

*Commission on Mineral and Thermal Waters*

*Commission Eaux Minérales et Thermales*



# **MINUTES OF THE ANNUAL SESSION**

**12<sup>th</sup> to 18<sup>th</sup> August 2012, Budapes, Hungary**

**“Groundwater, Thermal and Mineral Water in Karstic Terrains  
and Porous Sedimentary Basins: Utilization of Thermal and  
Mineral Waters”.**

According to the decision of the CMTW-IAH Meeting 2011 in France, the meeting of the Commission of Thermal and Mineral Water in 2012 was held in Budapest, Hungary.

The meeting took place from August 12th to 18th, 2012, and was jointly organized by the Institute for Geological and Geochemical Research, Research Centre for Astronomy and Earth Sciences, Hungarian Academy of Sciences, and the Hungarian National Chapter of the IAH.

*Meeting Topic: Groundwater, Thermal and Mineral water in karstic terrains and porous sedimentary basins: Utilization of thermal and mineral waters.*

### **Local organizing committee**

Dr. István Fórizs (Secretary of the IAH Hungarian National Chapter, CMTW member)

Dr. József Deák (GWIS Ltd., Dunakeszi, Hungary, CMTW member)

Dr. Árpád Lorberer (VITUKI Non-profit Ltd., Budapest, Hungary, CMTW member)

### **Scientific committee**

Dr. Werner Balderer (ETH- Zurich, IAH - CMTW Vice Chairman)

Dr. József Deák (GWIS Ltd., Dunakeszi, Hungary, CMTW member)

Dr. István Fórizs (Hungary, CMTW member)

Dr. Husein Idris (Egypt, IAH – CMTW Vice Chariman)

Dr. Jim LaMoreaux (USA, IAH – CMTW Chairman)

Dr. Árpád Lorberer (VITUKI Non-profit Ltd., Budapest, Hungary, CMTW member)

Dr. Adam Porowski (Poland, IAH – CMTW Secretary)

## LIST OF PARTICIPANTS

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## ACCOMPANING PERSONS

No	Name	Country	
1	LaMoreaux, Nicole, Mrs	USA	field session & cultural program
2	Balderer, Christina, Mrs	CH	field session & cultural program
3	Sarah Shugg	AU	field session & cultural program
4	Susan Shugg	AU	field session & cultural program

## ABSENT MEMBERS

Name	Country	Member / Cand. Memb.	Absent with apologies
IDRIS, HUSSEIN (dep. Chairman)	EGY	M	*
CALADO, Carlos	PT	M	
CRUZ, José Virgilio	PT	CM	
CUCHI, Antonio	ES	M	
DOTSIKA, LIANA	GR	CM	
FRANCESCHI, Michel	FR	M	
FRICKE, Michael	FR	M	
HABERMEHL, Rien	AUS	M	
HERCH, Andrea	GER	M	
IBRAGIMOVA, Irada	AZN	M	
IDRIS, Hussein (vice Chairman)	EGY	M	*
ISSAADI, Abderrahmane	ALG	M	
LAHERMO, Pertti. W.	FIN	M	
LACHASSAGNE, Patrick	FR	M	*
LAING, Colin	AUS	M	
LESMO, Renato	IT	M	
KRALJ, PETER (hon. Chairman)	SLO	M	
MELIORIS, Ladislav	SLO	M	
MICHEL, G.	GER	M	
MARCIN, DANIEL	SK	M	
MOORE, JOHN	USA	M	
PANG, Zhonghe	CHINA	M	
POUCHAN, Pierre	FR	M	
ROSENTHAL, Eliahu	IS	M	
RISLER, JEAN J.	FR	M	
SCHNEIDER, Jean	AUS	M	
SHAWKI, Abdine	ET	M	
SHTEREV, KOSTADIN	BUL	M	
TAHLAWI, Mohamed Ragaie El	EGY	M	
VINOGRAD, NATALIA	RU	M	*
VERDEIL, Pierre	FR	M	
VON STORCH, KURT	GER	M	
Vylita, Sen,	CZ	M	
ZUURDEG, Boudewijn	NL	M	

