

Programme of the 11th International Workshop on the Geological Aspects of Radon Risk Mapping

Monday, September 17th : Registration 17,30 – 20,30

Tuesday, September 18th : Registration 8,00 – 9,30

Opening of the Workshop, Welcome, Introduction - do not miss 9*30

Morning session (chairing – Ivan Barnet, Boris Dehandschutter)

Barnet I., Pacherová P.

New version of radon index maps 1 : 50 000 of the Czech Republic..... 10*00

Dehandschutter B.

Radon Risk Mapping based on OneGeology-Europe geological units..... 10*15

Gruber V., Bossew P., Tollefsen T., De Cort M.

A first version of a European Geogenic Radon Map (EGRM)..... 10*30

Bossew P.

Classification of geological types according to the radon potential..... 10*45

Bossew P.

The influence of observation protocols on reported values of Rn in soil air 11*00

Vasilyev A., Onishchenko A., Yarmoshenko A., Zhukovsky M.

Radon mapping based on indoor radon survey results and geological aspects 11*15

**Sainz-Fernandez C., Fernandez-Villar A., Fuente-Merino I., Gutierrez Villanueva J.L.,
Matarranz J.L., Quindos Lopez L., Quindós-Poncela L. S.**

Latest news about radon mapping in Spain..... 11*30

Matolín M., Neznal M., Neznal M.

International intercomparison measurement of soil-gas radon concentration
(RIM 2010).....11*45

Lunch break 12*00 – 13*30

Afternoon session (chairing – Martin Jiranek, Peter Bossew)

Bartzis J., Zeeb H., Bochicchio F., Mc Laughlin J., Collignan B., Gray A., Kalimeri K.

An overview of the activities of the RADPAR (Radon Prevention and Remediation)
Project..... 13*30

Jiránek M.

Design and application of radon-proof courses 13*45

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

Indoor radon concentrations and its exhalation rates from building materials
used in Sicily (Italy)..... 14*00

Smethurst M.A., Watson R.J., Finne I., Ganerød G.V., Rudjord A.L.
Norwegian bedrock and drift geology as a predictor of indoor radon concentrations..... 14*15

Pantinakis A., Markopoulos Th., Manoutsoglou E.
The effect of sample thickness and grain size in the determination of the exhalation rate of radon from soil, in the laboratory..... 14*30

Aït-Ziane M., Cherchali H., Grine R., Mokrani-Lounis Z., and Allab M.
Some investigations about radon in groundwater from El-Hodna Chott region (Algeria).....14*45

Break and poster session 15*00 – 15*30
Afternoon session (chairing – Matej Neznal, Paola Tuccimei)

Harley N.H., Chittaporn P., Fisenne I.M.
Earthquake Prediction with Unattached Radon Decay Products.....15*30

Alonso H., Rubiano J. G., Arnedo M. A., Tejera A., Gil J. M., Rodríguez R., And Martel P.
Mapping radon gas concentration in soils in Fuerteventura island 15*45

Arnedo M. A., Alonso H., Rubiano J. G^a, Tejera A., Gil J. M., Rodríguez R., and Martel P.
Mapping radon gas concentration in soils in Lanzarote island..... 16*00

Gregorič I., Kovács T., Szeiler G., Fábíán F., Kardos A., Kobal K., Vaupotič J.
Natural radioactivity of Slovenian soils..... 16*15

Barbosa S.M., Correia D., Nero J.M., Pereira A.C. and Neves L.F.
Soil-gas radon monitoring in rehabilitated tailings from uranium ore processing: the case of the Urgeiriça old dam, Central Portugal..... 16*30

Capaccioni B., Cinelli G., Mostacci D., Tositti L.
Natural radioactivity and radon risk assessment in the Vulsini volcanic district..... 16*45

Castelluccio M., Lucchetti C., Tuccimei P.
Assessing the relationships between soil radon concentrations and the occurrence of shallow underground caverns 17*00

De Cicco F., Buompane R., Marseglia U., Mattone C., Pugliese M., Quarto M., Roca V., Sabbarese C., Giudicepietro F., De Cesare W., Aquino I., Del Gaudio C., Ricco C.
Methods for the characterization of a seismo-volcanic area using radon, thoron and their parents..... 17*15

Feyzullayev A.A.
About seismotectonic control of a ground radon flux..... 17*30

Wednesday, September 19th

Morning session (chairing – Petra Pacherova, Valeria Gruber)

Fujiyoshi R., Okabayashi M., Sakuta Y., Okamoto K., Sumiyoshi T., Kobal I., Vaupotič J.

Soil radon in winter months under cool temperate deciduous stands in Hokkaido, Japan.....9*00

Essaouif Z., Ouguidi J., Misdaq M.A., Outeqablit K., Chaouqi A., Mortassim A., Erramli H.

The influence of lithology and granulation on radon emanation in a sedimentary phosphatic deposit using solid state nuclear track detectors 9*15

Lucchetti C., Castelluccio M., Tuccimei P.

Using $^{222}\text{Rn}/^{220}\text{Rn}$ activity ratio and CO_2 concentration in soil gas to trace advective fluxes 9*30

Ouguidi J., Misdaq M.A., Chaouqi A., Mortassim A., Erramli H.

^{222}Rn , ^{220}Rn and their progeny measured inside a karstic cave and resulting radiation dose to speleologists 9*45

Täht-Kok K., Štokalenko M., Petersell V.

High concentrations of Rn in soil air reveal a fracture zone in the bedrock of the Tapa area, Estonia 10*00

Otahal P., Burian I., Vosahlik J., Merta J., Fialova E.

Standardisation of radon in soil measurements 10*15

Short break 10*30 – 10*45

Thinova L., Fronka A., Navratilova Rovenska K., Johnova K.

