

RIM & PIM 2023

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

18th September, 2023 - 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 18.09.2023
Place of measurement:	Radon reference sites Cetyne and Buk
Number of measured stations	Radon: 10 stations at each reference site, 20 stations total Permeability: 3 stations + 2 models, 5 in total
Expected time of measurement:	09.30 – 16.30 hours
Required results:	Radon activity concentration expressed in kBq/m ³ . Soil gas permeability expressed in m ² . Any number of measured stations is accepted for evaluation.

The registration for RIM & PIM:

Monday, September 18th, 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, 18th September, 2023:

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 8.00))
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:

Portugal (Alcides Pereira, Sergio Seco)

Serbia (Sofija Forkapic, Jovana Knezevic Radic, Danijel Velimirovic)

Spain – part of the whole group (Daniel Rabago, Luis Quindos, Jorge Quindós, Luis S.

Quindos, Carlos Sainz, Ismael Fuente, Enrique Fernandez)

+ observers Gonzalo Valles Alberdi, Miriam Herbella Blazquez, Paulo Norte Pinto

+ Australia + Germany 2 + Great Britain will be specified

Own transport:

Croatia (Vanja Radolic, Marina Poje Sovilj, Igor Miklavcic)

Czech Republic (Stepan Fronka, Jan Hradecky)

Czech Republic (Petr Cipa)

Estonia 1 (Priit Kasemaa, Krista Taht-Kok)

Estonia 2 (Krista Saarik, Mait Saar)

Germany 1 (Thomas Knobelsdorf, Christian Bartzsch)

Italy 1 (Antonio Parravicini, Stefano Coria)

Italy 2 (Andrea Gritti)

Poland (Dominik Grzadziel, Jakub Lukas, Krzysztof Kozak, Jadwiga Mazur)

Romania (Alexandra Cucos, Tiberius Dicu, Gabriel Dobrei, Mircea Moldovan, Stefan Florica, Alexandru Lupulescu)

Slovenia (Peter Jovanovic, Matija Skrlep)

Spain – part of the whole group (Daniel Rabago, Luis Quindos, Jorge Quindós, Luis S. Quindos, Carlos Sainz, Ismael Fuente, Enrique Fernandez)

Dear participants of RIM & PIM 2023,

Due to great interest to participate in RIM & PIM 2023 we have to pleasure to announce that 18 organizations will take part in radon comparison measurement and 10 organizations in permeability comparison measurement.

Relatively large number of RIM 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).

Thank you for understanding,

Looking forward for meeting at radon reference sites and on a pleasant day

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