

GENERAL INFORMATION	
Parameter name	Critical chemical composition of groundwater
Name of the layer in EGD Map Viewer	Critical chemical composition of groundwater, Bratislava
Original name of the layer uploaded to EGD database	PP14_SGIDS_gwchemistry
Category	Limitation of use
Definition	Groundwater zones of problematic chemistry related to shallow geothermal energy
Harmonized unit	none
Relevance for shallow geothermal energy	Polygons defining zones inside groundwater bodies or groundwater bodies potentially leading to operational problems for shallow geothermal energy use due to a critical chemical composition.
Data type	Discrete labels
Data format	vector: polygons
Projection	EPSG: 3034
Dataset selected for pilot area	Ljubljana, Vienna, Bratislava , Cork, Zaragoza, Cardiff (TBC), Glasgow (TBC)

ATTRIBUTES	
Chemical_Risk_Type	Discrete data classes based on a joint legend:
1.	no chemical risk
2.	risk of manganese and iron scaling
3.	risk of carbonate scaling
4.	risk of metal corrosion
5.	risk of concrete corrosion
6.	multiple risks
7.	lack of chemical analysis of groundwater
8.	Undetermined
Chemical_Risk_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 databases (text)
remark	Free text for additional information (text)
repositoryurl	Link to this factsheet (text)

DATA SOURCE	
Pilot area	Bratislava
Data source	Map of problematic groundwater chemistry, GeoPLASMA-CE project output https://portal.geoplasma-ce.eu/webgis/bratislava
Contact data owner	jaromir.svasta@geology.sk
Last Update	24.10.2018

Explanatory text English

Outline of regions with problematic chemistry (e.g., with low oxygen content, corrosive, or posing a risk of scaling)

Explanatory text national language

Language	Slovak
Územia s výskytom podzemných vôd s problematickým chemickým zložením (napr. s nízkym obsahom kyslíka, agresívne alebo spôsobujúce inkrustáciu)	