

Geological and geothermal conditions for geothermal electricity in Slovenia

Dušan Rajver, Andrej Lapanje

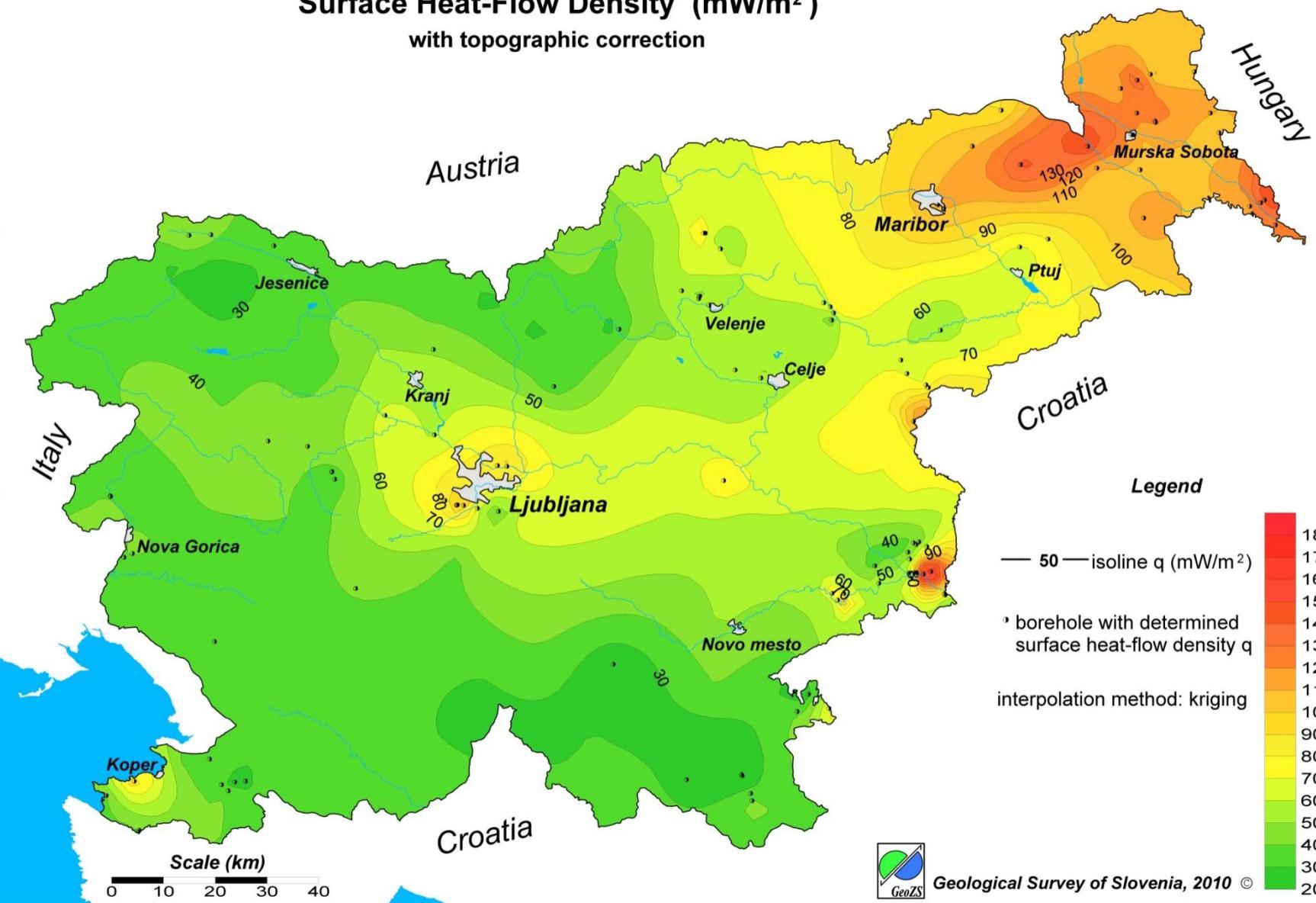


**Geological
Survey of
Slovenia**

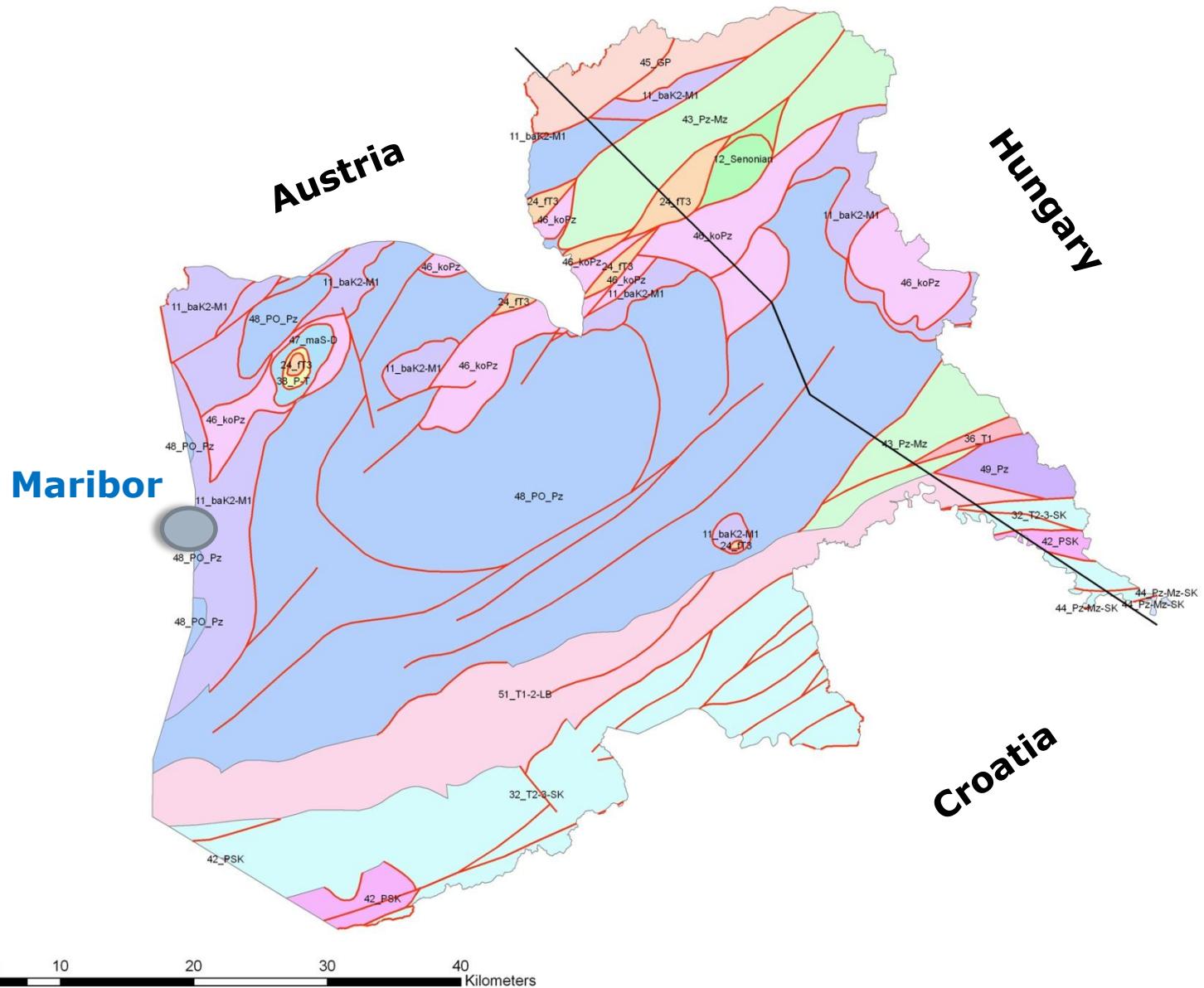
**GEOELEC workshop, Milano, Italy,
December 05, 2011**

