

GENERAL INFORMATION	
Parameter name	Net aquifer thickness
Name of the layer in EGD Map Viewer	Net thickness of the Neogene aquifer, Girona
Original name of the layer uploaded to EGD database	PP03_ICGC_aquifer_thickness_neog
Category	Resources for open-loop systems
Definition	Water saturated thickness of a groundwater body
Harmonized unit	meters
Relevance for shallow geothermal energy	Thickness of groundwater bodies relevant for shallow geothermal energy installations
Data type	Continuous data layer
Data format	raster
Projection	EPSG: 3034
Dataset selected for pilot area	Cardiff, Cork, Aarhus, Zaragoza, Girona

ATTRIBUTES	
Unit	m

DATA SOURCE	
Pilot area	Urban area of Girona city (Catalonia, NE Spain)
Data source	3D geothermal model of Girona-Salt urban area (ICGC, 2020) https://www.icgc.cat/es/Innovacion/Proyectos-I-D-i/MUSE-GeoERA
Contact data owner	geotermia@icgc.cat
Last Update	January 2021

Explanatory text English
Raster dataset which represents the total thickness of the Neogene aquifer within the pilot area (unsaturated and saturated zone). Neogene sediments are associated with alluvial fan deposits and are characterised by clay, sand and gravel in different proportions and consolidation degree. This layer comes from the 3D geological model developed by the ICGC in the framework of the MUSE project. It is based on the available ICGC geological maps at different working scales (1: 5.000 to 1: 25.000), lithological columns extracted from geotechnical drills and wells and on geophysical data interpretation.

Explanatory text national language	
Language	Catalan
Capa en format raster que representa el gruix total de l'aquífer neogen dins la zona pilot (zona no saturada i zona saturada). Els sediments neògens s'associen a dipòsits de ventalls al·luvials i es caracteritzen per argiles, sorres i graves en diferents proporcions i grau de consolidació. Aquesta	

capa d'informació prové del model geològic en 3D elaborat per l'ICGC en el marc del projecte MUSE. Està basada en les cartografies geològiques disponibles de l'ICGC a diferents escales de treball (1:5.000 a 1:25.000), columnes litològiques extretes de sondeigs geotècnics i pous d'aigua i en la interpretació de dades geofísiques.