

GENERAL INFORMATION	
Parameter name	Shallow geothermal energy systems
Name of the layer in EGD Map Viewer	Shallow geothermal energy systems, Linköping
Original name of the layer in the GeoPackage uploaded to EGD database	PP11_SGU_existing_SGE
Category	Limitation of use
Definition	Installations that enable the use of the energy stored underground in a depth of up to 300 to 400 meters
Harmonized unit	None
Relevance for shallow geothermal energy	Existing shallow geothermal energy installations that enable the use of the energy stored underground in a depth of up to 300 to 400 meters. The location of those installations should be considered before planning the installation of new shallow geothermal systems, to avoid neighbouring effects. Existing installations might indeed restrict the installation of new systems in a given area.
Data type	Discrete labels
Data format	vector: points
Projection	EPSG: 3034
Dataset selected for pilot area	Cardiff, Cork, Brussels, Linköping , Warsaw, Prague, Zaragoza, Aarhus

ATTRIBUTES	
System_type	Discrete data classes based on a joint legend:
1.	Groundwater heat exchanger
2.	Borehole heat exchanger
3.	Other shallow geothermal energy system
0.	No information available
System_type_URI	Link to definitions, e.g., INSPIRE, project vocabulary, etc.
linkdataurl	Link to data or additional information about the data; e.g., Link to national database (text)
remark	Free text for additional information (text)
repositoryurl	Link to this factsheet (text)

DATA SOURCE	
Pilot area	Linköping
Data source	https://www.sgu.se/produkter/geologiska-data/vara-data-per-amnesomrade/grundvattendata/brunnar/
Contact data owner	sgu@sgu.se
Last Update	2020-08-20

Explanatory text English

The data set include c. 4000 wells which all are defined as wells used as SGEs in the national well archive at the geological survey. There is no further classification regarding open or closed loop systems. However, our judgement is that they data set almost exclusively refers to closed loop systems in the bedrock.

These data are available at:

<https://www.sgu.se/produkter/geologiska-data/vara-data-per-amnesomrade/grundvattendata/brunnar/>

These data can be viewed in an online web application here:

<https://apps.sgu.se/kartvisare/kartvisare-brunnar.html>

Explanatory text national language

Language

Swedish

Utdrag ur SGUs brunnsdatabas där användningen angetts som energibrunn. Däremot anges inte om det rör sig om grundvattensystem eller bergvärmeanläggningar med kollektorer. Bedömningen är att merparten av brunnarna utgörs av bergvärmeanläggningar. Inom Linköpings kommun finns ca 4000 anläggningar.

Man kan få data från den här websidan:

<https://www.sgu.se/produkter/geologiska-data/vara-data-per-amnesomrade/grundvattendata/brunnar/>

Man kan visuella data på SGU:s kartvisare här:

<https://apps.sgu.se/kartvisare/kartvisare-brunnar.html>