

**Steering Committee:**

Hendrik Emons	IRMM	Chair
Stephen Wise	NIST	Vice-chair
Julian Braybrook	LGC	
Koichi Chiba	NMIJ	Asia-Pacific Representative
Ales Fajgelj	IAEA	
Michele Schantz	NIST	TDRM AOAC International Representative

**Programme Committee:**

Maria Betti (Chair)	IAEA
Julian Braybrook	LGC
Koichi Chiba	NMIJ
David Donohue	IAEA
Hendrik Emons	IRMM
Ales Fajgelj	IAEA
Manfred Groening	IAEA
Hartmut Nies	IAEA
Mike Sargent	LGC
Michele Schantz	NIST
Stephen Wise	NIST

**IAEA Secretariat:**

Scientific Secretary	Ales Fajgelj
Conference Services	Martina Khaelss
	Martina Neuhold
Secretarial Support	Karin Will
	Eva Moedlhammer
	Agnes Pirkfellner
TC Coordination	Adeline Djeutie

**Location of the Symposium:**

International Atomic Energy Agency  
 Vienna International Centre (VIC)  
 M Building, Board Room A, 2<sup>nd</sup> floor  
 1400 Vienna, Austria  
 Tel.: (+43 1) 2600 21315  
 Fax: (+43 1) 2600 7

**Working Language:**

English

**Resolutions:**

No resolutions may be submitted for consideration on any subject; no votes will be taken.

**TIMETABLE****Sunday, 24 June 2012**

16:00-18:00 Registration and distribution of symposium material Gate 1

**Monday, 25 June 2012**

08:00 Registration Gate 1  
 08:00 Distribution of symposium material M Building  
 09:00-09:30 Opening Session Boardroom A  
 09:30-10:15 Plenary Session 1 Boardroom A  
 10:15-10:45 *Coffee Break*  
 10:45-12:15 Parallel Session 1.1 Food and Reference Materials Boardroom A  
 10:45-12:15 Parallel Session 2.1: Standardization, Metrology and International Cooperation Room M4  
 12:15-13:45 *Lunch Break*  
 13:45-15:15 Parallel Session 1.2: Food and Reference Materials Boardroom A  
 13:45-15:15 Parallel Session 2.2: Standardization, Metrology and International Cooperation Room M4  
 15:15-15:45 *Coffee Break*  
 15:45-16:45 Parallel Session 2.3: Standardization, Metrology and International Cooperation Boardroom A  
 17:00-19:00 Welcome Reception

**Tuesday, 26 June 2012**

08:30-10:15 Plenary Session 2 Boardroom A  
 10:15-10:45 *Coffee Break*  
 10:45-12:15 Parallel Session 3.1: Health, Medicine and Forensics Boardroom A  
 10:45-12:15 Parallel Session 4.1: Reference Materials Production, Trends and Techniques Room M4  
 12:15-13:45 *Lunch Break*  
 13:45-15:15 Parallel Session 3.2: Health, Medicine and Forensics Boardroom A  
 13:00-15:15 Special Session 1: Environmental Nuclear Fingerprints Room M4  
 15:15-15:45 *Coffee Break*  
 15:45-17:00 Special Session 1 (cont'd): Environmental Nuclear Fingerprints Room M4  
 16:00-18:00 Poster Session 1 Ground floor of building M

**Wednesday, 27 June 2012**

08:30-10:15 Plenary Session 3 Boardroom A  
 10:15-10:45 *Coffee Break*  
 10:45-12:15 Parallel Session 4.2: Reference Materials Production, Trends and Techniques Boardroom A  
 10:45-12:15 Parallel Session 3.3: Health, Medicine and Forensics Room M4  
 12:15-13:45 *Lunch Break*  
 13:45-15:15 Parallel Session 4.3: Reference Materials Production, Trends and Techniques Boardroom A  
 13:00-15:20 Special Session 2: Stable Isotope Reference Materials Room M4  
 15:15-15:45 *Coffee Break*  
 15:45-17:20 Special Session 2 (cont'd): Stable Isotope Reference Materials Room M4  
 16:00-18:00 Poster Session 2 Ground floor of building M

**Thursday, 28 June 2012**

08:30-10:15 Plenary Session 4 Boardroom A  
 10:15-10:45 *Coffee Break*  
 10:45-12:05 Parallel Session 3.4: Health, Medicine and Forensics Boardroom A  
 10:45-12:15 Parallel Session 4.4: Reference Materials Production, Trends and Techniques Room M4  
 12:05-13:45 *Lunch Break*  
 13:45-15:25 Parallel Session 5: Environmental Reference Materials Boardroom A  
 13:45-15:05 Parallel Session 4.5: Reference Materials Production, Trends and Techniques Room M4

**Friday, 29 June 2012**

09:00-10:35 Special Session 3: Reference Materials for Emergency Situations Room M4  
 10:35-11:00 *Coffee Break*  
 11:00-12:45 Special Session 3 (cont'd): Reference Materials for Emergency Situations Room M4  
 12:45-13:00 Closing Session Room M4

**SUNDAY, 24 JUNE 2012**

**16:00–18:00**

**Registration and distribution of  
symposium material**

**MONDAY, 25 JUNE 2012**

**08:00**            **Registration and distribution of symposium material**

**09:00–09:30**    **OPENING SESSION**

**Room:**            **Boardroom A**

**Chairperson:**   **A. Fajgelj, IAEA**

**D. Mohamad, IAEA**  
Deputy Director General  
Head of Department of Nuclear Sciences and Applications

**K. Aning, IAEA**  
Deputy Director General  
Head of Department of Technical Cooperation

**M. Betti, IAEA**  
Director  
IAEA Environment Laboratories  
Department of Nuclear Sciences and Applications

**H. Emons, European Commission**  
Joint Research Centre (JRC)  
Institute for Reference Materials and Measurements (IRMM)

**09:30-10:15**    **PLENARY SESSION 1**

**Room:**            **Boardroom A**

**Chairpersons:**   **M. Betti, IAEA**  
**H. Emons, EC/JRC/IRMM**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:30–10:15	INV001	<b>S. Wise</b>	United States of America	Assessing Food and Human Nutritional Status – CRM Needs and Challenges
10:15–10:45	<i>Coffee Break</i>			

