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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

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2017-06-19

Subject: Invitation to a Regional Workshop on Assessing Financing Viability of Small and Modular Reactors (SMRs) using IAEA's Model FinPlan, Vienna, Austria, 11–15 December 2017


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/2/013 – Enhancing Energy Planning, Nuclear Power Infrastructure Development and Nuclear Safety Regulatory Oversight. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA 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 IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<https://intouchplus.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Ludmila Wiszczor (IAEA Official Fax: +43-1-26007 or E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **25 September 2017**.

Yours sincerely,

 Martin Krause
Director
Division for Europe
Department of Technical Cooperation

Enclosure: Prospectus

International Atomic Energy Agency

Regional Workshop on Assessing Financing Viability of Small and Modular Reactors (SMRs) using IAEA's Model FinPlan

PROSPECTUS

- Project Number & Title:** RER/2/013 – Enhancing Energy Planning, Nuclear Power Infrastructure Development and Nuclear Safety Regulatory Oversight
- Place (City, Country):** IAEA, Vienna International Centre, Vienna, Austria
- Dates:** 11–15 December 2017
- Deadline for Nominations:** 25 September 2017
- Organizers:** The International Atomic Energy Agency (IAEA)
- Language:** The language of instruction will be English.
- Purpose:** The purpose of the workshop is to provide training on assessing the financial viability of Small and Modular Reactors (SMRs) using the IAEA's model FinPlan. Participants will be introduced to financing challenges for nuclear power projects and provided hands-on training on the application of the FinPlan model to develop an understanding for assessing the financial viability of nuclear power projects.
- Expected Output(s):** The expected main outcome of the workshop is an improved understanding of participants how to apply the FinPlan model to assess the financial viability of nuclear power projects, in particular SMRs.
- Scope and Nature:** The workshop will introduce the participants to financing challenges for nuclear power projects and guide them in the use of supportive tools, such as the FinPlan model. Participants will identify different financing sources for nuclear power projects and will develop case studies to compare the financial viability of large NPPs and SMRs in their respective country context.
- The workshop will comprise lectures and work sessions with hands-on training focusing on computer-based modelling exercises. As a preparation to the workshop, participants are expected to get familiar with financing issues and to collect background information on energy and economic policy targets, and general financing conditions in their countries. If available, the participants should bring statistics and data on trends in energy investments in their countries, and annual reports of electricity utilities/companies.

Background Information:

A number of countries in the region are interested in introducing or expanding nuclear power. This interest arises from concerns related to future energy demands, energy security, economic competitiveness and climate change. Nuclear power is, however, facing several challenges. Among those, financing is one of the major obstacles for most of the countries interested in expanding or introducing nuclear power. A large nuclear power plant with two units of 1000 MW typically would need about US\$ 10 billion. This level of investment is beyond the financing capabilities of several countries. With reforms in the electricity sector - moving towards competitive electricity markets, the situation is getting worse, because the private investors cannot wait for 10-15 years to see the profits accruing on their investments, which is the case with large nuclear power projects. SMRs offer an attractive possibility as they can be developed progressively and the earnings from one module can be channelled to the construction of the next.

Participation:

The workshop is open to 20 participants from Member States listed under project RER/2/013, particularly those considering an introduction of nuclear power in their energy system.

Member States listed under RER/2/013 are Albania, Armenia, Belarus, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Poland, Romania, Russian Federation, Slovakia, Slovenia, The Former Yugoslav Republic of Macedonia, Turkey, Ukraine and Uzbekistan.

Participants' Qualifications:

The participants should be specialists in energy and electricity sector planning and development, presently working at governmental departments responsible for planning and development of nuclear energy, electric production utilities, existing/future owners/operators of nuclear power plants or research organisations. They can be engineers/scientists, economists or environmental specialists.

Nomination Procedure:

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<https://intouchplus.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Ludmila Wiszczor (IAEA Official Fax: +43-1-26007 or E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **25 September 2017**.

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 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.