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# **ICS-REM** comparisons for radioactivity in the environment and food

Workshop for participants in the International Comparison Scheme for Radioactivity Environmental Monitoring (ICS-REM)

# **Agenda**

Joint Research Centre Institute for Reference Materials and Measurements

Geel. Belgium 22-23 October, 2013



# Participants' workshop - ICS-REM comparisons for radioactivity in the environment and food

JRC-IRMM - Geel, Belgium - 22-23 October, 2013

# Tuesday, 22 October 2013

# Comparison for gross alpha/beta determinations in Comparison for radionuclides in soil

12:00 Lunch at IRMM Cafeteria

13:00 Welcome and introduction to IRMM W. Mondelaers IRMM approach to ICS-REM U. Wätjen Preparation of gross alpha/beta comparison – selection of water samples V. Method used at SCK-CEN to determine the reference values for gross alpha/beta activity in waters

E. Dupuis/SCK-CEN, Mol, BE

Practical aspects of gross radioactivity determination using LSU.

Reference value determination for gross

V. Jobbágy determination using LSC A. Rozkov Reference value determination of alpha/beta ILC in drinking waters V. Jobbár Direct measurement of <sup>40</sup>K in water, using M. Hult Gross alpha/beta activity results from the Vinca Institute of Nuclear Sciences

G. Pantelic/Belgrade, SR Results obtained by LSC and thick source method using GPC at IST I. Lopes/IST, Bobadela, PT Gross alpha/beta activity using GPC

A. Caballero/SGL. Nicosia. CY

15:00 Coffee break

15:30 Results of the EC comparison on gross V. Jobbágy alpha/heta determination in waters Spanish study about influential factors in the gross alpha activity determination in waters
A. Camacho/UPC, Barcelona, ES

Critical remarks on gross alpha/beta activity analysis in drinking waters V. Jobbágy Discussion ΔΠ

17:45 Bus back to hotels

### Wednesday, 23 October 2013

08:30 Pickup at hotels Corbie and Roosendaelhof

09:00 Characterisation of the IAEA-375 soil reference material for radionuclide activity T. Altzitzoglou Results of the EC comparison on the determination of natural and anthropogenic radionuclides in soil

J. Merešová

ΔII

10:15 Coffee break

10:45 Discussion

Methods used for determination of radionuclides in soil, bilberry powder and water in Austria C. Landstetter/AGES, Vienna, AT

Estimating measurement uncertainty U. Wätjen Evaluating laboratory performance in

comparisons 12:00 Lunch at IRMM Cafeteria

### Wednesday, 23 October 2013

#### Comparison on <sup>40</sup>K, <sup>90</sup>Sr and <sup>137</sup>Cs in bilberry powder

13:30 Reference value determination in bilberry powder

Results of the EC comparison on <sup>40</sup>K, <sup>90</sup>Sr and <sup>137</sup>Cs determination in bilberry powder U. Wätien

Discussion 14:45 Coffee break

15:15 Pitfalls in gamma-ray spectrometry

Radioactivity monitoring in Lithuania experience with ICS-REM comparisons

B. Silobritiene/AAA, Vilnius, LT

Radiological monitoring of commodities in routine, emergency and ad-hoc cases and the role of intercomparisons E. Florou/NCSRD "Demokritos"

16:30 Workshop closure

16-45 Transfers

On Wednesday afternoon, transfers from the JRC-IRMM

will be organised (free of charge) to the

- Airport
- Train station Geel
   Train station Antwerp
- Hotels Corbie and Roosendaelhof