

Data sharing platform

Geothermal Research Search Engine

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ETIP-DG

European Technology & Innovation
Platform on **Deep Geothermal**

www.etip-dg.eu



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Background information

In order to describe RD&I in the deep geothermal sector also from a historical perspective, and to retrieve all the necessary information for highlighting success stories and gaps, a detailed and comprehensive collection of documents from past and actual RD&I projects and activities has been designed in DG-ETIP.

The main information, e.g. the Deliverables of European funded projects available on-line have been collected in Task 3.1. An organized catalogue has been then created using ZENODO, a repository for research outputs, created by OpenAIRE and CERN and funded by European Commission (EC) to provide a place for researchers to deposit their research products. All collected documents have been described with metadata and uploaded in ZENODO, in a Community called 'Deep Geothermal'.

The collected public documents are discoverable by a dedicated search engine, which is embedded in the ETIP website. This web-based information platform is the deliverable D3.1, which has been completed by June 2018 both for the front-end and for the upload of about 350 documents.

The platform uses modern ICT technologies, and provides a framework for access, retrieve and query the documents collected for ETIP Deep Geothermal in ZENODO.

Primary users of the platform are the working group leaders and all the members of ETIP-DG working on the drafting of the strategic documents, in particular the Strategic Research Agenda and the Roadmap. Moreover, the access to the Geothermal Search Engine is guaranteed even to general public (ETIP-DG non-members) interested in EU projects report discovery upon requests. General public can access the page where request the access to the Geothermal Search Engine directly from the link available in the main menu of the ETIP-DG website. The request consists to fill-in some general information (i.e., First name, Family name, email address, country, reason for requesting access and declare that the data retrieved will not be misused). An email informs the applicant that the request has been accepted and shows a link to a page where create a password. Thus password created will allow the non-member users to log-in and access the Geothermal Search Engine.

The access to the platform is possible for ETIP-DG members, in the private area of the ETIP-DG website (on the *Members Area* Menu).

The Platform

The search engine appears as in Figure 1. Documents can be retrieved using the general search tool (“Enter your search term” in Figure 1), which search words in all fields of the metadata used to describe the documents uploaded to ZENODO (e.g., Authors, document Title, Project name, Funding Program, Abstract and all the abstract content). The search is case insensitive.

Documents have also been categorized using the ETIP-DG Working Group Titles (i.e., exploration, drilling, production, surface systems / generation, environmental and non technical), so that documents can be easily filtered out by category. Other ways to filter documents is by Funding Programme, Project Title and Documents type.

When a document is chosen, it can be explored by clicking on its title. The exploration brings to the Summary Page of the document (Figure 2) where the user has access to the main metadata of the document, including its keywords, its abstract and may download the pdf of the complete document.

The Platform will be up and running for the entire lifetime of the ETIP-DG website.

The collection of documents will be updated during the DG-ETIP project, following also the hints from WG activities.

