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Conference organizers



Ministry of Environment of the Slovak Republic
 Association of Employers in Water Management Sector in Slovakia
 Water Research Institute

Slovak Water Management Enterprise
 Faculty of Civil Engineering of the Slovak University of Technology in Bratislava
 Slovak Hydrometeorological Institute
 Institute of Hydrology of the Slovak Academy of Sciences
 Water Management Construction
 Slovak National Committee on Large Dams
 Regional Environmental Office in Bratislava
 Slovak Water Management Society of the Association of Slovak Scientific and Technological Societies
 Slovak Chamber of Civil Engineers – Regional Association Bratislava

*invite you to the scientific conference
 under the auspices of the Minister of Environment of the Slovak Republic*

RIVER BASIN AND FLOOD RISK MANAGEMENT

December 6 - 8, 2011



2nd Announcement and the Letter of Invitation

Conference Information

Venue:

Special Purpose Facility of the Office of the National Council
of the Slovak Republic
Častá - Papiernička, 900 89 Častá

Tel.: + 421 33 649 5182 - 4

Fax: + 421 33 640 5130

E-mail: castapapiernicka@nrsl.sk

web:<http://www.castapapiernicka.sk>

Date: December 6 - 8, 2011

Under the auspices of:

Ing. József Nagy, Minister of Environment of the Slovak Republic

Organizing committee:

Ing. Martin Bačík, PhD. – WRI Bratislava

Prof. Ing. Emília Bednárová, PhD. - Slovak National Committee on Large Dams

Ing. Stanislav Fialík - SWME, Banská Štiavnica

Ing. Norbert Halmo – Ministry of Environment SR

Ing. Vladimír Holčík – Water Management Construction

Ing. Kvetoslava Kanioková - Regional Environmental Office Bratislava

RNDr. Oľga Majerčáková, PhD. - SHMI Bratislava

RNDr. Pavol Miklánek, PhD. – Institute of Hydrology SAS Bratislava

Ing. Ján Munkáči - Association of Employers in Water Management,
Banská Bystrica

Mgr. Tatiana Šimková – WRI Bratislava

Prof. Ing. Andrej Šoltész, PhD. - Faculty of Civil Engineering, SUT Bra-
tislava

Ing. Viliam Višacký, PhD. – WRI Bratislava

Contact person:

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Water Research Institute (WRI)

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812 49 Bratislava

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From Bratislava:

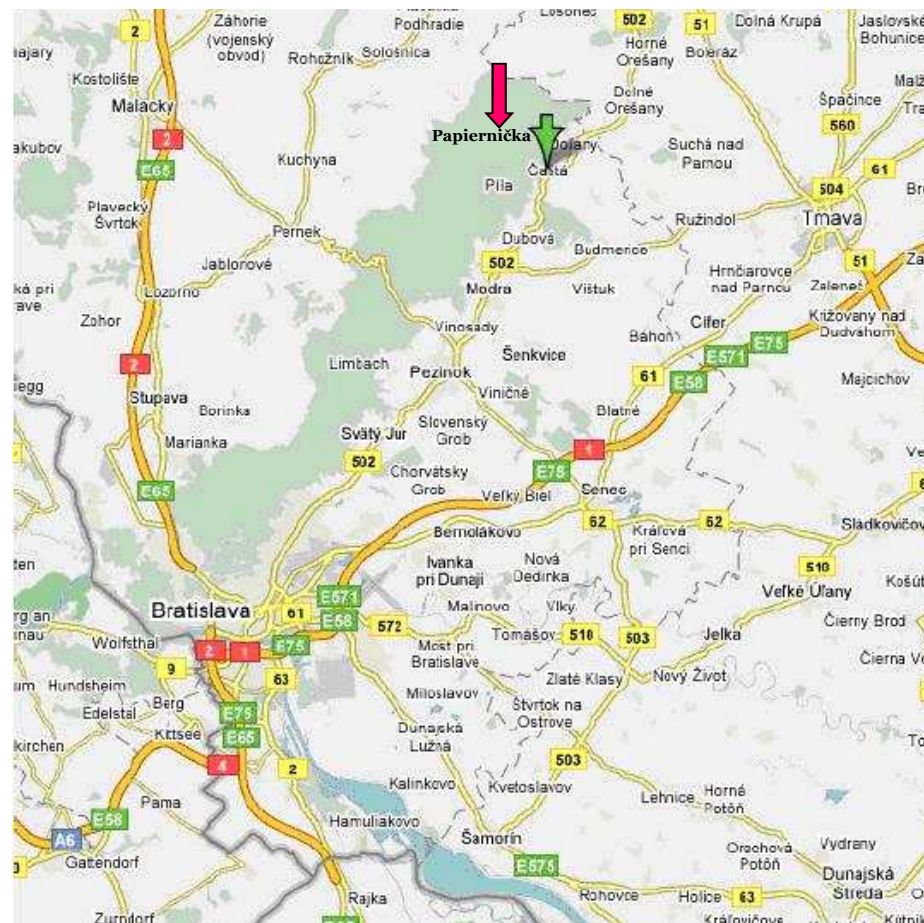
You can take a Taxi from Bratislava to Papiernička (for example <http://www.profitaxi.sk/>; tel: +421216222; price about 45 €). Cheaper way, but much more inconvenient is to take buses from the Main Bus Station to Častá (<http://cp.atlas.sk/vlakbus/spojenie> tel: +421218211; price about 2 €). After getting off the bus in Častá, please call +421905 590 265 and ask for transport to Papiernička (about 10 min. by car)

