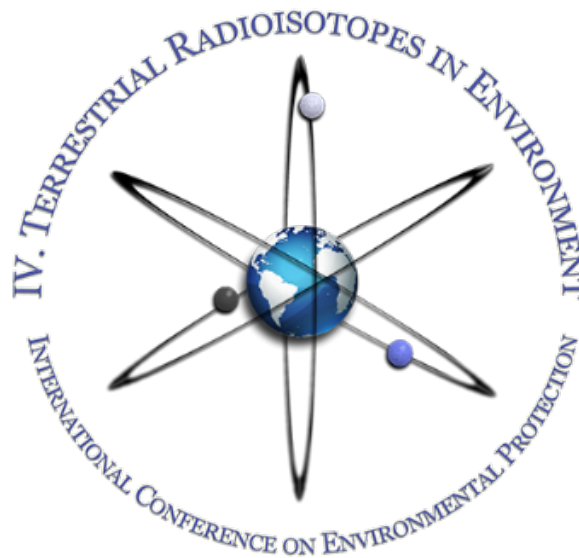




Timetable of the conference

IV. Terrestrial Radionuclides in Environment International Conference on Environmental Protection



21-23th May 2014
Veszprém, Hungary

8:00-12:00 Registration

9:00 **OPENING CEREMONY**

Ferenc Friedler (Rector, University of Pannonia): Official Opening

Ákos Horváth (Director-General, Centre for Energy Research): Environmental Radioactivity measurements at Centre for Energy Research

Session I. Environmental monitoring

Session chair: *Constantin Cosma, Istvan Csige*

9:40 *B. Máté, K. Sobiech-Matura, T. Altitzoglou:* Radionuclide monitoring in foodstuff: Overview of the current implementation in the EU countries

10:00 *N. Kavasi, S.K. Sahoo, H. Arae, A. Takamasa, T. Aono, S. Yoshida:* Strontium-90 contamination, analysis and difficulties related to the Fukushima nuclear accident

10:20 *V. Jobbágy, J. Merešová, E. Dupuis, P. Kwakman, T. Altitzoglou, A. Rožkov, M. Hult, H. Emteborg, U. Wätjen:* Results of the EC interlaboratory comparison on gross alpha/beta activity determination in waters

10:40 **COFFEE BREAK**

Session II. Measurement technics & methods

Session chair: *Vladimir Udovicic, Viktor Jobbágy*

11:00 *E. Kovacs-Szeles:* Methods and Developments at Centre for Energy Research

11:20 *F. Schönhofer:* "Gross something", formerly known as Gross-alpha, gross-beta, gross-radium, even gross gamma - An update of critical remarks concerning legislation

11:40 *Zs. Kertész:* Characterization of uranium and thorium containing minerals by nuclear microscopy

12:00 *M. Krmar, M. Velojić, J. Hansman, A. Mihailović, N. Todorović, M. Vučinić-Vasić, R. Savić:* Wind erosion rate on Deliblato (the largest European continental sandy terrain) studied using $^{210}\text{Pb}_{\text{ex}}$ and ^{137}Cs measurement

12:20-13:20 **LUNCH**

Session III. Environmental radioactivity I.

Session chair: *Istvan Bikit, Janos Somlai*

13:20 *C. Cosma, A. Iurian, R. Incze, T. Kovacs:* Caesium content in trees bark from Romania and comparison with other European counties

13:40 *R.Cs. Begy, Sz. Kelemen, H. Simon:* Efficiency testing of Red Lake protection dam constructed on Rosu Stream by Pb-210 method

14:00 *S. Harb:* Evaluation of natural radioactivity concentration in springs water samples from siwa oasis, western desert of Egypt

14:20 *Á. Freiler, Á. Horváth, K. Török:* Radioisotopes in the metamorphic rocks of the Sopron hills (Hungary)

14:40 **COFFEE BREAK**

Session IV. Environmental radioactivity II.

Session chair: *Miodrag Krmar, Éva Kovács-Széles*

15:10 *J. Somlai:* Natural radionuclide content of Herbs

15:30 *Z. Sas:* Clay based Red Mud as Building Material in Eastern Hungarian Region, effect of heat-treatment on mixed matrix

15:50 *J. Jónás:* Po-210 vertical distribution in soil

16:10 *T. Kovács:* Po-210 content of tobacco grown on contaminated areas

16:30 **COFFEE BREAK**

Session V. Environmental radioactivity III.

Session chair: *Wouter Schroyers, Borbála Máté*

17:00 *M. Polgári:* Terrestrial Radioisotopes as paleoenvironmental proxies

17:20 *K. Popa, A. Cecal, M. Murariu, and C. Borcia:* Uranium retention and distribution on spring wheat (*Triticum aestivum* L.)