## Scientific Session Program

Monday, 13 August, 2012

9:30-9:35	<b>Ferenc Székely</b> <i>The President of the Hydrogeology Subcommittee of the HAS</i>	Hungary	Greetings of the President of the Hydrogeology Subcommittee of the Hungarian Academy of Sciences
9:35-9:40	<b>James LaMoreaux</b> <i>The Chairman of the CMTW, Editor in Chief EES, C&amp;E by Springer, PELA GeoEnvironmental,</i>	USA	President of the Commission on Mineral and Thermal Waters, International Association of Hydrogeologists
9:40-9:45	<b>István Fórizs</b>	Hungary	Greetings of the Hungarian National Chapter and information on the events of the Meeting
9:45-10:10	<b>Ladislau Rybach</b> <i>The President of the International Geothermal Association</i>	Switzerland	Energetic use of thermal waters: Examples from Switzerland (thermal springs, deep aquifers, tunnel waters)
10:10-10:35	<b>Mádl-Szőnyi J., Pulay E.</b>	Hungary	The Great Deal of Hungary? - Possibilities and limitations in energetic use of thermal waters
10:35-11:00	Coffee break		
11:00-11:25	<b>Andrew Shugg</b> <i>Senior Hydrogeologist at Sinclair Knight Merz</i>	Australia	Remediation and Impacts on the Sanitary Condition of Public Mineral Springs
11:25-11:50	<b>Wojciech Górecki, Anna Sowizdzał, Marek Hajto, Anna Wachowicz-Pyzik</b>	Poland	Atlases of geothermal waters and energy resources in Poland
11:50-12:10	<b>Elżbieta Hałaj</b>	Poland	Geothermal bathing and recreation centers in Poland
12:10-13:45	Lunch		
13:45-14:10	<b>Pál Géher</b>	Hungary	Overview of balneological use of thermal waters in Hungary
14:10-14:35	<b>Natalia Vinograd</b> <i>Hydrogeologist SPSU</i> <b>Adam Porowski</b> <i>Hydrogeologist, INGPAN CMTW Secretary</i>	Russia, Poland	Origin of economically useful mineral waters of Staraya Russa Spa inferred from isotopic studies: $\delta^{18}\text{O}$ and $\delta^2\text{H}$ of water, tritium, $\delta^{18}\text{O}$ and $\delta^{34}\text{S}$ of sulfates
14:35-14:55	<b>Attila Korcsog</b>	Hungary	Short introduction to the Hungarian natural mineral and medicinal waters, and the bottled water market
14:55-15:15	<b>József Deák</b> <i>GWIS Ltd.</i> <b>István Fórizs,</b> <b>Árpád Lorberer</b> <i>VITUKI Non-profit Ltd</i> <b>Kornél Albert</b>	Hungary	The Buda thermal karstwater system

## **Agenda / Points of discussions**

### **at the CMTW Meeting in 2012, Budapest, Hungary**

1. Welcome of the participants and members.
2. Acceptance of the CMTW Minutes from Evian, France, 2011.
3. New information (update) from the IAH head office regarding the general way of the activity of the Commission and other working groups.
4. Information on the status of publication “Thermal and Mineral Waters: Origins, Properties and Applications”.
5. Discussion on the new publication from CMTW meeting in Evian, France.
6. General discussion on the forms and ways of future publications of papers prepared in the frameworks of the CMTW meetings.
7. Discussion on the new CMTW web-site.
8. Propositions of the next meetings: discussion, voting, decision.
9. New members
10. Miscellaneous

## **Protocol (by secretary A. Porowski)**

### **Ad. 1.**

The main organizer, dr István Fórizs, gave welcome speech and presented organizing and scientific committee.

The chairman of the CMTW welcomed all the members, presented the meeting agenda and invited to active discussion on next points of the program.

### **Ad. 2.**

The Minutes of Evian meeting in 2011 was prepared by prof. Jan Dowgiałło, who deputized absent secretary dr Adam Porowski.

