

*Second circular*

**Czech Geological Survey and RADON v.o.s. organize the**

**10<sup>th</sup> INTERNATIONAL WORKSHOP  
on the  
GEOLOGICAL ASPECTS  
OF RADON RISK MAPPING**

**September 22<sup>nd</sup> – 25<sup>th</sup>, 2010  
Prague, Czech Republic**

**+ RIM – Radon Intercomparison  
Measurement at Radon Reference Sites  
September 20<sup>th</sup> – 21<sup>st</sup>, 2010**

**It is certainly possible to participate both in the Workshop and in  
RIM, or only in the Workshop or only in the RIM**

**WEBPAGE: [www.radon.eu/workshop2010](http://www.radon.eu/workshop2010)**

**ORGANIZING COMMITTEE:**

Workshop:

Ivan BARNET (CGS)  
Matej NEZNAL (RADON)  
Petra PACHEROVA (CGS)

RIM:

Milan MATOLIN (Charles University in Prague)  
Martin NEZNAL (RADON)

**IMPORTANT DATES AND DEADLINES**

Second announcement	April 2010
Deadline for paper submission	June 15, 2010
Deadline for lower registration fee	June 15, 2010

**PROGRAMME**

**September 19<sup>th</sup>** (Sunday) – Registration for RIM (17,00-19,00)  
**September 20<sup>th</sup>** (Monday) – Registration for RIM (8,00-9,30), Field Measurements  
**September 21<sup>st</sup>** (Tuesday) – Field Measurements, Registration for Workshop (17,00-20,00)  
**September 22<sup>nd</sup>** (Wednesday) - Registration for Workshop (8,00-9,30), Sessions  
**September 23<sup>rd</sup>** (Thursday) – Sessions, workshop dinner  
**September 24<sup>th</sup>** (Friday) – Roundtable discussions, conclusions  
**September 25<sup>th</sup>** (Saturday) – Field trip (optional, return on late afternoon)

## WORKSHOP - GENERAL TOPICS

- **RADON MAPPING**
- **NATIONAL STRATEGIES, APPROACHES TO RADON RISK**
- **METHODS OF MEASUREMENTS, CLASSIFICATION OF RADON RISK**
- **INDOOR RADON – GEOLOGY RELATIONSHIPS, FACTORS INFLUENCING THE RADON ENTRY INTO HOUSES**
- **RADON RISK - PREVENTIVE MEASURES AND REMEDIATION**
- **RADON MEASUREMENTS FOR OTHER PURPOSES (EARTHQUAKE PREDICTION, RADON AS A NATURAL TRACER, MINING AREAS, URANIUM PROSPECTION)**

Due to our common experiences from last workshops, we would like to ask you for oral presentations (15 min) or short oral presentations combined with a poster (10 min+poster) and/or poster.

For the closing day of the workshop, we would like to prepare meaningful roundtable discussions (probably two parallel each time), where we would discuss, with respect to future cooperation, preparation of research projects proposals etc. following questions:

- **GEOGENIC RADON POTENTIAL MAP OF EUROPE**
- **CLASSIFICATION OF RADON RISK AND RADON MAPPING BASED ON RADON POTENTIAL AND ON INDOOR RADON, ADVANTAGES AND DISADVANTAGES**
- **RADON IN SOIL GAS AND INDOOR RADON, TEMPORAL CHANGES IN VARIOUS GEOLOGICAL AND CLIMATIC CONDITIONS**
- **RADON MEASUREMENTS AND EARTHQUAKE PREDICTION**

