

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 7th Czech-Polish Workshop on Recent Geodynamics of the Sudeten and Adjacent Areas on November 2 – 5, 2005. The workshop was held under the auspices of the Czech Centre for Earth Dynamic Research. Fifty-five participants from twenty-four Czech, Polish and Slovak research institutions and universities attended the Workshop. The scientific programme of the 7th Workshop proceeded topics of six previous Workshops organized in 1998, 2000, 2001, 2002, 2003 and 2004. Most of papers presented during above mentioned Workshops were published in the following special issues: *Exploration Geophysics, Remote Sensing and Environment* 6 (2), 1999; *Reports on Geodesy* 53 (7), 2000; *Acta Montana, Series A*, No. 20(124), 2002 and No. 24(131), 2003; *Acta Geodynamica et Geomaterialia* (formerly *Acta Montana, Series A*) 1, No. 3(135), 2004 and 2, No. 3(139), 2005).

Contributions were focused on topics concerning the recent mobility of the Sudeten structure and adjacent geological units. From the regional viewpoint the Sudeten area includes the Krkonoše Mts., Orlické hory Mts., the Hrubý and Nízký Jeseník Mts., the Dražanská Lowland and their Foredeeps. Besides the papers concerning this area, others, mainly methodological papers and interpretation studies were presented. The contribution topics were directed to the following items:

- regional nappe tectonics of Silesicum and Lugicum
- earthquakes and their focal dynamic studies
- GPS data processing of permanent and epoch measurements
- regional and global geodynamics
- gravimetric and other geophysical measurements and interpretations
- structural and tectonic investigations
- application and investigations in other fields

The field session was mainly devoted to the nappe tectonics of Silesicum and Lugicum, especially to the character of the Ramzová tectonic zone. Visits of the Branná, the Velké Vrbno graphite and the Konstantin quarries, the 4th basic levelling point in Vlaské and the point of the Czech gravity network in Branná were included in it. The field session was terminated in the brewery HOLBA in Hanušovice.

A total of thirty-four papers were presented during the 7th Workshop and sixteen of them are published in this issue. Delivered contributions allowed to exchange of knowledge among a broad community of geologists, geophysicists and geodesists and to obtain an interdisciplinary view on the problems.

The organizers were appreciated a great interest of geoscientists in the 7th Workshop. Their warm thanks go to all participants, to all authors, who submitted their contributions to *Acta Geodynamica et Geomaterialia*, and to all reviewers. Particular thanks are due to the Institute of Rock Structure and Mechanics for printing this special issue. The support of the Section of the Geodynamics of the Committee of Geodesy, Polish Academy of Sciences, and the Ministry of Education, Youth and Sport of the Czech Republic (Centre for Earth Dynamic Research, Project LC506 and the Project of Central European Initiatives 1P05ME781) are highly appreciated and acknowledged.

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Editors of this special issue