INTERNATIONAL CONFERENCE on:
MONITORING, ASSESSMENTS and
UNCERTAINTIES for
NUCLEAR and RADIOLOGICAL
EMERGENCY RESPONSE

RIO DE JANEIRO, 21 - 25 NOVEMBER 2005
Monday November 21

9h  Conference welcome address
9h 10  Brazilian authorities welcome address
9h 20  Administrative Information
9h30  Today issues with nuclear and radiological events (V. McClelland/A. Oudiz)
9h 50  How the conference will address theses issues (C. Rojas Palma)
10h10  Brazilian expectation from the conference (L. Belém)
10h30  Coffee break

11h  Introduction to the session (Chair/Co-chair)
11h10  Overview on Nuclear and Radiological Emergency Planning in Sweden (Husig)
11h30  The Brazilian System to respond to Nuclear Emergencies (Dos Santos)
11h50  Emergency preparedness and response at the level of the Nuclear Regulatory Authority In Slovakia (Melka and Sladek)
12h10  Nuclear emergency preparedness and response system of Japan (Matsukawa)

12h30 to 14h  Lunch

14h  Demonstration of the RODOS decision support system (Raskob)
14h20  ARGOS-N Decision support for Nuclear emergencies (Hoe et al.)
14h40  Use of Ensembles to Assess Uncertainties In Consequence Assessment Modelling (Addis and Buckley)
15h  The role of climate and other site specific aspects In environmental impact assessments after a nuclear accident (Rochedo)
15h30  Coffee break

16h  Implantation of radiological emergency service (Menezes)
16h20  Potential environmental impact assessment related to the visit of nuclear ships to Rio de Janeiro City (Pereira)
16h40  Preparation of ATUCHA NPP Emergency Plan Application Exercise - edition 2003 (Fonseca)
17h  Procedures for first response to radiological emergencies (Buglova)

Tuesday November 22

9h  Harmonization of early notification systems of the IAEA and the EU (De Vries)
9h20  Event response network ERNET (Martincic)
9h40  IAEA Incident and emergency centre (Nogueira de Oliveira)
10h  US-Russia cooperation In emergency response enhancement (Osipyants)
10h30  Coffee break

11h  Emergency response to radiological events In the Isotope Center of Cuba (Balbona)
11h20  Initial actions to control emergency situations involving missing or stolen radioactive sources (Jordan)
11h40  Synthesis of the plenary session 1 and general discussion (Chair/Co-chair)
12h30 to 14h  Lunch

14h  Introduction to the session (Chair/Co-chair)
14h10  Direct high-resolution alpha spectrometry for detecting transuranium elements from air samples (Silskonen)
14h30  Aerial Platform for In-Plume Sampling and On-line Measurements In the Emergency Early Phase (Castelluccio)
14h50  A Mobile Bioassay Laboratory For The Assessment Of Internal Doses Based On In Vivo And In Vitro Measurements (Dantas)
15h10  Mobile radiological laboratories (Martincic)
15h30  Coffee break

16h  Implementation of an Inclusive radiation monitoring system In the Bragir district In Belarus (Crouail)
16h20  Outreach Activities of the U.S. Department of Energy for the United States Federal Radiological Monitoring and Assessment Center (FRMAC) to State and Local Communities (Hopkins)
16h40  IAEA approach In the statistical evaluation of the first proficiency test data of the Analytical Laboratories Monitoring Environmental Radioactivity (ALMERA) network (Shakhashiro)
17h  Risk and Uncertainty Analysis of contamination of the Food Supply due to Sudden Release of Radionuclides from a Nuclear Facility (McGoey-Smith)
17h20  The ORION project: Monitoring Radionuclides In Arctic and Subartic Regions (Cysewski)
**Wednesday November 23**

9h | A Scintillating Fiber Neutron Spectrometer for Identifying Neutron-Emitting Sources (Scherpelz)

9h20 | Dose estimation of exposed persons for radiation emergency (Fujimoto)

9h40 | Development of Radiation Source tracking System (START) in Korea (Lee)

10h | Synthesis of the parallel session 1 and general discussion (Chair/Co-chair)

10h30 | Coffee break

9h | Use of AIDE Software for Internal Dose Assessment in Accidental Exposure (Lourengo)

9h20 | Harmonization of Internal Dosimetry Procedures In Countries of Latin America Applied for Emergency Situation (Juliao)

9h40 | Synthesis of the parallel session 2 and general discussion (Chair/Co-chair)

10h30 | Coffee break

11h to 12h30 POSTER SESSION

12h30 to 14h Lunch

14h | Introduction to the session (Chair)

14h10 | Health effects in the population cohort exposed to caesium 137: methodological aspects (Curado)

14h30 | Health effects in the population cohort exposed to caesium 137: cancer incidence (Koifman)

14h50 | Health effects in the population cohort exposed to caesium 137: offspring growth and development during childhood and adolescence (Ferreira)

5h10 | Long-term stability of remediation effect in Goiania city (Lauria)

5h30 | Coffee break

16h | Health effects in the population cohort exposed to caesium 137: a cohort mortality study (Veiga)

