

GENERAL INFORMATION	
Parameter name	Groundwater body suitable for open-loop systems
Name of layer	PP07_GSI_GW_body
Category	Resources for open-loop systems
Definition	Distinct volume of groundwater within an aquifer or system of aquifers, which is hydraulically isolated from nearby groundwater bodies and provides enough yield with suitable temperatures for open-loop systems (groundwater heat exchangers) with and/or without thermal storage.
Harmonized unit	none
Relevance for shallow geothermal energy	Extent of groundwater bodies suitable for the installation of open loop systems.
Data type	Discrete labels
Data format	vector: polygon
Projection	EPSG: 3034
Color	Preferred color for each class: 1 – blue 2 – dark red 3 – magenta
Dataset selected for pilot area	Bratislava, Vienna, Girona, Ljubljana, Cardiff, Brussels, Cork Zaragoza

ATTRIBUTES	
class	Discrete data classes based on a joint legend:
1.	groundwater body suitable for open-loop systems without storage
2.	groundwater body suitable for aquifer thermal energy storage
3.	groundwater body suitable for open-loop systems with and without storage
class_URI	Definitions of the attributes, e.g., INSPIRE, project vocabulary, etc.
linkdataurl	Link to data or additional information about the data, e.g., link to national databases (text)
remark	Free text for additional information (text)
repositoryurl	Link to this factsheet (text)

DATA SOURCE	
Pilot area	Cork
Data source	https://www.gsi.ie/en-ie/data-and-maps/Pages/Groundwater.aspx#Aquifers
Contact data owner	taly.hunterwilliams@gsi.ie
Last Update	15/06/2020

Explanatory text English

Groundwater bodies suitable for open-loop systems. The dataset presented here displays the outline of aquifers suitable for open loop systems in the Cork City pilot area. Data are derived from the Geological Survey Ireland's bedrock aquifers and sand and gravel aquifers datasets, as well as information on existing open loop systems from surveys, local authorities and other state bodies, consultants, and academia.

DISCLAIMER

The Geological Survey Ireland makes no representations, warranties, or undertakings about any of the information provided on these maps including, without limitation, their accuracy, their completeness or their quality or fitness for any particular purpose.

Data coordinate reference system reprojected from EPSG:2157 – IRENET 95 / Irish Transverse Mercator to EPSG:3034 - ETRS89-extended / LCC Europe.