



## 2016 Annual Report of the Slovak National IAH Chapter

Members of the Slovak National Chapter of the International Association of Hydrogeologists are working closely within the framework of the national association of professional hydrogeologists – the Slovak Association of Hydrogeologists (Slovenská Asociácia Hydrogeológov – SAH), a non-governmental legal body acting as civic association according to applicable Slovak laws. All Slovak National IAH Chapter are SAH members, however, the national Chapter is counting 9 members while there are 154 members of SAH in the same moment.

At the end of the 2015, Slovak National IAH Chapter lost one of its members, as Mr. Ján Ostrolúcky, private hydrogeology consultant, left IAH with the start of his retirement. At the same period, Ms. Katarína Pilátová, who started her IAH membership in UK as a PhD student, returned home to join the Chapter members. At the moment, the membership consists from researchers from universities, Water Research Institute and Geological Survey of the Slovak Republic (5) and private consultants (4).

The main Slovak National IAH Chapter activities in 2016 were focused on:

- Active participation of National Chapter members at international and domestic scientific conferences and workshops, including:
  - *5<sup>th</sup> workshop of the “Remediation in Theory and Practice” series, named “Practical experience from surveys, monitoring and risk analysis of the contaminated sites – I”*, co-organized by Slovak Association of Hydrogeologists, Department of Hydrogeology, Faculty of Natural Sciences, Comenius University Bratislava and the EPS Biodegradácie company, held on March 31, 2016 in Bratislava, Slovakia. Slovak National IAH Chapter was represented here by Ms Zlatica Ženišová and Mr Peter Némethy, acting as scientific committee members. Oral presentation on “Hydrocarbons in groundwater and soil” was delivered here by Mr Rudolf Polák, the third Slovak National IAH Chapter member participating on the workshop that was already attended by 85 participants;
  - *EGU GENERAL ASSEMBLY, Vienna, Austria, April 17 – 22, 2016 (European Geoscience Union General Assembly, traditionally organised every spring in Vienna)* with active participation of Ms Miriam Fendeková, Slovak National IAH Chapter member (poster „Response of surface and groundwater on meteorological drought in Topla River catchment, Slovakia“ by M. Fendeková, M. Fendek, D. Vrablíková, L. Blaskovičová, V. Slivová and O. Horvát);
  - *Conference Efficient use of water resources in terms of ongoing climate change (drought and lack of water), organised within the framework of the Slovak EU presidency and Danube Strategy Project in Bratislava (May 17 – 18, 2016)* with active participation of Ms Miriam Fendeková, Slovak National IAH Chapter member, who was chairing the session on Meteorological and Hydrological Drought and gave the lecture on “Hydrological Drought - Current Knowledge and New Challenges For its Research”;
  - *35<sup>th</sup> World Geological Congress, Cape Town, August 29 – September 4, 2016* with active participation of Mr Peter Malík, Slovak National IAH Chapter member, who within the framework of the T4.2 session Climate Change Studies / Climate Change Impact on Global Water Resources gave the presentation “Temporal and spatial changes of effective precipitation and their key role in climate change impact on groundwater in Central Europe” authored also by J. Švasta and M. Gregor;

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- *EUROKARST 2016 Conference (Neuchâtel, September 5 – 10, 2016)* attended by Slovak National IAH Chapter member Mr Peter Malík with “Comparison of mine drainage / karst springs discharge recession curves” presentation, co-authored also by Mr. P. Bajtoš;
- *43<sup>rd</sup> IAH Congress „Groundwater and Society: 60 years of IAH” (Montpellier, September 25 – 30, 2016)* attended also by Mr Peter Malík presenting e-poster on “Oxygen and hydrogen isotopes of different water types present in the Demänovská dolina Valley mountain karst system (Slovakia)” and participating both on the IAH general assembly and the IAH National Chapters’ meeting;
- *18<sup>th</sup> Slovak Hydrogeological Conference, organized by SAH and co-organized by Slovak National Chapter of IAH, held on October 18 – 21, 2016 in Demänovská dolina Valley* under the motto: “Groundwater - variability in perception of one substance in the underground”. Majority of the Slovak National IAH Chapter members (together 5: Ms Z. Ženišová, Ms R. Fláková, Mr P. Némethy, Mr A. Auxt, and Mr P. Malík) participated actively on this conference, with their presentations as well as chairing the sessions and leading the fieldtrips. There were 111 participating persons present at the conference which started with presentation by Mr P. Malík commemorating the 60<sup>th</sup> anniversary of the International Association of Hydrogeologists;
- “Geochemistry” – conference organised by Štátny geologický ústav Dionýza Štúra – Geological Survey of Slovak Republic on November 30 – December 12, 2016 in Bratislava was among another 107 participants actively visited by Ms Z. Ženišová, Ms R. Fláková and Mr P. Malík Slovak National IAH Chapter members;
- *Workshop on Groundwater protection problems, December 6, 2016 at Water Research Institute (Bratislava)* with active participation of Mr P. Némethy and Mr P. Malík, who gave presentation “Distribution of Natural Groundwater Outlets in the Western Carpathians According to the Results Obtained by Basic Hydrogeological Mapping” for 120 participants present on this workshop.

Short summaries of the events were published in the SAH news, No. 45–46, 2016 (<http://sah-podzemnavoda.sk>).

- preparation of the *44<sup>th</sup> IAH Congress “Groundwater Heritage and Sustainability” in Dubrovnik (Croatia)* with active participation of Mr Peter Malík, acting as the Scientific Committee member.

Peter Malík  
Chairman of the Slovak National IAH Chapter

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