

PREFACE

*This volume represents most of the technical presentations of the third workshop of the **Working Group on Hardrock Hydrogeology of the Bohemian Massif** held 28th – 30th October 1998 in Windisch-Eschenbach, Germany.*

According to the structure of the workshop this volume is subdivided into the following topics:

- 1. Hydrogeological properties of rocks, hydraulic parameters*
- 2. Ground water resources and ground water protection*
- 3. Hydrogeochemistry, thermal and mineral waters*
- 4. Investigation and interpolation methods*

The rocks of the Bohemian Massif were consolidated during the variscan orogeny and form a geological platform. It covers large parts of the Czech Republic, Germany, Austria and Poland. This region forms a uniform region with similar hydrogeological conditions and problems. Because of this reason a regional working group was formed during the first workshop held in Rohanov, Czech Republic in October 1994. In the conclusions of the workshop the objectives of the working group on hardrock hydrogeology of the Bohemian Massif were listed as follows:

- Stimulation of bilateral and multilateral co-operation and joint projects*
- Co-ordination of research activities and exchange of research results*
- Formulation of research topics*
- Organisation of comparative field and laboratory measurements*
- Convening of workshops every two years in alternating locations*
- Selection of „high priority research topics“ to be addressed during the next workshop*
- Stimulation of publication of results*

These topics again were addressed during the second workshop at Borowice, Poland in Sept. 1996. For both former workshops the papers presented were published by the organisers (Acta Universitatis Carolinae – Geologica Vol. 40 No. 2, 1996 and Acta Universitatis Wratislaviensis No. 2052, 1997) and reveal the extensive research that is executed by hydrogeologists in the area.

The location was selected at the site of the KTB (Continental Deep Borehole) which 1994 reached a final depth of 9101 meters. Now this site serves as a deep observatory and a museum connected with a small conference centre. The results of the borehole had given a new spotlight on the hydraulic and hydrochemical conditions in the deeper zones of the earth's crust. Thus the site gives an excellent opportunity to discuss the new developments in hard rock hydrogeology.

I would like to recognise the effort of Ralph Annau and Steffen Bender, who put their heart into producing this volume and preparing the workshop. I also want to express my appreciation and thanks to the local organiser, Hans-Albert Dahlheim from the Geo-Centre Windisch-Eschenbach.

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