Spain
INSPIReOSM in Spain

**Republic of Slovenia, Ministry of Agriculture, Forestry and Food**

Actual land use data (Issvencia de jzajem za mejnika) from Ministry of Agriculture, Forestry and Food® - for details see Slovenia Landcover Import - RADA/RIGCE, tagged with source=HANS-RIG.

Due to ongoing changes the original land-use data might not always reflect the current use of the ground or official land use (official in Slovenia: "Evidence de jzajem za mejnika in godinih zamih* de spretno postavljajo, glede na dostopnost vira in informacij. Prikazano stajaje se ohranja vedno navzochnega stajaja.

The Surveying and Mapping Authority of the Republic of Slovenia

Administrative borders of Slovenia (country border, statistical regions...), from Geodetic upraw Republika Slovenije, tagged with source=GIS.

Note: Public information of Slovenia, The Surveying and Mapping Authority of the Republic of Slovenia (official in Slovenia: "Jasne informacije Slovenije, Geodetiko uprawa Republike Slovenije")

**Instituto Geográfico Nacional (IGN)**

IGN is providing to OpenStreetMap several valuable resources:
- The official imagery (PNCOA) is allowed to be used for tracing, details.
- Municipality boundaries, geodetic and elevation points and place names where imported, details.
- CORINE Land Cover Details.
- Información de Datos Espaciales de España (IDEE), Centro Nacional de Información Geográfica, Instituto Geográfico Nacional.

**Zaragoza City Council**

Data from Zaragoza Open Data® under next terms (this is a free translation, you can read original terms in spanish):
- It is prohibited to extract the meaning of information. This quote can be made this way: " ourselves Zaragoza City Council (or proper administrative office).
- Date of last update must be quoted if available in the original dataset.
- It is prohibited to suggest that Zaragoza City Council participates, sponsors or supports the release which is carried out with the release. It included metadata about date of update and reuse terms must be included in destination document. They can not be modified or directed.

**Barcelona City Council (CertBCN)**

European Commission
Cultural heritage and hazards in the Danube region

Natural Hazards
- Fires
- Earthquakes
- Floodings

Cultural Heritage
- Buildings
- Sites
- Monuments

DATA SOURCES
- NASA
- Copernicus
- USGS
- OpenStreetMap
- Wikipedia
- Lonely Planet
- TripAdvisor
- UNESCO

Instituto Superiore sul Sistemi Territoriali per l’Innovazione

European Commission
As an example, in the “Building” category data on CH are stored as follows:

Different types of Cultural Heritage can be found inside “Building” category, such as churches, castles, etc.
Cultural heritage and hazards in the Danube region
An international best practice on Cultural Heritage Protection
Cultural heritage and hazards in the Danube region

Strengths

- Data are already catalogued, georeferenced, ready to be downloaded
- Data are constantly updated
- Data are free
- No economic effort is required for database maintenance and update
- Data are easily accessible

Weaknesses

- Data on cultural heritage are spread across different categories (such as “Building”).
- Data are often not coherent with Cultural Heritage international standards (such as UNESCO) nor national (such as SIGEC in Italy, JOCONDE in France, etc.).
- No verification/validation process is applied to data, that consequently cannot be used by Emergency Operators or Local Authorities to deal with natural hazard risks prevention
- Reported data are not collected, tailored or structured on the basis of Emergency operators needs (low usability)
Conclusions

1. OSM, a threat or an opportunity from a public sector point of view?
2. Complementarity (OSM-INSPIRE)
Call CEF-TC-2018-5: Public Open Data

• Objectives
  1. Support for the **re-use of information** made discoverable/available through the European Data Portal [2M EUR]
  2. Support generation of **cross-border services** providing access to **harmonised thematic open datasets**, in particular geospatial data [1.5M EUR]
  3. Support the creation of new access services to increase the HPC and data capacities of the European Data Infrastructure [15M EUR]

**Consortium composition**: a minimum of 5 entities from 5 or more eligible countries

**Deadline** for submissions: 15 November 2018

[link to application page]

[European Data Portal]

[Inspire - Information on Spatial Data Infrastructure in the European Union]

[Opernicus - Europe's eyes on Earth]
Thanks!