

# The 3<sup>rd</sup> International Geosciences Student Conference *Geosciences and Environment*

29 May - 1 June 2012, Belgrade, Serbia

- REPORT -

The 3<sup>rd</sup> International Geosciences Student Conference (3IGSC) *Geosciences and Environment*, preceded by the 3<sup>rd</sup> International Professionals Conference, was held on 29-31 May, in Hotel *Continental*, Belgrade, Serbia ([www.3igsc.com](http://www.3igsc.com)). The Conference was organized by the *Association of Geophysicists and Environmentalists of Serbia (AGES)* and its two *SEG/AAPG/EAGE Student chapters*. This event was the 3<sup>rd</sup> one in a roll, following the 1<sup>st</sup> and 2<sup>nd</sup>, held in Bucharest, Romania, 2010 and in Krakow, Poland, last July.

The Conference is continuation of the activities performed by *SEG, EAGE, EnERG* and *AGES* in domain of promotion Geosciences and Environmental Sciences at the high international level. By this annual event, students were invited to present their contributions, but also to learn from the world-known experts in domain of Geo- and Environmental Sciences – through the lectures, short courses and Workshops.

Co-organizers and supporters of the Conference were leading international societies in domain of Geosciences: *EAGE, SEG, ASEG, AAPG, CO2GeoNet, CGS Europe* and *EnERG*, as well as *CEI*. Significant support was obtained by: *Congress Bureau of Serbia, Congress Bureau of Belgrade, Jaroslav Černi Institute* and the *City of Belgrade*.

The objective of this Conference was to promote Geosciences, Environment, Networking, Student mobility and International Cooperation. Also, objectives of the Conference were to gather 150-200 students from all over the Europe (and wider) with their oral and poster presentations, to provide them Distinguished Lecturers for special topics, Technical exhibition, Job Center and to promote *Geosciences* through social events, interesting field trips and sightseeing. The primary Business Goal was to continue to establish a professional, sustainable student event in the Eastern Europe promoting professional and personal network building opportunities that is student administered and Society supported.

For the first time, topics of the Technical Program were not oriented only to Geosciences, but also to the Environment. Among sessions dedicated to Energy, Economy & Environment, attention of the students was directed to climate, environment and sustainable energy. All aspects of CC mitigation and adaptation were discussed, but also energy efficiency, renewable energy sources, as well as sustainable development and environment protection. MDG were the topic, as well as Gender issue, Problem of employability in the Green Sector, and others.

Within the Technical Program, **94 papers** were presented as oral or poster presentations, in several sessions: *Physics of the Earth's Interior, Near-surface geophysics, Geo-energy, Medical Geology* and other issues related to the environment, *Climate changes and energy*, as well as *Other topics (Geobiology, Geoheritage, Geothics, etc.)*. Special session was dedicated to *Geoheritage of Serbia*, where students from the *Faculty of Ecology and Environmental Sciences, Union-Nikola Tesla University* in Belgrade presented their contributions.

The best papers (two oral and two poster) were awarded by AGES (supported by Nick Riley and Koya Suto as *Commission for papers/presentations evaluation*):

1. **Agata Bejnarowicz**: *Petrographic analysis of the limestone reefs of upper Permian (Zechstein) on the example of selected natural gas deposits (Wolsztyn Rigde, Poland)*
2. **Attila Balazs, Agnes Kiraly, Agnes Boger**: *Evidence of magmatic bodies under the Lake Balaton*
3. **Malgorzata Drwila**: *Geodynamic processes which affect Earth's rotation and position of Earth's figure axis*
4. **Miroslava Zubalova, Peter Kolarovic**: *Conversion of gas reservoir to underground gas storage (UGS) – 3D structural and petrophysical model*

The following lectures were presented during the Students Conference:

- **Nick Riley** (CO2GeoNet/CGS Europe) – *Underground carbon dioxide storage: opportunities & challenges*
- **Koya Suto** (Australian SEG President-Elect) – *A hitchhiker's guide to geophysics*
- **Ian Jones** (SEG 2012 Europe Honorary Lecturer) – *From Imaging to Inversion*
- **István VETŐ** (EAGE Student Lectures Tour) – *Shale gas perspectives*
- **Alla Shogenova** (ENeRG) – *Mineral carbonation technology value for environment and mitigation of climate change*
- **Jelena Manić** (Belgrade Open School, Centre for Career Guidance and Counseling): *Career development in modern context*
- **Milos Ivačković** (Mountain Rescue Service): *Reaching the summit from a treehouse to the Himalayas*

Two courses were also held:

- **Dan Herold** (Executive VP, Parallel Geoscience Corp.) – *Practical Seismic Data Processing* (two-days course)
- **Nenad Grubin, Ana Dasović** (Rio Tinto): *Research of the borate-lithium deposit at Jadar Basin - Careers with Rio Tinto*

Beside the lectures and courses, side-event programs were also performed:

- **MyGeoDay** (exhibition *How to preserve the Planet?*, with posters made by kids from kindergartens, but also pupils of elementary and secondary schools from Serbia – three best contributions at each age level were awarded by AGES),

- **SEG/ExxonMobil Students Education Program (SEP)** (27 May – 1 June): 26 students from FSU (24) and Serbia (2) participated.

*SEG/AGES European Geo Quiz (Challenge Bowl)* was organized and the winning team (two students from Germany) will participate in the *CB Final* at *SEG Annual Meeting* in Las Vegas (this November).

Also, **Technical Exhibition** was organized, where the students had nice opportunity to meet famous exhibitors – international companies producing equipment or software, as well as energy companies, publishers, societies, recruiting companies, etc.: *CGS Europe, EnERG, CO2GeoNet, AGES, EAGE, AAPG, SEG, Exxon Mobil, NIS, Total, Prospectiuni, Rio Tinto, Iris Instruments, DMT, Parallel Geosciences, Maxeler and Geometrics.*

Various social events (including *Icebreaker Reception* and *Gala Party*) were directed to students networking, promoting strengthening ties between them, encouraging to be active in R&D, but also to be interested in mobility and knowledge exchange.

A field-trip was organized on the June 1 - travelling through SW Serbia, Zlatibor mountain region, where students conducted some geological research in very old geological formations and enjoyed in beautiful sightseeing and geoheritage, but also visited the *Wooden town Mecavnik.*

Finally, **244 students coming from 46 universities from all over the world**, participated in the *Students Conference.*