**10:45-12:15**      **PARALLEL SESSION 1.1**  
**Food and Reference Materials**

**Room:**            **Boardroom A**

**Chairpersons:**   **G. Auclair, EC/JRC/IRMM**  
**C. Rimmer, United States of America**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV005	<b>C.M. Pfeiffer</b> R.L. Schleicher	United States of America	Biological Reference Materials and the Measurement of Nutrition Biomarkers in Population Surveys
11:15-11:35	060	<b>M. Aoyama</b> H. Ota M. Kimura T. Kitao et al.	Japan	Current Status of Homogeneity and Stability of the Reference Materials for Nutrients in Seawater
11:35-11:55	081	<b>A. Dieter</b> T. Shinonaga D. Hampe	Germany	Determination of Low-Level Naturally Occurring Radionuclides in Food Standard Reference Materials: IAEA-414 and NIST SRM 4359
11:55-12:15	116	<b>M. Llaurado</b> J. Tent D. Zapata A. Sahuquillo et al.	Spain	Quality Control Material for the Determination of Radionuclides in Food Ashes

**10:45-12:15**      **PARALLEL SESSION 2.1**  
**Standardization, Metrology**  
**and International Cooperation**

**Room:**            **M4**

**Chairpersons:**    **I. Kuselman, Israel**  
**M. Sargent, United Kingdom**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV006	<b>S.L.R. Ellison</b> J. Miguez G.D. Holcombe D. Curtis N. Barnes	United Kingdom	An Evaluation of Alternative RM Stability Test and Monitoring Strategies
11:15-11:35	053	<b>T. Ahmad</b>	Pakistan	Standard Operating Procedure for Use of Reference Materials as Crucial Tools for Quality Assurance and Food Analysis
11:35-11:55	095	<b>P. He</b> P. Zhai D. Xu	China	Accreditation of Reference Material Producers in China
11:55-12:15	199	<b>G. Holcombe</b> S. Ellison	United Kingdom	Expertise and Economics in Reference Material Production
12:15-13:45	<i>Lunch Break</i>			

**13:45-15:15**      **PARALLEL SESSION 1.2**  
**Food and Reference Materials**

**Room:**            **Boardroom A**

**Chairpersons:**   **M. Llaurado, Spain**  
**K. Pfeiffer, United States of America**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45-14:15	INV007	<b>G. Auclair</b> I. Zegers H. Schimmel S. Trapmann H. Emons	EC/JRC/IRMM	Challenges and Approaches for Protein Certified Reference Materials
14:15-14:35	143	<b>M.A. Quilliam</b> P. McCarron	Canada	Certified Reference Materials for Marine and Freshwater Algal Biotoxins
14:35-14:55	148	<b>J.M. Rodrigues</b> E.C.P. do Rego T.M. Monteiro W.F.C. Rocha et al.	Brazil	Development of a Certified Reference Material (CRM) for Cachaça: An Effective Material for Quality Assurance
14:55-15:15	211	<b>C.A. Rimmer</b> M.M. Phillips L.J. Wood	United States of America	Improving Measurement Capabilities: Interlaboratory Studies for Foods and Dietary Supplements

**13:45–15:15**      **PARALLEL SESSION 2.2**  
**Standardization, Metrology and**  
**International Cooperation**

**Room:**            **M4**

**Chairpersons:**   **P. He, China**  
**G. Holcombe, United Kingdom**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45–14:15	INV008	<b>A. Held</b> M. Ricci H. Emons	European Commission, IRMM	CRMs for the EU Water Framework Directive
14:15-14:35	112	T. Gadrich E. Bashkansky <b>I. Kuselman</b>	Israel	Unbiased Estimation of Variation of Qualitative and Semi-Quantitative Results of Testing
14:35-14:55	120	<b>M. Malek</b> A. Fajgelj	Canada	Process Mapping for Reference Material Production and Development of Supporting Software
14:55-15:15	156	<b>M. Sargent</b>	United Kingdom	Traceable Reference Materials from Accredited Producers: The Users' Perspective
15:15–15:45	<i>Coffee Break</i>			



**15:45-16:45**      **PARALLEL SESSION 2.3:  
Standardization, Metrology and  
International Cooperation**

**Room:**            **Boardroom A**

**Chairpersons:**   **S. Ellison, United Kingdom  
S. Sauvage, ISO**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:45-16:05	064	<b>A. Botha</b>	South Africa	General Guidance for the Value Assignment of Reference Materials – A Proposed Scope for the Revision of ISO Guide 35
16:05-16:25	065	<b>W. Bremser</b>	Germany	Approaches to Traceability of Certified Reference Materials
16:25-16:45	192	<b>P. De Bièvre</b> R. Dybkær A. Fajgelj D.B. Hibbert	Belgium	Metrological Traceability of Measurement Results in Chemistry
17:00–19:00	<i>Welcome Reception: M Building Ground floor</i>			

**TUESDAY, 26 JUNE 2012****08:30-10:15**      **PLENARY SESSION 2****Room:**            **Boardroom A****Chairpersons:**    **J. Braybrook, United Kingdom**  
**S. Wise, United States of America**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
08:30–09:15	INV002	<b>O. Donard</b>	France	Elemental Speciation and Reference Materials: More Than a Stepping Stone, a Necessary Pathway for the Development of Speciation Analysis
09:15–09:45	INV009	<b>M. Kühne</b>	BIPM	Primary Calibrant CRMs and Metrological Traceability
09:45–10:15	INV010	<b>S. Sauvage</b>	ISO	The International Organization for Standardization (ISO) and the ISO Committee on Reference Materials (ISO/REMCO)
10:15–10:45	<i>Coffee Break</i>			

**10:45-12:15**      **PARALLEL SESSION 3.1**  
**Health, Medicine and Forensics**

**Room:**            **Boardroom A**

**Chairpersons:**   **P. Corbisier, EC/JRC/IRMM**  
**M. Lacorn, Germany**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV011	<b>A. Lodi</b>	CE/EDQM	Reference Standards for Pharmaceuticals: Experiences Made at the EDQM and Ideas for the Future
11:15-11:35	052	<b>W.C. Davis</b> S.E. Long G. Ballihaut Y. Nuevo Ordonez	United States of America	A New Generation of Reference Materials for Metalloprotein Biomarkers
11:35-11:55	066	<b>D. Burke</b> S. Fu M. Forbes-Smith T. Coldham et al.	Australia	Reference Materials for Translating DNA Methylation Discoveries into Cancer Diagnostic Tests
11:55-12:15	067	<b>O. Butler</b> G. Burdett, L. Davies D.L. Fletcher et al.	United Kindom	Reference Material Developments at the UK Health and Safety Laboratory

