



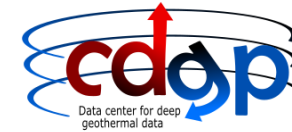
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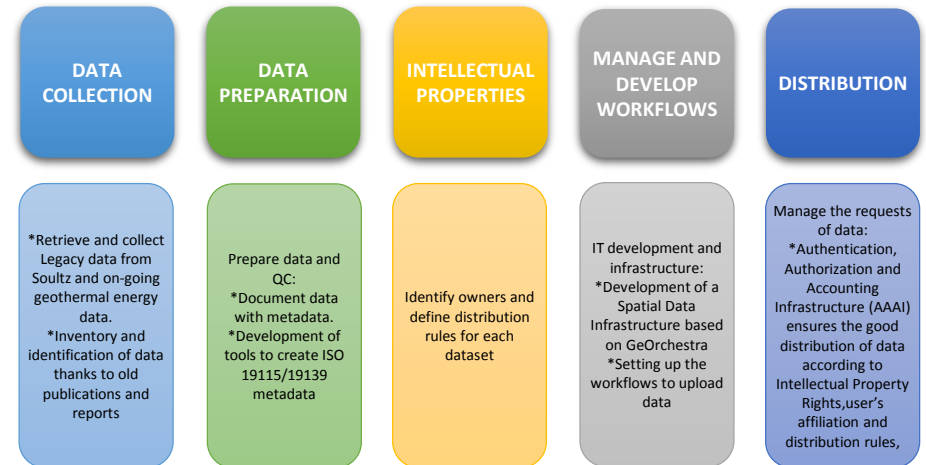


## CDGP : The data Center of deep Geothermal energy in Alsace



The CDGP (Centre de Données de Géothermie Profonde, deep geothermal data center, <https://cdgp.u-strasbg.fr/>) has been set up by the LabEx G-EAU-THERMIE PROFONDE (<http://labex-geothermie.unistra.fr/>) since 2012 to preserve, archive and diffuse data acquired on the geothermal sites of the Upper Rhine Graben (and possibly elsewhere). It is a local node for the EPOS Anthropic Hazards platform (<https://www.epos-ip.org/tcs/anthropogenic-hazards>).

### Main actions of CDGP



## What are the data on the platform?

The high-quality collected data, first originate from the Soultz-sous-Forêts pilot plan, cover the whole life of geothermal projects, from exploration to drilling, stimulation and circulation phases. They mainly consist of seismological data – seismological waveforms and seismicity catalogs – and hydraulic data such as injected volumes, wellhead and downhole pressure, flowrates and temperatures that have been acquired during stimulation or circulation phases. The data are gathered into “episodes”, i.e. time-correlated collections of geophysical, technological and other relevant geo-data over a geothermal area. Other geophysical data such as gravimetric, magnetic, InSAR data will be also included into the datastore in the future.

## How data are distributed ?

Data are distributed through a web platform based on GeOrchestra, a SDI composed of independent and interoperable modules that provides metadata editing, thematic and regional data search functions and enables to extract and visualize maps. An Authentication, Authorization and Accounting Infrastructure (AAAI) ensures the good distribution of data according to Intellectual Property Rights (IPR), user’s affiliation (i.e. academic, industrial, ...) and distribution rules, either automatically or after approval from the data owner. Data are also distributed through the EPOS-TCS-AH platform.

## What is EPOS?

EPOS stands for “European Plate Observing System”. Its aim is to facilitate integrated use of data by sharing data and services that enables people to exploit them. Its main focus is Solid Earth Science with multidisciplinary contributions: Earth scientists, national research infrastructures, Information and Communication Technology experts, decision makers. Its applications are diverse: research, science, training, education, ...

## What is the link between EPOS and CDGP?

The CDGP is a node for EPOS-TCS Anthropogenic Hazards platform that provides an environment and facilities for conducting research onto anthropogenic hazards, especially related to the exploration and exploitation of geo-resources. Access to “episodes” data originating from the CDGP will also be granted via the EPOS-IP Anthropogenic Hazards platform (<https://tcs.ah-epos.eu>).



## Distribution of data: CDGP or EPOS-AH platforms

