

JRC

JRC

Important dates and times

8:30 each day Pickup from hotel
Wednesday, 11 June, 19:00:
Dinner at "Brasserie 't Stadspark"
(10 minutes walk from hotel)

Accommodation

Hotel Corsendonk Viane
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Robust science for policy making

OUR MISSION

The mission of the Joint Research Centre is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of European Union policies. As a service of the European Commission, the Joint Research Centre functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.



The mission of the JRC-IRMM is to promote a common and reliable European measurement system in support of EU policies.

European Commission
Joint Research Centre
Institute for Reference Materials and Measurements

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Workshop organisation:
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EC measurement comparisons for radioactivity in the environment and food

Workshop for participants

JRC-IRMM
Geel, Belgium

10-12 June 2008



Participants' workshop - EC measurement comparisons for radioactivity in the environment and food

Tuesday 10 June 2008

Air filter comparison

8:30 Pickup at Hotel Corsendonk Viane

9:30 • Welcome and introduction to IRMM

- IRMM approach to ICS-REM U. Wätjen
- Air sampling and routine measurements in participants' labs, concept of comparison U. Wätjen

10:30 Coffee

11:00 • Standardisation of the spike solution

- 4 $\pi\beta$ - γ coincidence counting S. Pommé
- liquid scintillation counting T. Altitzoglou

- Dilutions and spiking G. Sibbens
- Quality control measurements T. Altitzoglou
- Evaluation and results of the comparison U. Wätjen

13:00 Lunch (IRMM cafeteria, paid by IRMM)

14:30 • Influence of geometry and re-measurement of a comparison filter M. Hult

- Spiked filter processing and activity measurements at PTB H. Wershofen / PTB, Braunschweig
- Monitoring and measurement of radioactivity in air at ITN and discussion of ILC result M.J.B. Madruga / ITN, Sacavém

15:30 Coffee

16:00 • Feedback on air filter comparison All

- Evaluating laboratory performance in comparisons P. Robouch

17:00 Bus back to hotel

Wednesday 11 June 2008

Milk powder comparison

8:30 Pickup at Hotel Corsendonk Viane

9:30 • Introduction and announcements

- Processing and packaging of the material Y. Spasova
- Determination of reference values for ⁴⁰K, ¹³⁷Cs and ⁹⁰Sr T. Altitzoglou

10:30 Coffee

11:00 • Homogeneity of distributed samples

Y. Spasova

- Preparation, separation and measurement procedures used in participants' labs Y. Spasova
- Evaluation and results of the comparison U. Wätjen
- Routine measurement of radioactivity in milk at ITN and discussion of ILC result M.J.B. Madruga / ITN, Sacavém
- Estimating uncertainty at VLA P. Hodson / VLA, New Haw Surrey

13:00 Lunch (IRMM cafeteria, paid by IRMM)

14:30 • Evaluation of comparisons with "PomPlots" S. Pommé

- Cascade summing corrections in γ -ray spectrometry M. Hult
- Inconsistencies observed in uncertainty estimations U. Wätjen
- Feedback on milk powder comparison All

15:30 Coffee

16:00 IRMM laboratory visits

17:20 Bus back to hotel

19:00 Dinner at Brasserie 't Stadspark, Parklaan 56, Turnhout

Thursday 12 June 2008

Water comparison

8:30 Pickup at Hotel Corsendonk Viane

9:30 • Introduction to the water comparison

U. Wätjen

- Separation procedures for ²³⁴U, ²³⁸U and ²²⁶Ra L. Benedik

- α -spectrometric measurements Y. Spasova

- Separation procedures for ²²⁸Ra and liquid scintillation counting M. Vasile

- Determination of ²²⁸Ra via ²²⁸Th measurement L. Benedik

11:00 Coffee

11:30 • Separation and measurement procedures used at Bundesamt für Strahlenschutz (BfS) L. Benedik / IRMM

- Determination of reference values U. Wätjen
- First overview of methods used in participants' labs L. Benedik
- First evaluation of comparison results Y. Spasova

- Status of European legislation for water C. Gitzinger, E. Henrich / DG TREN

13:00 Lunch (IRMM cafeteria, paid by IRMM)

14:30 • Methods for radionuclide determination at the Dept. of Environmental Sciences (JSI) M. Štok, B. Smodiš / JSI, Ljubljana

- Preparation and measurements of water samples M. Korun / JSI, Ljubljana
- Low level radioactivity measurements at SCK-CEN C. Hurtgen / SCK-CEN, Mol

- Feedback on water comparison All

- Trends in laboratory performance? U. Wätjen

16:10 Closing the workshop U. Wätjen

16:30 Buses back to hotel and airport