17:40 *D. Hegedüs, Á. Horváth, Á. Freiler, K. Török, A. Csordás, T. Kovács:* Mapping of alpha decaying radionuclides of a thin section of rock samples

18:00 *R.Cs. Begy, H. Simon, I. Steopoaiei:* Pb-210 inhalation due to smoking – a dose estimation

18:20 *J. D. Joksić, M. B. Radenković, V. Udovičić:* Environmental radioactivity monitoring in Serbian regulations

18:40 **Happy hour**

22/05/2014 THURSDAY

Session VI. NORM

Session chair: *Cristina Nuccetelli, Márta Polgári*

- 9:00** *W. Schroeyers, S. Schreurs:* NORM4BUILDING: A new European network for reuse of NORM residues in innovative building materials
- 9:10** *G. K. Pantelić, D. J. Todorović, J. D. Nikolić, M. M. Rajačić, M. M. Janković, N. B. Sarap:* Measurement of radioactivity in building materials in Serbia
- 9:30** *L. Máté, Á. Salik, J. Kövendiné Kónyi, L. Juhász:* The NORM situation in Hungary regarding the unregulated NORM containing putative curative products
- 9:50** *H. Yonehara, K. Iwaoka:* Situation on exposure of workers due to use of Industrial NORM in Japan
- 10:10** *M. Hegedűs:* Regarding leaching tests made on model bricks containing various amounts of red mud
- 10:30** **COFFEE BREAK**

Session VII. Environmental radioactivity IV.

Session chair: *Harry Friedman, Csaba Szabo*

- 10:50** *G. Nafezi, S. Kadiri, G. Hodolli, M. Bahtijari:* Determination of radionuclides of soil samples in Prishtina region, Kosovo
- 11:10** *I. Potoki O. Parlag, V. Maslyuk, A. Lengyel, Z. Tarics:* Long term monitoring of the natural radionuclides in Uzhgorod area
- 11:30** *M. Bakım, A Uğur Görgün:* Radioactivity in Soils and Some Terrestrial Foodstuffs from Organic and Conventional Farming Areas in Izmir, Turkey

11:50 - 12:30 Introduction of SPONSORS

12:30– 17:00 Free program
(Sightseeing, Lake Balaton, etc)

Parallel session – COST Action

14:00 – 18:00 COST core meeting

17:00 Travel to dinner venue by bus

19:00 Conference dinner

23/05/2014 FRIDAY

9:30 – 10:30 Poster Session

Session VIII. Environmental radioactivity V.

Session chair: *Doina Humelnicu, Tibor Kovács*

- 10:30** *S. Tokonami, M. Hosoda, A. Sorimachi, Y. Omori, T. Ishikawa, S.K. Sahoo, H. Kudo, C. Pornnumpa, P. Wanabongse, S. Akiba:* Comprehensive dose assessment for residents in high background radiation areas in India and China
- 10:50** *D. Joković, D. Maletić, R. Banjanac, N. Veselinović, M. Savić, V. Udovičić, B. Grabež:* A method to estimate contribution of skyshine radiation to the background spectrum of germanium detectors
- 11:10** *S. Chałupnik, M. Wysocka, I. Chmielewska:* Radium balance in discharge waters from coal mines in Poland
- 11:30** *A. Sorimachi:* Investigation on radionuclides in the environment in Fukushima Prefecture, Japan
- 11:50** *O. Ieda:* Radioactive risk communication or Civil Protection in a case of Fukushima Daiichi
- 12:10** **Closing remarks**
- 12:20** **COFFEE BREAK**

List of poster presentation:

