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A linked-data vocabulary of grey literature document types: Version 1.0

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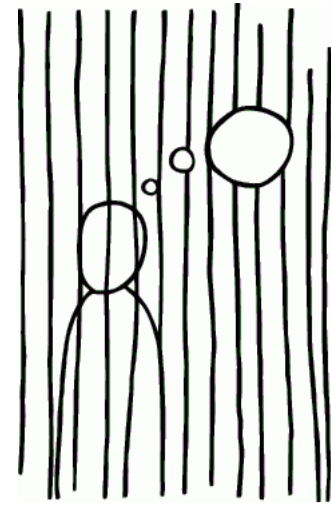
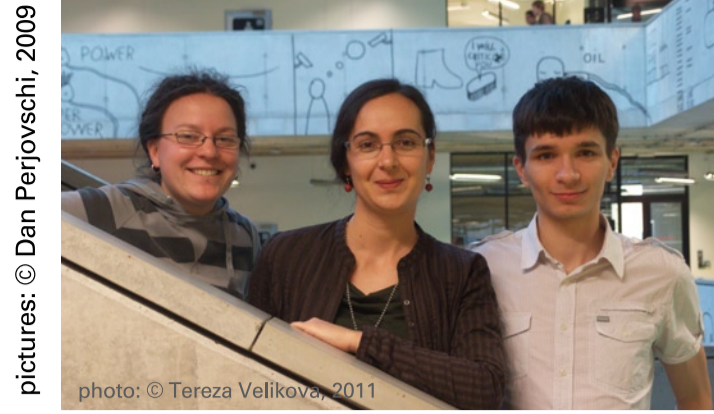
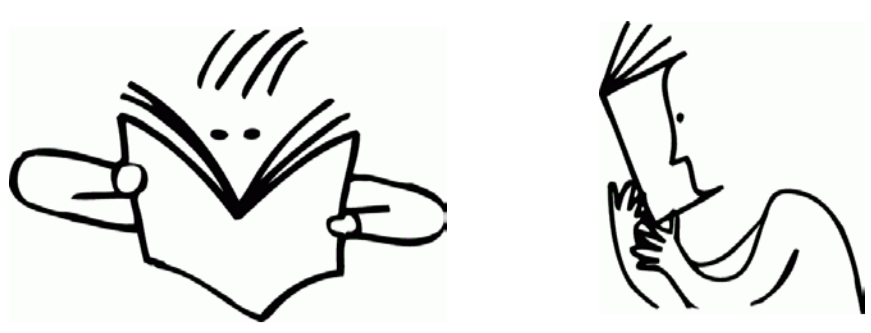
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Vocabulary

The typology of grey literature is a controlled vocabulary in RDF (Resource Description Framework) expressed as SKOS (Simple Knowledge Organisation System) concept scheme. This description of the document types of grey literature has a loose structure with hierarchical relations. Each type is provided with a definition and most of them are exemplified with a prototypical example of a document for which it can be used. By design, the typology is focused on the description of types. Other documents' attributes, such as content or format annotations, are excluded from the vocabulary.

Linked data

The vocabulary is published as linked data. Each of its types is identified by URI (Uniform Resource Identifier) and the vocabulary is interlinked and mapped to other datasets, such as Biblioontology or DCMI Types. In this way the types can be re-used and linked from any RDF dataset just by referring to the type's URI, e.g., with Dublin Core type property.

