

## **RIM 2021**

### **Final info for intercomparison measurement of radon in soil gas at radon reference sites in the Czech Republic**

**20<sup>th</sup> September, 2021 - Radon reference sites Cetyne (low radioactivity) and Buk (enhanced radioactivity), both reference sites are meadows (details in the Instructions, which were sent to all participants)**

Day of measurement: Monday 20.09.2021  
Place of measurement: Radon reference sites Cetyne and Buk  
Number of measured stations: 10 stations at each reference site, 20 stations total  
Time of measurement: 09.30 – 16.30 hours  
Completion measurement: Tuesday 21.09.2021 for those who need to collect passive radon detectors or complete their activity.  
Required results: Radon activity concentration expressed in kBq/m<sup>3</sup>. Any number of measured stations is accepted for evaluation.

#### **The registration for RIM:**

Monday, September 20<sup>th</sup>, before the departure from Prague (participants using the organized transport) or directly at the reference areas (participants using their own transport).

#### **Expected time schedule, Monday, 20<sup>th</sup> September, 2021:**

7.45 Meeting of participants using the organized transport in front of Masarykova college (+ Matej Neznal)  
8.00 Departure of participants using the organized transport from Prague  
9.30 Meeting of all participants at reference site **Cetyne** (certainly, the participants using their own transport can start earlier (prof. Matolin will be there from cca 7.30)  
9.30 - 12.30 Measurement at reference site **Cetyne**  
13.30 - 16.30 Measurement at reference site **Buk**  
16.30 Departure to Prague

*Note: Refreshment (tea, coffee, beer, sausages) will be available at reference site Buk during the whole radon comparison measurement.*

#### **Organized transport:**

Bulgaria (Dimitar Antonov, Kremena Ivanova, Bistra Kunovska, Monika Mutovska)  
Estonia (Krista Saarik, Mait Saar)  
Portugal (Alcides Pereira, Sergio Seco)  
Serbia (Sofija Forkapic, Kristina Bikit)  
Spain (Daniel Rabago, Luis Quindos)  
+ observers Eric Petermann, Paulo Norte Pinto

#### **Own transport:**

Croatia (Vanja Radolic, Denis Stanic, Igor Miklavcic)  
Czech Republic (Stepan Fronka, Ondrej Koristka)  
Czech Republic (Kamila Johnova, Jan Hradecky)  
Czech Republic (Petr Cipa)  
Estonia (Krista Taht-Kok, Elina Kuusma)  
Estonia (Priit Kasemaa, Paul Normet)  
Estonia (Leena Paap, Rein Koch)

Germany (Till Kuske, Steffen Kerker, Krystof Zaplata)  
Germany (Bernhard Klingel)  
Germany (Alexander Kostjuevich, Christian Bartzsch)  
Hungary (Andras Bednar, Daniel Bertok, Gergely Toth)  
Poland (Dominik Grzadziel, Mariusz Mroczek)  
Romania (Stefan Florica, Alexandru Lupulescu)  
Sweden (Zuzanna Podgorska, Jose Luis Gutierrez-Villanueva)

Dear participants of RIM 2021,

Due to great interest to participate in RIM 2021 we have to pleasure to announce that 20 organizations will take part in radon comparison measurement. Relatively large number of participants improves the reliability of comparison, however requires accepting the rules of radon measurement at fixed stations of the measurement grid in order to maintain comparable identical conditions for everybody.

10 stations at each radon reference site will be numbered and marked in the field. Point of soil gas sampling for every participant will be defined and marked in the vicinity of the numbered station. This will eliminate overlap of holes for soil gas sampling. Every participant can use only his defined single point and hole for soil gas sampling. Participants (groups/organizations) having specific geometry requirements on soil gas sampling will sample the soil gas at a greater distance from the fixed stations (at fixed allocated position). The uniform depth of soil gas sampling is 0.8 m.

Please consider the overall available time of one day measurement at two radon reference sites. The distance of the reference site Cetyne and reference site Buk is 10 km corresponding to 15 minutes of travel by car. Participants (groups/organizations) using lengthy measurement technique need not to measure all 10 stations per reference site, the evaluation programme accept any number of measurements (anybody can stay little bit longer at the reference sites, it depends on the way of transport and will be solved in situ). In the necessity, there is a possibility to complete the measurement on Tuesday 21<sup>st</sup> September, 2021.

Thank you for understanding,  
Looking forward for meeting at radon reference sites and on a pleasant day

**Contacts:**

Milan Matolin +420 728321704  
Matej Neznal +420 602293722