



Atoms for Peace

الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energía Atómica

National Liaison Officer

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In reply please refer to: C3-RER9107/9006/01  
Dial directly to extension: (+431) 2600-25982

2013-08-27

**Subject:** Invitation to a Regional Workshop on Radioactive Waste Management Financing Schemes, Infrastructure Planning/Building for RW /SFW Management and Strategy Implementation, Vienna, Austria, 2-6 December 2013

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned workshop under the framework of TC Project RER/9/107 – Strengthening Radioactive Waste Management Capabilities. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the Agency will cover the cost of return international travel from the home country to Vienna, Austria and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with Agency rules and procedures.

Please submit duly completed Nomination Form for Meetings/Workshops by the latest **31 October 2013**. Please note that nominations received after the closing date will not be considered.

The completed nomination forms should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Should this not be possible, forms may be sent to the Programme Management Officer for this project, Mr Andrejs Salmins, through IAEA Official Fax (+43-1-26007) or E-Mail (Official.Mail@iaea.org).

Yours sincerely,

Manase Peter Salema  
Director  
Division for Europe  
Department of Technical Cooperation

Enclosures: Prospectus  
Nomination Form

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## International Atomic Energy Agency

### Regional Workshop on RWM financing schemes and formal infrastructure planning/building for RW/SFW management and strategy implementation

#### PROSPECTUS

- Project Number & Title:** RER9107 “Strengthening Radioactive Waste Management Capabilities”
- Place (City, Country):** Vienna, Austria
- Dates:** 2 – 6 December 2013
- Deadline for Nominations:** 31 October 2013
- Organizers:** The International Atomic Energy Agency (IAEA)
- Host Country Organizer:** Mr Andrejs Salmins  
Section Head  
International Atomic Energy Agency  
TCEU, Europe Section 2, B1078  
Wagramer Strasse 5  
1400 Vienna  
Austria  
EMail: a.salmins@iaea.org  
Fax: 43 1 26007  
Telephone: 43 1 2600 26442
- Language:** The Workshop will be held in English.
- Purpose:** The workshop objective is to discuss radioactive waste management (RWM) financing schemes and formal infrastructure planning/building for strategy implementation of RWM including spent nuclear fuel (SNF) declared as waste (SFW) management. It also aims at advising Member States (MS) on planning, predisposal and disposal technologies, and at assessing economy and costs related to SNF, RW (including SFW) management - both important for operating Nuclear Power Plants (NPP) and newcomer programmes implementation.
- Expected Output(s):** Assistance in establishment of financing schemes and formal infrastructure planning & building for RW/SFW management strategy implementation, as well as in reviewing operating NPP and newcomer programmes implementation. The expected outputs from presentations are to share experiences and best practices achieved.

**Scope and Nature:**

The five-day Workshop will include overview lectures outlining experience, best practices of financial schemes and formal infrastructure planning & building RW/SFW/SNF management strategy implementation as follows:

- Options in terms of infrastructure for RW and SF? Type of facilities needed and when? Quantity of waste to be produced? Period of disposal?
- Cash flows and nuclear power. Impact of strategic decisions on RWM (nuclear power: government or private, SNF: a waste or resource, price of electricity);
- Concept of net present value and its limitations;
- Key features of RWM/SF financing schemes;
- General structure of cost evaluations, hypotheses with regards to contingencies, taxes, insurances, inflation, discounting;
- Cost models, cost simulation, cost benchmarking, examining differences between waste types;
- Evaluating estimates and updating during project lifetime;
- Operators' and regulators' approach to evaluate and estimate;
- Financial control, managing risks and uncertainties;
- Previously performed cost evaluations of the predisposal management, near-surface and deep geological disposal;
- Worked examples using the figures from previous estimates (or fictional values) to work out the funding requirements.

Along with overview lectures the workshop programme will include discussions and participant presentations focused on MS specific experiences and problems encountered.

**Background Information:**

Countries using nuclear technology based on radioactive materials - including mining and milling of radioactive ores – generate a certain amount of radioactive waste. Such waste needs to be processed through segregation, treatment, conditioning and packaging to be either stored or disposed. Storage and disposal of radioactive waste need to be dealt with in all Member States. There is a continuous need to improve technology as well as human resources, to enhance and strengthen technical capacity, efficiency and safety of existing predisposal waste management facilities, or for building new waste processing / storage sites. Countries with small amounts of radioactive waste usually do not have solutions for final disposal. Since predisposal management of radioactive waste needs to be aligned with the disposal solutions, timely determination of integrated national policy and strategy is essential for the safe and effective management of radioactive waste.

There is a need to assist in defining efficient ways to improve existing waste management practices and to assist in the resolution of particular or common problems in MSs to address advanced approaches in radioactive waste management, such as integrated approach in planning and waste strategies implementation, waste minimization, recycling and reuse options, quality assurance and other requirements of predisposal waste management.

The main activities on this Project are group events to share experiences and on-job training for key staff to learn best practices. This project allows to

strategically focus on training and other activities of groups of MSs at similar levels of programme development, thus optimizing resources, delivering more deep than generic messages and also enhancing connections between the Member States. Relevant IAEA publications for the Workshop are:

- IAEA-TECDOC-1323. Institutional framework for long term management of high level waste and/or spent nuclear fuel. IAEA, Vienna, 2002 and
- IAEA-TECDOC-1552. Cost Considerations and Financing Mechanisms for the Disposal of Low and Intermediate Level Radioactive Waste. IAEA, Vienna, 2007.

**Participation:** The Workshop is designed for countries participating in the Regional Project RER9107. The target countries are: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Montenegro, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, The Former Yugoslav Republic of Macedonia, Turkey, Ukraine and Uzbekistan.

**Participants' Qualifications:** The participants should be specialists in Radioactive Waste Management (RWM). The participants should prepare in advance presentations outlining national experience and issues related to financing schemes and formal infrastructure planning/building for strategy implementation of RWM.

**Nomination Procedure:** Nominations for Meeting/Workshop should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Should this not be possible, nominations may be submitted on the standard IAEA Nomination Form for Meeting/Workshop and National Consultant (available on the IAEA website: <http://www.iaea.org/>). Completed forms should be endorsed by relevant national authorities and returned to the Agency through the official channels, i.e. the designated National Liaison Office for IAEA Matters.

The completed nomination forms should be sent to the Programme Management Officer for this project, Mr **Andrejs Salmins**, through IAEA Official Fax (+43-1-26007) or E-Mail ([Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), not later than **31 October 2013**. Nominations received after this date or which have not been routed through the established official channels cannot be considered.

**Administrative and Financial Arrangements:** Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Vienna, Austria, and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated workshop materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the workshop do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal

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property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the workshop, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.