**10:45-12:15**      **PARALLEL SESSION 4.1:  
Reference Materials Production,  
Trends and Techniques**

**Room:**            **M4**

**Chairpersons:**   **S. Jovanovic, Montenegro  
A. Shakhashiro, IAEA**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV012	<b>Z. Mester</b>	Canada	NRC Canada Certified Reference Material Program
11:15-11:35	166	<b>V. Souza</b> I.C.S. Fraga V.S. Cunha	Brazil	Brazilian Chemical Metrology Network – A Project to Improve the Production of Reference Materials
11:35-11:55	172	<b>D.W. Tholen</b>	United States of America	Applying ISO Guide 35 for Accreditation of Reference Material Producers
11:55-12:15	188	<b>J. Zheng</b> R. Liu C.W. Hu Y.F. Wang et al.	China	Establishing Traceability of Identity Results Based on Finite Classification
12:15-13:45	<i>Lunch Break</i>			

**13:45-15:15**      **PARALLEL SESSION 3.2:  
Health, Medicine and Forensics**

**Room:**            **Boardroom A**

**Chairpersons:**   **D. Burke, Australia  
A. Lodi, CE/EDQM**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45-14:15	INV013	<b>K.W. Phinney</b> S.E. Long L.C. Sander M.M. Schantz et al.	United States of America	Introducing Measurement Quality Assurance to Metabolomics Research
14:15-14:35	075	<b>P. Corbisier</b> L. Deprez S. Mazoua S. Trapmann et al.	EC/JRC/IRMM	Development and Production of a Plasmid Calibrant for the Quantification of the BCR- ABL Transcript
14:35-14:55	203	<b>C. Deitrich</b> L. Evans S. Long H. Goenega-Infante	United Kingdom	Traceable Methodology for the Determination of Selenium Species in Serum
14:55-15:15	206	<b>J.F. Huggett</b> R. Sanders A. Devonshire G. Nixon C.A. Foy	United Kingdom	The Application of Digital PCR for Absolute Copy Number Value Assignment

<b>13:00–15:15</b>	<b>SPECIAL SESSION 1 Environmental Nuclear Fingerprints</b>			
<b>Room:</b>	<b>M4</b>			
<b>Chairperson:</b>	<b>D. Donohue, IAEA</b>			
<i>Time</i>	<i>No. of Paper IAEA–CN–195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:00-13:15				Opening Remarks
13:15-13:33	099	<b>K.G.W. Inn</b> J.J. Filliben Z.Lin S. Nour et al.	United States of America	NIST Low-Level Natural Matrix Radionuclide Standard Reference Materials for Environmental Nuclear Forensics
13:35-13:55	080	<b>A. Fajgelj</b> M. Groening	IAEA	IAEA Reference Materials of Terrestrial Origin Characterized for Radionuclides
13:55-14:15	217	<b>B. Salbu</b> O.C. Lind W. De Nolf K. Janssens	Norway	Analytical Challenges Associated with the Characterization of Radioactive Particles in the Environment
14:15-14:35	051	<b>H. Nies</b> K.M. Eriksson M.K. Pham I. Osvath	IAEA	Marine Nuclear Fingerprints and Consequences for Production of Reference Materials and Proficiency Tests
14:35-14:55	082	<b>H. Emons</b> Y. Aregbe S. Richter R. Jakopic	European Commission	Overview of Nuclear Reference Material Activities at IRMM
14:55-15:15	056	<b>D. Donohue</b>	IAEA	Reference Materials and Quality Control Materials for Environmental Sampling for Safeguards
15:15-15:45	<i>Coffee Break</i>			
<b>15:45–17:00</b>	<b>SPECIAL SESSION 1 (cont'd) Environmental Nuclear Fingerprints</b>			
<b>Room:</b>	<b>M4</b>			
<b>Chairperson:</b>	<b>D. Donohue, IAEA</b>			
15.45-17.00	Round table discussion			

**16:00–18:00**

**POSTER SESSION 1**

**Room:**

**Ground floor of building M**

**Chairperson:**

**S. Wise**

**WEDNESDAY, 27 June 2012****08.30-10:15**      **PLENARY SESSION 3****Room:**            **Boardroom A****Chairpersons:**   **S.R. Davies, Australia**  
**Z. Mester, Canada**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
08:30–09:15	INV003	<b>H. Emons</b>	EC/JRC/IRMM	Reference Materials for Key Enabling Technologies
09:15-09:45	INV014	<b>A. Schimmelmann</b>	United States of America	NSF-Funded Group Effort to Develop New Organic Stable Isotope Reference Materials for GC-IRMS, LC-IRMS, and EA-IRMS
09:45-10:15	INV015	<b>P. Coates</b> J.M. Betz	United States of America	Certified Reference Materials in Nutrition and Dietary Supplement Research
<i>10:15–10:45</i>	<i>Coffee Break</i>			



**10:45-12:15**      **PARALLEL SESSION 4.2:  
Reference Materials Production,  
Trends and Techniques**

**Room:**            **Boardroom A**

**Chairpersons:**   **E. Vasileva-Veleva, IAEA  
M. Weber, Switzerland**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV016	V.A. Hackley R.I. MacCuspie J.A. Fagan M.R. Winchester <b>D.L. Kaiser</b>	United States of America	Development of Nanoscale Reference Materials at the National Institute of Standards and Technology
11:15-11:35	058	<b>T.P.J. Linsinger</b> A. Braun J. Charoud-Got K. Franks et al.	EC/JRC/IRMM	Challenges in the Production of Nanoparticle CRMs as Illustrated by the Development of ERM-FD100 and ERM- FD304
11:35-11:55	122	<b>H.A.J. Meijer</b> A.T. Aerts-Bijma J. van der Plicht	Netherlands	Proposal for the Production of Two New Synthetic Radiocarbon RMs to Assist Reliable Dating of Old Samples
11:55-12:15	185	<b>S.W. Westwood</b> R.D. Josephs R.I. Wielgosz	BIPM	Mass Balance Method for the SI Value Assignment of the Mass Fraction Content (Purity) of Organic Calibrators

