

OUR MISSION

As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.

Working in close cooperation with policy Directorates-General, the JRC addresses key societal challenges while stimulating innovation through developing new methods, tools and standards, and sharing its know-how with the Member States, the scientific community and international partners.

Joint Research Centre

The European Commission's
in-house science service

European Commission
Joint Research Centre (JRC)
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Measurement on simulated airborne particulates – ^{137}Cs in air filters

Workshop for the participants of the 2014 EC and the 2016 EVN57 – MetroERM measurement comparisons

Programme

Thursday 7 April 2016

Joint Research Centre
Institute for Reference Materials
and Measurements

- | | | | |
|-------|---|-------|--|
| 08:15 | <i>Pick up at the hotel, Geel</i> | 14:00 | Radioactivity Air Monitoring
Stefan Neumaier (PTB) |
| 08:45 | <i>Arrival at the JRC-IRMM entrance</i> | 14:30 | Contribution by participants –
Short presentations by:

Sven Poul Nielsen (DTU, DK),
Bredo Møller (NRPA, NO),
Tereza Jezková (SÚRO, CZ),
Asser Nyander Poulsen (SIS, DK),
Paola Sabatini (ARPA Umbria, IT),
Lidia Silva (C2TN, PT),
Giovanni Ferreri (FOPH, CH),
Michèle Pallmer (Division de la
Radioprotection, LU) |
| 09:00 | Welcome - Introduction – Overview
Timos Altzitzoglou (JRC) | 15:45 | <i>Coffee break</i> |
| 09:15 | About EURDEP / REM
Marc De Cort (JRC) | 16:00 | Laboratory visit |
| 09:45 | Scope and organization of the
measurement comparisons
Borbala Maté & Timos Altzitzoglou (JRC) | 17:00 | <i>End</i> |
| 10:05 | Radionuclide standardization and
filter spiking
Timos Altzitzoglou (JRC) | 17:15 | <i>Departure to the hotel, Geel</i> |
| 10:30 | <i>Coffee break</i> | | |
| 11:00 | Filter measurement and Quality Control
Timos Altzitzoglou (JRC) | | |
| 11:30 | Results-Performance-Conclusions:
REM ILC
Borbala Maté (JRC) | | |
| 11:50 | Results-Performance-Conclusions:
MetroERM ILC
Timos Altzitzoglou (JRC) | | |
| 12:15 | Discussion | | |
| 12:45 | <i>Lunch</i> | | |



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Basics of gamma-ray spectrometry and analysis of air filters

Training - Programme

Friday 8 April 2016

Joint Research Centre
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and Measurements

- 08:15 *Pick up at the hotel, Geel*
- 08:45 *Arrival at the JRC-IRMM*
- 09:00 Welcome and introduction to the SN3S-unit
Wim Mondelaers
- 09:15 The Radionuclide Metrology Sector
Mikael Hult, JRC
- 09:30 Legislation and BSS:
Marc de Cort, JRC
- 09:45 The basic equation for gamma-ray spectrometry
Mikael Hult, JRC
- 10:15 *Coffee break*
- 10:45 Full Energy Peak Efficiency
Sean Collins, NPL
- 11:15 Coincidence summing
Tim Vidmar, SCK•CEN
- 11:45 Instrumentation and Low-level gamma-ray spectrometry
Mikael Hult, JRC
- 12:15 *Lunch*
- 13:45 Gamma-ray spectrometry of air-filters
Michel Bruggeman, SCK•CEN
- 14:15 Quality System and LIMS
Michel Bruggeman, SCK•CEN
- 14:45 Aerosol physics
Christina Isaxon, Lund University
- 15:30 *Coffee break*
- 16:00 Dispersion of radioactivity in the atmosphere
Johan Camps, SCK•CEN
- 16:45 Discussion and evaluation
Mikael Hult, JRC
- 17:00 *End*
- 17:15 *Departure to the hotel, Geel*