From Vienna Airport:

The best is to take a bus from Vienna Airport to Bratislava Main Bus Station and then follow the same way like participants travelling from Bratislava.

Map

GPS súradnice: 48° 23' 38,9" N 17° 17' 56,6" E
48,39414° N 17,29907° E



Reviewers of articles

Ing. Martin Bačík, PhD.	(legislation)
Prof. Ing. Emília Bednárová, PhD.	(dams, reservoirs, technological flood protection measures)
RNDr. Oľga Majerčáková	(hydrology and meteorology)
RNDr. Pavol Miklánek, CSc.	(hydrology and surface runoff)
Prof. Ing. Andrej Šoltész, PhD.	(hydraulics and simulations)

Venue of the conference and transport

Častá-Papiernička

It is a special facility of the Office of the National Council of the Slovak Republic, located about 40 km from Bratislava, surrounded by the forests of the Little Carpathians. Little Carpathians are a part of the Carpathian Mountains - one of the largest mountain range in Europe. The region is rich in history, tradition and culture. The medieval castle Červený Kameň is a significant historical monument of this region. It was originally a king castle from the half of the 13th century was a part of a fortified castle line on the west border of Austria. In the 16th century Pálffy family acquired the castle, rebuilt it and transformed it into a Renaissance- Baroque palace full of magnificent interiors. Nowadays, you can see a permanent exhibition of historical furniture and weapons there. In the neighbourhood of Častá there are cities of Modra (well-known for its manufacturers of folk ceramics) and Pezinok which are important centres of viticulture in Slovakia.

How to get to Častá - Papiernička

Please notice that Papiernička is not a regular hotel. It is not possible to arrange the accommodation there before and after the conference. If you arrive earlier or leave later please make reservation of the accommodation through our registration or in hotels Echo, Turist and Nivy (not expensive) - all nearby the bus stop Bajkalská between the Airport and the Main Bus Station Mlynské Nivy on the email addresses:

- .. recepacia@hotelecho.sk
- .. hotel@turist.sk
- .. hotel@hotelnivy.sk

Hotels of your choice: <http://www.bratislavahotels.com>

Objectives of the conference

Coping with flood events, their consequences and the development of preventive measures – these are the topics that particularly attracts professionals and the public. The international conference “River Basin and Flood Risk Management” wants to contribute to this issue.

