



## INPRO: The project

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO) was established in 2000 as an IAEA flagship project, through a General Conference resolution. The project is focused on supporting the implementation of sustainable nuclear energy supplies to help meet 21<sup>st</sup> century global energy needs. INPRO's activities are centred on key concepts of assessment of nuclear energy system (NES) sustainability, support for development of long-range national and global nuclear energy strategies, and reporting on technological and institutional innovations that are necessary to achieve sustainable nuclear power programs in this century.

The INPRO Steering Committee has endorsed the INPRO Action Plan for 2014-2015. In the 2014–2015 programme and budget cycle, activities in four Tasks are being implemented: Task 1: global scenarios; Task 2: innovations; Task 3: sustainability assessment and strategies; and Task 4: policy and dialogue. Dialogue, coordination and cooperation between INPRO and other international organizations (e.g., Generation IV International Forum – GIF), with similar objectives, is part of INPRO's terms of reference and Action Plan.

Additional details are available on the INPRO website: <http://www.iaea.org/INPRO/>

## Activity: Policy Coordination and Dialogue – GIF-INPRO Interface

The 8<sup>th</sup> *GIF-INPRO Interface Meeting* is being implemented under a Task 4 activity: “coordination with other international organizations and initiatives.”

INPRO has developed an internationally recognized methodology for nuclear energy system assessment (NESA) of sustainability that has and is being used by several Member States as part of their NES planning activities. The existing INPRO Action Plan also has projects focused on the long-term global and regional development of NES, considering both existing and future technologies. In addition, projects on specific subjects of interest regarding technology and institutional innovation are being implemented in close cooperation among INPRO Members. Moreover, INPRO provides a Dialogue Forum for technology holders and users (including both experienced and “embarking” States) to share information of mutual interest. There are other international initiatives (e.g., GIF, IFNEC and SNETP) that share common goals with INPRO to help ensure the sustainable development of nuclear energy within the current century and beyond.

GIF is focused on developing six selected innovative nuclear reactor concepts. As part of this activity, GIF working groups have developed and maintain a suite of tools to analyse and compare different design alternatives related to the GIF reactor concepts from the perspectives of: 1) economics and sustainability, 2) safety and reliability, and 3) proliferation resistance and security.

Shared interests between GIF and INPRO have been confirmed in seven interface meetings held at the IAEA since 2003, having convened most recently in March of 2013. Areas of technical dialogue, coordination and cooperation have been explored in each of these meetings. Since the areas of interest in both INPRO and GIF involve activities of interest to additional organizations of the IAEA, INPRO encourages other IAEA organizations to participate in the interface meetings to continue the technical exchange and to explore and develop opportunities for cooperation. Example outcomes of these meetings include on-going collaboration between INPRO and two GIF working groups on topics of proliferation resistance and economics. Moreover, a decision was taken to hold joint workshops on safety design criteria for sodium cooled fast reactors. Three of these workshops have been held, with satisfactory results, in 2010, 2011 and 2013.

## Objectives and deliverables of the meeting

The objectives and deliverables of the meeting are to:

1. Exchange information on the progress, status and future plans of activities related to R&D and technology innovation of NES, including Gen IV reactors.
2. Monitor progress and update status of action items agreed in the previous interface meeting.
3. Continue exploring new areas having potential for cooperation and identifying action items and establishing priorities for further consideration.

## Expected participants

GIF will provide a final list of participants from their side (less than 20) including the Chairman, the technical directors and representatives from their other main functional organizations and reactor systems.

The list of participants from INPRO and other IAEA offices may include (but is not limited to):

- Mr A Bychkov, Mr JK Park, Mr JC Lentijo, Mr Z Drace, Mr G Dyck, Mr J Lyons, Mr P Hughes, Mr J Yllera, Mr D Shropshire, Mr I Jalal, Mr F Toth, and Mr J Sprinkle.
- Heads and staff of other NENP Sections/Groups and representatives of the INPRO Group.

## Location

The meeting will be held at the Headquarters of the IAEA in Vienna, Austria, Room F0811 (Building F).

International Atomic Energy Agency (IAEA)  
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1400 Vienna, Austria

## Responsible officers

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