

Programme of the 12th International Workshop on the Geological Aspects of Radon Risk Mapping- Prague, September 2014

Registration:

Sunday, September 14th, 17,30 – 20,00 ... RIM and workshop

Monday, September 15th, 18,30 – 20,30 ... workshop

Tuesday, September 16th, 8,00 – 9,30 ... workshop

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

Tuesday, September 16th

9,30

Opening of the Workshop, Welcome, Introduction

Morning session (chairing – Valeria Gruber, Matej Neznal)

9,40 – 10,00

Gruber V., Ringer W., Friedmann H.

The Austrian radon mapping strategies – status, approaches, perspectives and some experiences

10,00 – 10,20

Valmari T. and Holmgren O.

Follow-up of radon-prone areas in Finland

10,20 – 10,40

Pereira A.C., Neves L.F.

A geological-based methodology for creating regional geogenic radon potential maps: preliminary results in Portugal

Short coffee break 10*40 – 11*00

11,00 – 11,20

Watson R.J, Smethurst M.A., Ganerød G.V., Finne I., Rudjord A.L.

A national radon hazard map of Norway based on geology and indoor radon

11,20 – 11,40

Alonso H., Rubiano J.G., Arnedo M.A., González-Guerra J., Tejera A., Gil J.M., Rodríguez R., Martel P.

Geogenic radon potential in Gran Canaria

11,40 – 12,00

Ferreira A., Daraktchieva Z., Appleton J.D., Turner P., Cave M.

Remapping radon potential of SW England: Assessment of the differences between 2006 and 2014 Radon Potential maps

Lunch break 12*00 – 13*30

Afternoon session (chairing – Krista Täht-Kok, Mark Smethurst)

13,30 – 13,50

Petersell V., Täht-Kok K., Shtokalenko M., Karimov M., Jüriado K.

An updated map on radon risk in Estonia

13,50 – 14,10

Lara E., Rocha Z., Santos T.O., Rios F.J., Oliveira A.H.

Soil features and indoor radon concentration prediction: radon in soil gas, pedology, permeability and ²²⁶Ra content

14,10 – 14,30

Smethurst M.A., Watson R.J., Baranwal V.C., Rudjord A.L., Finne I.

The predictive power of airborne gamma ray survey data on the locations of domestic radon hazards in Norway: A strong case for utilising airborne data in large-scale radon hazard assessments

14,30 – 14,50

Ciotoli G., Voltaggio M., Tuccimei P., Finoia M.G., Soligo M., Catalano G., Gerardi A., Lombardi S.

The application of geospatial analysis for the construction of radon potential map of the Latium region based on geological variables, soil gas and indoor radon

14,50 – 15,10

Cinelli G., Hernandez-Ceballos M.A., Bossew P., Tollefsen T., Sanchez I., Marín-Ferrer M., Nishev A., Bogučarskis K., Gruber V., De Cort M.

A method to estimate the terrestrial component of ambient dose equivalent rate from EURDEP routine monitoring data to improve the European Geogenic Radon Map

Coffee break and poster session 15*10 – 15*30

(the main poster session will be on Wednesday afternoon)

Afternoon session (chairing – Giorgia Cinelli, Boris Dehandschutter)

15,30 – 15,50

Bossew P.

Estimation of radon prone areas by bivariate classification using ROC analysis

15,50 – 16,10

Cinelli G., Tondeur F., Dehandschutter B.

Variability of indoor radon risk between and within geological units

16,10 – 16,30

Aliyev Ch.S., Feyzullayev A.A., Valsangiacomo C., Baghirli R.J., Hoffmann M., Mahmudova F.F.

The prospects of solving of the radon problem in Azerbaijan

16,30 – 16,50

Daraktchieva Z.

New temperature based seasonal correction factors for estimating annual average radon concentration in UK

16,50 – 17,10

Sorimachi A.

Measurements of dry deposition flux for nanometer-size particles using unattached radon decay products

Wednesday, September 17th

Morning session (chairing – Ryoko Fujiyoshi, Ivan Barnet)

9,00 – 9,20

Barnet I., Slovák J., Pacherová P., Paleček M.

The interactive web application „Complex Rn information for administrative units“

9,20 – 9,40

Fujiyoshi R., Ohno M., Okamoto K., Umegaki K.

Variability of radon (^{222}Rn) in soil air under a temperate deciduous forest in Fukushima, Japan

9,40 – 10,00

Lucchetti C., Castelluccio M., De Simone G., Tuccimei P.

Using $^{222}\text{Rn}/^{220}\text{Rn}$ versus $^{226}\text{Ra}/^{232}\text{Th}$ activity ratio and CO_2 concentration in soil gas to trace advective fluxes

10,00 – 10,20

Matolin M.

Reliability and deviations of radon estimates in soil gas

Short coffee break 10*20 – 10*40

Morning session (chairing – Malgorzata Wysocka, Vincenzo Roca)

10,40 – 11,00

De Simone G., Lucchetti C., Castelluccio M., Tuccimei P., Curatolo P., Giorgi R., Cali A.