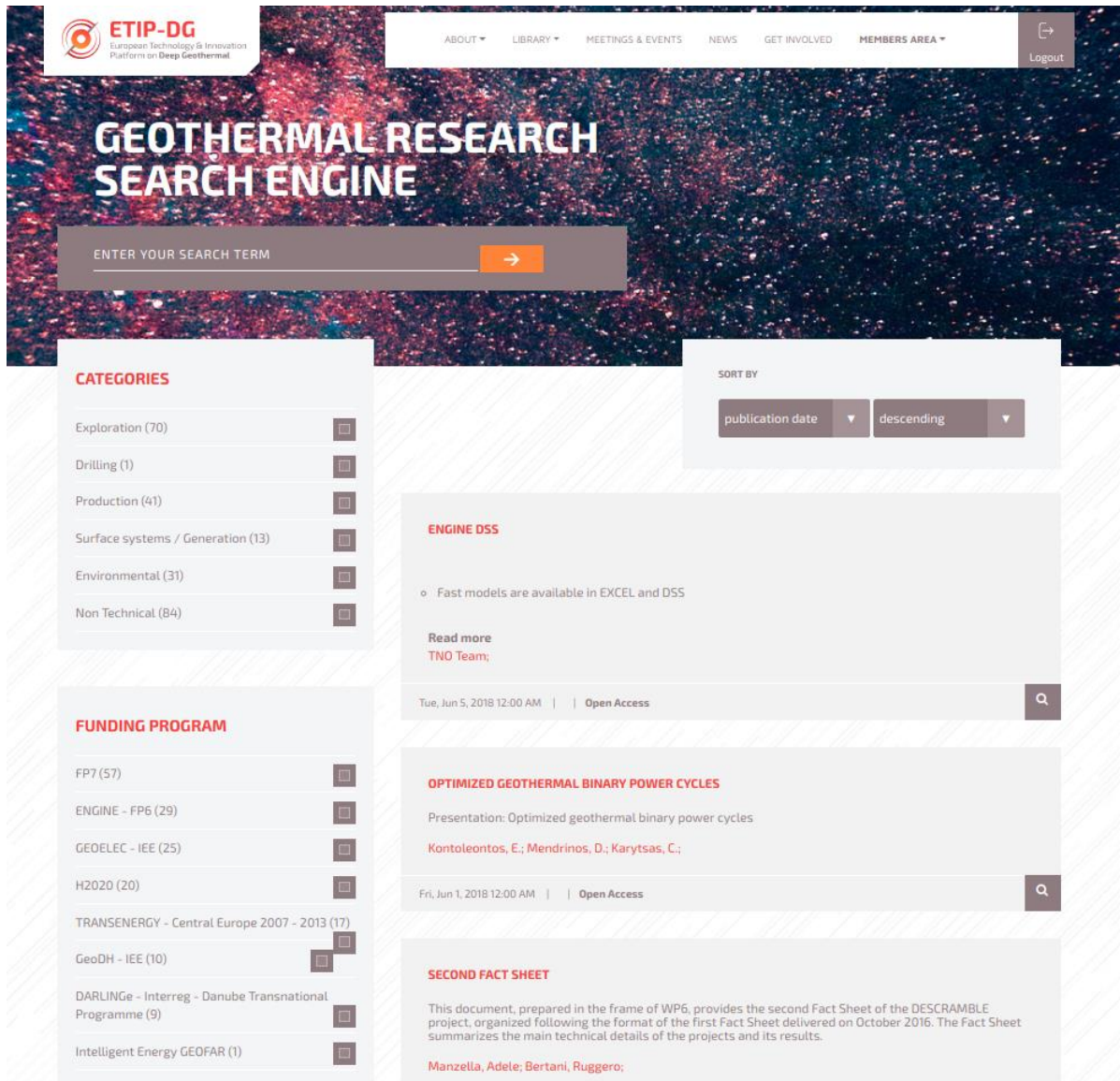
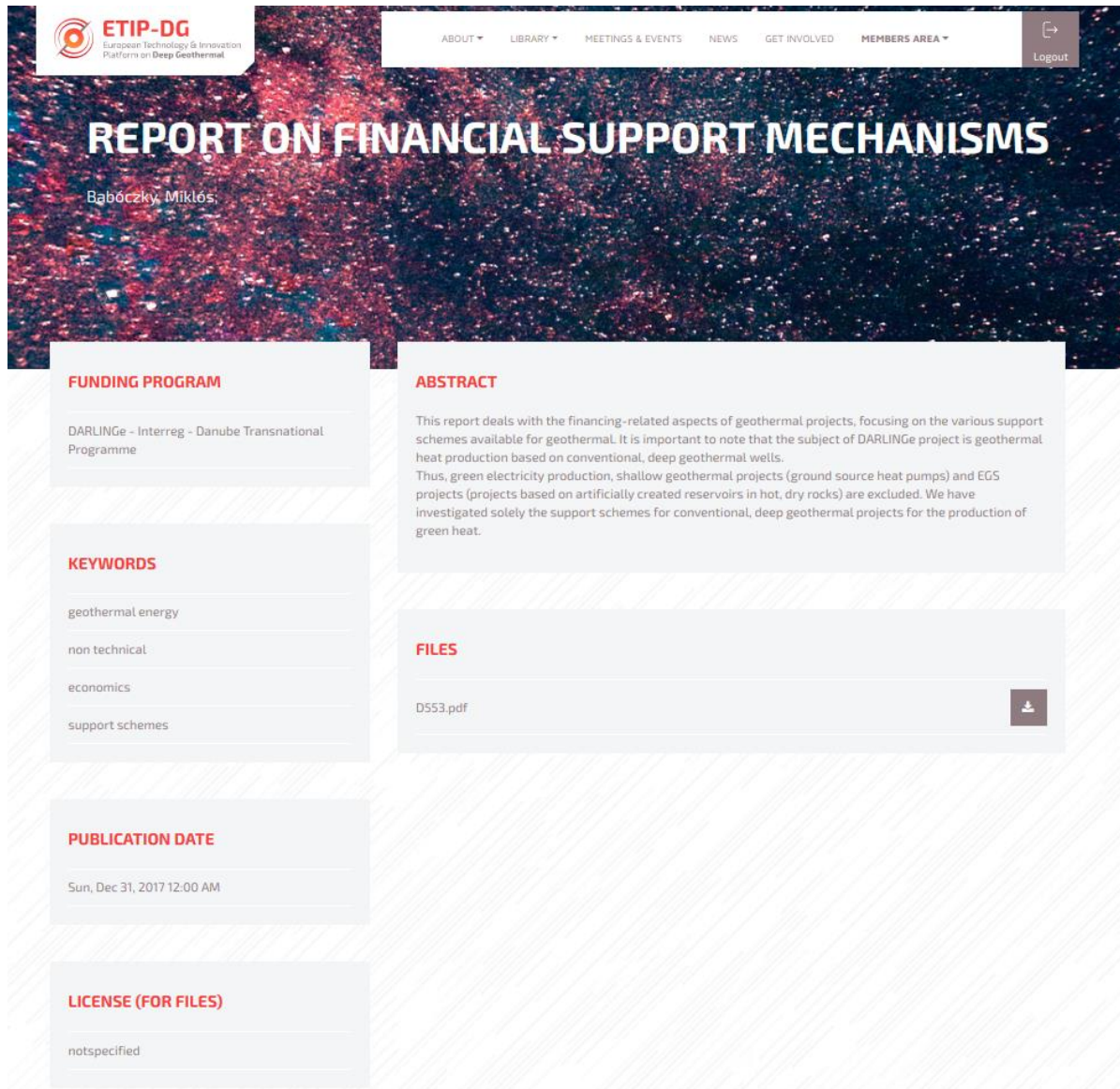