**10:45-12:15**      **PARALLEL SESSION 3.3:  
Health, Medicine and Forensics**

**Room:**            **M4**

**Chairpersons:**    **J. Hugget, United Kingdom  
K. Phinney, United States of America**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV017	<b>M. Horvat</b> J. Tratnik Snoj D. Mazej	Slovenia	A Need for Metrology Support in Harmonized Human Biomonitoring Programmes (HBM) as a Tool for Exposure Assessment to Environmental Contaminants
11:15-11:35	113	<b>M. Lacorn</b> S. Haas-Lauterbach U. Immer	Germany	How Should We Proceed With the Standardization in Case of Allergen Determination?
11:35-11:55	079	<b>S.E. Long</b> W.C. Davis K.E. Murphy L. Wood	United States of America	Development of Reference Materials to Support Iodine Global Health Initiatives
11:55-12:15	204	<b>C. Mussell</b> E. Champarnaud F. Fardus J. Warren G O'Connor	United Kingdom	Therapeutic Drug Monitoring - The Need for Standardization and the Challenges in Achieving It
12:15-13:45	<i>Lunch Break</i>			

**13:45-15:15**      **PARALLEL SESSION 4.3:  
Reference Materials Production,  
Trends and Techniques**

**Room:**            **Boardroom A**

**Chairpersons:**   **T. Linsinger, EC/JRC/IRMM  
S.W. Westwood, BIPM**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45-14:15	INV018	<b>T. Saito</b> Y. Ohte M. Murakami T. Ihara	Japan	Activities in the Area of Reference Materials on High Purity Materials at National Metrology Institute of Japan
14:15-14:35	115	<b>S.R. Davies</b> G.J. Tarrant P.S.R Mitchell B. Chan et al.	Australia	The Synthesis and Certification of Novel Pure Substance Reference Materials – Meeting the Customers' Needs in a Timely Fashion
14:35-14:55	155	<b>M. Santoso</b> D.D. Lestiani S. Kurniawati	Indonesia	Preparation and Characterization of In-House Environmental Reference Materials Using Neutron Activation Analysis
14:55-15:15	184	<b>M. Weber</b> Ch. Hellriegel A. Rück	Switzerland	High-Performance Quantitative NMR as a Revolutionary Method for Achieving Traceability in the Certification of Organic CRMs at the <0.1% Uncertainty Level

<b>13:00–15:20</b>	<b>SPECIAL SESSION 2: Stable Isotope Reference Materials</b>			
<b>Room:</b>	<b>M4</b>			
<b>Chairperson</b>	<b>W. Brand</b>			
<i>Time</i>	<i>No. of Paper IAEA–CN–195–</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:00-13:15				Opening Remarks
13:15-13:40	091	<b>M. Gehre</b>	Germany	A Strategy for GC-Isotope Reference Materials
13:40-14:05	181	<b>J. Vogl</b>	Germany	Reference Materials for Isotope Research
14:05-14:30	123	<b>H.A.J. Meijer</b> A.T. Aerts-Bijma H.G. Jansen B.M.A.A. Verstappen- Dumoulin et al.	Netherlands	A New Set of Stable-Isotope-Enriched Reference Waters for Biomedical Research
14:30-14:55	139	<b>R.J. Panetta</b> N. Saad J. Hoffnagle	United States of America	Simultaneous Measurement of Different Stable Isotope Ratios Via Cavity Ring-Down Spectroscopy: New Calibration Strategies as Illustrated by the Concurrent Analysis of $\delta D$ in $H_2O$ and $\delta^{13}C$ in $CO_2$
14:55-15:20	114	<b>Z. Latif</b> M.A. Tasneem S. Butt M. Fazil	Pakistan	Stable Isotope Reference Materials for Isotope Ratio Mass Spectrometric Analysis: C, N, H and O Isotopes in Agriculture, Environmental and Hydrological Studies
15:15–15:45	<i>Coffee Break</i>			

**15:45–17:20**      **SPECIAL SESSION 2 (cont'd):  
Stable Isotope Reference Materials**

**Room:**            **M4**

**Chairperson:**    **W. Brand**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:45-16:10	071	<b>B. Chaplign</b> M.J. Leng E. Webb A. Alexandre et al.	Germany	New Biogenic Silica Working Standards for the Oxygen Isotope Composition Derived from an Inter-Laboratory Comparison
15:10-16:35	062	M.C. Shirani Seneviratne <b>T. Attanayake</b> V.A. Waduge L. Hadagiripathira S. Sanjeevani	Sri Lanka	The Experience of Accreditation and Proficiency Testing Schemes in Isotopic Reference Materials at Atomic Energy Authority, Sri Lanka
16:35-17:00	088	<b>M. Gröning</b>	IAEA	A New Water Stable Isotope Quality Control Material Complementing the Water Calibration Standards VSMOW2 and SLAP2
17:00-17:20	Round table discussion			

**16:00–18:00**      **POSTER SESSION 2**

**Room:**            **Ground floor of building M**

**Chairperson:**    **H. Emons**

**THURSDAY, 28 JUNE 2012****08:30-10:15**      **PLENARY SESSION 4****Room:**            **Boardroom A****Chairpersons:**   **M. Schantz, United States of America**  
**U. Wätjen, Netherlands**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
08:30–09:15	INV004	<b>G. Douglas</b>	United States of America	The Role and Utility of Reference Materials When Performing Environmental Forensics Investigations
09:15-09:45	INV019	<b>C.A. Gonzalez</b>	United States of America	Strategies for the Effective Integration of Reference Data and Reference Materials
09:45-10:15	INV020	<b>M. Betti</b>	IAEA	The IAEA Subprogramme on Reference Products for Science and Trade
<i>10:15–10:45</i>	<i>Coffee Break</i>			

**10:45-12:05**      **PARALLEL SESSION 3.4:**  
**Health, Medicine and Forensics**

**Room:**            **Boardroom A**

**Chairpersons:**   **D. Bunk, United States of America**  
**C. Mussell, United Kingdom**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:05	210	<b>L.C. Sander</b> M. Bedner J. Brown Thomas J. Camara et al.	United States of America	Development of Dietary Supplement Standard Reference Materials
11:05-11:25	212	<b>P.A. Rudnick</b> D. Bearden N. Blonder M. Lowenthal et al.	United States of America	SRM/D: A Qualitative and Quantitative Data Resource for Complex Biological SRMs at NIST
11:25-11:45	214	<b>K.W. Phinney</b> M. Bedner K. Lippa S.S.-C. Tai et al.	United States of America	Measurement of Vitamin D Metabolites: Expect the Unexpected
11:45-12:05	215	<b>D.M. Bunk</b> A.B. Green M.S. Lowenthal K.W. Phinney	United States of America	Reference Materials for Proteomics