Brief information about hidden fault systems investigation at the Etna volcano vicinity..... 10*45

Tommasino L., Cardellini F., Kozak K., Mazur J.

New measurement-strategies for radon in water and in soil 11*00

Vaupotič J., Gregorič A., Kobal I., Fujiyoshi R., Okabayashi M., Sakuta Y., Ichikawa T., Neznal M., Neznal M.

Radon in soil gas at selected sites in Hokkaido, Japan..... 11*15

Friedmann H.

The indoor Rn-concentration: schools, kindergartens and official buildings versus homes 11*30

Cucos Dinu A., Cosma C., Dicu T., Burghele B.

First preliminary indoor radon map in Romania and future perspectives.....11*45

Lunch break 12*00 – 13*30

Afternoon session (chairing – Martin Neznal, Francois Tondeur)

- Guatieri S., Simone L., Faure-ragani M., Chmill V., Caccia M., Defilippis I.**
Development of a ZigBEE based wireless data transmission system for radon concentration measurement devices 13*30
- Kropat G., Bochud F., Gruson M., Murith C., Laedermann J.-P., Baechler S.**
Kernel regression based mapping of indoor radon concentrations in Switzerland 13*45
- Mazur J., Kozak K.**
The problems of determining annual effective dose due to radon inhalation 14*00
- Moreno V., Bach J., Baixeras C., Font LI.**
Influence of volcanic subsoil on indoor radon levels in Olot (NE Spain)..... 14*15
- Nakajima T., Niida T., Esumi S., Chujo T., Inaba M., Miake Y., Tanaka N.**
Radiation Education with Radon Detector - Detector Development and Implementation at High School 14*30
- Panero L.M. , Chmill V., Caccia M., Chiaberto E.M., Serena E. , Magnoni M.**
Indoor radon entry rates in areas of Piedmont (North-Western Italy) with high natural radioactivity levels 14*45

Break and poster session 15*00 – 15*30

Afternoon session (chairing Ales Fronka, Ryoko Fujiyoshi)

- Tondeur F., Cinelli G.**
A software for indoor radon risk mapping 15*30
- Fronka A., Jiranek M., Rovenska K., Moucka L.**
Radon diagnosis in the context of energy savings technologies: case studies 15*45
- Cryer S.**
Status update of radon measurement and mitigation in Canada..... 16*00
- Veliyeva F.F., Aliyev Ch.S., Feyzullayev A.A., Baghirli R.J., Pampuri L., Hoffmann M. and Valsangiacomo C.**
Indoor radon mapping in Azerbaijan..... 16*15
- Yarmoshenko I., Onishchenko A., Zhukovsky M.**
Approach to establish indoor radon local reference level based on radon survey..... 16*30
- Zhukovsky M., Yarmoshenko I., Kiselev S.**
Analysis of the possible radon protection strategies in Russia 16*45
- Csordas A., Kovacs T., Fabian F., Jonas J.**
Preliminary results from an indoor radon thoron survey in V4 countries 17*00
- Ghilane M., Ouguidi J., Misdaq M.A., Outeqablit K., Chaouqi A., Mortassim A., Erramli H., Karime M.**
Radon, thoron and their decay products measured inside two Moroccan thermal stations and resulting radiation doses to the bathers and working personnel 17*15

Posters – poster sessions on Tuesday and Wednesday 15:00–15:30

Amrane M., Misdag M.A., Ouguidi J., Chaouqi A., Mortassim A., Karime M., Essaouif Z.
Concentrations of ^{222}Rn , ^{220}Rn and their decay products measured in outdoor air in various rural zones (Morocco) by using solid state nuclear track detectors and resulting radiation dose to the rural populations

Essaouif Z., Ouguidi J., Chaouqi A., Mortassim A., Outeqablit K., Misdag M.A., Chaib A., Erramli H.
Measurement of radon, thoron and their progeny in soil gas in a semi-arid area (Marrakech region, Morocco) by using CR-39 and LR-115 II track detectors

Kozak K., Mazur J., Grządziel D., Polednik B., Dudzińska M.R.
The influence of indoor air parameters on the variability of radon and its decay products – preliminary results in the lecture hall at Lublin University of Technology, Poland

Nakajima T., Niida T., Esumi S., Chujo T., Inaba M., Miake Y., Tanaka N.
Radiation Education with Radon Detector - Detector Development and Implementation at High School

Thinova L., Fronka A., Navratilova Rovenska K.
Radon in soil gas concentration and gamma spectrometry in situ – dependencies

Watson R.J., Ganerød G., Erichsen E., Finne T.E., Neeb P.R., Rønning J.S., Tangstad R.
Reducing radon risk by monitoring building materials

Burghel B., Cucos-Dinu A., Stojanovska Z., Cosma C.
Thoron/radon measurements in Romania and comparison with Macedonian schools

Buerkin W., Dielmann R.
Discrimination of radon from thoron using appropriate evaluation algorithm

Kula A., Przylibski T.A.
 ^{226}Ra , ^{228}Ra and ^{222}Rn isotopes in groundwater in southern Poland – limitations and benefits of the use of water

Workshop dinner 19,30

Thursday, September 20th

Roundtable discussions

starting 9*00

EUROPEAN GEOGENIC RADON MAP –GEOLOGICAL CLASSIFICATION AND GEOGENIC RADON DATABASE

starting 11*00 (... in parallel)

RADON IN SOIL GAS – METHODS OF SOIL GAS SAMPLING AND THEIR IMPACT ON MEASUREMENT RESULTS, PROTOCOLS FOR SOIL RADON

starting 13*00 (... maybe still in parallel)

EARST initiative

Friday, September 21st (+ Saturday, September 22nd)

Field excursion

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