



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 — focused in the insurance of a sustainable nuclear energy supply to help meet 21st century global energy needs. INPRO's activities are centred on the key concepts of global nuclear energy sustainability and the development of long-range nuclear energy strategies, so that nuclear energy is and remains available to meet national energy needs.

In the 2012–2013 programme and budget cycle, activities in four projects are implemented: Project 1: National long-range nuclear energy strategies; Project 2: Global nuclear energy scenarios; Project 3: Innovations (technical and institutional); and Project 4: Policy coordination and the INPRO Dialogue Forum.

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

Activity: Policy Coordination and Dialogue

The *6th GIF-INPRO Interface Meeting* is being implemented as Activity 8 in Project 4 (activity 1.1.4.4/8 of the IAEA Programme & Budget 2012–2013): “Coordination with other international organizations and initiatives”.

As part of INPRO Phase II the INPRO Steering Committee endorsed recently the INPRO Action Plan for 2012-2013. INPRO developed a methodology for nuclear energy systems assessment (NESA) on sustainability that has and is being implemented at several countries. The existing action plan includes also studies and projects focused on the long-term global and regional development of nuclear energy, considering both existing and future technologies. Additionally, projects on specific aspects of interest regarding technology innovation are being implemented by close cooperation among INPRO Members. At the same time INPRO provides a dialogue forum for technology holders and users, including a large representation of potential newcomers to nuclear energy, to share information on desirable innovations. Similar to INPRO's above activities, there are several international initiatives, e.g., GIF, IFNEC and SNE-TP, having as common goal to ensure the sustainable development of nuclear energy within this century.

GIF is focused on developing six selected innovative nuclear reactor concepts. In parallel to the development of these reactor systems, GIF pursues the establishment of suitable tools necessary to analyse different options related to the new reactor concepts from the viewpoint of economics, proliferation resistance, security and safety.

Synergies between GIF and INPRO have been confirmed mainly in the five interface meetings celebrated at the IAEA in 2003, 2005, 2008, 2010 and 2011. At the same time, areas of collaboration and cooperation have been explored in these meetings. The areas of interest of both initiatives cover programmatic activities performed by organizations of the IAEA in joint cooperation with INPRO or independently; it is the interest of both initiatives to continue exploring and developing the potential of synergy and cooperation, implementing the corresponding results. An outcome of these meetings was the decision to perform common workshops on key topics related to sodium cooled fast reactors. Two of these Workshops have being already implemented with satisfactory results to both parties one in 2010 and another in 2011.

Objectives and deliverables of this meeting

The objectives of the meeting are to:

1. Share information on the progress status and future plans of activities related to technology innovation of nuclear energy systems;
2. Monitor the progress of the action items of cooperation agreed in the last interface meeting;
3. Continue exploring new areas having potential of cooperation, identifying action items and establishing priorities for further consideration.
4. Discuss the results and future actions of the 2nd Joint GIF-IAEA/INPRO Workshop on Safety Aspects of Sodium-Cooled Fast Reactors held in November-December 2011;

Taking into account the availability of experts, the agenda of the meeting will also cover discussions related to updates of generic reactor safety review assessments as agreed in the previous meeting.

Expected participants

GIF will provide the final list of participants from their side, about 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 from other IAEA offices includes:

- Mr A. Bychkov, Mr J.K. Park, Mr T. Koshy, Mr M. Harper, Mr J. Lyons, Mr P. Hughes, Mr J. Yllera, Mr M. Gasparini, Mr I. Jalal, Ms N. Barkatullah and Mr J. Sprinkle.
- Heads of NENP Sections/Groups and the representatives of the INPRO Group.

Location

The meeting will be held at the Headquarters of the IAEA in Vienna, Austria, Room M6 (Building M).

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