**10:45-12:15**      **PARALLEL SESSION 4.4**  
**Reference Materials Production,**  
**Trends and Techniques**

**Room:**            **M4**

**Chairpersons:**    **C. Gonzalez, United States of America**  
**T. Saito, Japan**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
10:45-11:15	INV021	<b>A. Shakhashiro</b> R.F. Kastens V.A. Maihara S.M. Resnizky et al.	IAEA	RLA 2/014 Technical Cooperation Project: A Case Study on IAEA Support for Latin American Economies in Enhancing Capabilities for Certification of Reference Materials
11:15-11:35	070	<b>A. Ceccatelli</b>	IAEA	Use of Reference Materials for QC in Gamma-Ray Spectrometry: A Simple Approach to Reduce the Uncertainty of Ra-226 Activity Value In Natural Soil
11:35-11:55	076	<b>E. Cortes Toro</b> O. Andonie M. Meneses	Chile	Preparation of Two Certified Reference Materials of Seafood
11:55-12:15	135	<b>G. Lafranco</b>	Austria	Accurate and Flexible Mathematical Efficiency Calibration Software for Gamma Spectroscopy
12:05-13:45	<i>Lunch Break</i>			



**13:45-15:25**      **PARALLEL SESSION 5:  
Environmental Reference Materials**

**Room:**            **Boardroom A**

**Chairpersons:**    **M. Gröning, IAEA  
A. Sahuquillo, Spain**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45-14:05	069	<b>F.P. Carvalho</b> R. Edge	Portugal	The Need for Reference Materials in Radiological Surveillance Programmes of Uranium Mining and Milling Areas
14:05-14:25	078	B. Batjargal <b>B. Davaasuren</b> D. Enkhmaa J. Rausch	Mongolia	Mercury in Soil - A Set of New CRMs from Mongolia
14:25-14:45	137	G. Ortega A. Márquez E. Carrasco <b>A. Sahuquillo</b>	Spain	New Multicomponent Quality Control Materials for Laboratories Characterizing Wastes for Their Acceptance at Landfills
14:45-15:05	177	<b>B. Varga</b> S. Tarjan	Hungary	Need and Use of Reference Materials in the Countrywide Monitoring of Radionuclides
15:05-15:25	194	J.L. Reiner J.M. Keller <b>M.M. Schantz</b>	United States of America	Emerging Contaminants in NIST Environmental Standard Reference Materials

**13:45-15:05**      **PARALLEL SESSION 4.5:  
Reference Materials Production,  
Trends and Techniques**

**Room:**            **M4**

**Chairpersons:**   **E. Cortes-Toro, Chile  
S. Tarjan, Hungary**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:45-14:05	183	<b>U. Wätjen</b> Y. Spasova M. Vasile Z. Szántó et al.	EC/JRC/IRMM	On the Certification of a Reference Material for Radionuclides in Dried Bilberries
14:05-14:25	124	S. Hirai C. Yonezawa <b>T. Miura</b> Y. Uematsu et al.	Japan	Development and Certification of Soil Certified Reference Material for Environmental Radioactivity (Cs-134, Cs-137)
14:25-14:45	129	<b>R. Múrtula</b> A. Yáñez E. Soria V. Catalán	Spain	Preparation of Wastewater Microbiological Reference Material for Proficiency Testing Schemes
14:45-15:05	150	<b>T. Saito</b> Y. Ohte M. Murakami T. Ihara	Japan	NMR as an Effective SI Traceable Calibration Tool for Organic Reference Materials - Applications to Pesticides

FRIDAY, 29 JUNE 2012

**09:00–10:35**      **SPECIAL SESSION 3:  
Reference Materials for  
Emergency Situations**

**Room:**            **M4**

**Chairpersons:**   **F.P. Carvalho, Portugal  
H. Nies, IAEA**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09.00-09:15				Opening Remarks
09:15-09:45	INV022	<b>M.M. Schantz</b> J.A. Kucklick J.A. Murray S.A. Wise et al.	United States of America	Quality Assurance Activities in Response to the Gulf Oil Spill
09:45-10:15	INV023	<b>A.R. Wagener</b> A. H. Nudi I.T. Gabardo A.L. Scofield	Brazil	Regional and World-Wide Inter-Laboratory Comparison for the Determination of Hydrocarbons and Trace-Elements in Tropical Sediment Sample
10:15-10:35	191	<b>F.P. Carvalho</b> A. Fajgelj	Portugal	Environmental Radioactivity Monitoring and Reference Materials in Emergency Response
10:35-11:00	<i>Coffee Break</i>			

**11:00–12:45**      **SPECIAL SESSION 3: (cont'd)**  
**Reference Materials for**  
**Emergency Situations**

**Room:**            **M4**

**Chairpersons:**   **F.P. Carvalho, Portugal**  
**H. Nies, IAEA**

<i>Time</i>	<i>No. of Paper IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:00-11:20	094	<b>H. Nies</b> K.M. Eriksson K.M. Pham I. Osvath	IAEA	Reference Materials for Marine Emergency Situations – Need and Proposals for Future Activities for Reference Material Production
11:20-11:40	171	<b>S. Tarjan</b> B. Varga	Hungary	New Techniques for Preparing Reference Materials
11:40-12:00	154	<b>M. Gröning</b> A. Fajgelj A. Ceccatelli G. Kis-Benedek M. Phaneuf	IAEA	Quality and Metrological Requirements in Environmental Emergency
12.00-12:45	Round table discussion			