The Minutes were presented by the chairman dr Jim Lamoreaux and accepted univocally by all members.

### **Ad. 3.**

The chairman of the CMTW presented updated information regarding the working groups of the IAH. He told also that the last year activity of the CMTW was accepted by the IAH authorities. He put the members' attention on the fact that the scientific outputs of Commission's activity should be published more regularly. Also, the case of better integration in IAH activities was highlighted.

### **Ad. 4.**

The chairman presented updated information concerning the latest publication "Thermal and Mineral Waters: Origins, Properties and Applications" edited by W. Balderer, A., Porowski, H. Idris and J. Lamoreaux. The publication is 250 pages book published by Springer, and concerning CMTW meeting in Cairo, Egypt, in 2009, organized by many-years member and vice-chair of the Commission dr Hussein Idris. He organized the CMTW meeting together with his 40-years activity in the field of hydrogeology. The book contains several papers presented at the scientific session in Cairo, Egypt.

According to chairman's information the book is actually in press and will available soon.

**Ad. 5.**

The chairman presented preliminary concept of new publication which would combine papers presented during the CMTW meeting in Evian, France, in 2011. Up to date there is not enough papers to prepare separate book. There was a proposition to combine some other interesting work of the CMTW members. Other option is to publish some available papers from Evian in Special Issue of Environmental Earth Sciences. The third proposition was to combine the best papers from the Evian meeting and Budapest and to publish separate Special Issue of Environmental Earth Sciences.

It was agreed, that the work concerning combination of available papers will be continued after the meeting up to the end of 2012. Based on the number of papers available, the chairman makes the optimal decision concerning the form of publication.

**Ad. 6.**

The members discussed the possibilities of future publication of papers presented in the framework of CMTW meetings. There was a general agreement that publication of papers is strongly required to raise the external visibility and role of the CMTW as IAH working group. The chairmen, Jim Lamoreaux, presented and offered possibilities of publication of the best quality CMTW's outputs in Environmental Earth Sciences or as separate book published by Springer.

The members agreed that next CMTW meetings should have higher quality of scientific sessions with presentations which could be published in high rank journals, e.g. Environmental Earth Sciences, or others.

**Ad. 7.**

The secretary, Adam Porowski, raise the problem of the new CMTW website, which should be constructed and connected to IAH information system concerning commissions and working groups.

The participants of the CMTW are able to construct and maintain the website themselves. However, the main problem appeared with the server where such website should exist.

The chairman of the CMTW was ask to discussed this issue with IAH authorities and send information to secretary to start the procedure of constructing and placing the new CMTW website.

**Ad. 7.**

Three propositions of next CMTW meetings were presented.



1. Proposition 2013, Australia or New Zealand: main organizer Andrew Shugg
2. Proposition 2014: Karlovy Vary, Czech Republic, main organizer Tomas Vylita
3. Preliminary proposition 2015: Crimea Peninsula, Ukraine, main organizer: Elena Kayukova.

The main issue which was discussed concerned the next CMTW meeting in 2013. Preliminary examination among present participants of Budapest meeting shows, that it will be easier for members to rich Australia to attain the IAH Congress in Perth, 2013. Preliminary agreement among members was that the CMTW meeting in 2013 should be organized together with IAH Congress in Perth. The post-congress field trip, specially directed on mineral and thermal waters, can be organized by Andy Shugg for CMTW members as well as other congress participants in the vicinity of Perth or in New Zealand.

The place of the field trip will be finally discussed with members in the beginning of 2013.

#### **Ad. 8.**

There were no new members.

Two persons who were announced as new members by the Italian National Chapter of IAH were absent, and sent their apologies before.

#### **Ad. 9.**

Last case discussed concerned the possibilities of reduction of fees for students and retired members.

The members agreed that in the future, organizers should take into account the reduction of participation fees for students.

It was also postulated to send some statement to IAH authorities and highlight the need of keeping congress fees as low as possible, with diversification of rates for different types of participants, e.g. members, students, retired.