After last year's conference "Floods 2010: Causes, Development and Experience", the organizers believe that they start the tradition of serious, competent and professional approach to the problem which concerns the whole society. The objective is to establish a forum that will help exchange information and experience and identify problems related to floods. We hope that this conference will bring new knowledge which can be further used in favour of the people of our countries.

Important Dates

November 15, 2011 Deadline for delivery of Registration Form

November 15, 2011 Deadline for payment of registration fee and accommodation

Important Information

You can find registration form on extra pages or it can be found on the following website: www.vuvh.sk.

In case the accommodation capacity in the Facility of the Office of National Council SR in Častá-Papiernička is full, the organizer does not arrange alternative accommodation.

Conference language: English, Slovak, Czech

Programme of the conference

TUESDAY DECEMBER 6, 2011

10:00 – 11:00 **Registration**

11:00 – 11:40 **Opening ceremony; speech of the Minister of Environment SR and other guests of honour**

11:40 – 13:00 **Lunch break**

13:00 – 15:15

Chairman: Ing. Norbert Halmo, Ministry of Environment of the Slovak Republic

Legislation, Economy, International Aspects and Foreign Experience

LEGISLATION OF FLOOD RISK MANAGEMENT IN SLOVAKIA

Bačík, M., Ryšavá, Z.

PREPARATION OF THE PROGRAMME OF LANDSCAPE RESTORATION AND INTEGRATED RIVER BASIN MANAGEMENT IN THE SLOVAK REPUBLIC WITHIN THE POLICY OF THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT OF THE SLOVAK REPUBLIC

Julény, J.

FLOOD HAZARD MAPS, DOCUMENTATION OF AREAS WITH SIGNIFICANT FLOOD RISK, FLOOD RISK MANAGEMENT PLANS – EXPERIENCE WITH THE IMPLEMENTATION OF THE DIRECTIVE 2007/60/ES IN THE CZECH REPUBLIC

Cihlář, J.

„ATLAS OF LABE RISKS“ – PREPARATION OF FLOOD RISK MAPS AND FLOOD HAZARD MAPS – PILOT PROJECT ON JIZERA RIVER

Skočepa, J.

ASSESSMENT OF DEPOSITS IN THE AREA OF TEREZÍN CITY ON THE OHŘE RIVER

Šlezinger, M.

STABILIZATION OF BANKS OF DAM RESERVOIRS

Šlezinger, M., Pelikán, P., Pilařová, P.

FLOOD HAZARDS AS A RESULT OF THE CHAŇCZA DAM DISASTER – FLOODPLAIN ZONES DESIGNATION

Kępski, K.

LOCAL FLOOD MANAGEMENT PLANNING IN THE CONTEXT OF MITIGATION OF LOSSES AND SUSTAINABLE USE OF WATER COURSES

Konieczny, R., Kulesza, K., Walczykiewicz, T.

RESULTS OF THE FLOOD VULNERABILITY ASSESSMENT OF THE HUNGARIAN PART OF THE DANUBE-RIVER CORRIDOR IN THE FRAME OF DANUBE FLOODRISK PROJECT

Réti, G.

FLOOD RISK MANAGEMENT PLANS, FLOOD PREVENTION, FLOOD PROTECTION AND RESCUE OPERATIONS, REMOVING THE EFFECTS OF FLOODS

Rebryk, S., Skral, M.

BRATISLAVA - BOROUGH OF RAČA – PREVENTING THE CONSEQUENCES OF SHORT-TERM INTENSE RAINFALL

Chrobák, V.j.

9:10 – 9:30

POSTER SECTION

CEFRAME – Transnational Harmonization of Flood Protection

Lešková, D., Wendlová, V.

Hydrologically Significant Year 2010 in the River Basins of Hron, Ipel' and Slaná

Kyselová, D., Hrušková, K.

10:00 – 12:00

EXCURSION TO THE LOCALITY OF PÍLA

12:00 – 13:00 **Lunch Break**

13:00 – 14:00

OFFICIAL CLOSING CEREMONY

Conference proceedings and advertisement

The articles of the conference will be reviewed by experts. Each participant will receive an electronic version of the Conference Proceedings (USB flash drive).