**12:45-13:00**      **CLOSING SESSION**

**Room:**            **M4**

**POSTERS****TUESDAY, 26 JUNE 2012****POSTER SESSION 1 (16:00-18:00)****Location: Ground floor of building M**

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
054	<b>M. Albokari</b> S. Alzahrani I. Manshour	Saudi Arabia	Using Reference Materials to Validate Unknown Environmental Hot Spring Water by Riboprinter®
055	<b>E. Alhajji</b> M.S. Al-Masri A. Alhamwi B. Shams El-Din	Syrian Arab Republic	Preparation of In-House Reference Soil Sample Containing High Levels of Cs-137
059	<b>J.M.R. Antoine</b> C.N. Grant	Jamaica	The Development and Characterization of the In-House Quality Control Material "Soil of Jamaica"
072	<b>M. Chifiriuc</b>	Romania	The Romanian Experience in the Organization of Microbiology External Quality Control Schemes
073	<b>T.B. Coplen</b> L.I. Wassenaar	United States of America	LIMS Light - Automating Data Management for Improved Global QA/QC for Oxygen and Hydrogen Isotope Laser Spectroscopy of Water
074	<b>T.B. Coplen</b> H.P. Qi	United States of America	USGS45 and ISGS46 - Two New Reference Waters for Daily Calibration of the VSMOW-SLAP Scales
077	<b>J.M. Croucher</b> C. Eaton	United Kingdom	Limitations of Proficiency Test Samples as Reference Materials
083	<b>B.M. Djenbaev</b> B.T. Zholbolduev E.T. Jenbaeva B.K. Kaldybaev A. Tilenbaev	Kyrgyzstan	Problems of Biological Objects in the Areas of Uranium Natural and Technogenic Provinces of Kyrgyzstan
085	<b>A. Migliori</b> A. Karydas A. Markowicz R. Padilla-Alvarez	IAEA	Organization of Proficiency Tests to Support Quality Control Practice in IAEA Member State X-Ray Spectrometry Laboratories
086	<b>L.P. Fang</b> Z.X. Wu W. Wang K. Tian X.M. Song	China	Preparation and Certification of River Sediment Certified Reference Material for Polycyclic Aromatic Hydrocarbons

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
087	<b>I.M. Fernández Gómez</b> E.A. Capote Ferrera J. Carrazana González G. Rodríguez Castro G. Madariaga Fernández	Cuba	The Role of The Reference Materials in the Accreditation Process of Testing Laboratories in Cuba
089	<b>I.C.S. Fraga</b> J.C. Lopes S.P. Sobral C.M. Ribeiro	Brazil	Studies for Certification on Low Value Range for Traceable Measurements of the Electrolytic Conductivity Solutions
090	<b>R. Fuselier</b> E. Verdon	France	PT Materials Containing Antibiotic Residues Used as In-House Reference Materials
092	E.A. De Nadai Fernandes <b>C.L. Gonzaga</b> S.R.V. Sarriés M.A. Bacchi et al.	Brazil	Revalidation and Long-Term Stability of Soybean Reference Material IAEA-361
097	<b>J.-F. Hélie</b> C. Hillaire-Marcel M. Groening	Canada	Suitability of IAEA-603 as a Replacement of NBS19 for Small Sample Carbonate Analysis
098	I.A. Wysocka <b>E. Vasileva</b>	IAEA	Application of Isotope Dilution Mass Spectrometry for Certification Measurements for the Determination of Element Mass Fractions in a Marine Sediment Sample
100	<b>R. Jačimović</b> V. Stibilj	Slovenia	K <sub>0</sub> -INAA Quality Assessment by Analysis of Trace Elements in IAEA-CU-2010-02 Sewage Sludge
103	<b>R.D. Josephs</b> N. Stoppacher A. Daireaux T. Choteau, S et al.	BIPM	SI-Traceable Purity Determination of Peptides
104	<b>S. Jovanovic</b> L. Wong	Canada	Experience with Standard Reference Materials for Uranium in Solids
105	<b>S. Jovanovic</b> A. Dlabac N. Mihaljevic	Montenegro	Advantages of Applying Efficiency Transfer Principle and Angle Software when Analyzing Radionuclides in Biological and Environmental Samples by Comparison to Reference Materials
107	<b>S. Kashian</b> A.A. Fathivand	Islamic Republic of Iran	Use of Reference Materials in our Environmental Laboratory
108	<b>D.H. Kim</b> S.J. Park Y.W. Choi	Republic of Korea	Development of a Certified Reference Material for Phthalate Plasticisers In Polyvinyl Chloride

No of Poster IAEA-CN-195-	Name	Designating Member State/Organization	Title of Paper
109	<b>M. Koch</b> W. Bremser R. Köppen	Germany	Novel Reference Materials for Mycotoxins in Food
110	<b>A. Kocsonya</b>	Hungary	Gamma Spectrometry on Samples Prepared for Trace Element Analysis Proficiency Tests
117	<b>V. Lourenço</b> T. Branger C. Fréchou	France	Outline of the International Workshop on Certified Reference Materials for Nuclear Measurements
118	<b>K.D. Macario</b> P.R.S. Gomes R.M. Anjos R. Linares et al.	Brazil	Radiocarbon AMS in Brazil
119	<b>V.A. Maihara</b> E.G. Moreira A. Shakhshiro	Brazil	Homogeneity Study for Certification of a Brazilian Fish Reference Material ( <i>Micropogonias furnieri</i> )
121	<b>J.L. Mann</b> R.D. Vocke R. Fitzgerald K.G.W. Inn	United States of America	Desperately Seeking Accuracy and Comparability
125	<b>T. Miura</b> A. Hioki H. Matsue	Japan	Capability of Internal Standardization in Neutron Activation Analysis
126	<b>M.F.A.R. Molina</b>	Philippines	RM Application by Environmental Laboratories in the Philippines
127	<b>L.R. Monteiro</b> D. Graffitti F. Albano M. Rodrigues et al.	Brazil	Brazilian Ion Chromatography Proficiency Test – A Five Year Evaluation
128	<b>E.G. Moreira</b> M.B.A. Vasconcellos V.A. Maihara M.G.M. Catharino M. Saiki	Brazil	Value Assignment for a Brazilian Mussel Reference Material
130	W.S. Souza <b>M.N. Medeiros</b> R. Nobrega R.M.H. Borges E. Cavalcanti	Brazil	The Brazilian Approach to Accreditation of Conformity Assessment Bodies in Accordance with the Requirements of ISO Guide 34 and also Additional Requirements of OECD Guidelines for Biological Resource Centres
132	<b>Lee L. Yu</b>	United States of America	New Standard Reference Materials for Arsenic Species