Surface Heat-Flow Density

Surface Heat-Flow Density (mW/m^2)
with topographic correction

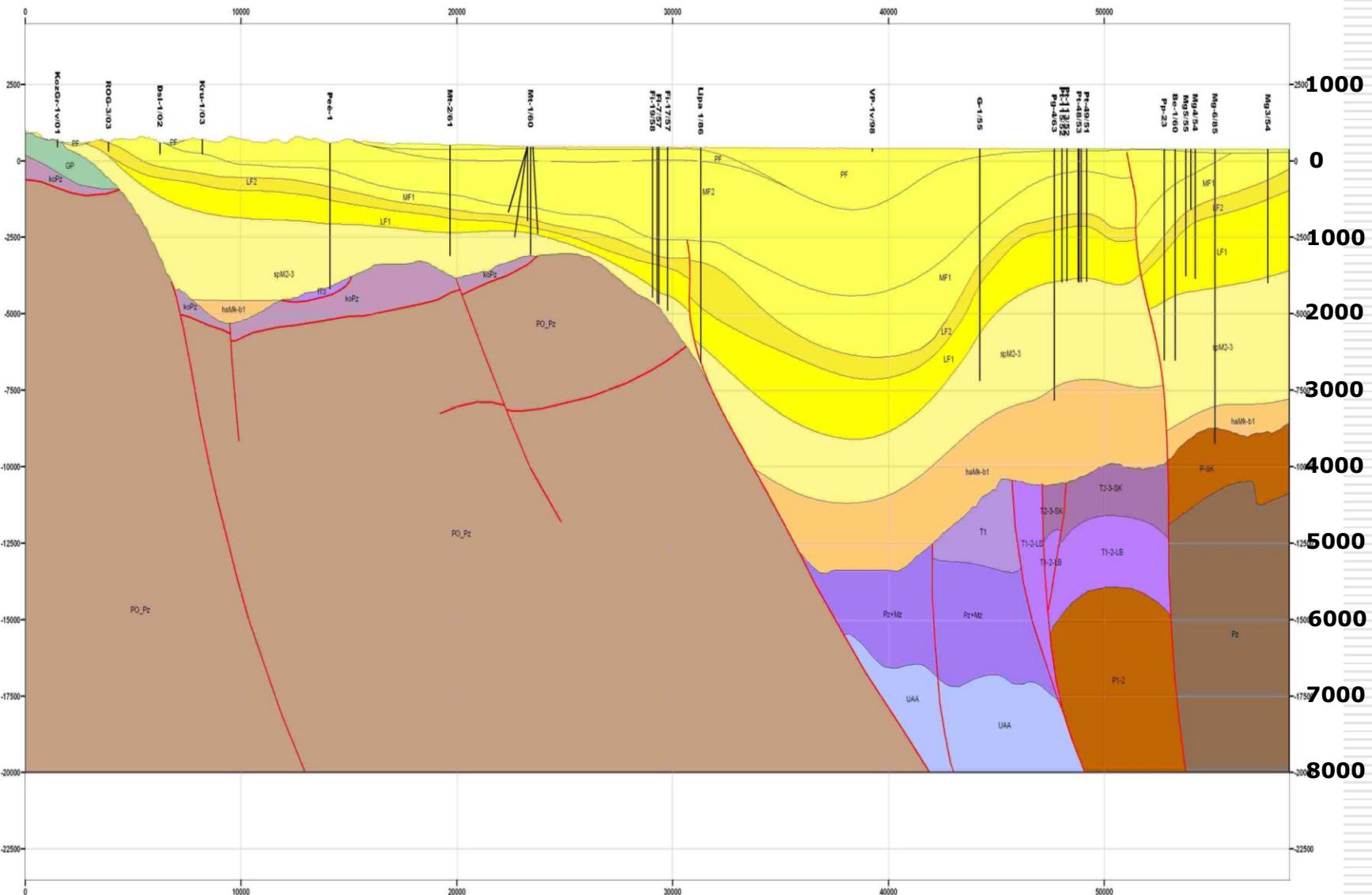