For more information about advertising in the Conference Proceedings or during the event, please contact:

Mgr. Tatiana Šimková

Water Research Institute

Nábřežie arm. gen. L. Svobodu 5

812 49 Bratislava

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fax: ++421 – 2 – 54 41 63 34

e-mail: simkova@vuvh.sk

16:40 – 18:00

Chairman: RNDr. Pavol Miklánek, CSc., Institute of Hydrology of the Slovak Academy of Sciences

Flood Protection

MATHEMATICAL SIMULATION OF WATER LEVEL REGIME OF THE ON-DAVA RIVER DURING FLOOD – ANALYSIS AND FORECAST

Květon, R., Šoltész, A., Baroková, D.

OPTIMIZATION OF HYDRAULIC STRUCTURES FLOW CAPACITY USING MATHEMATICAL MODELS

Kučera, M. Ando, M., F. Tegelhoffová, M., Mišík, M.

THE CONCEPT OF VVB GEOMONITORING INFORMATION SYSTEM

Pauk, J.

OPTIONS FOR FLOOD RISK REDUCTION THROUGH LAND USE PATTERN

OPTIMIZATION IN A RIVER BASIN

Kočický, D., Maretta, M.

RATIONAL INTERACTION BETWEEN LAND USE PLANNING AND WATER PLANNING IS VITAL

Chlapík, D.

THE SIGNIFICANCE OF RESERVOIRS AND PROTECTION DIKES IN FLOOD PROTECTION

Bednářová, E., Miščík, M.

RIVER AUTHORITY'S VIEW ON COMPLEX FLOOD PROTECTION MEASURES IN A RIVER BASIN

Hrabovský, O., Ivančo, R.

OPTIONS FOR THE REAL USE OF DRAINAGE CANALS IN THE LAND RESTORATION PROGRAMME WITHIN THE INTEGRATED RIVER BASIN MANAGEMENT

Halmo, P., Alena, J.

THURSDAY DECEMBER 8, 2011

8:00 – 9:10

Chairman: Ing. Martin Bačík, Water Research Institute

Flood Protection

THE IMPACT OF THE TRNÁVKA RIVER REGULATION ON GROUNDWATER REGIME

Šoltész, A., Baroková, D., Možiešiková, K., Spál, M.

FLOOD PROTECTION OF MODRA – MEASUREMENT WORKS

Orfánus, M., Šoltész, A., Škrinár, A., Kyrinovič, P., Erdélyi, J.

LOCAL FLOOD WARNING SYSTEMS

Titl, F.

BOREHOLE LOGGING METHODS FOR DETECTING WATER LEAKS IN DAMS AND THE CHECK OF CUT-OFF WALL FUNCTION. THE CHECK OF IMPLEMENTED REMEDIAL MEASURES.

Procházka, M.j.

DIGITAL FLOOD PLANS

Hurych, P., Banceth, M.

RECONSTRUCTION OF PUMPING STATION IN THE LOCALITY OF KOPČANY

Chrobák, V..

15:45 – 18:00

Chairman: Prof. Ing. Emília Bednářová, PhD., Slovak Technical University

Legislation, Economy, International Aspects and Foreign Experience

EVALUATION OF FLOOD PROTECTION ACTIONS WITHIN THE ACTIVITIES OF STRATEGIC EXPERT OF THE FLOOD PREVENTION PROGRAMME IN THE CZECH REPUBLIC

Satrapa, L., Fošumpaur, P., Horský, M., Brouček, M., Nešvarová, P.

ASSESSMENT OF FLOOD PROTECTION EFFECTS OF THE ACTIVITIES CONNECTED TO RESTORATION PROGRAMME FOCUSED ON PONDS, SMALL WATER RESERVOIRS AND LAND USE PLANNING IN THE CZECH REPUBLIC

Fošumpaur, P., Satrapa, L., Horský, M., Brouček, M., Nešvarová, P.