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
133	C.S.K. Raju L.L. Yu J. Schiel <b>S.E. Long</b>	United States of America	A Novel and Rapid Separation Method for the Determination of Cobalt and Cobalamin (Vitamin B12) Using HPLC-ICP-MS
136	<b>S. Olivares-Rieumont</b> L. Lima J.L. Santana F. Martinez et al.	Cuba	Use Of Reference Materials to Study the Fate of Metal Pollution in Cuban Rivers
138	<b>E. Osintseva</b> O. Kremleva	Russian Federation	New Certified Reference Material of Nanostructured Powder of Iridium
140	<b>M.K. Pham</b> H. Nies E. Vasileva M. Betti et al.	IAEA	Analytical Method Validation for the Determination of Plutonium Isotopes Using Different Matrices of IAEA Marine Reference Materials and Different Techniques (Radiometric, ICP-MS and AMS)
141	<b>H. Polkowska-Motrenko</b> E. Chajduk	Poland	Contribution of NAA to Assignment of Property Values in Proficiency Test Materials for Trace Element Determination
142	<b>T.R. Portugal</b> J.M. Castro M.A. Udarbe R.V. Parcon	Philippines	Development of a Wheat Flour Reference Material for Total Dietary Fiber (A Philippine Experience)
144	<b>J. Rachubik</b> J. Piskorska-Pliszczyńska	Poland	Experience with Proficiency Tests for Regional Veterinary Laboratories in Poland
145	<b>P.M. Ravi</b> V. Saxena N. Khandelwal M.P. Rajan et al.	India	Role of Reference Materials in Quality Assurance of Environmental Monitoring Around Nuclear Power Plants in India



WEDNESDAY, 27 JUNE 2012

## POSTER SESSION 2 (16:00-18:00)

Location: Ground floor of building M

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
146	<b>S. Resnizky</b> G. Tomellini L. López	Argentina	Preparation of an In-House Reference Material on Volcanic Ashes at the Argentine National Atomic Energy Commission. IAEA RLA 2/014 ARCAL Project
153	<b>Z. Samczyński</b> H. Polkowska-Motrenko R.S. Dybczyński	Poland	Role of NAA in Establishing of the Certified Values for Elements as Illustrated by Two Certification Campaigns Distant in Time (1990-2010)
157	L.V. de Santana <b>J.E.S. Sarkis</b> J.C. Ulrich	Brazil	Development of Reference Material for Proficiency Test of Mercury in Fish Tissues (in Nature). Assessment for Homogeneity
160	D. Zink W. Wolf <b>M. Schantz</b>	United States of America	TDRM Resources: TDRM Database
161	<b>M. Seferinoğlu</b>	Turkey	Design of Alpha-Particle Counting System at a Defined Solid Angle for Radionuclide Metrology Laboratory In SANAEM, Turkey
162	<b>H. Sghaier</b> I. Ben Salem M.A. Khammassi M. Saidi	Tunisia	Towards the Development of Reference Materials for Detection of Antibiotic Residues in Food Products Using a Patented Microbial Screening Method
163	<b>A. Shakhashiro</b> G. Kis-Benedek M.S. Al-Masri S. Moebius et al.	IAEA	IAEA-448: New Certified Reference Material for Radium-226 Determination in Soil From Oil Field
164	<b>A. Shakhashiro</b> A. Fajgelj C.K. Kim U. Sansone G. Kis-Benedek	IAEA	IAEA Reference Materials for Environmental Measurements
165	<b>K. Topal</b> S. Gunduz M. Bilsel H. Yilmaz A.C. Goren	Turkey	Certification of Chloramphenicol Purity

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
167	<b>P. Sperlich</b> M. Guillevic C. Buizert T.M. Jenk et al.	Denmark	A Way to Create Atmospheric Isotope Reference Gases Containing CH <sub>4</sub> with Precisely Referenced $\delta^{13}\text{C}$ and $\delta\text{D}$ Isotope Ratios
168	<b>M.H.T. Taddei</b> M.M.L. Rosa R.L. Bonifácio	Brazil	Validation of Gross Alpha and Gross Beta Measurements in Drinking Water
169	<b>A. Taftazani</b> S. Prihatin S.T. Sunanti C. Suprianto S. Suratman	Indonesia	Preparation of Certified Reference Materials (CRMs): Zircon Sand
173	L. Popov <b>R. Tsibranski</b> V. Avramov B. Stoenelova G. Mihailova	Bulgaria	The Interlaboratory Comparisons – Quality Criterion and Proficiency Certificate for the Radioanalytical Laboratory
175	<b>J.C. Ulrich</b> J.E.S. Sarkis	Brazil	Preparation and Certification of a Certified Reference Material for the Total Mercury and Methylmercury Content in Fish
176	<b>P. Vaquero-Gonzalez</b> F. Garcia-Andreu	Spain	Use of Statistical Criteria for the Determination of the Life Cycle Assessment of a Reference Material
179	<b>M.I.V. Martínez</b> E.A. De Nadai Fernandes M.A. Bacchi C.L. Gonzaga et al.	Brazil	Development of a Candidate Reference Material of Tomato Leaves with Emphasis on As, Cd, Hg and Pb
180	<b>M. I. V. Martínez</b> E. A. De Nadai Fernandes M. A. Bacchi G. A. Sarriés	Brazil	Planning and Experimental Design for Preparation of a Candidate Reference Material of Sugarcane Leaves for Evaluating the Nutritional Quality
186	<b>E. Wigglesworth</b> C. Morris	United Kingdom	International Standards and Secondary Working References for HIV Detection
189	J. L. Molloy J.R. Sieber K.E. Murphy <b>S.E. Long</b> S.D. Leigh	United States of America	Development, Certification and Use of NIST SRM 2569 Lead Paint Films for Children's Products

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
190	<b>E.A. De Nadai Fernandes</b> S. R.V. Sarriés C. Elias L.S. Kato et al.	Brazil	Challenges for Growing Tomato Plants Contaminated with Toxic Metals to Produce a Reference Material
193	<b>G. Kis-Benedek</b> A. Törvényi R. Katona	IAEA	Radiochemical Separation Method for Homogeneity Testing of Uranium Isotopes in Candidate Reference Materials by Isotope Dilution ICP-MS and Alpha Spectrometry
195	D. Zink W. Wolf <b>M.M. Schantz</b>	United States of America	AOAC Technical Division on Reference Materials: TDRM Resources
196	<b>M.M. Schantz</b>	United States of America	Standard Reference Materials Characterized for Organic Contaminants
197	<b>M.M. Schantz</b> E. McGaw S.A. Wise	United States of America	Pressurized Fluid Extraction of Diesel and Air Particulate SRMs: Effect of Extraction Temperature and Pressure
200	<b>G. Holcombe</b> N. Barnes S. Ellison D. Curtis et al.	United Kingdom	Reference Materials for the Food Industry: Certification of Two Snack Food Materials for Proximates and Other Components
201	<b>G. Holcombe</b> N. Barnes S. Ellison	United Kingdom	Reference Materials for the Water Industry: Certification of a Hard Drinking Water for Trace Metals
202	<b>G. Holcombe</b> D. Curtis S. Ellison J. Minguez et al.	United Kingdom	Reference Materials for the Construction Industry: Certification of Four Gypsum Materials
205	F. Fardus J. Warren <b>C. Mussell</b> G. O'Connor et al.	United Kingdom	Broadening the Applicability of QNMR for Purity Analysis
207	<b>J.F. Huggett</b> D. O'Sullivan S. Temisak G. Nixon C.A. Foy	United Kingdom	Standards for Microbial Community Molecular Profiling
208	<b>M. Sinojmeri</b>	Austria	New Reference Materials to Validate Rapid Methods for Determination of Radionuclides

