



International Atomic Energy Agency

**INPRO Dialogue Forum on Global Nuclear Energy Sustainability:
Long-term Prospects for Nuclear Energy in the Post-Fukushima Era**

PROSPECTUS

Project Number & Title:	INT/2017- 9002-01“Capacity Building in Long-range Strategic Nuclear Energy Planning for Global Sustainability”
Place (City, Country):	Seoul, the Republic of Korea
Dates:	27-31 August 2012
Deadline for Nominations:	29 June 2012
Organizers:	The International Atomic Energy Agency (IAEA) in collaboration with the Government of the ROK through the Ministry of Education, Science and Technology (MEST) and Korea Atomic Energy Research Institute (KAERI)
Host Country Organizer:	<p>IAEA Meeting Directors:</p> <p>KAERI Meeting Director: Mr. Kwang-Seok LEE, Ph.D. Director, Division of Strategic and International Studies Korea Atomic Energy Research Institute; tel.: +82 42-868-8246, e-mail: leeks@kaeri.re.kr</p> <p>IAEA Meeting Directors: Mr. Pill-Hwan Park, Senior Nuclear Engineer, INPRO Group, Division of Nuclear Power, Department of Nuclear Energy; tel.: +43 1 2600 22818, e-mail: P.Park@iaea.org</p> <p>IAEA Programme Management Officer: Mr. Royal Frederick Kastens, Head, Latin America Section 1, Department of Technical Cooperation; tel.: +43 1 2600 26780, e-mail: R.F.Kastens@iaea.org</p> <p>IAEA Technical Officer: Mr. Randall L. Beatty, Head, INPRO Group, Division of Nuclear Power, Department of Nuclear Energy; tel.: +43 1 2600 24233, e-mail: R.Beatty@iaea.org</p> <p>IAEA Technical Officer: Mr. Peter Gowin, Programme Liaison Officer, INPRO Group, Division of Nuclear Power, Department of Nuclear Energy; tel.: +43 1 2600 22848, e-mail: P.Gowin@iaea.org</p>
Language:	English
Purpose:	The objective of the INPRO Dialogue Forum is to bring together nuclear technology users and technology holders from all IAEA interested Member

	<p>States and facilitate discussion so that technology holders can better understand the needs and concerns of technology users, and users can better understand the possibilities and limitations of technology holders associated with the development and deployment of innovative nuclear energy systems.</p> <p>This Dialogue Forum Meeting aims to discuss and identify major issues to ensure the long-range sustainability of nuclear energy on the national, regional, and global level, in the light of lessons learned from Fukushima.</p> <p>To this end, the Forum focuses on long-term prospects and forecasts for nuclear energy and fuel cycle development across nations and beyond generations in the 21st century. This meeting is also intended to provide a forum for open discussion and exchange of ideas to induce a paradigm shift in the thinking of nuclear safety and public acceptance and trust for the sustainable development of nuclear energy.</p>
<p>Expected Output(s):</p>	<p>Participating Member States will be provided with an opportunity to present their new national vision and strategy for future nuclear energy development given the changed policy environment after Fukushima. Major issues, challenges, and opportunities in the context of sustainability of future nuclear energy systems will be identified and recommendations for developing future INPRO programmes also made. Proceedings of this Dialogue Forum will be prepared and distributed to all participants.</p>
<p>Scope and Nature:</p>	<p>The meeting will mainly consist of two parts: a Dialogue Forum and technical tours subject to the Korean nuclear industries and nuclear power plants.</p> <p>The Dialogue Forum training will start with lectures and presentations given by IAEA and participants on the topics outlined above as follows:</p> <ul style="list-style-type: none"> • In the opening session, addresses and keynote speeches will be made by senior officials and several nuclear celebrities in the world. • In the session on long-term prospects for nuclear energy, presentations on future prospects for overall and selected nuclear areas will be made by international experts from policy research institutes and thus major issues and challenges for nuclear energy sustainability will be also sought. Some study results on world outlook and prospects for future nuclear energy development will be presented by international agencies such as IAEA, OECD/IEA, WNA, etc. • In the session on vision and strategy for nuclear energy programmes, from the perspectives of technology holders and users respectively, Member States will present their new national vision and strategy for future nuclear energy development programme taking into account the changed policy environment after Fukushima. Also regional (geographical aspect) long-term prospects or development trends for nuclear energy will be presented by relevant regional organizations or international experts. • In the session on nuclear energy system, safety and public acceptance, there will be presentations given by experts from international organizations, research institutes and NGOs followed by in-depth discussions to draw insights and policy implications for global nuclear energy sustainability in the 21st century. The topics will focus on nuclear energy systems including innovative and next generation reactor system, innovative fuel cycle systems, safety issues of nuclear power plant, socio-political issues and public acceptance.

