

# KICK-OFF MEETING

*project ATCZ167*

**„Hydrothermal potential of the region  
(HTPO)“**

**General overview, main objectives  
of the project**

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**PřF MU, Kotlářská 2**

# Hydrothermal potential of the area Laa-Pasohlávky

## **INTERREG project, according to the chapter 2c:**

Support of innovation technologies concerning environmental protection, waste management, energetic potential and efficiency, water management, prevention of atmospheric pollution in the cross border region.

## **The project investigators are:**

Faculty of Science, MU Brno, CR

GBA Österreich

ZAMG Österreich

## **The strategic partners (users of the results) are:**

Ministerstvo životního prostředí ČR

660 - Odbor geologie

Vršovická 1442/65

Praha 10, 100 10

Amt der Niederösterreichischen Landesregierung

a) Baudirektion - Abteilung Hydrologie und Geoinformation

b) Baudirektion - Geologischer Dienst

Landhausplatz 1

3109 St. Pölten

## The project comprise of two following general topics:

T – 1 – scientific; T - 2 practical

### **T.1 - The geoscientific model of the thermal water appearance in the area Laa-Pasohlavky – coordinator Masaryk University**

**T.1.1** The general geological model of the thermal water appearance in the area

*T.1.1.1 Geological and hydrogeological maps of the thermal water appearance in the region*

*T.1.1.2 Geothermal maps of the thermal water appearance in the region*

*T.1.1.3 Multi language explanation to the maps*

**T.1.2** Overview about the Historical seismicity in the area Laa-Pasohlavky

*T.1.2.1 Evidence of historical earthquakes*

**T.1.3** The characteristic of the recent seismic activity in the area Laa – Pasohlávky

*T.1.3.1 Joint catalogue of recent earthquakes*

*T.1.3.2 Assessment of the earthquakes potential*

**T.1.4** The dynamic model of the thermal water resources in the area L-P

*T 1.4.1 International databases of the use of the thermal waters in the region*

*T 1.4.2 Technical characteristic of the use of the thermal waters*

*T 1.4.3 Balance of the thermal waters*

**T.1.5** Arrangements to support spreading of the project results

## **T.2 Suggestions to the further steps concerning usage of the thermal waters in the cross border region. Coordinator: GBA**

**T.2.1** Catalogue of the common strategies and actions for the sustainable and efficient utilization of the thermal water resources. Legal base for the thermal water exploitation in the border area CR-AT

*T.2.1.1 Overview about the existing legal and economic experiences in the region of interest*

*T.2.1.2 Overview about the relevant international agreements*

**T.2.2** Common strategies for the sustainable development and management of the thermal waters in the region

*T.2.2.1 SWOT analysis of the thermal waters usage*

*T.2.2.2 Evaluation of the existing resources and their economical potential*

*T.2.2.3 Evaluation of the potential hazards for the environment connected with the thermal waters exploitation*

*T.2.2.4 Joint strategy for the thermal waters usage and management*

**T.2.3** Arrangements for the implementations of the joint strategies

*T.2.3.1 Catalogue of the technical and institutional arrangements for the joint usage of the thermal waters*

*T.2.3.2 Catalogue of the administrative and legal arrangements for the joint usage of the thermal waters*

**T.2.4** Transfer of knowledge's and transfer of the results

*T.2.4.1 Training courses and workshops*

*T.2.4.2 Guidebook for the sustainable and economical exploitation of the thermal waters in the cross-border region*