

Announcement (14 May 2011)



Jointly organized by

- International Association of Hydrogeologists (IAH), IAH Commission on Hydrogeology of Hard Rocks
- IAH National Chapter of Czech Republic
- International Association of Hydrological Sciences (IAHS)
- Faculty of Science, Charles University (Univerzita Karlova), Prague, Czech Republic
- T.G. Masaryk Water Research Institute (VÚV), Prague, Czech Republic

The conference is supported by many organizations, such as UNESCO-IHP, US Geological Survey (USGS), Fachsektion Hydrogeologie in der Deutschen Geologischen Gesellschaft (FH-DGG), British Hydrological Society (BHS), Geological Survey of Norway (NGU), Bayerisches Landesamt für Umwelt – Geologischer Dienst (LfU, Bavarian Environment Agency), British Geological Survey (BGS), and Bureau de Recherches Géologiques et Minières (BRGM).



<http://web.natur.cuni.cz/gwfr2012/>

International Conference on **Groundwater in Fractured Rocks**

21-24 May 2012, Prague, Czech Republic

The deadline for abstract submission is 30 September 2011

BACKGROUND

GwFR2012 focuses on the occurrence and properties of groundwaters in fractured rocks, nowadays the most dynamic developing field in hydrogeology. These rocks exist all over the world, but for a long time were much neglected from the viewpoint of hydrogeology. European hydrogeologists paid attention to the so-called hard rocks in developing countries of Africa where these rocks in many arid and semi-arid areas were the only source of potable water. Hydrogeological studies in temperate climatic zones (thus in most of Europe) were directed mostly at basinal structures. Only the last decade has shown that fractured rocks represent in many respects attractive hydrogeological environments, deserving attention. Other reasons for the change of attitude include:

- Natural groundwater resources of hardrock areas, mainly those originating in mountains as source areas, have been proved large enough to cover water consumption and to maintain flow of water courses in adjacent piedmont zones during dry periods.
- Due to global climatic change water stress, groundwater resources of hardrock areas have become the only sources of drinking water in large areas.
- Regarding possibilities of groundwater abstraction, under the present-day general trend of water demand increase, adequately sited water wells or other water intake systems in hardrock areas typically can cover requirements on water supply for small communities, plants or farms and for domestic water consumption. In some areas groundwater abstraction possibilities are high enough to supply even small towns.

CONFERENCE THEMES -- (for topics see the web site):

THEME 1 – HYDROGEOLOGICAL STRUCTURE OF FRACTURED ROCKS

THEME 2 – GROUNDWATER FLOW IN FRACTURED ROCKS

THEME 3 – CHEMICAL, PHYSICAL AND ISOTOPE PROPERTIES OF GROUNDWATER IN FRACTURED ROCKS

THEME 4 – GROUNDWATER PROSPECTING, DRILLING AND WELL CONSTRUCTION IN FRACTURED ROCK ENVIRONMENTS

THEME 5 – INVESTIGATION AND INTERPRETATION METHODS IN FRACTURED ROCK ENVIRONMENT

THEME 6 – MODELLING IN FRACTURED ROCK AQUIFERS

THEME 7 – VALORISATION OF FRACTURED ROCK ENVIRONMENT

THEME 8 – ANTHROPOGENIC IMPACTS ON FRACTURED ROCK ENVIRONMENT

THEME 9 – GROUNDWATER PROTECTION IN FRACTURED ROCK ENVIRONMENT

THEME 10 – LEGAL AND REGULATORY ISSUES IN FRACTURED ROCK ENVIRONMENT

SCIENTIFIC ADVISORY COMMITTEE

The following scientists are members of the Scientific Advisory Committee:

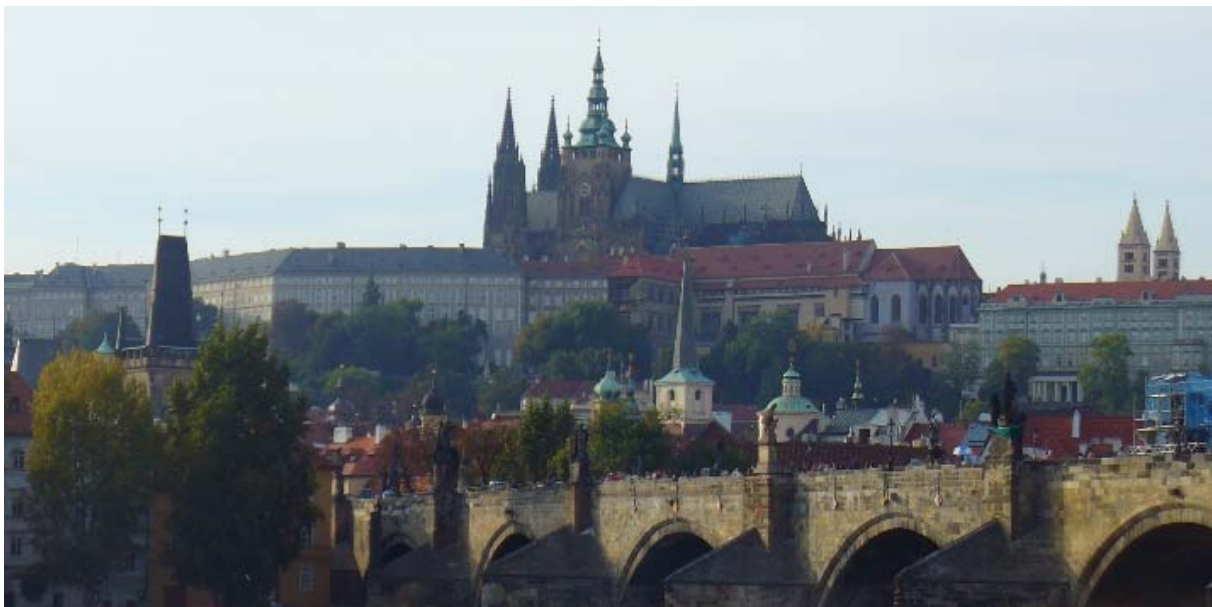
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ORGANIZING COMMITTEE

- Zbynek Hrkal, Faculty of Science, Charles University, Prague, Czech Republic (also IAH National Chapter of Czech Republic)
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Further information at <http://web.natur.cuni.cz/gwfr2012/>

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View of Charles Bridge with Prague Castle in the background.