



2019 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. From 11 Slovak National IAH Chapter members, 10 were also members of Slovak Association of Hydrogeologists by the end of 2019, while the total number of SAH was 155 members at the same moment.

The number of Slovak National IAH Chapter members in 2019 was the same as in 2018, together eleven members out of which one is registered as retired member, one has suspended membership because of her maternity leave, four are employed in the private sector as consultants and five are in the public sector – institutes and universities. There are 4 on-line members and 5 regular members among those who are not retired or at the maternity leave.

The main Slovak National IAH Chapter activities in 2019 were focused on:

- Active participation of National Chapter members at international and domestic scientific conferences and workshops, including:
 - *8th workshop of the “Remediation in Theory and Practice” series, named “Actual trends in remediation technologies and experiences from surveys and remediation activities at home and abroad”*, co-organized by Slovak Association of Hydrogeologists, Department of Hydrogeology, Faculty of Natural Sciences, Comenius University Bratislava and the EPS Slovensko company, held on April 11, 2019 in Bratislava, Slovakia. Slovak National IAH Chapter was represented here by Ms Renáta Fľaková, Ms Anna Patschová, Mr Vladimír Pramuk, Mr Peter Némethy and Mr Peter Malík. Ms Renáta Fľaková was acting there as the main organizer, Ms Anna Patschová and Mr Vladimír Pramuk were listed as scientific committee members. The workshop was attended by 65 participants;
 - *CEG IAH meeting (Central European Group of International Association of Hydrogeologists meeting)* organized by joint effort of Serbian and Romanian IAH National Chapters in Donji Milanovac and its surroundings in Serbia and Romania was actively attended by Mr Peter Malík presenting lecture on “Microbial water quality indicators monitoring at Buzgó karstic spring in Slovenský kras Mts. (West Carpathians)” and chairing the afternoon session on June 19, 2019;
 - *46th IAH Congress „ Groundwater Management and Governance – Coping with Water Scarcity” (Malaga, September 22 – 27, 2019)* was actively attended by Mr Peter Malík, acting as the Congress Scientific Committee member, and chairperson of one of the sessions of Topic 7 – Karst hydrogeology. Parallel to the main Congress topic, Mr Peter Malík was presenting “Groundwater for water scarcity regions - how to delineate the most necessitous areas? Case study for Slovakia” at Topic 3 – Groundwater sustainability and governance session, and also participating at the IAH general assembly, IAH National Chapters’ meeting and IAH Karst Commission meeting;
 - *5th Slovak Association of Hydrogeologists Field Seminar, organized by SAH and co-organized by Slovak National Chapter of IAH, held on October 16 – 18, 2019 in Číž kúpele Spa (Southern Slovakia)* under the motto: “Hydrogeological survey in deficit areas”. This traditional field seminar was attended by several Slovak National IAH

Administrated by:

RNDr. Peter Malík, CSc.

Dpt. of Hydrogeology and Geothermal Energy; ŠGÚDŠ – Geological Survey of Slovak Republic

Mlynská dolina 1; 817 04 Bratislava 11; Slovakia; www.geology.sk

Tel.: ++421-2-59375416, Fax: ++421-2-54771940, e-mail: peter.malik@geology.sk

Chapter members (Ms Anna Patschová, Mr Peter Bajtoš and Mr Peter Malík). Its participants visited interesting sites where hydrogeological boreholes, both exploitation and observation ones were recently drilled and where pumping tests were actually performed, and also interesting sources of Iodine/Bromine mineral groundwater used in the Číž kúpele Spa were visited. Together 35 participating persons were present on the field seminar;

- *traditional workshop “Groundwater protection problems” organized by Water Research Institute on December 5, 2019 in Bratislava* organized by Ms Anna Patschová, Slovak National IAH Chapter member, with active participation of Mr David Krčmář (“*Thermal influences in groundwater under the Aupark site*”) Mr Peter Malík (“*On the results of two-year high-frequency monitoring of suspended particles in the waters of the karst spring Buzgó in Krásnohorská Dlhá Lúka*”), Ms. Anna Patschová (“*Agriculture and stricter protection of groundwater in PGI pursuant to Act 305/2018 Coll. on protected areas of natural water accumulation*”, “*Experience with processing data on consumption of plant protection products for drinking water control*” and “*Identification of impacts on chemical status of groundwater bodies and updating of water management problems*”). Workshop was also visited also by Ms Renáta Fľaková who acted as the chair person in the afternoon session together with Mr Peter Malík. Together four Slovak National IAH Chapter members were actively present. About 90 water scientists and water administrators were participating on this workshop.
- Active participation of Slovak National IAH Chapter members in groundwater decision making process – as members of the Commission for Groundwater Amounts Approving (advisory body to Slovak Ministry of Environment): Mr Peter Malík acting as a permanent member, in Slovak Geological Board (also advisory body to Slovak Ministry of Environment): Ms Renáta Fľaková acting as permanent members; in Examining Commission for Hydrogeologists’ Professional Skills by the Slovak Ministry of Environment: Mr Peter Malík acting as examiner, Groundwater Working Group on EU Water Framework Directive Implementation: Ms Anna Patschová acting as a working group chairing person, Ms Renáta Fľaková and Mr Peter Malík as permanent members.

Planning of Slovak National IAH Chapter activities for 2020:

- Participating on the organization of the next (9th) workshop on “Remediation in Theory and Practice” in Bratislava (March, 2020);
- Participating on the 20th *Slovak Association of Hydrogeologists Conference, organized by SAH and co-organized by Slovak National Chapter of IAH, to be held in September 2020;*
- Active participation in groundwater exploitation and groundwater protection decision making process – as various commission members, but also via medialized information on groundwater and the need of its protection.

Peter Malík
Chairman of the Slovak National IAH Chapter

Contact person:
RNDr. Peter Malík, CSc.
Dpt. of Hydrogeology and Geothermal Energy
Štátny geologický ústav Dionýza Štúra – Geological Survey of Slovak Republic
Mlynská dolina 1
817 04 Bratislava 11
SLOVAKIA
www.geology.sk
peter.malik@geology.sk