Geological map of the PreTertiary basement in NE Slovenia

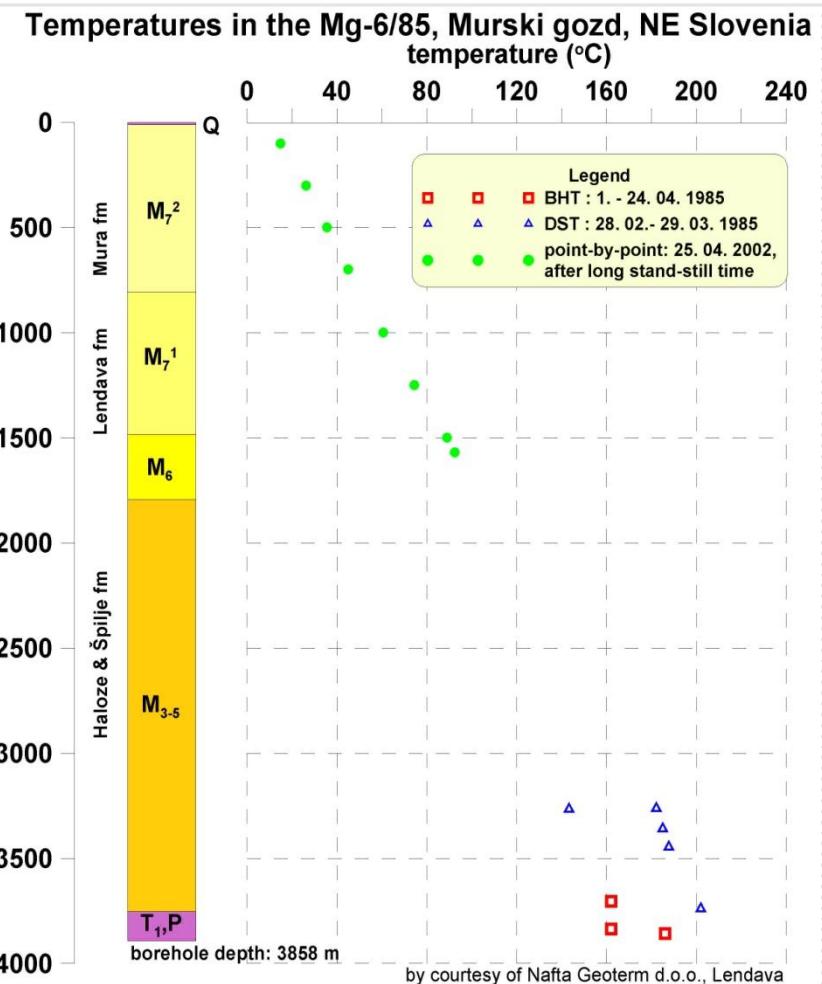
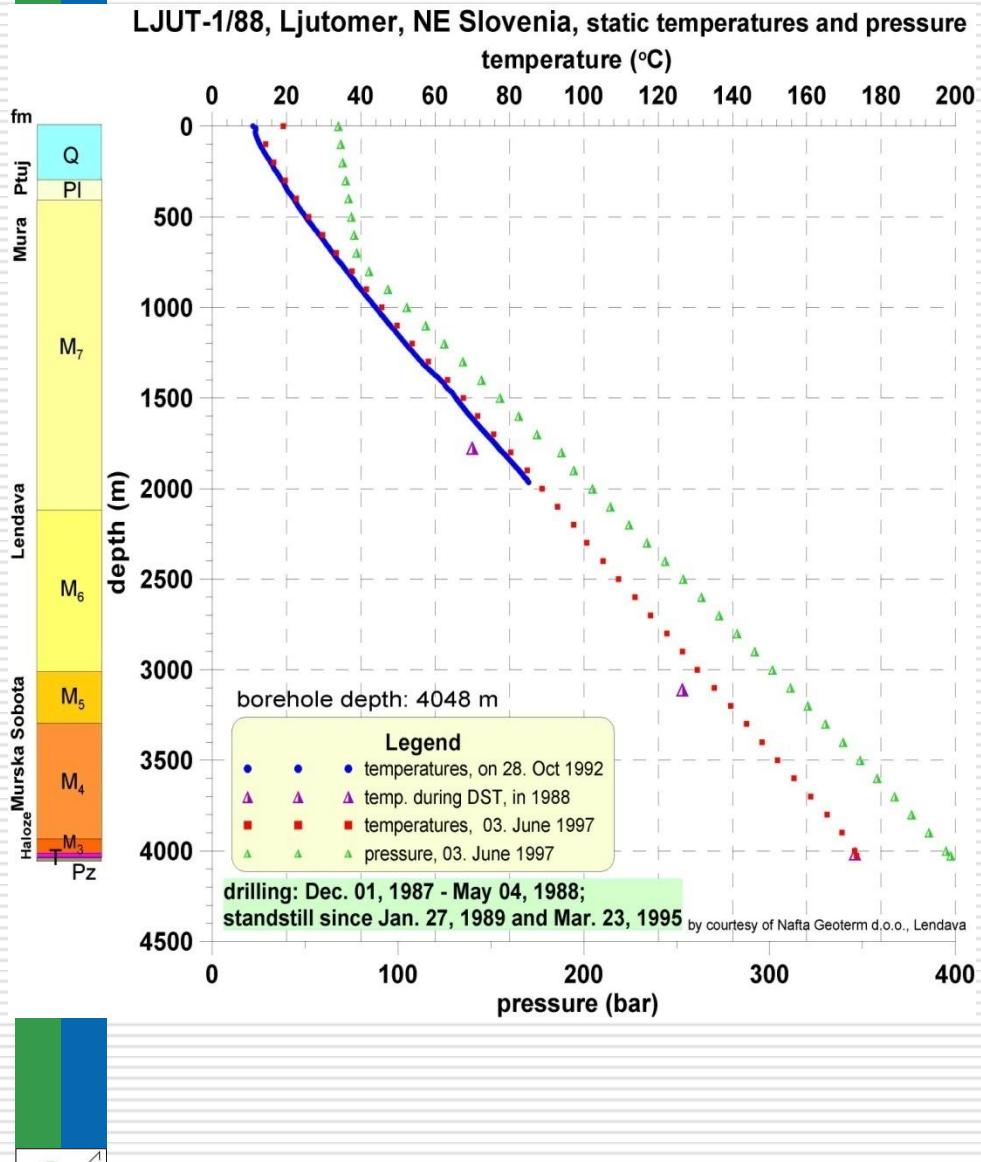