## VENUE

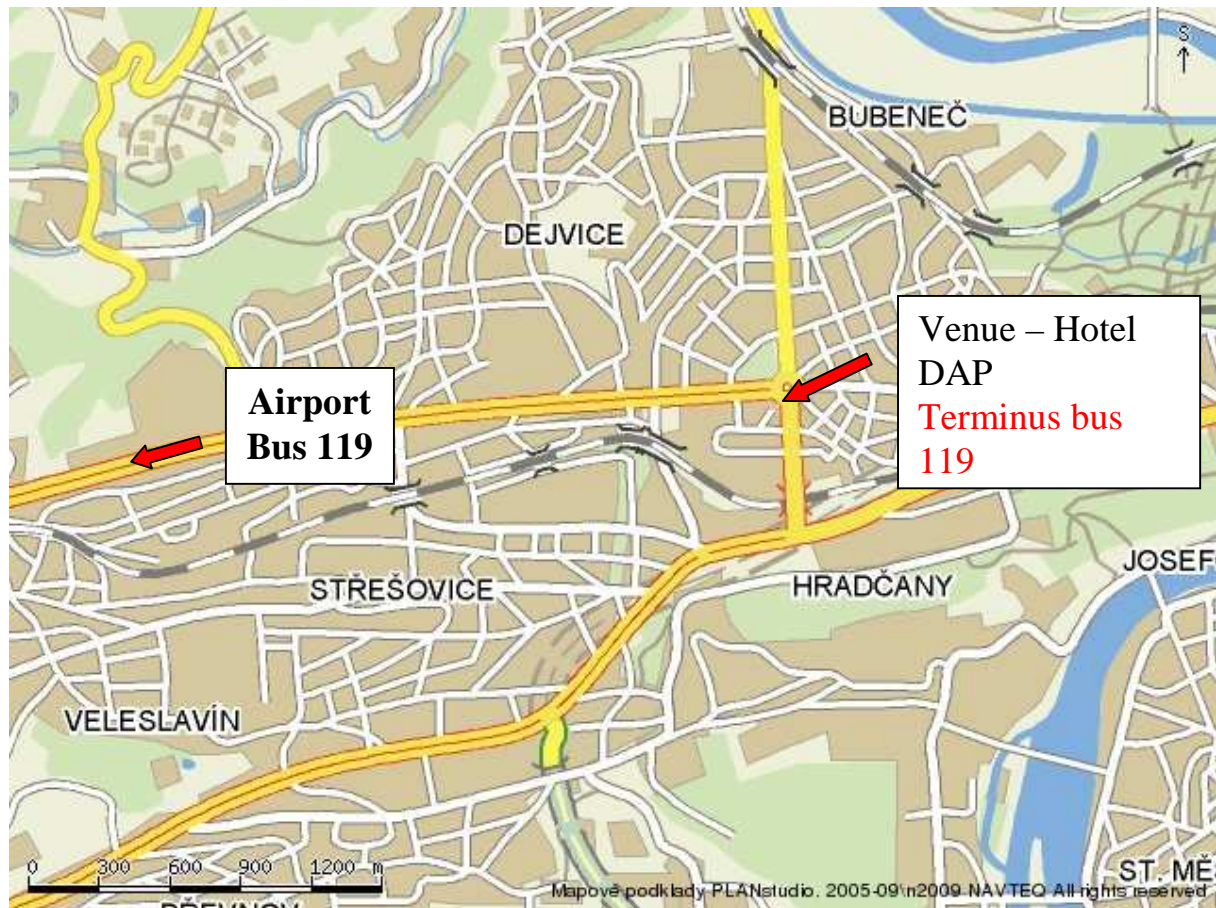
The conference will be held in the beautiful city of Prague, capital of the Czech Republic, at the conference hall of the Hotel DAP. The hotel is located in the western part of central Prague, near the Prague Castle, the dominant symbol of Prague, in the direction to the Ruzyně airport, close by to the Dejvicka underground station (line A). It is also well served by tram and buses.



### Hotel DAP

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Vitezne sq. No. 4/684, 161 00 Prague 6



## ACCOMMODATION

On site accommodations (i.e. directly at the Hotel DAP, medium/low price) is possible but limited in number to 80 - 90 participants. See

- [www.daphotel.cz](http://www.daphotel.cz) and click on "English"

or directly:

- [www.daphotel.cz/index.php?/english](http://www.daphotel.cz/index.php?/english)

For more information please contact Mrs. Steinertova, the representative of Hotel DAP, e-mail: [steinertova@vkp.vlrz.cz](mailto:steinertova@vkp.vlrz.cz), and mention „radon workshop“

The direct neighbourhood has also a large number of excellent hotels, pensions, hostels, which you can find via internet (we recommend to concentrate on accommodation in the central parts of Prague – Prague 1 and/or Prague 6).

## RIM 2010

### *Compare your radon measurement with the international community in friendly field environment - comparison measurement of radon in soil gas at radon reference sites in the Czech Republic*

**Radon comparison measurement at reference sites** in the Czech Republic, RIM 2010, will be organized as an independent part of the International Workshop on the Geological Aspects of Radon Risk Mapping on September 20 – 21, 2010. Radon comparison measurements at radon reference sites serve for verification of field radon measurements performed by single organizations.

**Three natural radon reference sites** Cetyne, Bohostice and Buk of different radon activity concentration levels are located 60 km SW of Prague (Praha). Radon reference sites are meadows, their soil cover enables soil gas sampling at the depth of 0.8 m, they are accessible for cars, and their mutual total distance is 12 km. Transport from Prague will be provided. Each reference site implies 15 stabilized stations in a grid of 5x5 m.

**Radon comparison measurement at reference sites** are organized for single participants or groups of participants. Ideally each organization should measure radon at 15 stabilized stations of each reference site by its own technique, however a lower number of stations can be measured within the available time as well. Soil air is sampled from the depth of 0.8 m near to each stabilized station. Each organization reports data on the activity concentration of radon in soil gas (kBq/m<sup>3</sup>) at single stations of reference sites. Tests performed by means of a computer programme TestMOAR are based on the comparison of reported radon (<sup>222</sup>Rn) activity concentration in soil gas with other participants of the comparison measurement, and with the radon databases of the three reference sites, which comprise successful measurements of 185 organizations in 2000 - 2009. Temporal variations of radon in soil gas are eliminated.

