

GENERAL INFORMATION	
Parameter name	Hydraulic conductivity
Name of the layer in EGD Map Viewer	Hydraulic conductivity of a karst aquifer, Cork
Original name of the layer uploaded to EGD database	PP07_GSI_hydraulic_cond_karst-aquifer
Category	Resources for open-loop systems
Definition	Hydraulic conductivity measures how easily a fluid can move through the voids in a material
Harmonized unit	none
Relevance for shallow geothermal energy	Interpolated or modelled hydraulic conductivity of a groundwater body suitable for the use of shallow geothermal energy
Data type	Continuous data layer
Data format	raster
Projection	EPSG: 3034
Dataset selected for pilot area	Cork, Zaragoza

ATTRIBUTES	
Unit	m/s

DATA SOURCE	
Pilot area	Cork
Data source	Please, contact the data owner for more information.
Contact data owner	taly.hunterwilliams@gsi.ie
Last Update	04/03/2021

Explanatory text English
<p>Hydraulic conductivity. This dataset displays hydraulic conductivity for the karst limestone aquifers in the pilot area which are potentially suitable for shallow geothermal energy. The data are derived from academia and the Geological Survey Ireland's aquifer parameters database. Representative bulk values have been assigned to aquifers due to a lack of available field and pumping test data.</p> <p>DISCLAIMER</p> <p>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.</p> <p>Please contact the data owner for more information.</p> <p>Data coordinate reference system reprojected from EPSG:2157 – IRENET 95 / Irish Transverse Mercator to EPSG:3034 - ETRS89-extended / LCC Europe.</p>