

# Programme of the 15<sup>th</sup> International Workshop on the Geological Aspects of Radon Risk Mapping- GARRM, Prague, September 2021

## Registration (Masarykova College):

Monday, September 20<sup>th</sup>, 18,00 – 20,30 ... workshop

Tuesday, September 21<sup>st</sup>, 8,00 – 9,30 ... workshop

(registration for RIM will be on Monday morning at the reference areas)

## Tuesday, September 21<sup>st</sup>

9,30 Opening of the Workshop, Welcome, Introduction

Morning session (chairing – Valeria Gruber, Matej Neznal)

9,45 – 10,45

Invited presentation

**M. Matolín**

Thirty years of radon risk mapping in the Czech Republic

**Coffee break 10\*45 – 11\*15**

Morning session (chairing – Valeria Gruber, Matej Neznal)

11,15 – 11,35

**Z. Podgórska**

Implementation of the national radon plan in Poland – the first year of experiences and challenges

11,35 – 11,55

**K. Zaplata, S. Kerker, T. Kuske, S. Kraft-Bermuth, J. Breckow**

Integrated system for the determination of the geogenic radon potential

11,55 – 12,15

**V. Gruber, S. Baumann, G. Wurm, O. Alber, W. Ringer**

Identification and delineation of radon areas in Austria

**Lunch break 12\*15 – 14\*00**

Afternoon session (chairing – Krista Täht-Kok, Ivan Barneš)

14,00 – 14,20

**O. Kořistka, K. Navrátilová Rovenská, I. Fojtíková**

The overview of a system of radon prevention in the Czech Republic

14,20 – 14,40

**K. Täht-Kok, K. Saarik, E. Kuusma**

Radon risk assessment in so far insufficiently investigated administrative units in Estonia

14,40 – 15,00

**S. Kolev, B. Kunovska, M. Mutovska, M. Trayanova, D. Djunakova, D. Antonov, K.**

**Ivanova, A. Benderev**

Pilot study of radon in soil gas and soil permeability at a Sofia site

**15,00 – 15,20**

**J. G. Rubiano, H. Alonso, Ll. Font, B. Frutos, M. García-Talavera, P. Martel, V. Moreno, L. Quindós, A. Tejera, C. Sainz, J.T. Santana**

Presentation of a project for the generation and validation of a numerical model for the prediction of radon entry into buildings based on a characterization of the terrain and a typological definition of construction in Spain

**Coffee break 15\*20 – 15\*50**

**Afternoon session (chairing – Zuzana Podgórska, Eric Petermann)**

**15.50 – 16,10**

**E. Baptista, A.J.S.C. Pereira, F.P. Domingos, S.L.R. Sêco**

Indoor radon and thoron levels in the Southwest region of Angola

**16,10 – 16,30**

**D. Grządziel, K. Kozak, J. Mazur, M. Mroczek**

Influence of selected indoor air parameters on radon progeny activity concentration and effective dose

**16,30 – 16,50**

**M. Nordquist, F. Johansson, J. Leveau**

From mapping of radon in soil to inventory of radon indoors - The Swedish Story

## **Wednesday, September 22<sup>nd</sup>**

**Morning session (chairing – Petra Pacherová, Till Kuske)**

**9,20 – 9,40**

**I. Barnet, P. Pacherová, M. Poňavič**

Radon and equivalent gamma dose rate variations at different types of anthropogenic inhomogeneities in Erzgebirge and its piedmont area (NW Bohemia)

**9,40 – 10,00**

**K. Navrátilová Rovenská, I. Fojtíková, K. Jílek, A. Froňka, J. Hradecký, J. Lenk, O. Pařízek, M. Šesták**

Utilization of integral ventilation rate measurement in practice

**10,00 – 10,20**

**J.L. Gutierrez Villanueva**

Radon: challenges, priorities, gaps – the view of stakeholder

**Coffee break 10\*20 – 10\*50**

**Morning session (chairing – Giorgia Cinelli, Peter Bossew)**

**WARM UP for the roundtable discussions on Thursday**

**10,50 – 11,15**

**G. Cinelli, M. De Cort, T. Tollefsen, P. Bossew, V. Gruber**

An overview of the European Atlas of Natural Radiation publication

**11,15 – 11,40**

**P. Bossew, E. Petermann**

What is the objective of radon abatement policy? – Revisiting the concept of radon priority areas

**11,40 – 12,05**

**E. Petermann, P. Bossew**

How to use machine learning for (radon) mapping?

**Lunch break 12\*05 – 14\*00**

**Afternoon session (chairing – Alcides Pereira, István Csige)**

**14,00 – 14,20**

**C. Briones, J. Jubera, H. Alonso, J. Olaiz, J.T. Santana, N. Rodríguez-Brito, A. Arriola, N. Miquel, A. Tejera, P. Martel, E. González-Díaz, J. G. Rubiano**

Geogenic radon risk of radon at northern Tenerife (Canary Islands). Preliminary results

**14,20 – 14,40**

**A.J.S.C. Pereira, S.L.R. Sêco, F.P. Domingos, G. Luis., J. Carvalho, L.F. Neves**

Innovative probe for in situ radon gas investigation in soils and altered bedrock

**14,40 – 15,00**

**I. Csige, S. Gyila, E. Sóki**

Origin and transport of radon in a wet mofette of Covasna, Romania

**Main poster session & Coffee break 15\*00 – 16\*00**

**Posters:**

**V. Radolić, M.P. Sovilj, D. Stanić, I. Miklavčić, G. Šmit, B. Vuković**

Different geological formations and their influence on geogenic radon potential and/or indoor radon concentrations in Croatia

**K. Wołoszczuk, M. Norenberg, D. Tchórz-Trzeciakiewicz**

Measurements of radon activity concentration in workplaces with the risk of exceeding the reference level in Poland

**V. Štěpán, L. Thinová, D. Štrnad**

Radon behaviour in the body of shaft № 15 waste dump

**S. Forkapić, R. Lakatoš, S. Samardžić, L. Gulan, D. Spasić, J. Živković-Radovanović, K. Bikit-Schroeder, J. Hansman**

Application and development of a method for estimating geogenic radon potential

**Workshop dinner 19,00 – Wednesday !!**

**Thursday, September 23<sup>rd</sup>**

**Morning session (chairing – Eliška Fialová, José Luis Gutierrez Villanueva)**

**9,20 – 9,40**

**R. Koch, L. Paap, J. Šommet**

Long-term study of radon concentration dynamics in a four-storey building

**9,40 – 10,00**

**E. Fialová, P. Otáhal, J. Vošahlík**

Calibration under low-level of radon activity concentration

**10,00 – 10,20**

**D. Rábago, E. Fernández, C. Grossi, A. Vargas, C. Sainz, S. Celaya, I. Fuente, M. Fuente, L. Quindós**

The exhalation bed: facility to calibrate radon flux devices

**10,20 – 10,40**

**J.L. Gutierrez Villanueva**

ERA: the European Radon Association

**Coffee break 10\*40 – 11\*10**

**Roundtable discussions**

**starting 11\*10**

**LESSON LEARNED FROM THE EUROPEAN ATLAS OF NATURAL RADIATION PUBLICATION**

**Lunch break 12\*10 – 14\*00**

**starting 14\*00**

**MACHINE LEARNING/RADON MAPPING – possible predictors, assignment of geological data to a grid cell;**

**starting 15\*00**

**RADON & ANTHROPOGENIC EFFECTS;**

**Friday, September 24<sup>th</sup>**

**Field excursion .... (an optional activity with a special fee) ....**

**Departure: Friday 8,30 - in front of Masarykova College**