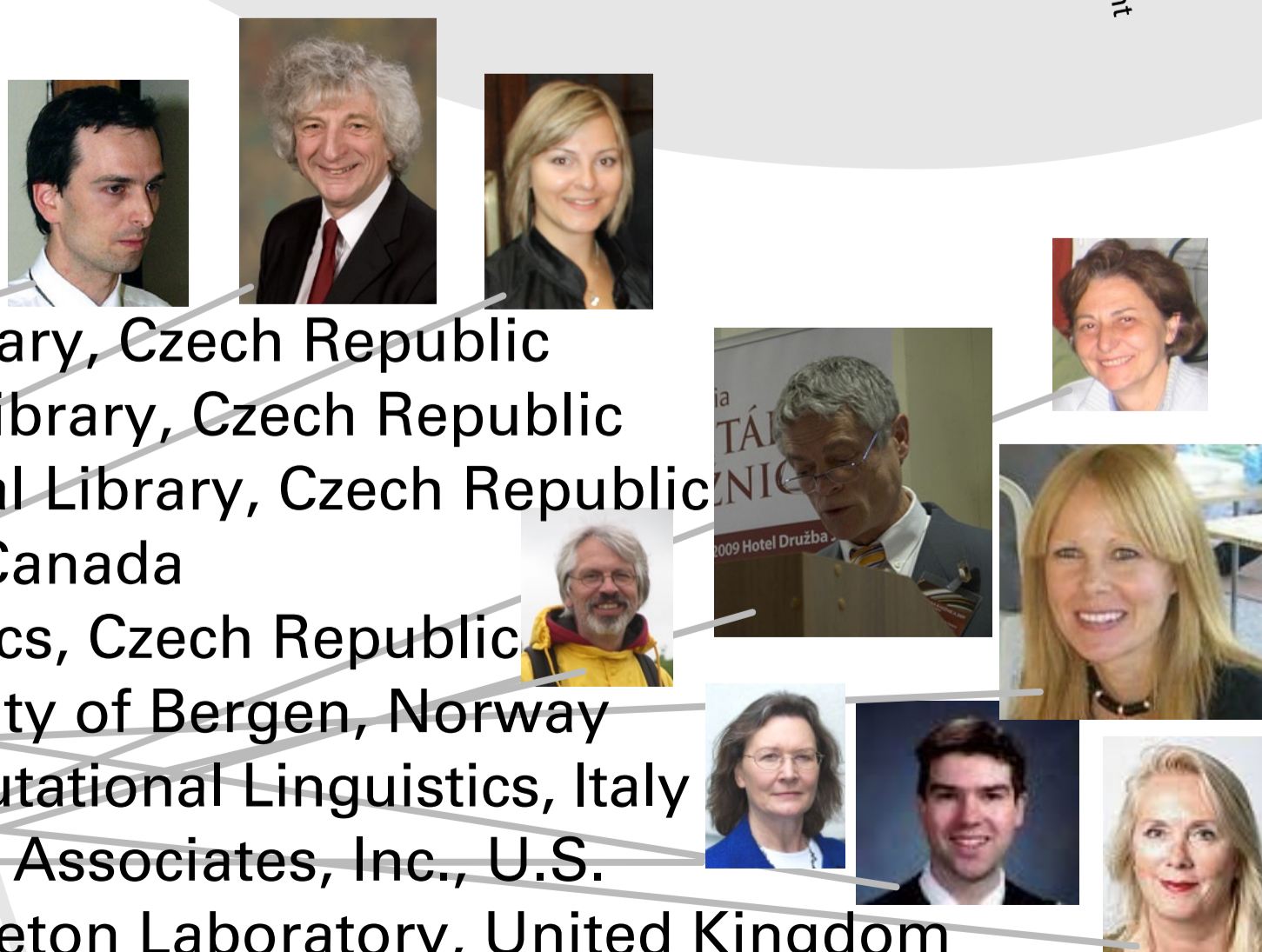
Development

Vocabulary of the Types of Grey Literature is based on the analysis of grey literature typologies and a draft version of vocabulary presented on GL12. The typology is developed collaboratively as a Google Code project. The draft version was reviewed by 13-member international working group appointed to this purpose. In the year 2011, 42 comments and suggestions were accepted. Changes mainly redefined some collections, some document types were merged and others excluded. The major changes concerned the following collections: monographs, informative materials, datasets and research plans. The first version is available for use from November 2011

on project website.

Working group

- Petra Pejšová – National Technical Library, Czech Republic
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- Marcus Vaska - University of Calgary, Canada
- Vojtech Svátek - University of Economics, Czech Republic
- Anne Gams Steine Asserson – University of Bergen, Norway
- Claudia Marzi - CNR Institute for Computational Linguistics, Italy
- June Crowe - Information International Associates, Inc., U.S.
- Keith G Jeffery - STFC Rutherford Appleton Laboratory, United Kingdom
- Marta Dušková - Slovak Centre of Scientific and Technical Information, Slovakia
- Joachim Schöpfel - Charles de Gaulle University of Lille 3, France
- Dominic J. Farace – GreyNet, Netherlands
- Daniela Luzi - IRPPS-CNR, Italy



