



Ministerstvo životného prostredia
Slovenskej republiky



INVITATION

TO THE INTERNATIONAL CONFERENCE

EFFECTIVE UTILIZATION OF WATER RESOURCES IN THE CONDITIONS OF CLIMATE CHANGE (DROUGHT AND WATER SCARCITY)

***under the auspices of the European Union Strategy for the Danube
Region, Priority Area 4 Water Quality and the Minister of
Environment SR***

The goal of the conference is to create the platform for experience exchange among experts dealing with drought and water scarcity issues. The conference is aimed at the evaluation of legislative tools, monitoring and assessment of possible climate change impacts and related adaptation measures. Simultaneously it opens the space for the discussion about contributions of experts who can form the future trend of solutions directed to drought impact and water scarcity mitigation.

17-18 MAY 2016

Falkensteiner Hotel

Bratislava, Slovak Republic

CONFERENCE PROGRAMME

17 May 2016

09:30 – 11:00 Registration of participants

11.00 – 12.00 **Conference Opening**

Chair - Ing. František Koločány, Governmental Office SR
L.Šimko – National Contact Point SR, Governmental Office SR
P.Mišiga – EK DG Enviro
M.Vilfan – Danube Strategy Point
V.Novák – Priority Area 4 Coordinator, Slovakia
L.Perger – Priority Area 4 Coordinator, Hungary
C. Villeneuve – Netherlands (TRIO)

12.00 – 13.00 **Lunch Break**

13.00 – 14.00 **Section 1: Legislation and Protection of Water Resources**

Chair - Ing. Anna Gaálová, MoE SR
A.Bujnová, MoE SR: Slovak Republic attitudes to water resources protection
J.T. Busstra, Ministry of Infrastructure and the Environment, NL: Freshwater approach in the Netherlands; from joined strategies into action
M. Rieder, VUV TGM, CZ: Drought as one of climate change impacts – legislation tools in the Czech Republic
R. Mair, ICPDR: Activities of the ICPDR on Adaptation to Climate Change and coping with Droughts in the Danube River Basin

14.00 – 14.10 Discussion

14.10 – 15.10 **Section 2: Meteorological and Hydrological Drought**

Chair - prof. RNDr. Miriam Fendeková, CSc., PriFUK
M. Lapin, I. Damborská, M. Gera, J. Hrvol', M. Melo, FMFI UK, SR: Assessment of meteorological and hydrological drought from the viewpoint of potential and topical evapotranspiration development in Slovakia in the period 1951 – 2015 and scenarios until 2100.
M. Fendeková, PriFUK, SR: Hydrological drought – current status and new challenges of the research
L. Blaškovičová, K. Melová, J. Poórová, P. Škoda, SHMI, SR: Assessment of hydrological regime with the emphasis on hydrological drought in surface waters
V. Slivová, SHMI, SR: Assessment of hydrological drought as a part of

groundwater monitoring

15.10 – 15.20 Discussion

15.20 – 15.40 **Coffee Break**

Continuation of the Section 2

15.40 – 16.25 L. Blaškovičová, M. Belan, K. Melová, Ľ. Molnár, V. Slivová, J. Poórová, SHMI, SR: Interconnection of hydrological drought assessment results in surface and ground waters in selected sections of Orava and Kysuca watercourses
K. Hlavčová, J. Szolgay, S. Kohnová, M. Lapin, STU, SR: Change of outflow regime extremes in the conditions of climate change
L. Labudová, M. Turňa, SHMI, SR: SHMI Drought Monitoring in the Danube Lowland and East Slovakia Lowland in 2015 season

16.25 – 16.35 Discussion

18.00 – 21.00 **Gala Dinner**

18 May 2016

09.30 – 10.45 **Section 3: Water and Health**

Chair - Doc. RNDr. Stanislav Rapant, DrSc., ŠGÚDŠ

Z. Valovičová, M. Jajčaj, ÚVZ SR, SR: Health aspects connected to water quality

K. Fajčíková, V. Cvečková, S. Rapant, ŠGÚDŠ, SR: Chemical composition of ground/drinking water and cardiovascular diseases mortality

V. Cvečková, K. Fajčíková, S. Rapant, ŠGÚDŠ, SR: Chemical composition of ground/drinking water and oncological diseases mortality

S. Rapant, V. Cvečková, K. Fajčíková, ŠGÚDŠ, SR: Impact of ground/drinking water chemical composition on population health and the proposal of limit values for important elements

K. Munka, M. Slovinská, A. Luptáková, S. Varga, WRI, SR: Improvement of low mineralised water quality by re-carbonisation

10.45 – 10.55 Discussion

10.55 – 11.15 **Coffee Break**

11.15 - 12.45 **Section 4: Drought in Practice** (agriculture, water reservoirs for drinking purposes)