**Results of tests will be anonymous, each participant (group) will be denoted by a code.**

**Benefits** of participation in radon comparison measurement are:

- Radon comparison with international expert community.
- Radon comparison with the database of 185 radon-measuring organizations in the Czech Republic.
- The use of three well documented radon reference sites fulfilling geological requirements.
- Based on 17-year experience in periodical radon comparison measurement 1992-1999, and 2000-2009.
- Tests by computer programme TestMOAR based on statistics, compiled by the Institute of Applied Mathematics and Computer Technique, Faculty of Science, Charles University in Prague.

**Working plan** for a 2-day comparison measurement: Instruction, transport from Prague each day, measurement of radon in soil gas, reporting of resultant data (kBq/m<sup>3</sup>) from measured stations, data processing, and evaluation by TestMOAR. For those who will collect a lower number of measurements at reference sites, programme TestMOAR accepts their number of data. Organizations and individuals who will deliver their resultant radon data later (by post or e-mail) will be also included in final testing.



There is no electrical power supply at radon reference sites, however an electrical power supply will be provided on the request.

**Accommodation:** Suitable accommodation, just in the area of radon reference sites, is available in “Hotel u Milina” ([www.hotelumilina.cz](http://www.hotelumilina.cz)), but there will be certainly a possibility of transport from Prague.

**Organizers of the RIM 2010 offer the consultation** for your participation in radon comparison measurement through e-mail address [matolin@natur.cuni.cz](mailto:matolin@natur.cuni.cz) or [neznal@clnet.cz](mailto:neznal@clnet.cz) or [radon@comp.cz](mailto:radon@comp.cz)

## **REGISTRATION FEE and INSTRUCTION for PAYMENT**

The registration fee for the workshop (**350 €** if paid after June 15, 2010, **300 €** if paid before) covers the workshop program, the book of abstracts, refreshments during the sessions and the workshop dinner. Accommodation is not included in the registration fee.

The fee for a surprise field trip – optional activity – **75 €** if paid after June 15, 2010, **60 €** if paid before) covers the whole excursion.

The fee for RIM – (**300 €** if paid after June 15, 2010, **250 €** if paid before) means a fee for an independent participant or for two participants in one measuring group. The fee for each another one (third, fourth ..., participant in the same measuring group) is **50 €**. Accommodation is not included in the registration fee.

In order to confirm your registration, a proof of payment (photocopy of bank transfer) should be sent to RADON v.o.s. (via e-mail: [radon@comp.cz](mailto:radon@comp.cz)), accepting the given conditions of payment and cancellations. Participants are kindly asked to indicate clearly the name of the person for whom the services are booked in the bank document sent. Payments can only be accepted in Euros. Only total payment guarantees registration, i.e. any bank expenses for issuing a transfer must be paid in full by participants.

Cancellation and requests for refunds should be made in writing and sent to RADON v.o.s.. Those made before 30 August 2010, will be refunded at 80 % of the original sum. After that date no refunds will be possible. All bank charges will be deducted from the refund. Refunds will be issued after the Workshop (15th October 2010).

**Payment - by bank transfer (the payee name: RADON v.o.s.)**

**The bank name:** KOMERCNI BANKA

**The bank address:** POBOCKA PRAHA - PODVINNY MLYN  
EXP. PALMOVKA,  
ZENKLOVA 12/351  
180 00 PRAHA 8  
CZECH REPUBLIC

**Account number:** 35-6485850237/0100

**Swift (BIC):** KOMBCZPPXXX

**IBAN code:** CZ9501000000356485850237

Var.symbol/details of payment: 340110

There would be also a possibility to pay cash at the registration, but those participants should send us the registration form in advance, too (the number of participants, especially in case of RIM, is limited!).

## **CALL FOR PAPERS AND INSTRUCTIONS FOR AUTHORS**

The language of the conference will be English.

Authors are kindly asked to send their contributions (extended abstracts) as camera ready in high quality print (for b+w copying), A4 format, 2.5 cm margins on all sides, in two copies plus media or e-mail attachment (best in Word 6. or higher). Please do not number the pages. The papers should not extend 10 pages including figures, tables and references.

Contributions (extended abstracts) should be submitted by the 15<sup>th</sup> of June. The volume of the extended abstracts will be made available during the workshop.

**For further contacts, please, send us the registration form on the next page (via e-mail, fax, or directly through the workshop webpage). Please fill in your e-mail with attention as it is the most effective way how to contact you (participants without e-mail will be contacted via fax or post mail).**

## REGISTRATION FORM

I shall take part in - the workshop ..... - field trip ..... - RIM .....

Name.....Mr/Mrs

Full address.....

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.....

Fax.....

Phone.....

e-mail.....

**Title of my contribution(s):**

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**Names of participants in one measuring group (in case of RIM):**

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**Contact addresses of the organizing committee:**

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