Example of the type:

```

gltype:conference-proceedings a skos:Concept ;
skos:inScheme gltype ;
skos:prefLabel "Conference proceedings"@en, "Sborník z konference"@cs ;
skos:broader gltype:conference-material, gltype:proceedings ;
skos:definition "Conference proceedings are the collection of academic papers that are published in the context of an academic conference. They are usually distributed as printed books or electronic version either before the conference opens or after the conference has closed. Proceedings contain the contributions made by researchers at the conference."@en ;
skos:editorialNote "Taken from Taken From Proceedings. (2004). Retrieved May 23, 2011, from Wikipedia, the free encyclopedia: http://en.wikipedia.org/wiki/proceedings"@en

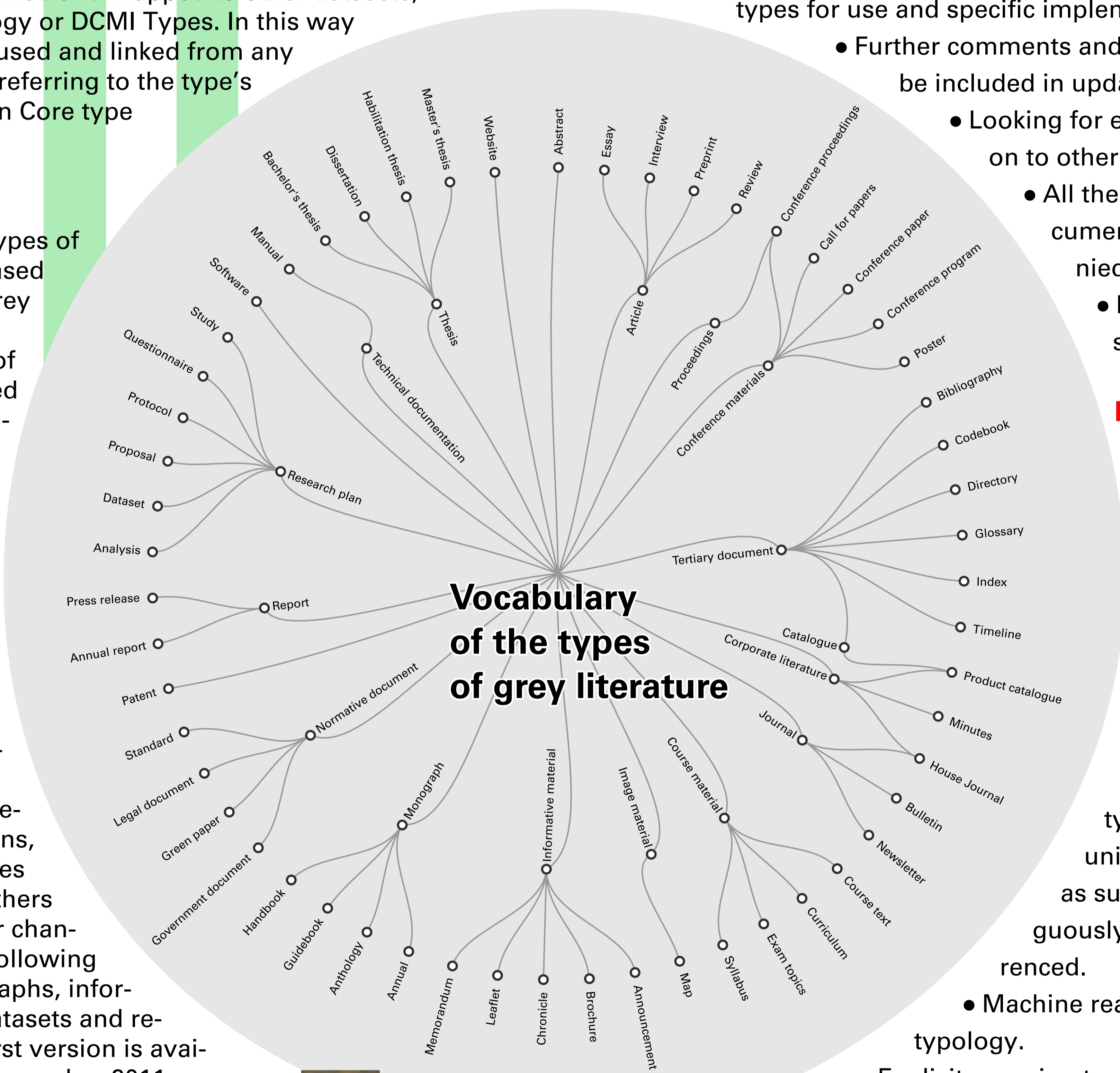
```

Usage example:

```
<> dc:type gltype:conference-proceedings .
```

Future

- Dissemination of the vocabulary of grey literature document types for use and specific implementation.
 - Further comments and suggestions will be included in updated versions.
 - Looking for experts for translation to other languages.
 - All the grey literature document types accompanied by the examples.
 - Maintaining the source code.
- ### Benefits
- The first functional model to be directly implemented in grey literature repositories.
 - Each grey literature type has a definition.
 - Grey literature types have globally unique identifiers, and as such can be unambiguously a persistently referenced.
 - Machine readable format of the typology.
 - Explicit mapping to other vocabularies, eg DCMI Type.



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