



Seismic monitoring of the Laa a. d. Thaya– Pasohlávky border region of Austria and Czech Republic.

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The Laa a. d. Thaya– Pasohlávky region on the Austrian-Czech border is known for the balneological use of thermal water. These water resources might have significant potential for future touristic as well as energetic uses.

An important factor when it comes to the development of geothermal resources is the evaluation of the present seismic activity of the regional geothermal structures and possible related risks such as induced seismicity or groundwater protection.

We will achieve this by a) assessing of the regional seismic activity up until 2017 from archive data and b) instrumental monitoring of small natural seismic activities for the period of the project 2018-2020. Therefore a network of additional seismic stations is deployed in the area. A joined catalog of registered/localized on the basis of a national bulletin for Austria and Czech Republic will be created.