Geological cross-section Očinje-Murski gozd (NW-SE) in NE Slovenia

Geological cross-section 9, Ocinje - Murski Gozd; M = 1:100 000, vertical exaggeration: 2.5

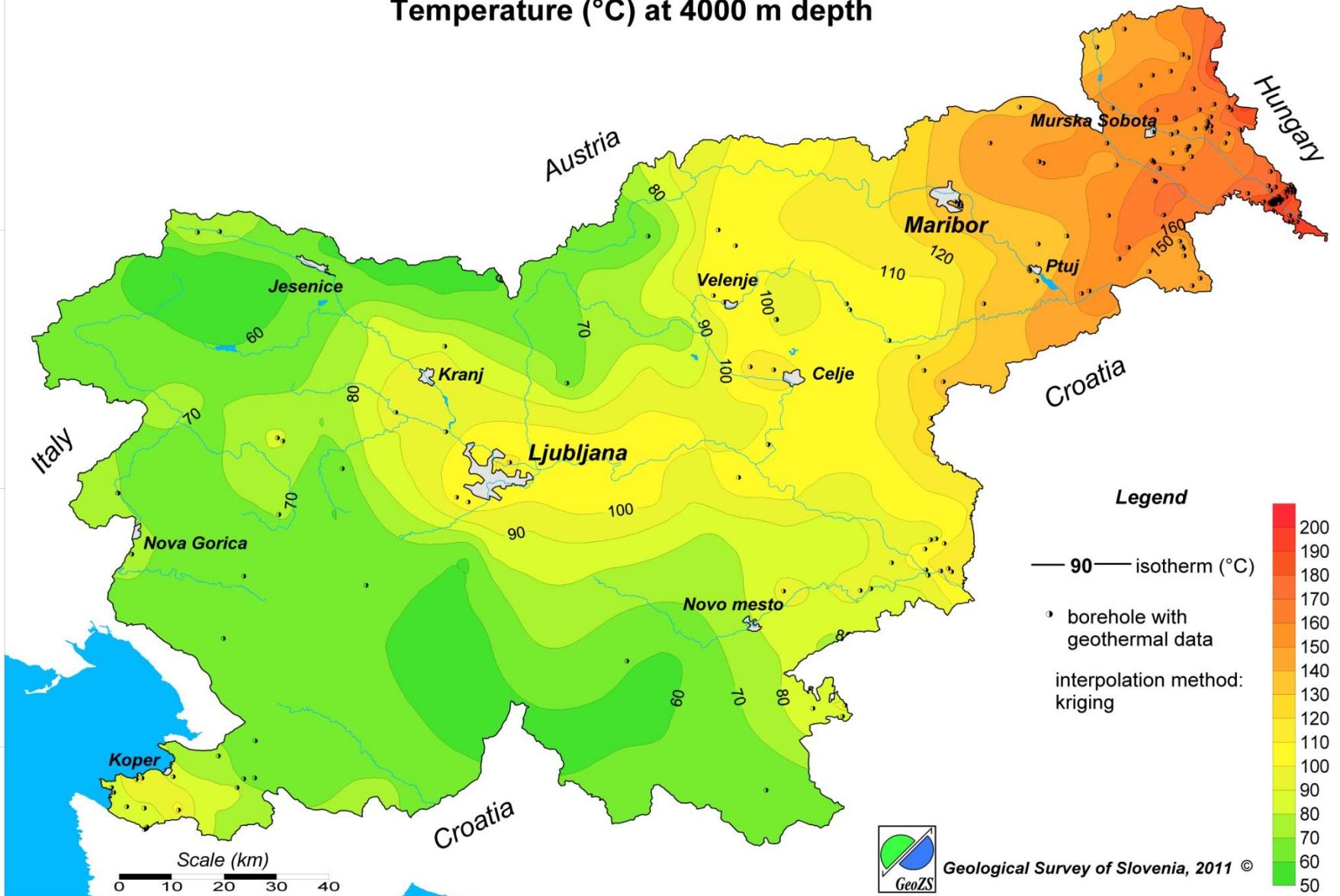