PROTECTION AND PRESERVATION OF CULTURAL HERITAGE ENDANGERED BY FLOODS

Fošumpaur, P., Nedvěďová, K., Kopecká, I., Pergl, R.

WATER MANAGEMENT INFORMATION SYSTEM FOR MANAGING THE SPECIFIC KNOWLEDGE OF CATCHMENTS

Fanta, D., Tyl, R., Toman, M., Horský, M.

DEVELOPMENT OF TRENDS IN AVERAGE DAILY DISCHARGE AND THEIR INFLUENCE ON WATER STRUCTURES

Zukal, M.

FLOOD PLAIN RISK ANALYSIS – MASS DATA AND GIS TOOLS PROCESSING

Horský, M.

RELIABILITY OF MANIPULATION OBJECTS ON WATER STRUCTURES – LOCK GATES

Brouček, M.

PLZEŇ – LOBZY: FLOOD PARK

Pilařová, P., Šlezinger, M.

WEDNESDAY DECEMBER 7, 2011

8:00 – 10:00

Chairman: Prof. Ing. Ján Szolgay, PhD., Slovak Technical University

Legislation, Economy, International Aspects and Foreign Experience

FINANCIAL SCHEMES IN FLOOD DAMAGE COMPENSATION

Klučka, J.

RETENTION OF HEAVY RAINFALLS IN UPPER PARTS OF CATCHMENTS IN RELATION TO FLOOD PROTECTION

Koutný, L., Skoupil, J., Veslý, D.

HVĚZDA WATER STRUCTURE – HYDRAULIC RESEARCH

Králik, M.

HYDRAULIC RESEARCH OF WATER STRUCTURES – HORCOV, KLABAVA, KOPČANY

Králik, M., Satrapa, L., Zukal, M.

Floods 2010

2010 – YEAR OF FLOODS AND ITS PLACE IN HYDROLOGICAL OBSERVATIONS IN SLOVAKIA

Šipikalová, H., Podolinská, J., Škoda, P., Demeterová, Liová, S.

BACK TO 2010 FLOODS

Smrtník, P., Matoková, K., Blahová, A., Simonová, D., Masár, T.

HYDROLOGICAL ASSESSMENT OF FLOODS IN MAY AND JUNE 2010 IN SLOVAK RIVERS

Liová, S., Martinka, M., Novák, J., Podolinská, J.

Flash Floods

ANALYSIS OF THE FLASH FLOOD IN 6 JUNE 2006 ON SVACENICKY AND DEBERNICKY BROOK

Blaškovičová, L., Horvát, O., Hlavčová, K., Kohnová, S., Szolgay, J.

FLASH FLOODS IN SLOVAKIA, THE FLASH FLOOD ON GIDRA AND PARNA IN JUNE 2011

Blaškovičová, L., Poórová, J., Hazlinger, M., Tausberik, O., Eupták, L.

METEOROLOGICAL CAUSES OF THE FLASH FLOOD IN PÍLA LOCALITY ON 7 JUNE 2011

Benko, M.

JUNE FLOOD IN THE LITTLE CARPATHIAN REGION

Spál, M.

10:30 – 12:00

Chairman: Ing. Stanislav Fialík, Slovak Water Management Enterprise

Floods and Drought (broader connections)

LOCAL FLASH FLOODS: CAN THEY BE SIGNIFICANTLY INFLUENCED BY THE PROPERTIES OF CATCHMENTS?

Novák, V.

HYDROLOGICAL DROUGHT IN THE EAST OF SLOVAKIA

Zeleňáková, M., Purcz, P., Solčíková, T., Demeterová, B., Kuzevičová, Ž.

ASSESSMENT OF SOIL DROUGHT IN ŽITNÝ OSTROV RELATED TO THE OCCURRENCE AND DURATION OF DRY PERIODS

Šurda, P., Štekauerová, V., Šútor, J.

LONG-LASTING TRENDS AND MULTI-ANNUAL VARIABILITY OF DISCHARGE IN THE MOST IMPORTANT WORLD WATER COURSES

Miklánek, P., Pekárová, P., Pekár, J.

