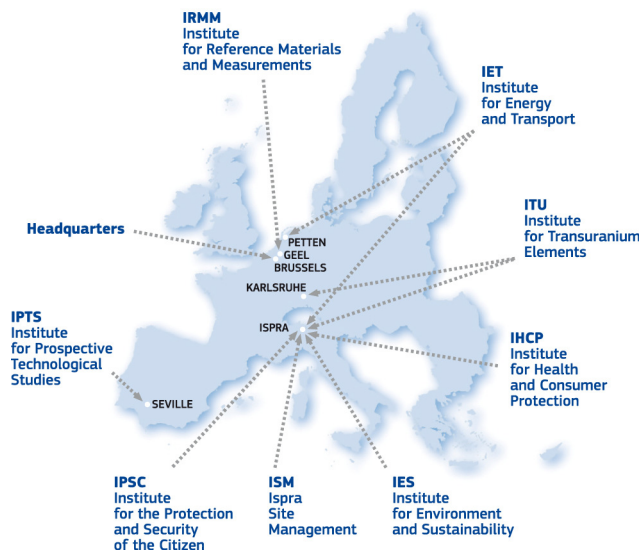




European
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JRC Sites

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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. Key policy areas include: environment and climate change; energy and transport; agriculture and food security; health and consumer protection; information society and digital agenda; safety and security, including nuclear; all supported through a cross-cutting and multidisciplinary approach.

Joint Research Centre

The European Commission's in-house scientific service

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Gamma-ray spectrometry

*Training Workshop on
Applications of gamma-ray spectrometry
to environmental samples*

Belgrade, Serbia

13 – 15 November 2012



Organized by:
European Commission - Joint Research Centre
Institute for Reference Materials and Measurements
(EC-JRC-IRMM)

in collaboration with:
Vinča Institute of Nuclear Sciences, Belgrade, Serbia

Joint
Research
Centre

Gamma-ray spectrometry

Belgrade, Serbia, 13-15 November 2012

Training Workshop on applications of gamma-ray spectrometry to environmental samples

Scope of the workshop

The training workshop aims to provide detailed knowledge on methods and procedures in the application of gamma-ray spectrometry to environmental samples. Beyond the standard approaches to efficiency calibration, difficulties of gamma-ray spectrometry with matrices in the form of volume sources and at low gamma-ray energy will be treated. Methods for true coincidence summing corrections, and efficiency transfer approaches for samples with volume and/or density different from calibration sources will be presented and exercised. Uncertainty estimation will be covered.

The workshop is organised within the Enlargement and Integration initiative of the JRC mainly for participants from the eligible countries.

The workshop is organized by JRC-IRMM (Belgium) in collaboration with Vinča Institute of Nuclear Sciences, Belgrade, Serbia. The language will be English.

Workshop topics

- Fundamentals of gamma-ray spectrometry
- Coincidence summing corrections
- Uncertainty calculations
- Understanding background
- Efficiency transfer

Participation

The workshop is open for interested nuclear physicists or radiochemists, practitioners in a gamma-spectrometric laboratory, e.g. in monitoring of environmental samples. Whereas the focus of attendance lies on participants from the new EU Member States Bulgaria and Romania, EU Candidate Countries and potential Candidate Countries, and FP7 associated countries, participation from other countries is also encouraged.

Registration

Registration is prolonged until 15 September 2012. Please send an email, accompanied by a brief CV, to uwe.waetjen@ec.europa.eu. Further details will be given on the website.

There is no registration fee. Participation is limited to 40 participants.

Accommodation and travel

JRC-IRMM will reserve a number of rooms in a hotel. Details will be given on the website.

Financial support

Full support is foreseen for participants from eligible countries under the JRC Enlargement & Integration Action (<http://ec.europa.eu/dgs/jrc/index.cfm?id=1720>), depending on requests.

Local organization

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Important dates

15 September 2012	Deadline for registration
13-15 November 2012	Training workshop

Workshop WEBSITE:

<http://irmm.jrc.ec.europa.eu/gamma-spec>