ENGAGE – An Infrastructure for Open, Linked Governmental Data Provision towards Research Communities and Citizens

Objectives:
The main goal of ENGAGE project is the deployment and use of an advanced service infrastructure, incorporating distributed and diverse public sector information resources as well as data curation, semantic annotation and visualisation tools, capable of supporting scientific collaboration and governance-related research from multi-disciplinary scientific communities, while also empowering the deployment of open governmental data towards citizens.

On-going activities:
There is already a portal (in beta) available at www.engagedata.eu with ~15,000 datasets and 250 users. The main functionality includes data upload/download, metadata improvement, data cleaning, analysis and visualization. Also data community/social networking features. In detail, the ENGAGE platform supports the following tools:
- Browse / search for datasets through faceted search
- Upload / Bulk Upload datasets
- Download datasets
- Request datasets
- Extend / Revise Datasets
- Visualise Datasets (Core visualization for tabular datasets - Creating chart based visualizations, Creating map based visualizations, integrating visualizations from external engines – e.g. Many Eyes)
- On the fly Microsoft translation
- Plug-in for Open Refine (ex-Google Refine)
- Clustering Analysis (K-means clustering)
- Manage / share related items (Publications, Web applications, APIs related to the dataset)
- SPARQL endpoint
- Restful ENGAGE API (JSON format)
- ENGAGE Wiki
- Dataset rating and commenting system

Results:
ENGAGE is a centralized and collaborative PSI e-Infrastructure providing the necessary tools for dataset processing and acquisition and is differentiated from a simple repository of open public datasets. It is an intelligent social and collaborative space for researchers, data journalists, citizens and other potential end users, who rely on open public data for professional or personal (re-)use. The main project output is the project platform (www.engagedata.eu). Other results include:
- Synergies with e-Infrastructure projects:
  Collaboration activities including signing MoUs with 5 projects (OpenAIREplus, CHAIN-REDS, LOD2, CLARIN-ERIC and CITADEL on the Move).
- Contacts with another 11 initiatives and projects, containing key PSI ones such as the ePSI, epractice.eu and Joinup platforms and the LAPS1 project, other e-Infrastructure ones such as EUDAT and other technology or interoperability ones such as Open Knowledge Foundation and the Research Data Alliance.
Important liaisons were also established with Open Data Government initiatives (GovData.de, das Datenportal für Deutschland, Data.gov.gr, data.gouv.fr), and first contacts were made with Datos.gob.es and Data.gov.uk. Contribute to the evolving standardisation

PSI Metadata - EUROCRIS are expecting to develop a profile based on the work undertaken in ENGAGE.

Research Dataset Metadata – euroCRIS and STFC members are involved in the Research Data Alliance Metadata Working Group (Keith Jeffery) and Contextual Metadata Group -now called Data Context- (Brigitte Jörg, euroCRIS is chairing it)

Overall a 3-layer architecture for metadata is pursued to provide the enhanced facilities for end-users beyond those possible with conventional PSI offerings

URL: www.engagedata.eu, www.engage-project.eu