FLOODS ON SMALL RIVERS - ANALYSIS OF FLOODS IN LITTLE CARPATHIANS ON 7 JUNE 2011

Pekárová, P., Svoboda, A., Miklánek, P., Halmová, D.

FLOODS ON SMALL RIVERS – FLOOD MODELLING USING THE NCL MODEL

Pekárová, P., Svoboda, A., Miklánek, P., Halmová, D., Pekár, J.

DETERMINATION OF DESIGN INTENSITY OF SHORT-TERM RAINFALLS IN THE HRON RIVER BASIN

Bara, M.

VARIABILITY OF HYDRIC EFFICIENCY OF FOREST ECOSYSTEMS AND ITS IMPACT ON CREATION OF FLOOD DISCHARGE IN SMALL CATCHMENTS

Jakubis, M.

UNCERTAINTIES IN CALIBRATION OF RAINFALL-RUNOFF MODELS AND IN PARAMETER ESTIMATION

Valent, P., Daneková, J.

12:00 – 13:00 **Lunch break**

13:00 – 14:00

Chairman: RNDr. Oľga Majerčáková, CSc., Slovak Hydrometeorological Institute

Forecasts, Warnings and Activities During Floods

FLOOD FORECAST SERVICE AND ITS PLACE IN FLOOD PROTECTION

Lešková, D., Wendlová, V.

USAGE OF NOWCASTING IN FORECAST OF THE FLASH FLOODS

Hazlinger, M., PhD., Zvolenský, M.

USAGE OF GIS TOOLS FOR OPERATIVE FORECAST OF THE FLASH FLOOD HAZARD

Kočický, D., Lešková, D., Šťastný, P.

ASSISTANCE OF ARMED FORCES OF THE SLOVAK REPUBLIC IN REMOVAL OF FLOOD CONSEQUENCES

Kováč, M., Laurová, Z., Machynová, M.

MANAGEMENT OF FLOOD RESCUE OPERATIONS

Štefanický, B.

FLOOD PROTECTION AND RESCUE OPERATIONS ON THE LOWER HRON AND THE UPPER IPEĽ IN 2010

Jurica, J.

14:30 – 16:10

Chairman: Ing. Dušan Abaffy, PhD., Water Research Institute

Flood Risk Assessment

ALTITUDINAL ACCURACY OF MOUNTAIN REGION RELIEF DIGITAL MODELS. THE MODEL OF A WEB PORTAL FOR PUBLISHING FLOOD INFORMATION

Daňová, K., Fencík, R., Rybecká, Z.

MULTI-CRITERIA ASSESSMENT OF FLOOD RISK PROBABILITY

Gaňová, L., Zeleňáková, M., Kuzevičová, Ž., Purcz, P.

FLOOD RISK PRE-ASSESSMENT IN RELATION TO FLOOD EVENTS IN THE PAST

Ič, T.

FLOOD RISK ASSESSMENT – CURRENT RESEARCH

Solín, Z.

AVAILABILITY AND PARAMETERS OF GEODATABASES IN SLOVAKIA – REQUIREMENTS FOR FLOOD RISK ASSESSMENT

Barca, R.

Flood Risk Maps and Related Issues

THE USE OF RELIEF DIGITAL MODELS FOR FLOOD RISK MANAGEMENT

Daňová, K., Fencík, R.

EXPERIENCE IN FLOOD RISK AND FLOOD HAZARD MAPPING - SLOVAK WATER MANAGEMENT ENTERPRISE KOŠICE

Dobrotka, S., Miščík, M.

FLOOD MAPPING OF LARGE AREAS

Mišík, M., Kučera, M. Ando, M. Stoklasa, M.

FLOOD MODELS AND URBAN AREA MAPPING

Mišík, M. Kučera, M. Ando, M.

OPTIONS FOR ENERGETIC OPERATION AND NAVIGATION ON THE LOWER SECTION OF THE VÁH RIVER

Dušíčka, P.