Examples of deep temperature measurements



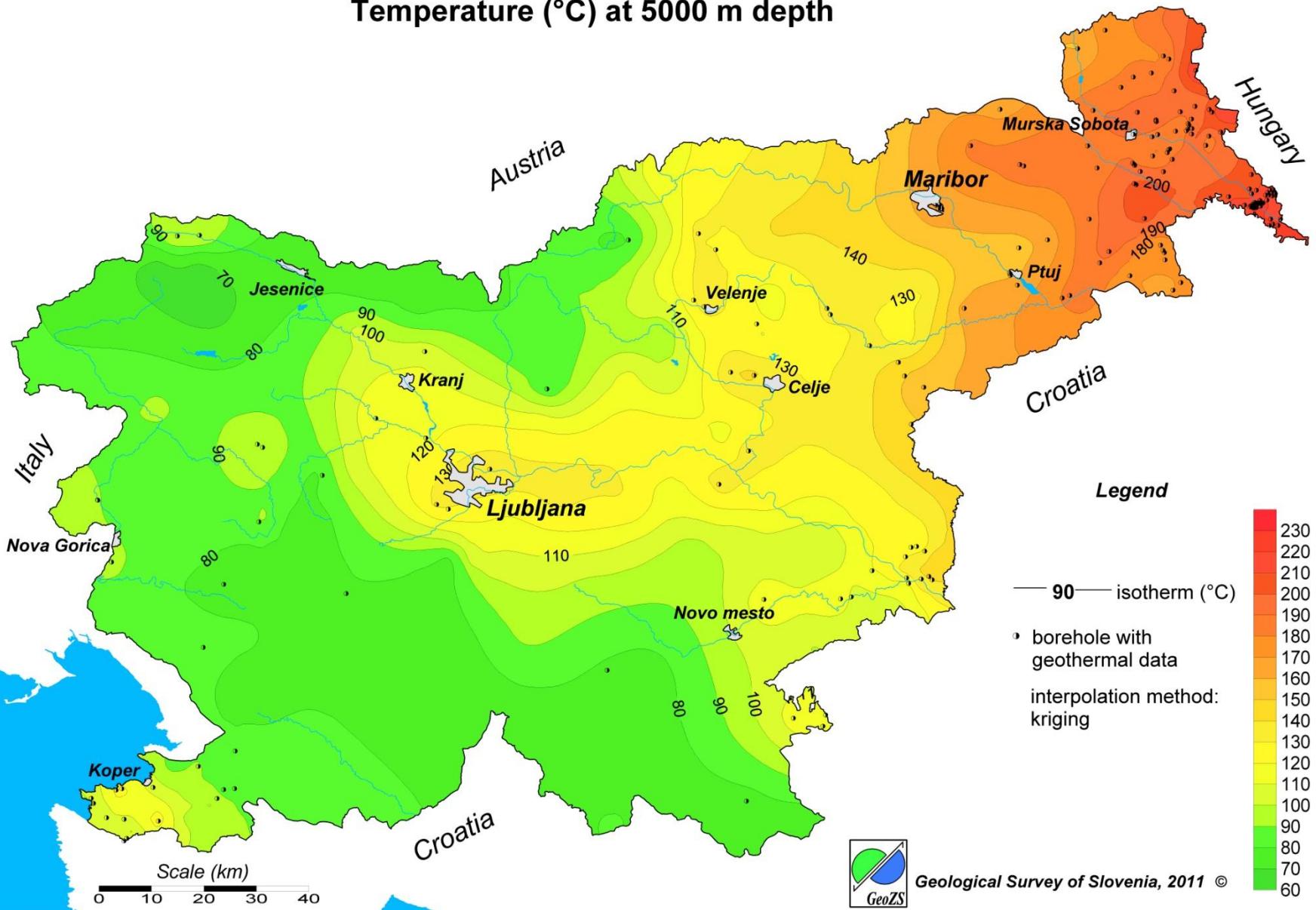
Expected temperatures at 4000 m depth

Temperature (°C) at 4000 m depth