	<p>In the break-out session, brain-storming exercises will be carried out by all participants grouped into selected topics on global nuclear energy sustainability. In this session, through active discussions participants will be given opportunities to explore and develop policy issues and recommendations that will be guided for future INPRO project development and IAEA activities going forward nuclear energy sustainability. The topics include:</p> <ul style="list-style-type: none"> • Challenges and opportunities for future nuclear energy sustainability • Fukushima lessons and their application to innovative nuclear systems • Safety approaches to innovative nuclear energy system after Fukushima • Socio-political issues including public acceptance • Enhanced future role of INPRO <p>The final session will consist of presentations summarizing the conclusions and recommendations drawn from breakout sessions. Also comprehensive discussion on the main topic will be made among all participants to draw policy implications and recommendations needed for IAEA to take follow up actions.</p>
<p>Background information:</p>	<p>Despite the Fukushima accident, nuclear energy will remain an important option for many countries in the coming decades. The Agency's post-Fukushima projections show that the accident will slow growth in nuclear power but not reverse it. Most countries that had strongly indicated their intentions to introduce nuclear power are continuing as planned. Only a few have cancelled or revised their plans. It will be difficult for the world to achieve the twin goals of ensuring sustainable energy supplies and curbing greenhouse gases without ensuring that nuclear power remains an important and sustainable part of the global energy mix.</p> <p>At the 18th INPRO Steering Committee, the INPRO Development Vision 2012-2017 and INPRO Action Plan 2012-2013 were approved. As per those Vision and Action Plan, INPRO has been implementing projects with respect to national long-range nuclear energy strategies and global nuclear energy scenarios. During this biennium period, INPRO has been developing a guidance applicable for Member States to establish national long-range nuclear energy strategies and formulating roadmaps for a transition to globally sustainable nuclear energy systems through developing scenarios for long-term development and deployment of nuclear energy.</p> <p>Through the Technical Cooperation (TC) Programme, the Agency seeks to bring together technology holders and technology users to discuss and share information on desirable innovations, ensuring that nuclear energy is available to meet long-term global energy needs in a sustainable manner. The INPRO Dialogue Forum is one mechanism for technology holders and users to discuss such innovations. The Forum also facilitates the participation of developing countries, allows them to benefit from it and engage in discussion on global nuclear energy sustainability.</p>
<p>Participation:</p>	<p>The meeting is open to some 50 participants from Albania, Algeria, Argentina, Armenia, Bangladesh, Belarus, Belgium, Brazil, Bulgaria, Canada, Chile, China, Croatia, Czech Republic, Egypt, Estonia, Finland, France, Germany, Ghana, Hungary, India, Indonesia, Israel, Italy, Japan, Jordan, Kazakhstan, Kenya, Republic of Korea, Kuwait, Libya, Malaysia, Mexico, Mongolia, Morocco, Netherlands, Niger, Nigeria, Pakistan, Poland, Romania, Russian</p>

	<p>Federation, Saudi Arabia, Slovakia, Slovenia, South Africa, Spain, Sudan, Sweden, Switzerland, Syria, Thailand, Tunisia, Turkey, Ukraine, United Arab Emirates, United Kingdom, United States of America, Uruguay, Vietnam, and European Commission.</p> <p>The meeting is also attended by invited senior officials from international organizations relating to nuclear energy such as the Nuclear Energy Agency (OECD/NEA), the International Science and Technology Centre (ISTC), the Generation IV International Forum (GIF), the European Atomic Energy Community (EURATOM), the European Atomic Forum (FORATOM), the International Framework for Nuclear Energy Cooperation (IFNEC), the World Nuclear Association (WNA), etc. and by invited experts from research institutes and universities.</p> <p>The participants from developed countries and from the countries which are not recipients of the IAEA Technical Cooperation (TC) assistance are kindly requested to attend the meeting on cost-free basis to the IAEA.</p>
<p>Participants' Qualifications</p>	<p>The meeting is targeted to senior officers or decision makers of national ministries and regulatory bodies responsible for nuclear energy programme and international cooperation activities and senior technical experts specialized in planning a nuclear power programme including future nuclear energy systems.</p> <p>The participants will be asked to give presentations (see item 2 under Scope and Nature) based on a template that will be provided before the meeting. The nomination form ('Description of Work') should include the role of the nominated participant in the country's development of a national strategy for nuclear energy.</p>
<p>Nomination Procedure:</p>	<p>Candidates wishing to sign on for this meeting should access the communication platform InTouch (http://intouch.iaea.org). There they can register and complete and update their professional profile online, and also track their participation in the IAEA Technical Cooperation Programme.</p> <p>In order to apply as a candidate for a meeting, please proceed as follows:</p> <ol style="list-style-type: none"> 1. "Register": Register to receive your user ID and password (help is available at: http://intouch.iaea.org/Portals/0/Help/How_to_sign_up.pdf) 2. "Profile": Complete your profile on InTouch (help is available at: http://intouch.iaea.org/Portals/0/Help/Profile_Help.pdf) 3. "Apply": Apply as a candidate for a meeting (help is available at: http://intouch.iaea.org/Portals/0/Help/InTouch%20Help%20-%20Meeting%20Course%20Nomination.pdf). <p>Help for each step can be found under the "Help" tab at the top of the web page.</p> <p>Requests received after the deadline of (29 June 2012) will not be considered. Only applications submitted through the National Liaison Officer of your country and/or ARCAL National Coordinators will be accepted. Please indicate clearly the following reference C1-INT2017-9002-01</p>
<p>Administrative and Financial Arrangements:</p>	<p>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</p>

	<p>matters.</p> <p>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 Seoul, Republic of Korea,—and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated meeting materials to the participants' home countries is not the responsibility of the IAEA.</p> <p>The organizers of the meeting 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 meeting, 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.</p>
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