

2nd International Conference “Alpine-Petrol’2012”
25–28 September 2012, Kraków (Poland)

Geology, Ecology and Petroleum Prospectives of the Carpathians and other Alpine regions in Europe

Foreword

Faculty of Geology, Geophysics and Environmental Protection of the AGH University of Science and Technology in Kraków in co-operation with the Polish Oil and Gas Company (PGNiG S.A.), the Society of Research on Environmental Changes “Geosphere” in Kraków and the Sanok Branch of the Scientific Association of the Oil and Gas Industry Engineers and Technicians is organizing the **2nd International Conference “Alpine-Petrol’2012”** on **“Geology, Ecology and Petroleum Prospectives of the Carpathians and other Alpine regions in Europe”** to be held in Kraków between September 25–28, 2012.

Kraków, with its outstanding historical monuments and unique atmosphere, is the former capital of Poland and was the seat of Polish Kings in the Royal Castle on the Wawel Hill. It is a scientific center, with more than 10 universities. The Jagiellonian University, founded in 1364, is one of the oldest in Europe. Kraków is known for its scientific heritage and experience in the organization of international conferences and seminars. This old Gothic, Renaissance and Art Nouveau city, with its architectural and cultural monuments, and museums is on the UNESCO list of World Heritage Sites. Kraków is also an excellent base for tourist and geological excursions in the Carpathian Mts, mainly in the Tatra Mountains which are their highest mountain range. The Tatra Mts form a natural border between Slovakia (highest peak Gerlach at 2655 m) and Poland (highest peak Rysy at 2499 m).

The Faculty of Geology, Geophysics and Environmental Protection of the AGH University of Science and Technology in Kraków and the Society of Research on Environmental Changes “Geosphere” in Kraków organize cyclic International Conferences on “Geology, Ecology and Petroleum Prospectives” every second year. The 1st International Conference “Baltic-Petrol 2010” on “Geology, Ecology and Petroleum Prospectives in Baltic region” was held on September 28–October 1, 2010 in Gdańsk. Thematic-regular issue of *Geological Quarterly* (2010, v. 54, No. 2) entitled “Geology, ecology and petroleum of the Lower Paleozoic strata in the Polish part of the Baltic region” contains 13 papers and was edited for this Conference.

The Conference “Alpine-Petrol’2012” is organized under the auspices of Hon. WALDEMAR PAWLAK — Polish Deputy Prime Minister and Minister of Economy, Hon. BARBARA KUDRYCKA — Minister of Science and Higher Education, Hon. PIOTR WOŹNIAK — Undersecretary of State, Chief State Geologist, Ministry of Environment and Hon. GRAŻYNA PIOTROWSKA-OLIWA — CEO and President of the Management Board of Polish Oil and Gas Company.

The primary goal of the Conference is presenting the most recent advances in petroleum and regional geology of the Eurasian Alpine system from the Pyrenees and the Alps through to the Carpathians and the Dinarides to Zagros Mts, with special reference to geoecology and origin, occurrence, exploration, production and resources of oil and gas as well as their economic and environmental aspects.



The Wawel Royal Castle in Kraków
Photo by J.F. Kotarba

Eight thematic sessions will include 35 oral presentations: (i) Petroleum System (3), (ii) Shale Gas (4), (iii) Petroleum Modelling (4), (iv) Petroleum Geochemistry (5), (v) Lithostratigraphy and Depositional Environments (6), (vi) Structural Geology (5), (vii) Petroleum Exploration and Production (5) and (viii) Hydrogeology (4).

Moreover, 16 posters will be presented in the Poster Session.

A thematic-regular issue of *GEOLOGICA CARPATHICA* (2012, v. 63, No. 4) was edited for the purpose of the Conference. *GEOLOGICA CARPATHICA* is the official journal of the Carpathian-Balkan Geological Association published by Geological Institute of the Slovak Academy of Science, Bratislava, in cooperation with Co-publishers (PIG Warsaw and IG-ASCR Prague).

The volume contains 7 papers presented during the Conference:

1. **A.K. Tokarski, A. Świerczewska, W. Zuchiewicz, D. Starek & L. Fodor:** Quaternary exhumation of the Carpathians: a record from the Orava-Nowy Targ Intramontane Basin, Western Carpathians (Poland and Slovakia);
2. **M. Oszczytko-Clowes, D. Lelek & N. Oszczytko:** Sarmatian paleoecological environment of the Machów Formation based on the quantitative nannofossil analysis — a case study from the Sokołów area (Polish Carpathian Foredeep);
3. **J. Gusterhuber, I. Dunkl, R. Hinsch, H.-G. Linzer & R.F. Sachsenhofer:** Neogene uplift and erosion in the Alpine Foreland Basin (Upper Austria and Salzburg);
4. **M.J. Kotarba:** Origin of natural gases in the Paleozoic-Mesozoic basement of the Polish Carpathian Foredeep;
5. **P. Kosakowski, D. Więclaw, A. Kowalski & Y.V. Koltun:** Assessment of hydrocarbon potential of Jurassic and Cretaceous source rocks in the Tarnogród-Stryi area (SE Poland and W Ukraine);
6. **P. Kosakowski & M. Wróbel:** Burial history, thermal history and hydrocarbon generation modelling of the Jurassic source rocks in the basement of the Polish Carpathian Foredeep and Outer Carpathians (SE Poland);
7. **J. Nowak, D.N. Chau & L. Rajchel:** Natural radioactive nuclides in the thermal waters of the Polish Inner Carpathians.

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Maciej J. Kotarba
Chairman of Conference “Alpine-Petrol’2012”



The panoramic view of the Tatra Mts
Photo by J. Vozár