16h20 | Spatial distribution of leukaemia cases at Goiania city after the radiological accident (Veiga)

16h40 | Chronic health effects in the population cohort exposed to caesium 137 during the Goiania radiological accident: thyroid disturbances (Curado)

17h | Goiania accident x a new similar or RDD: a perception from lessons of Goiania (Rozental)

17h20 | Synthesis of the plenary session 2 and general discussion (Chair)

**Thursday November 24**

9h | Introduction to the session (Chair/Co-chair)

9h10 | EURDEP: A single data-format and network for the exchange of radiological monitoring data between 28 European countries (De Vries)

9h30 | Real-time monitoring data for ensemble dispersion forecast evaluation: coupling ENSEMBLE and EURDEP (Gamarini)

9h50 | Can real time data and information exchange become a reality outside the R&D context? (Kosyk)

10h10 | Using the Internet and web technology to gather and exchange information (Dyve)

10h30 | Coffee break

11h | Role of environment measurements of radioactivity, according to the various phases of a radiological or nuclear crisis (Oudiz)

11h20 | Strategy to optimise the interaction between decision supporting systems and monitoring (Kirchner)

11h40 | Models and Measurements: Complementary Tools for Predicting Atmospheric Dispersion and Assessing the Consequences of Nuclear and Radiological Emergencies (Bradley)

12h | krX system : multi-scale operational modelling of atmospheric dispersion and consequence assessments for radiological emergencies (Tennard)

12h30 to 14h Lunch
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9h A Scintillating Fiber Neutron Spectrometer for Identifying Neutron-Emitting Sources (Scherpet)
9h20 Dose estimation of exposed persons for radiation emergency (Fukimoto)
9h40 Development of Radiation Source tracking System (START) in Korea (Lee)
10h Synthesis of the parallel session 1 and general discussion (Chair/Co-chair)
10h30 Coffee break

9h Use of AIDE Software for Internal Dose Assessment in Accidental Exposure (Lourongo)
9h20 Harmonization of Internal Dosimetry Procedures in Countries of Latin America Applied for Emergency Situation (Julio)
9h40 Synthesis of the parallel session 2 and general discussion (Chair/Co-chair)
10h30 Coffee break
11h to 12h30 POSTER SESSION
12h30 to 14h Lunch

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11h40 Models and Measurements: Complementary Tools for Predicting Atmospheric Dispersion and Assessing the Consequences of Nuclear and Radiological Emergencies (Bradley)
12h krX system: multi-scale operational modelling of atmospheric dispersion and consequence assessments for radiological emergencies (Tsirard)
Thursday November 24

9h
Introduction to the session (Chair or Co-chair)

9h10
Synergism in emergency preparedness for nuclear accidents and terrorist attacks: a German perspective (Kirchner)

9h30
Role of radiological consequences calculations and of radioactivity measurements in the environment: Experience feedback from two French nuclear emergency exercises (Oudiz)

9h50
Monitoring requirements and public information: some delicate issues (Meineke)

10h10
Safety, security, emergency preparedness changes and challenges in the post 9/11 world (Miligan)

10h30
Coffee break

11h
Training on Radiation Emergency Response: 15 years of Brazilian Experience (Dos Santos)

11h20
A Web Portal for Use In Emergencies Involving Radioactive Sources (Cotterill)

11h40
Extended framework for response criteria in radiation emergencies (Buglova)

12h
National arrangements for expert support in field-operative activities in nuclear and radiological events — the current Swedish situation (Höglund)

12h30 to 14h Lunch

14h
Long term follow-up of health consequences caused by accidental radiation exposure, lessons to be learned from the Lillo accident 1997 (Rojas Palma)

14h20
Media and public relations in emergency situations — a case study from the Kursk Accident (Ostrø)

14h40
Important Parameters In Recommending Countermeasures In Case of a Radioactive Release (Grlicarev)

15h
Ingestion dose assessments after an accidental contamination of rural areas in tropical countries (Martin)

15h30
Coffee break

16h
Experience on the training the "ten step methodology" of the IAEA TecDoc-953 In Latin American Countries (Ferreira)

16h20
Sheltering withdrawal after a nuclear accident (Oudiz)

16h40
The SAGE project: Strategies and guidance for establishing a practical radiation protection culture in Europe In case of a long-term contamination after a nuclear accident (Crouail)

17h
Response to a radiological emergency — adjusting ability, capability and sensibility (Rozental)

17h20
Synthesis of the parallel session 4 and general discussion (Chair/Co-chair)

Friday November 25

9h
Overview of NAC

9h10
Improving nuclear and radiological emergency response through enhanced International cooperation

9h30
Regional Collaboration In Emergency Preparedness and Response: A Study of Complex Regional Decision-Making (Fisher)

9h50
Improving Nuclear Emergency Preparedness and Response — the Need to Exercise (Mclnnes)

10h10
Panel discussion (Heinrich, Dos Santos, Martinic, Chair)

10h
Coffee break

11h30 to CLOSING SESSION (Room: Itapu B)

12h30
Final discussion and conclusions (Conference Chairs)

Closing Remarks (Local Chair and Conference Chair)