Geothermal Research Search engine

WP3 – Research strategy

ETIP-DG
European Technology & Innovation Platform on **Deep Geothermal**

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Task 3.1 - Data collection, organization and sharing

To build an information platform to support the identification of the most relevant **research priorities**:

- Implementation of a Geothermal Research Search Engine for documents and/or references
  - Geothermal project deliverables library (i.e., H2020, FP7, FP6, …)
  - Geothermal documents library (e.g., SET-Plan, National roadmaps, market reports, energy sector status, social acceptance documents, regulatory aspects, policies, …)
- Description of each resource (i.e. metadata)
- Definition of controlled keywords and category
- Interoperable by using international standards
- Organization in a database of the information gathered from documents/projects for strategic analysis (e.g., programme, received funds, topic, coordinator, partners, status, …)

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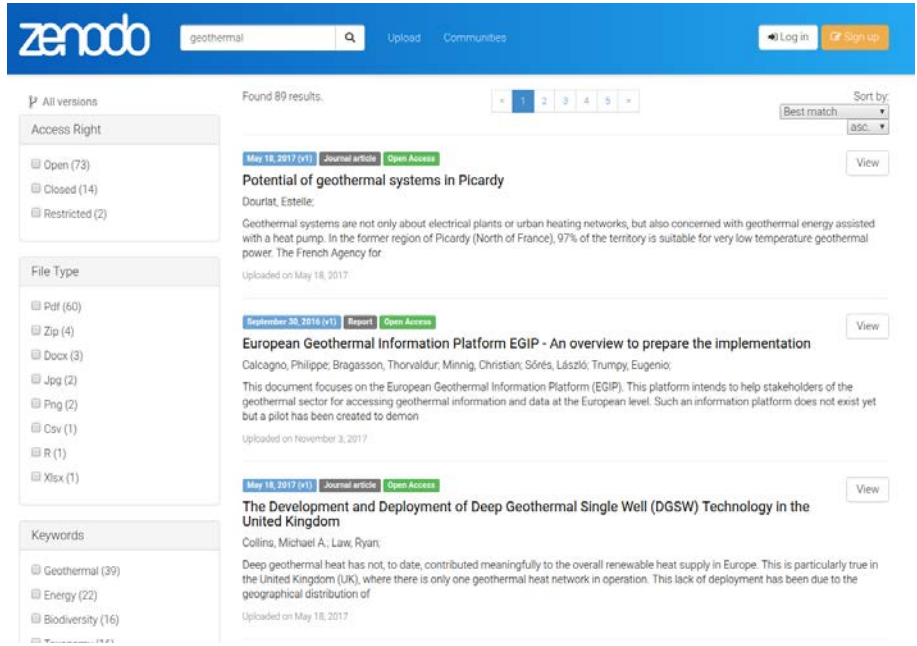
ZENODO will act as **back-end** and it guarantees:

- **Safety**: the resources are stored safety for the future in the same cloud infrastructure as CERN's own (Large Hadron Collider) LHC research
- **Funding assignment**: it allows to identify grants, integrated in reporting lines for research funded by the EC via OpenAir
- **Communities**: it is possible to create own complete digital repository accepting or rejecting uploads by creating 'Communities'
- **Citable-Discoverable**: uploading allows to gets a Digital Object Identifier (GOI) to make them easily and uniquely citable



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An easy to use **front-end** will be specially designed and developed.

The front-end will be fully integrated in the ETIP-DG website but it will exploit the features and power of ZENODO repository.

Key feature will be the search engine which will rely on a strategic and controlled assignment of the categories and keywords.

- Suggested categories are the 5 ETIP-DG Working Groups
- Fields available for search: type of resource, publication type, title, authors, language, keywords, communities, grants, others…
- Keywords suggestions:
  - WG category
  - Country/ies of reference
  - …

API
Application Programming Interface

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