Metadata management in GO-PEG

Internal webinar – 8 February 2022

Agenda

- Introduction and objectives (Giacomo, 5 min)

- Overview of management of open geodata and focus on Italian best practice (Gabriele/Antonio, 20 minutes)

- Possible scenarios, and related pros & cons and open issues, for the management of GO-PEG output HVDs metadata (Giacomo, 5 minutes)

- Q&A (all, 30 minutes)

Introduction and objectives (1/4)

ARTICLE I.1 – SCOPE AND OBJECTIVES OF THE ACTION

The main objective of the Action is to provide access to harmonized thematic open dataset(s) and their corresponding metadata in the areas of environment, emergency, and disaster management. The starting point will be existing spatial (and related) datasets from INSPIRE (Directive 2007/2/EC) and from existing spatial data infrastructures in the Member States. These datasets are published by the Member States in their national or thematic geoportals and are accessible through the European Open Data portal. The datasets will be harmonized in terms of data content, level of detail, data structure, vocabularies and license conditions and each dataset will have a cross-border geographical coverage involving five EU Member States (Belgium, Germany, Denmark, Spain and Italy). The results will be made available through the European Data Portal and documented through metadata in the appropriate harvested catalogues.

The Action will result in clusters of datasets within the mentioned themes and covering the five selected countries. These will be made accessible by web services to allow users to discover, view and download the data.

More specifically, the Action will: Engage stakeholders (experts, data providers); define detailed data-use scenarios with a qualitative and quantitative cost-benefit analysis; perform an in-depth data assessment; assess and extend data models such as the INSPIRE specifications; perform iterative data processing; apply innovative data transformation and provision technologies for optimal data usability; collect feedback from data providers and users; and identify "lessons learnt" to be applied to other areas and datasets.

Introduction and objectives

- GO-PEG will achieve its objectives through the co-design and co-execution of 6 use cases.

- Each use case will have to generate at least one HVD (matching the current characteristics set in ODD and the requirements of the Implementing Act under finalisation), using its own IT infrastructure.

- GO-PEG is setting-up a methodological approach and a technological framework to enable re-usability of data harmonisation/enrichment processes.

Introduction and objectives (3/4)

- The main objective of this webinar is to level the knowledge of the consortium partners in terms of management of the HVD metadata to be created in the GO-PEG context.

- In particular, the following issues will have to be addressed:
  - How to handle metadata of multi-country datasets?
  - Who is the metadata point of contact and with which role?
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  - Who will publish the metadata and where?
  - How to ensure that GO-PEG HVDs will be finally discoverable in EDP?

A first possible scenario (4/4)

- Scenario 1 for GO-DEPTH use case:
  - Use of agreed text in the Resource Title and in the Resource Abstract
  - Use of agreed keywords, part of a predefined codelist
  - Use of text in the Lineage, prepared according to a common template
  - ISPRA (main stakeholder) will publish the metadata of the IT dataset on its own metadata catalogue, in turn already harvested by RNDT (official Italian catalogue of geospatial data), in turn already harvested by EDP.
  - Under discussion who will publish the metadata of the datasets of the other countries and how. One option, currently under investigation, is that ISPRA hosts on its catalogue the metadata for the multi-country dataset, duly explaining in the lineage the way the dataset was obtained, the responsible parties for the source data in different countries etc.
  - Download services will be created by EPSIT via OGC Features APIs, hosted on EPSIT cloud (at least initially).

Other possible scenarios

- Creation of a GO-PEG catalogue, temporarily hosted by one of the partners
  - Issue 1: how to manage its harvesting directly by EDP?
  - Issue 2: how to sustain this option in the long term?