<i>No of Poster IAEA-CN-195-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
209	<b>A. Trinkl</b>	IAEA	The Proficiency Test Scheme Implemented by the Terrestrial Environment Laboratory (TEL) of the Agency's Environment Laboratories (NAEL)
216	<b>K.W. Phinney</b> S.E. Long L.C Sander K.E. Sharpless S.A. Wise	United States of America	Recent Developments in Reference Materials for Clinical Diagnostics
218	<b>R. Zeleny</b> R. Koeber H. Schimmel H. Emons	EC/JRC/IRMM	Recently Developed Veterinary Drug Residue CRMs from IRMM
219	<b>I. Zegers</b> G. Auclair A. Munoz B. Toussaint et al.	EC/JRC/IRMM	Human Health-Related Reference Materials from IRMM
220	<b>S. Trapmann</b> A.-M. Kortekaas Ph. Corbisier	EC/JRC/IRMM	Powder Materials Certified For Their GMO Mass Fraction
221	<b>S. Richter</b> R. Jakopič Y. Aregbe H. Emons	EC/JRC/IRMM	Certified Reference Materials for Nuclear Safeguards, Security and Environmental Sciences
222	<b>I. Zegers</b> S. Blirup-Jensen G. Auclair H. Althaus et al.	EC/JRC/IRMM	ERM-DA471/IFCC - A Reference Material for Cystatin C
223	<b>H. Emons</b> T. Linsinger A. Held S. Trapmann et al.	EC/JRC/IRMM	Support to Reference Material Users from JRC-IRMM
224	<b>J. Boertz</b> H. Emteborg J. Charoud-Got J. Snell et al.	EC/JRC/IRMM	ERM-BC211: Certified Reference Material for Arsenic Species in Rice for the Improvement of Food Safety in Europe

No of Poster IAEA-CN-195-	Name	Designating Member State/Organization	Title of Paper
225	<b>M.R. Odino</b> A.M. Gabrielli L.A. Piuma E.A. Reina R. Suárez Antola	Uruguay	The Use of RMs in Quality Control of EDXRF Applied to Environmental Studies
226	S. Nagourney B. Wilk <b>S. Long</b> M. Schantz et al.	United States of America	Creation of New Soil Standard Reference Materials for Metals and Organics
227	S. Nagourney <b>S. Long</b> C. Davis J. Malherbe B. Buckleyd	United States of America	Development and Application of Cr(VI) SRMs for Environmental Remediation Activities



**!!!! Please use ONLY the white area – do NOT write in the gray area !!!!**

## PARTICIPATION IN IAEA SCIENTIFIC MEETINGS

Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as 'observers', may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA meetings should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

## PUBLICATIONS

### Proceedings

The proceedings of the symposium containing invited presentations and full papers of selected abstracts delivered as poster presentation at the meeting, as well as the findings and recommendations, will be published as soon as possible after the symposium.

### Orders

All IAEA publications may be ordered at the Information Desk or directly from the Sales and Promotion Unit  
International Atomic Energy Agency  
P.O. Box 100  
A-1400 Vienna, Austria  
Fax: (+43 1) 2600-29302  
Email: [sales.publications@iaea.org](mailto:sales.publications@iaea.org)  
Internet: <http://www.iaea.org/books>

## IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE SYMPOSIUM

IAEA/AQ/21	Certified Reference Materials for Radioactivity Measurements in Environmental Samples of Soil and Water: IAEA-444 and IAEA-445	2011
IAEA/AQ/20	Worldwide Proficiency Test: Determination of Minor and Trace Elements in Grass Mixture IAEA-PTXF-06	2011
IAEA/AQ/17	Reference Material IAEA 434: Naturally Occurring Radionuclides in Phosphogypsum	2010
IAEA/AQ/14	Reference Material IAEA 413: Major, Minor and Trace Elements in Algae	2010
IAEA/AQ/13	HELCOM-MORS Proficiency Test Determination of Radionuclides in Fish Flesh Sample	2010





**FORTHCOMING SCIENTIFIC MEETINGS  
SCHEDULED BY THE IAEA****2012**

International Symposium on Managing Soils for Food Security  
and Climate Change Adaptation and Mitigation  
23-27 July 2012, Vienna, Austria

24th Fusion Energy Conference  
8-13 October 2012, San Diego, CA, USA

International Conference on Radiation Protection in Medicine-  
Setting the Scene for the Next Decade  
3-7 December 2012, Bonn, Germany

**2013**

International Experts' Meeting on Decommissioning and  
Remediation after a Nuclear Accident  
28 January-1 February 2013, Vienna, Austria

International Conference on Fast Reactors and Related Fuel  
Cycles: Safe Technologies and Sustainable Scenarios (FR13)  
4-7 March 2013, Paris, France

International Conference on Effective Regulatory Systems  
8-12 April 2013, Ottawa, Canada

International Ministerial Conference on Nuclear Power  
in the 21st Century  
June 2013, St. Petersburg, Russian Federation

The International Conference on Nuclear Security:  
Enhancing Global Efforts  
24-28 June 2013, Vienna, Austria

International Conference on Integrated Medical Imaging in  
Cardiovascular Diseases  
30 September-4 October 2013, Vienna, Austria

International Conference on the Safety and Security of  
Radioactive Sources: Maintaining the Continuous Global Control  
of Sources throughout their Life Cycle  
27-31 October 2013, Abu Dhabi, UAE

International Conference on Topical Issues in  
Nuclear Installation Safety  
21-24 October, Vienna, Austria

---

For information on forthcoming scientific meetings,  
please consult the IAEA web site:  
<http://www-pub.iaea.org/iaeameetings/>

**NOTES**

NOTES

NOTES

!!!! Please use ONLY the white area – do NOT write in the gray area !!!!