Assessment of subsoil and groundwater contamination from NAPL using soil radon

11,00 – 11,20

Cosma C., Cucos (Dinu) A., Papp B., Dicu T., Moldovan M., Burghese B., Nita D.C., Begy R., Dumitru O.A., Sainz C.

IRART Project: Some findings and conclusions regarding radon exposure and mitigation in Baita-Steii area

11,20 – 11,40

Roca V., Buompane R., Mattone C., Sabbarese C., Pugliese M., Quarto M., De Cesare W., Giudicepietro F., Martini M., D'Auria L.

Direct measurement of radon and thoron exhalation rate with high resolution alpha spectrometry

11,40 – 12,00

Wysocka M., Chalupnik S., Chmielewska I., Bonczyk M.

Radon exhalation in areas affected by mining: investigations in abandoned and reclaimed settling pond

Lunch break 12*00 – 13*30

Afternoon session (chairing – François Tondeur, Luis Quindós Poncela)

13,30 – 13,50

Catalano R. Immé G., Mangano G., Morelli D., Aranzulla M.

Laboratory methodology to study how physical parameters influence radon transport in porous media

13,50 – 14,10

Choi Seung-chan, Kim Seon-hong, Kim Do-hyeon, Kang Gyeong-min, Kim Min-jun, Cho Seung-yeon

A study on radon emission assessment of building materials in South Korea

14,10 – 14,30

Tondeur F., Cinelli G.

Why indoor radon data are not log-normal, but may sometimes be approximately

14,30 – 14,50

Froňka A.

Radon diagnosis procedures focused on energy efficient buildings

14,50 – 15,10

Quindós-Poncela L.S., Sainz-Fernandez C., Fuente-Merino I., Gutierrez-Villanueva J.L., Fernandez-Villar A., Quindós López L., Fernández-López E.

A prototype for a more accurate evaluation of radon exposure in workplaces

Short coffee break 15*10 – 15*30

Afternoon session (chairing – Martin Neznal, Martin Jiránek)

15,30 – 15,50

Jiránek M.

Radon Preventive and Remedial Measures in the Czech Republic

15,50 – 16,10

Moučka L.

Radon and legal disputes in Czech Republic

16,10 – 16,30

Neznal M., Blahušiak P., Grządziel D., Holý K., Kovács T., Kozak K., Mazur J., Müllerová M., Nagy E., Neznal M., Shahrokhi A.

International intercomparison measurement of radon concentration in water

16,30

Main poster session

Bürkin W., Dielmann R., Rößler F.A.

Characterization of an Electronic Device for Surveilling Radon Concentration, Personal Exposure and Dose in Real Time

Cucoş (Dinu) A., Cosma C.

Population exposure to indoor radon in some energy efficient houses from Romania

Fruţos B., Olaya M.

Study of the energy cost associated with the loss of thermal comfort due to the application of a ventilation technique implemented in a home in order to reduce radon concentration

Moješ A., Marko F., Porubčanová B.

The results of profile radon emanometry measurements crossing tectonic zones

Ohno M., Fujiyoshi R., Okamoto K., Umegaki K.

Tracing soil radon concentration during typhoon season at a forest site in Fukushima, Japan

Omori Y.

Covariance structure analysis for outdoor, indoor and underfloor radon concentration

Workshop dinner 19,30 – Wednesday !!

Thursday, September 18th

Morning session (chairing – Paola Tuccimei, Robin Watson)

9,00 – 9,20

Kim Seon-Hong, Kang Gyeong-Min, Choi Seung-Chan, Kim Do-Hyeon, Kim Min-Jun, Cho Seung-Yeon

Radon removal assessment using commercial air cleaners in South Korea

9,20 – 9,40

Watson R.J., Ganerød G.V., Erichsen E., Finne T.E., Neeb P.R., Rønning J.S., Tangstad R.

Radon from building materials - a procedure for reducing risk by monitoring at source

9,40 – 10,00

Tuccimei P., Castelluccio M., De Simone G., Lucchetti C., Moroni M.

In situ measurements of soil gas permeability using PRM3 permeameter. Implication as controlling variable to quantify the geogenic radon potential

10,00 – 10,20

Streil T., Oeser V., Horak G., Kobelt S., Duzynski M., Sabol J.

THORON-SCOUT The first diffusion based Radon and Thoron active monitor for long term measurements in buildings

Short coffee break 10*20 – 10*40

Roundtable discussions

starting 10*40

RISK COMMUNICATION, EDUCATIONAL EXPERIENCES;

starting 10*40 (... in parallel)

RADON IN SOIL GAS – SUITABLE METHODS OF SOIL GAS SAMPLING, INTERCOMPARISON MEASUREMENTS

Lunch break 12*00 – 13*30

starting 13*30

EUROPEAN GEOGENIC RADON MAP AND ATLAS OF NATURAL RADIATION

Friday, September 19th

Field excursion Departure: Friday 8,30 - in front of hotel DAP