1. *A. Eröss, H. Surbeck, K. Csondor, Á. Horváth, J. Mádl-Szőnyi and L. Lénárt:* Radionuclides in the waters of the Bükk Region, Hungary
2. *A. Iurian, G. Dercon, J. Adu-Gyamfi, L. Mabit, Gy. Kis-Benedek, A. Ceccatelli, S. Tarjan and W. Blake:* Preliminary investigations to assess the usefulness of Be-7 as radiotracer in soil covered by vegetation
3. *B.-D. Burghel:* Seasonal variations of indoor thoron in Vaslui County
4. *B. Šešlak, P. Ujić, V. Ivana, A. Kandić, M. Đurašević, I. Čeliković and Z. Milošević:* Content of K-40 and Cs-137 in wood ash
5. *C. Varlam, D. Faurescu, I. Vagner, I. Faurescu:* Tritium Concentration Variation in Precipitation and Drinking Water at ICIT
6. *D. Riekstina, J. Berzins, T. Krasta, R. Švinka, O. Skrypnik:* Evaluation of natural radioactivity in building materials used in Latvia
7. *D. Maletić, D. Joković, N. Veselinović, V. Udovičić, R. Banjanac, M. Savić, A. Dragić:* Monte Carlo simulation of the cosmogenic nuclei production in soil
8. *D. Humelnicu, D. Ganju, I. Humelnicu:* Uptake of radioactive ions from residual waters by functionalized silica
9. *D. J. Todorović, M. M. Janković, N. B. Sarap, J. D. Nikolić, M. M. Rajačić, G. K. Pantelić:* Radioactivity of waste water from coal-fired power plants in Serbia
10. *J. Hansman, D. Mrdja, I. Bikit, J. Slivka, K. Bikit, J. Nikolov, S. Forkapic, N. Todorovic:* Environmental radioactivity measurement by NaI(Tl) calibrated with Geant 4 simulation
11. *I. Faurescu, C. Varlam, D. Faurescu, I. Vagner, C. Cosma:* Underground Water Dating and Age Corrections Using Radiocarbon
12. *I. Vagner, C. Varlam, I. Faurescu, D. Faurescu:* OBT Level in Grass at ICIT Tritium Removal Facility
13. *J. Hansman, M. Krmar, Á. Koszorús, B. Andjelic:* Dependence of well type NaI(Tl) detector efficiency from source position
14. *J. Nikolov, N. Todorović, J. Barešić, I. Krajcar Bronić, I. Jakonić:* Comparison of low-level tritium and radiocarbon measurement techniques in laboratories of Novi Sad and Zagreb
15. *J. Nikolov, J. Hansman, N. Todorović, M. Krmar, A. Sironić, J. Barešić, D. Mrđa, I. Bikit:* Cs-137 and Pb-210 in the lake sediments in the Plitvice Lakes, Croatia
16. *K. Tálos, V. Gerse Sántáné, É. Kovács-Széles:* Method development for determination of ^{233}U in human urine samples by ICP-SFMS
17. *L. Sütő, Á. Horváth, B. Gombos:* Radon content of the coal waste heaps in the East Borsod Coal Basin
18. *M. Vladu, G. Bulubasa, N. Bidica, A. Miú:* Environmental Radioactivity at Tritium Removal Facility- ICIT
19. *M. M. Rajačić, D. J. Todorović, M. M. Janković, J. D. Nikolić, N. B. Sarap, G. K. Pantelić:* Beryllium-7 in atmospheric deposition. Determination of seasonal indices
20. *M. Moldovan:* Radiological survey of Hunedoara County's water supply
21. *I. Vukanac, A. Kandić, M. Đurašević, B. Šešlak, I. Čeliković and Z. Milošević:* Radionuclides content in laundry detergents available in Serbian market and assessment of radiological environmental hazards
22. *M. B. Radenković, J. D. Joksić, J. Kovačević:* Natural radionuclides content and radioactive series disequilibrium in drinking waters from Balkans region
23. *N. Todorovic:* Radioactivity in fertilizers and radiological impact
24. *R. Cs. Begy, H. Simon, E. Reizer, O. A. Dumitru:* An improved procedure for the determination of ^{210}Po in sediments by α -spectrometry
25. *R. Banjanac, V. Udovičić, D. Joković, D. Maletić, N. Veselinović, M. Savić, A. Dragić:* Gamma-ray background spectrum characteristics of HPGe detector in the Belgrade low-level underground laboratory
26. *R. Kritsanawanuwat, S. K. Sahoo, H. Arae, M. Fukushi:* Distribution of uranium, thorium and rare earth elements in plants and soil from southern Thailand
27. *C. Pornnumpa, S. Tokonami, A. Sorimachi, C. Kranrod, M. Hosoda and W. Hozumi:* The development of an impactor sampler for dose assessment due to inhaled radioactive aerosols
28. *V. Sántáné Gerse, É. Kovács-Széles:* Determination of ^{79}Se in solutions after extraction chromatographic separation by ICP-MS
29. *V. Maslyuk, O. Parlag, V. Zheltonizhskij, O. Symkanich, N. Svatyuk, Z. Tarics, O. Shpenik, G. Lazorenko:* Radionuclide method for environment diagnostics: new perspectives
30. *Y. Omori, A. Sorimachi, T. Ishikawa:* Reduction factor of public schools in Fukushima city
31. *I. Potoki, O. Parlag, V. Maslyuk, A. Lengyel, Z. Tarics:* Determination of self-absorption corrections for environmental samples gamma analysis
32. *E. Bolla:* Socio-economic approach to the Fukushima nuclear accident
33. *J. Nikolic, D. Todorovic, M. Rajacic, M. Jankovic, N. Sarap, G. Pantelic:* Coincidence summing corrections for environmental samples using EFTRAN
34. *N. B. Sarap, M. M. Janković, D. J. Todorović, J. D. Nikolić, M. M. Rajačić, G. K. Pantelić:* Soil to plant transfer factor for radiostromium
35. *M. M. Janković, D. J. Todorović, J. D. Nikolić, M. M. Rajačić, N. B. Sarap, G. K. Pantelić:* Content of radionuclides in soil samples around power plants for the ten-years period of investigation
36. *A. Shahrokhi, J. Kovács, Z. Bálint, G. Figura, A. M. Dizdar, T. Kovács:* Tempering heat treatment effects on pores structure and Radon emanation rate of Clay sample as a raw material in building industry
37. *S. Chalupnik, M. Wysocka:* Application of natural and artificial zeolites for radium removal from mine waters – extended laboratory experiments
38. *Y. Tan:* On the limit of radionuclides in cement contained coal fly ash from china standard: "Limits of radionuclides in building materials"

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