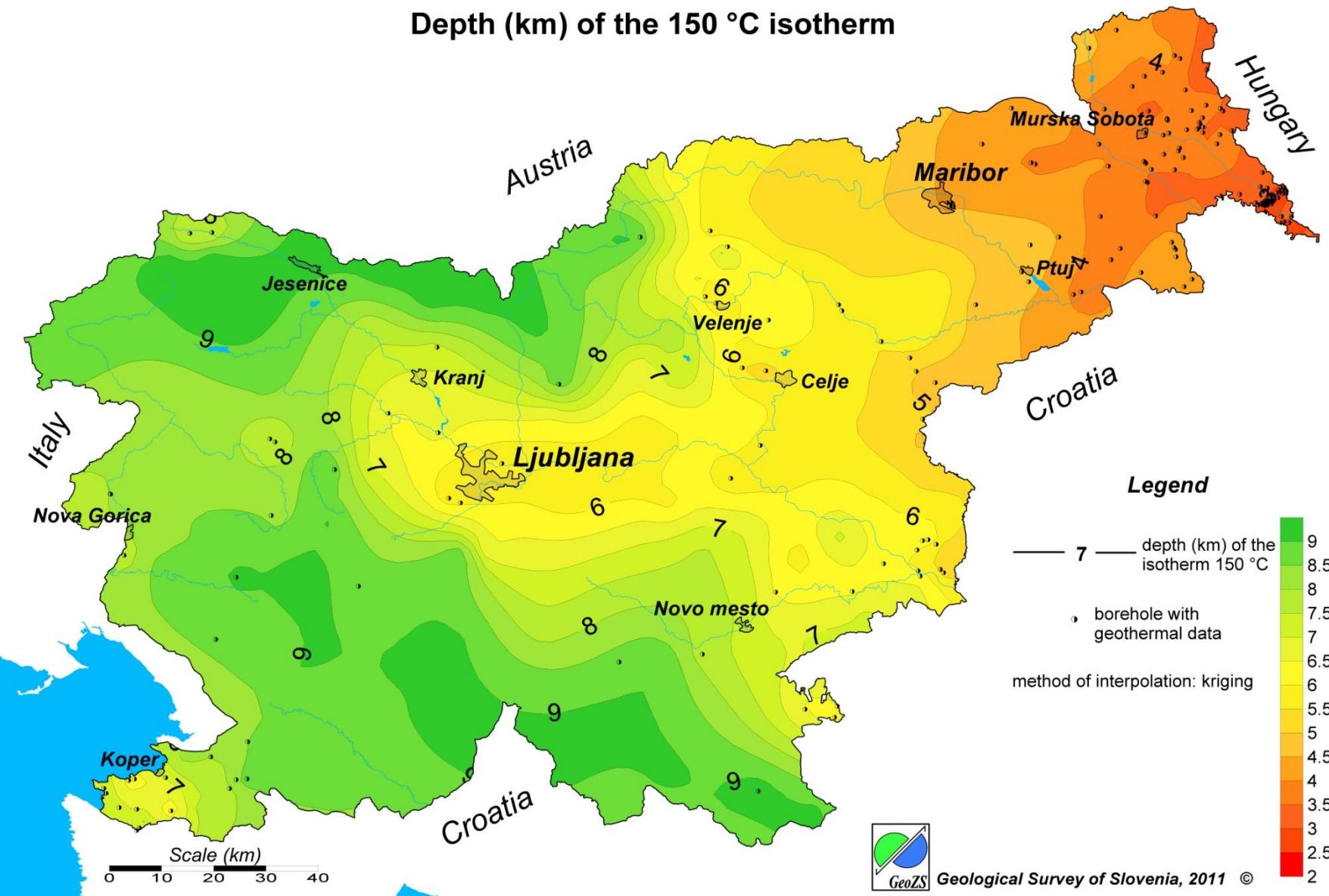
Expected temperatures at 5000 m depth

Temperature (°C) at 5000 m depth



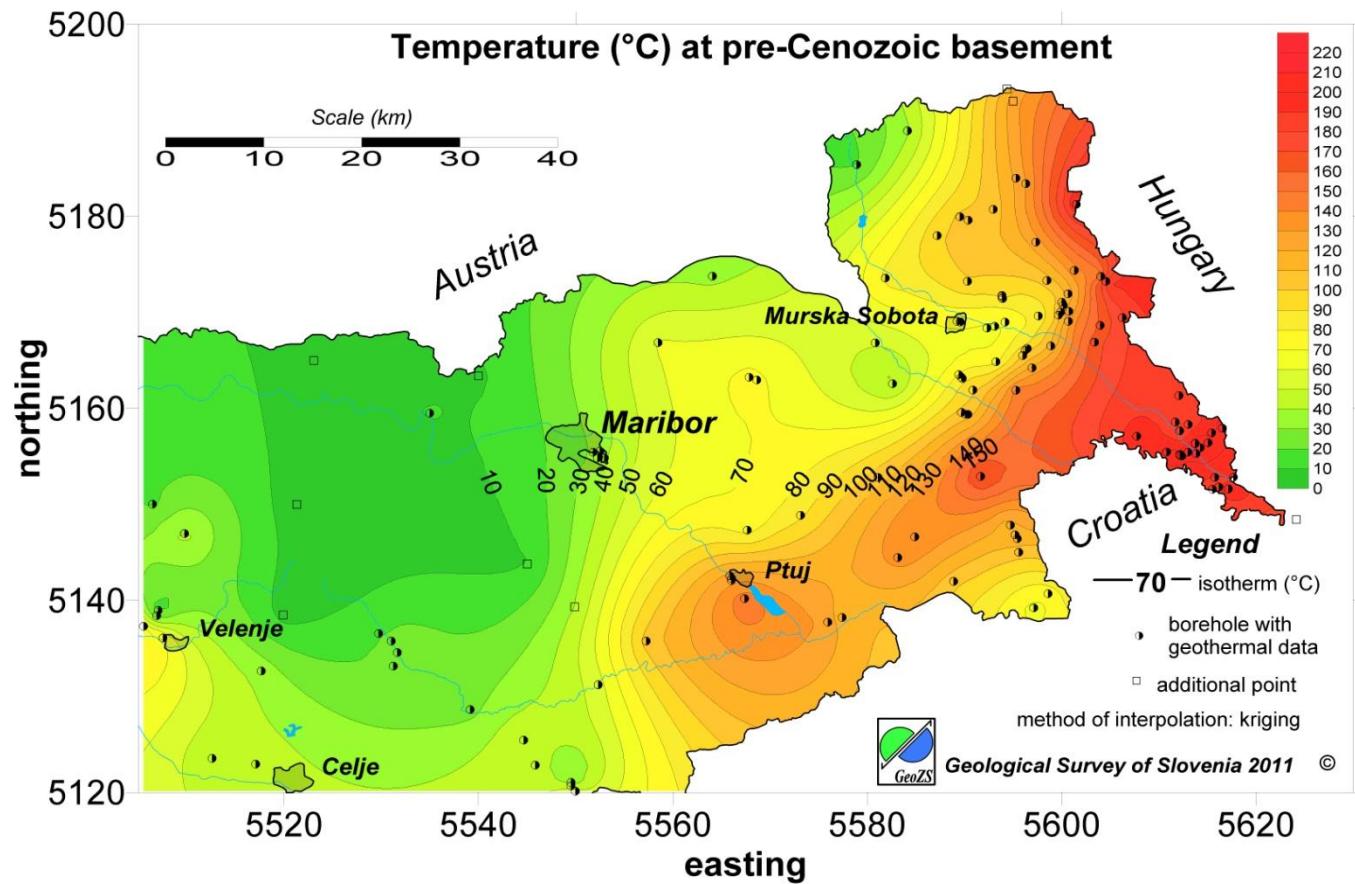
Depth (km) of the 150 °C isotherm in Slovenia