Chair - doc. RNDr. Štefan Reháč, PhD., WRI, SR

T. Orfánus, GWP: New trends in the research of drought indicators

Ľ. Jurík, P. Halaj, T. Kaletová, M. Sedmáková, SPU Nitra, SR: Drought assessment in agricultural landscape using the analysis of water content in active root zone

Š. Reháč, WRI, SR: Development of available water resources for irrigation during dry periods

M. Čistý, R. Výleta, P. Valent, STU, SR: Evaluation of water management balance of irrigation reservoir – case study Horné Orešany

Zs. Lukáč, Š. Elek, BVS, a.s., SR: Strategic development of water companies with the focus on safety aspects

K. Denesová, L. Letavajová ZVS, a.s., SR: Žitný ostrov – Large sources Gabčíkovo and Jelka – assessment of regime observation in the years 2010 till 2015 depending on climate conditions

12.45 – 12.55 Discussion

12.55 – 13.55 **Lunch Break**

13.55 – 15.40 **Section 5: Measures against Drought**

Chair - Ing. Jana Poórová, PhD., SHMÚ

A. Pistocchi, JRC: Green infrastructure and nature-based solutions for better water management

R. Müller, GWP: Integrated drought management programme for Central and Eastern Europe: Methodology guidance for the preparation of drought management plans

K. Melová, Ľ. Lovásová, Z. Danáčová, L. Blaškovičová, SHMI, SR: :
Assessment of water utilization comparing to surface water resources in the period 2002 – 2014 following the water management balance results

P. Čaučík, I. Mada, SHMI, SR: Development of ground water resources utilization in the Slovak Republic in the period 2002 – 2014 from the viewpoint of water management balance of groundwater quantity

Z. Danáčová, J. Poórová, H. Šipikalová, V. Šimor, SHMI, SR: Hydrological drought monitoring

Ľ. Jurík, R. Štepánková, P. Halaj, T. Kaletová, SPU Nitra, SR: Elimination of drought impact in the cities

P. Virág SVP, š. p.: Ecological and technological measures against drought implemented by strategic administrator of water courses and water works in the Slovak Republic

15.40 – 15.50 Discussion

15.50 – 16.05 **Conference Conclusions**

F.Koločány – National Contact Point EUSDR, SR

V.Novák – Priority Area 4 Coordinator, Slovakia

L.Perger – Priority Area 4 Coordinator, Hungary

Important Deadlines

Until 11 May 2016

All participants:

- sending duly **filled, signed and sealed** obligatory registration form to the following addresses:
alena.kurecova@vuvh.sk, andrea.vranovska@vuvh.sk
- information on gala dinner participation

Until 11 May 2016

Speakers:

- sending presentations **in pdf** format to the following addresses:
alena.kurecova@vuvh.sk, andrea.vranovska@vuvh.sk
- sending annotations to presentations in the Slovak and English language, which will be placed at the webpage of the Priority Area 4 of the Danube Strategy after the conference– www.danubewaterquality.eu
- speakers have 50 parking places reserved within the Hotel Falkensteiner, price 1,47EUR/hour.

Conference Languages

Conference languages will be **Slovak** and **English**, simultaneous translation will be provided. Speakers are kindly asked to observe the deadline regarding the delivery of their presentations because the interpreters need required time for materials study.

PRACTICAL INFORMATION

1. Transport

If you arrive at Bratislava Airport

You can use the taxi or use the following bus lines: you take the bus 61 (Hlavná stanica direction), get off at the bus stop Trnavské mýto and change for the bus 31 or 39 (Cintorín Slávičie údolie direction) until you reach the bus stop Zochova.

If you arrive at Vienna Airport

You can take the bus Slovak Lines which takes you to Bratislava, Bus Station. Then you can use the following bus lines: you take the trolleybus 208 (Šulekova direction), get off at the bus stop Kollárovo námestie and change for the bus 80 (Kopčany direction) until you reach the bus stop Zochova.

If you arrive by train (Bratislava main station)

You can use the taxi or use the following bus lines: you take the bus 93 (Vyšehradská direction), get off at the bus stop Zochova.

2. Venue of the Conference and recommended accommodation

We recommend to stay in the Falkensteiner Hotel – venue of the conference. Every participant books the room himself. Regarding the capacity and time viewpoint, it is necessary to do so as soon as possible.

Please, while booking the room, state that you are a participant of the Water Research Conference (VUVH – 17-18 May 2016 – Drought and Water Scarcity) to have a better price.

Special prices:

Double room 119,- EUR (i.e. 59,50 EUR/person) and single room 89,- EUR including breakfast.

*Falkensteiner
Hotel Bratislava
Pilárikova Street 5
SR 811 03 Bratislava*

GPS: 48° 8' 45.2470218" N
17° 6' 13.1506348" E

Tel: +421 2 592 36 100

Email reservations: reservations.bratislava@falkensteiner.com
<http://www.falkensteiner.com/sk/hotel/bratislava>

