

## PREFACE

The Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, in collaboration with the Department of Geodesy and Photogrammetry, Agricultural University of Wrocław, organized the 5<sup>th</sup> Czech – Polish Workshop on *Recent Geodynamics of the Sudeten and Adjacent Areas* in Ramzová (Czech Republic) on October 23 – 25, 2003. The workshop was held under the auspices of the Czech Centre for Earth Dynamic Research, the Grant Agency of the Czech Republic, the Section of Geodynamics of the Committee of Geodesy, Polish Academy of Sciences, and the Section of Satellite Geodesy and Geodynamics, Academy of Engineering in Poland. Fifty participants from twenty-five Czech, Polish and Slovak research institutions and universities attended the Workshop. The scientific programme of the 5<sup>th</sup> Workshop proceeded topics of four previous Workshops organized in 1998, 2000, 2001 and 2002 (special issues of *Exploration Geophysics, Remote Sensing and Environment* 6, No. 2, 1999, *Reports on Geodesy* 53, No. 7, 2000, and *Acta Montana, Series A*, No. 20(124), 2002 and No. 24(131), 2003).

Contributions were focused on topics concerning the recent mobility of the Sudeten and adjacent geological units. From the regional viewpoint the Sudeten area includes the Krkonoše Mts., the Orlické hory Mts., the Rychlebské hory Mts., the Kralický Sněžník Mts., the Hrubý and Nízký Jeseník Mts., the Dražanská Lowland and their Foredeeps.

The field session was included into the programme. The following places were visited: the Zlaté Hory seismic station (operated by the Institute of Geonics, Academy of Sciences of the Czech Republic), the permanent GPS observatory BISK and the “Na Špičáku” cave with two extensimeters (both operated by the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic), the Maria Hilf – Our Lady, Help of Christmas pilgrimage site and the medieval gold-mills in Olešnice.

The 5<sup>th</sup> Workshop on *Recent Geodynamics of the Sudeten and Adjacent Areas* was of benefit to a community of geologists, geophysicists and geodesists for a unique presentation of recent geodynamic concepts and for a fruitful exchange of knowledge. Even if many of them had an interdisciplinary character, topics were directed mostly to the following items:

- structural and tectonic investigations,
- instrumental observations and
- interpretations.

The 5<sup>th</sup> Workshop gave a good opportunity to present new results of all geodetic and geodynamic projects realized under national and/or international co-operations. A total of thirty-three papers were presented. This special issue of the journal *Acta geodynamica et geomaterialia* contains eighteen papers.

The organizers wish to express their satisfaction that the 5<sup>th</sup> Workshop met with a great response among geo-scientists being interested in this area. Their warm thanks go to all participants of the Workshop and to all authors, who submitted their contributions for a presentation in this way. Particular thanks are due to the Institute of Rock Structure and Mechanics, Academy of Sciences of the Czech Republic, for printing this special issue of the journal *Acta geodynamica et geomaterialia*. The supports granted by the Grant Agency of the Czech Republic, research project No. 205/01/0480, and by the Ministry of Education, Youth and Sport of the Czech Republic, project LN00A005 Centre for Earth Dynamic Research, are highly appreciated and acknowledged.

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