Depth (km) of the 150 °C isotherm

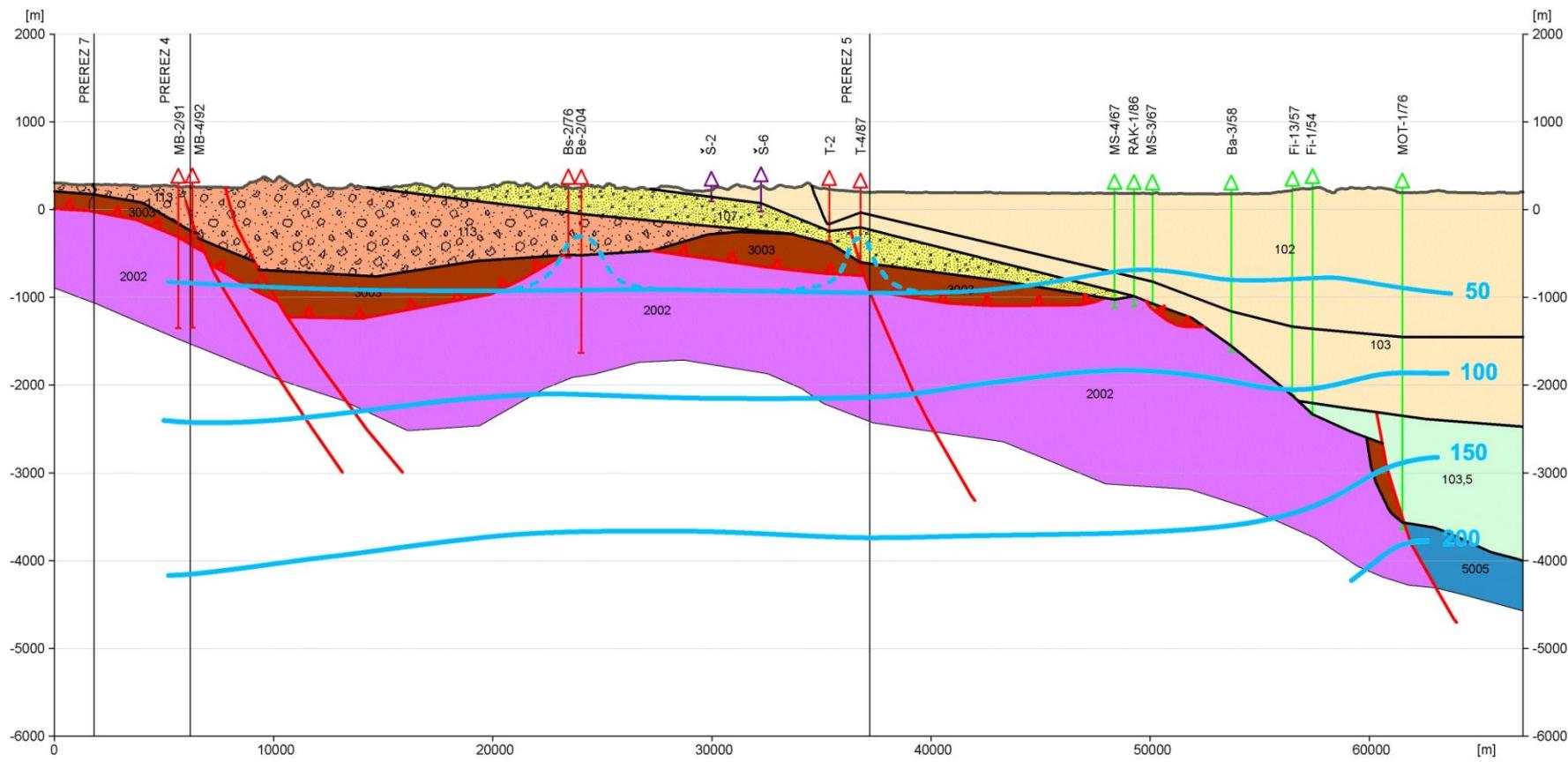


Geological Survey of Slovenia, 2011 ©

Temperatures on top of the PreTertiary basement in NE Slovenia



Geological cross-section (Maribor-Motvarjevci-Hungary) in NE Slovenia

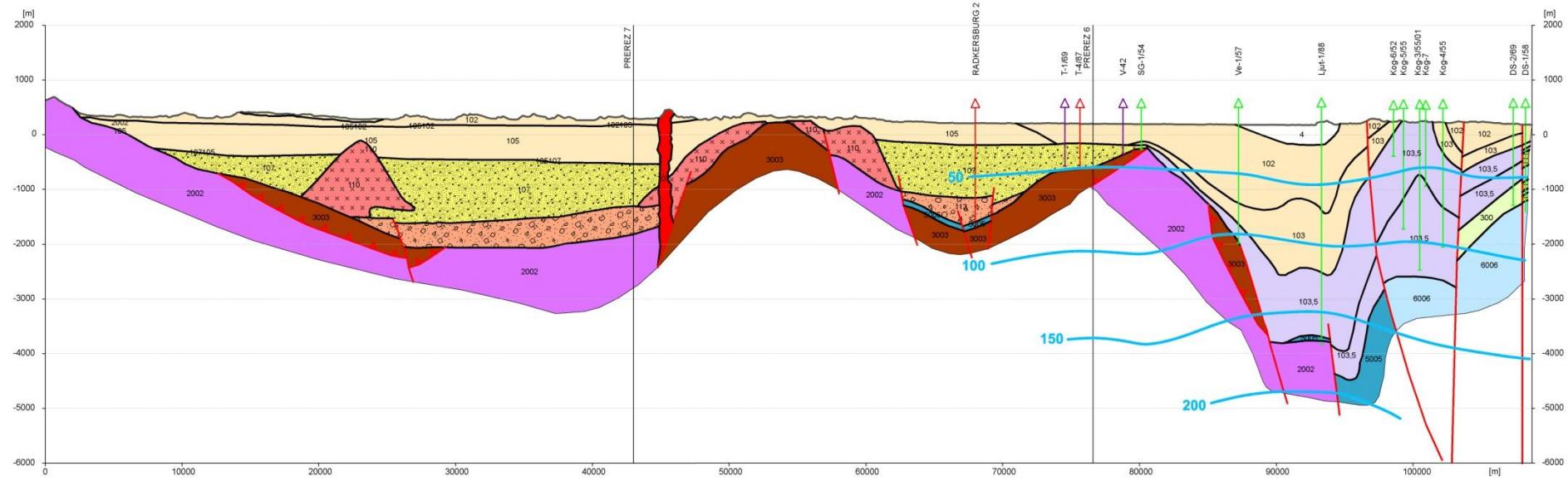


Geothermal Power Plant in Slovenia – now or in (near) future?

