## GENERAL INFORMATION

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|---|---|
| **Parameter name** | **Land surface temperature** |
| **Name of the layer in EGDI Map Viewer** | Land surface temperature, Bratislava |
| **Original name of the layer uploaded to EGDI database** | PP14_SGIDS_land_suface_temp.tif |
| **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

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|---|---|
| **Pilot area** | Bratislava |
| **Data source** | EuroLST product of FEM-DBEM based on gap-free daily MODIS LST (Product of NASA) maps |
| **Contact data owner** | luca.delucchi@fmach.it |
| **Last Update** | 2014 |

| **Explanatory text English** |
|---|
| MODIS Land Surface Temperature Dataset.<br>http://www.geodati.fmach.it/eurolst.html<br>The dataset extends over Slovakia and partly over Austria due to a presence of transboundary aquifers. |

| **Explanatory text national language** | |
|---|---|
| Language | Slovak |
| Dataset MODIS - teplota povrchu zeme.<br>http://www.geodati.fmach.it/eurolst.html<br>Kvôli výskytu cezhraničných zvodnencov sa dataset rozprestiera na území dvoch štátov, Slovenska a Rakúska. | |