Figure 1: Screenshot of the upper part of the search engine. Subdivision in categories is clearly shown.



The screenshot shows a web page for a document titled "REPORT ON FINANCIAL SUPPORT MECHANISMS" by Babóczy, Miklós. The page features a navigation bar with links for ABOUT, LIBRARY, MEETINGS & EVENTS, NEWS, GET INVOLVED, and MEMBERS AREA, along with a Logout button. The main content area is divided into several sections: FUNDING PROGRAM (DARLINGe - Interreg - Danube Transnational Programme), KEYWORDS (geothermal energy, non technical, economics, support schemes), PUBLICATION DATE (Sun, Dec 31, 2017 12:00 AM), LICENSE (FOR FILES) (notspecified), and ABSTRACT (This report deals with the financing-related aspects of geothermal projects, focusing on the various support schemes available for geothermal. It is important to note that the subject of DARLINGe project is geothermal heat production based on conventional, deep geothermal wells. Thus, green electricity production, shallow geothermal projects (ground source heat pumps) and EGS projects (projects based on artificially created reservoirs in hot, dry rocks) are excluded. We have investigated solely the support schemes for conventional, deep geothermal projects for the production of green heat.). A FILES section contains a download link for "D553.pdf".

Figure 2: Screenshot of the Summary Page for a document.

Disclaimer

IF AN AUTHOR OR MORE THAN ONE REPUTES THAT THE DOCUMENT MUST NOT BE REPUBLISHED AND OR MUST NOT HAVE A DIGITAL OBJECT IDENTIFIER (DOI) IDENTIFICATION CAN REQUEST THE REMOVAL FROM THE GEOTHERMAL SEARCH ENGINE BY MAILING TO info@etip-dg.eu



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