



## Background

At present there are several international initiatives, e.g., GIF, INPRO, GNEP and SNE-TP, having as common goal to ensure the global sustainable development of nuclear energy within this century.

The objective of INPRO (International Project on Innovative Nuclear Reactors and Fuel Cycles) is to support the sustainable use of nuclear technology, in order to meet the global energy needs of the 21st century, and specifically to:

- Help to ensure that nuclear energy is available to contribute, in a sustainable manner, to the energy needs in the 21st century.
- Bring together technology holders and users so that they can consider jointly the international and national actions required for achieving desired innovations in nuclear reactors and fuel cycles.

As part of INPRO Phase II the INPRO Steering Committee endorsed an INPRO Action Plan for 2010-2011. INPRO developed a methodology for nuclear energy systems assessment (NESA) on sustainability that is being implemented. The 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. 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 to technology holders and users, including a large representation of potential newcomers to nuclear energy, to share information on desirable innovations.

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 four interface meetings celebrated at the IAEA in 2005, 2007, 2008 and 2010. At the same time, areas of collaboration and cooperation have been explored, resulting in a summary table of Action Items that is updated in each meeting. The areas of interest of both initiatives cover programmatic activities performed by organizations of the IAEA independently or in joint cooperation with INPRO; it is the interest of both initiatives to continue exploring and developing the potential of synergy and cooperation, implementing the corresponding results.

## Objectives of the Meeting

The main objectives of the meeting are:

- 1) To share information on the progress status and future plans of activities related to technology innovation of nuclear energy systems
- 2) To monitor the progress of the action items of cooperation agreed in the last interface meeting.
- 3) To continue exploring the areas of cooperation, identifying new action items and establishing priorities for further consideration.

Taking into account the availability of experts, the agenda of the meeting will cover also discussions related to workshops on fast reactors as agreed in the previous meeting.

## Programmatic Context

The meeting is being held under Sub-programme 1.1.4 (Coordination of the International Project on Innovative Nuclear Reactors and Fuel Cycles), Activity 1.1.4.2/04.01 of the IAEA's Programme & Budget 2010-2011.

## Expected participants

GIF will provide the final list of participants from their side, including the Chairman, the Technical Director and representatives from their other main functional organizations.

The list of participants from INPRO and from other IAEA offices includes:

- Messrs. A. Bychkov, J.K. Park, G. Dyck, M. Gasparini, I. Jalal, I. Khamis, B. Molloy, A. Stanculescu, A. Starz and H. Subki.
- INPRO Area Coordinators and the representatives of the INPRO Group.

## Location

The meeting will be held at the Headquarters of the IAEA in Vienna, Austria.

International Atomic Energy Agency (IAEA)  
Vienna International Centre  
Wagramer Strasse, 5  
1400 Vienna, Austria  
**Meeting Room: M6 (Building M)**

## Responsible officers

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