GENERAL INFORMATION	
Parameter name	**Land surface temperature**
Name of the layer in EGDI Map Viewer	Land surface temperature, Cork
Original name of the layer in the GeoPackage uploaded to EGDI database	PP07_GSI_land_surface_temp
Category	Resources for closed-loop systems
Definition	Temperature of the land surface on the top canopy layer
Harmonized unit	°C
Relevance for shallow geothermal energy	Mean annual surface temperature derived from infrared satellite data. If available, these datasets are calibrated and validated by soil temperature measurements.
Data type	Continuous data layer
Data format	raster
Projection	EPSG: 3034
Dataset selected for pilot area	Bratislava, Vienna, Zagreb, Prague, **Cork**, Linköping, Ljubljana, Brussels, Girona

ATTRIBUTES	
Unit	°C

DATA SOURCE	
Pilot area	Cork
Data source	Derived from EuroLST MODIS LST dataset "BIO1 and air temperature measurements from Met Éireann stations".
Contact data owner	taly.hunterwilliams@gsi.ie
Last Update	22/04/2021

Explanatory text English
Land surface temperature. This dataset displays land surface temperature for the Cork pilot area. The data are derived from two sources: (1) EuroLST MODIS LST dataset "BIO1", which represents mean annual surface temperature from 2000 to 2013; and (2) air temperature measurements from Met Éireann stations for the period 2011 to 2020. 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 EPSG:3034 - ETRS89-extended / LCC Europe. Please contact the data owner for more information. The following URLs can also be used for more information regarding the source data from which the land surface temperature dataset is derived: EuroLST: https://www.geodati.fmach.it/eurolst.html

Met Éireann: https://www.met.ie/climate/available-data/historical-data