

***International Atomic Energy Agency's  
Technical Meeting on  
In-situ Methods for Characterization of Contaminated Sites***

***(TM-38924)***

**5–9 July 2010  
IAEA Headquarters, Vienna, Austria  
Meeting Room, M-Building, M4**

**PROVISIONAL AGENDA**

**Monday, 5 July 2010**

**08:30 – 09:15** Registration

**09:15 – 12:30** **Session 1**

Opening, welcome addresses and objectives of the Meeting by Mr Guenter Mank, Section Head of the Physics Section and Mr Paul Martin, Laboratory Head of the Terrestrial Environment Laboratory

Introduction of the participants

Structure and method of working for the Meeting (*Ms Alessia Ceccatelli, Mr Andreas-Germanos Karydas*)

Administrative arrangements for the meeting (*Ms Alessia Ceccatelli, Mr Andreas-Germanos Karydas*)

Election of Chairperson of the Meeting

Appointment of Rapporteur(s)

Adoption of Agenda

Presentation of the IAEA project for site characterization

IAEA	<i>Mr Monken Fernandez, Horst Richard S.</i>	The IAEA Project to Develop a Mobile Unit for Site Characterization
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**Session 2**

Presentations (30 minutes per participant)

Albania	<i>Mr Civici, Nikolla</i>	Application of a portable EDXRF spectrometer for in-situ measurements of pollutants in overbank sediments of Mati River (Northern Albania).
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**11.00-11.30** Coffee Break

Argentina	<i>Ms Castellanos Macchiorlato, Ana María</i>	Journey monitoring methodology for radiological measurement of large areas.
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Australia	<i>Ms Barnes, Emma</i>	Consideration for an automated system to detect 'Hot' particles.
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**12:30 – 14:00** Lunch break

**14:00 – 17:30** **Session 2 (cont.)**

Presentations (30 minutes per participant)

Brazil	<i>Mr da Silva, Nivaldo Carlos</i>	Use of in-situ gamma spectrometry for environmental monitoring of a formal disposal site of product from monazite chemical processing.
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Brazil	<i>Mr Ferreira Moreira, Marcos Cesar</i>	An optimized NaI(Tl) multi-detector method for the determination of spatial contamination in urban areas.
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China	<i>Mr Ge, Liangquan</i>	Applications of Portable XRF or gamma spectrometry in environment and uranium investigation.
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**15.30-16.00** Coffee Break

Czech Republic	<i>Mr Simek, Pavel</i>	Evolution of Contamination in the Ploučnice River Basin (Bohemia) due to uranium mining in the period 1992-2009.
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Egypt	<i>Ms Diab, Hanan</i>	Occupational Exposure For Working Staff in the Egyptian Ceramics Industry.
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France	<i>Mr Dubot, Didier</i>	In situ methods for characterization of contaminated sites
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**Tuesday, 6 July 2010**

**09:00 – 12:30** **Session 2 (cont.)**

Presentations (30 minutes per participant)

Greece	<i>Mr Clouvas, Alexandros</i>	Fifteen year experience of the Nuclear Technology Laboratory of the Aristotle University of Thessaloniki in the technique of in-situ gamma spectrometry: Presentation of the major results.
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Greece	<i>Mr Tsabaris, Christos</i>	In-situ radionuclide quantitative characterization in aquatic ecosystems using the KATERINA detector.
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<b>10.30-11.00</b>	Coffee Break		
	Hungary	<i>Mr Bodor, Karoly Balazs</i>	Measurements with the Mobile Laboratory of the Atomic Energy Research Institute.
	Italy	<i>Ms Manes, Daniela</i>	Radiological survey of the ITREC plant.
	Italy	<i>Ms Nuccetelli Cristina</i>	Experience at the Istituto Superiore di Sanita on environmental research and monitoring with in-situ gamma techniques.
<b>12:30 – 14:00</b>	Lunch break		
<b>14:00 – 17:30</b>	<b>Session 2 (cont.)</b>		
	Presentations (30 minutes per participant)		
	Jamaica	<i>Mr Voutchkov, Mitko</i>	Application of field portable XRF for in-situ screening of heavy metal contamination of Jamaican soils.
	Lithuania	<i>Ms Pilkyte, Laima</i>	Experience of investigation of contaminated sites in Lithuania.
	Montenegro	<i>Mr Jovanovic, Slobodan</i>	The effective solid angle concept and ANGLE v3.0 computer code for semiconductor detector gamma-efficiency calculations – applicability to in-situ characterization of contaminated sites.
<b>15.30-16.00</b>	Coffee Break		
	Spain	<i>M. Margui, Eva</i>	Possibilities and drawbacks of portable XRF instrumentation for characterization of metal contaminated sites.
	United States of America	<i>Mr Patterson, John</i>	Recent advances in Handheld XRF for Site Remediation.
	Uruguay	<i>Ms Odino Moure, María del Rosario</i>	Environmental Radioactivity Monitoring Plan in Uruguay.

### **Wednesday, 7 July 2010**

#### **09:00 – 12:30 Session 3 (Meeting Room M4 and MOE68)**

Summary of the presentations including current status, new applications, advantages/benefits, limitations, current developments, trends/needs for further work, significance with respect to IAEA.

*Work in subgroups*

**10.30-11.00** Coffee Break

**11:00 – 12:30** **Session 3 (cont.)**

Summary of the presentations including current status, new applications, advantages/benefits, limitations, current developments, trends/needs for further work, significance with respect to IAEA.

*Work in subgroups (cont.)*

**12:30 – 14:00** Lunch break

**14:00 – 17:30** **Session 3 (cont.)**

Summary of the presentations including current status, new applications, advantages/benefits, limitations, current developments, trends/needs for further work, significance with respect to IAEA.

*Work in subgroups (cont.)*

**15.30-16.00** Coffee Break

Role of the IAEA in promotion and effective use of nuclear spectrometry and associated analytical methodologies for in-situ characterization of contaminated sites.

*Work in subgroups (cont.)*

**18:30 / 19:00** Hospitality event. Dinner at the Restaurant “Zur Altekaisermuehle”  
**- open end** Please see the attached invitation and map.

### **Thursday, 8 July 2010**

**09:00 – 12:30** **Session 4 (Meeting room M4 and MOE70)**

Presentation of the working groups to the plenary session and discussion

Drafting meeting report

**10:30 – 11:00** Coffee Break

Presentation of the working groups to the plenary session and discussion

Drafting meeting report (cont)

**12:30 – 14:00** Lunch break

**14:00 – 17:30** **Session 5**

Formulation and Drafting of Conclusions and Recommendations, Review of the Meeting Report

**15:30 – 16:00** Coffee Break

Formulation and Drafting of Conclusions and Recommendations, Review of

the Meeting Report

**Friday, 9 July 2010**

**09:00 – 10:30    Session 5 (cont.)**

Final Discussion

**10:30 – 11:00    Coffee Break**

Adoption of the Meeting Report

Closing of the Meeting