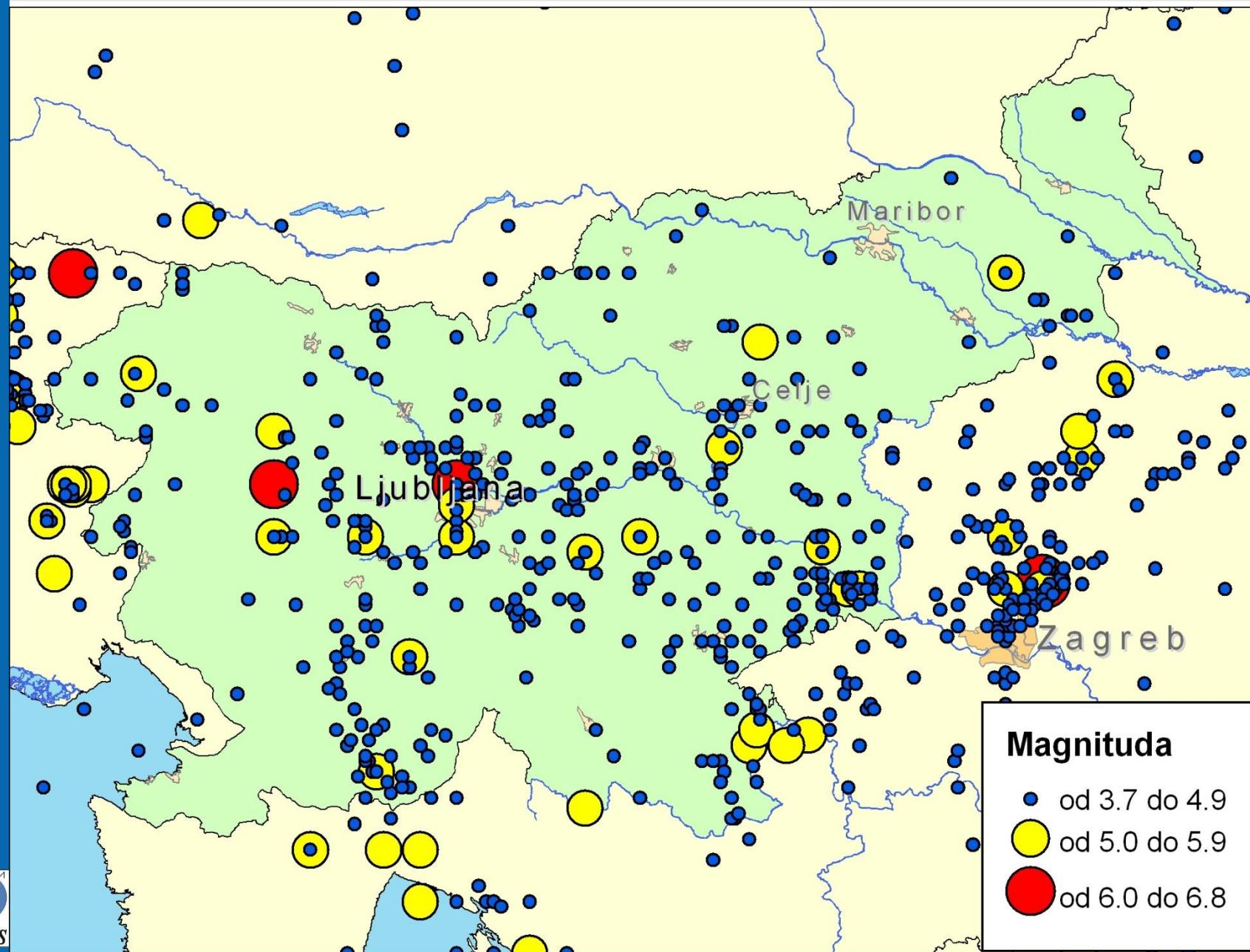


Thank you for your kind attention

Geological cross-section (Bad Radkersburg-Dravsko Središće-Croatia)in Slovenia

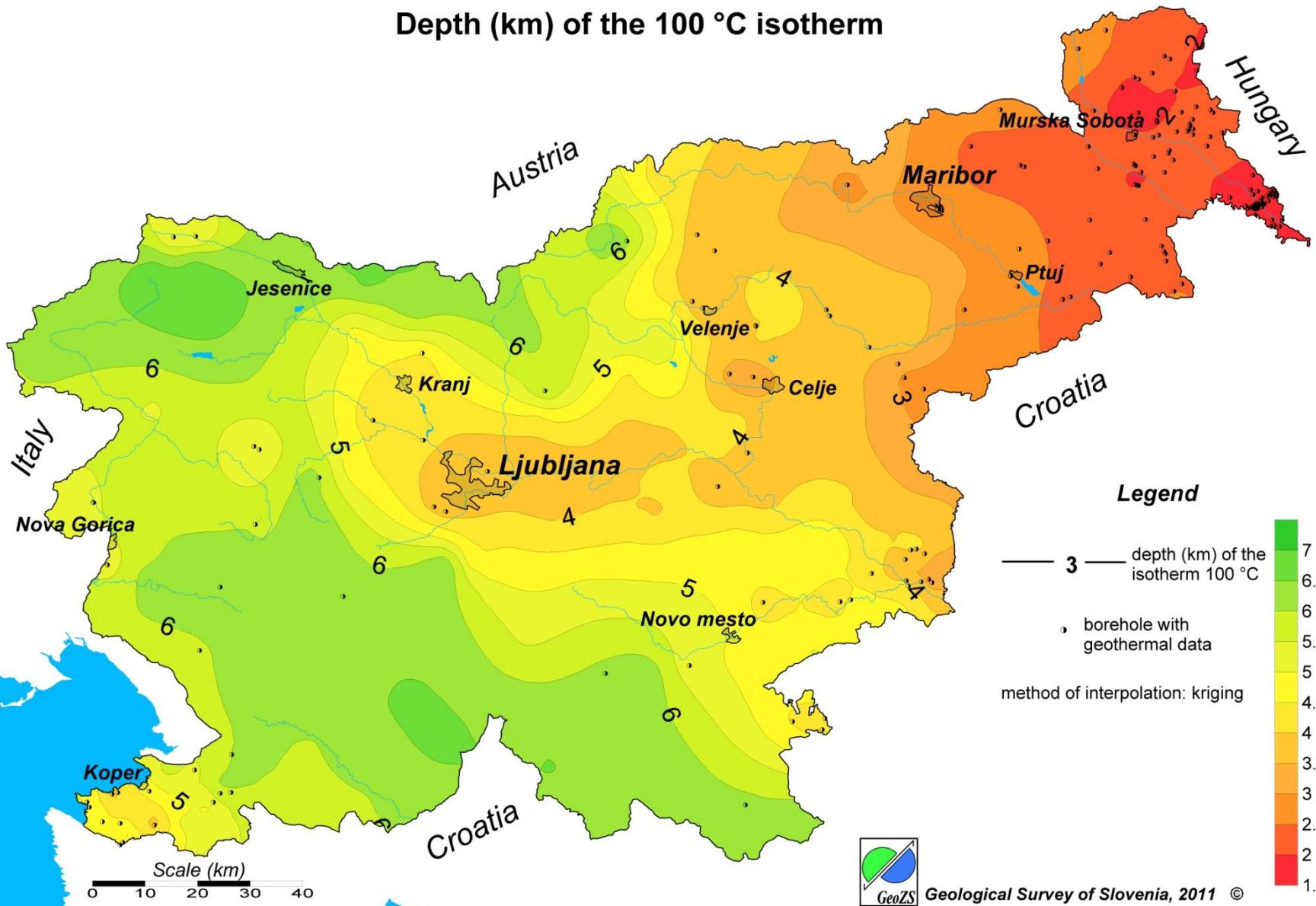


Map of earthquake magnitudes in Slovenia since 567 AD (ARSO, 2007)



Depth (km) of the 100 °C isotherm in Slovenia

Depth (km) of the 100 °C isotherm



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