

### Global Nuclear Energy Partnership Statement of Principles

Global Nuclear Energy Partnership (GNEP) is cooperation of those States that share the common vision of the necessity of the expansion of nuclear energy for peaceful purposes worldwide in a safe and secure manner. It aims to accelerate development and deployment of advanced fuel cycle technologies to encourage clean development and prosperity worldwide, improve the environment, and reduce the risk of nuclear proliferation.

States participating in this cooperation would not give up any rights, and voluntarily engage to share the effort and gain the benefits of economical, peaceful nuclear energy.

Commitments and international obligations, including IAEA safeguards and the requirements of UN Security Council Resolution 1540, will be strictly observed. The highest levels of nuclear safety and security will be maintained.

The cooperation will be carried out under existing and, where appropriate, new bilateral arrangements as well as existing multilateral arrangements such as the Generation IV International Forum and the International Project on Innovative Nuclear Reactors and Fuel Cycles.

While recognizing the need for a variety of approaches and technical pathways in achieving a long-term vision of the future global civilian nuclear fuel cycle, which will help ensure that nuclear energy makes a major contribution to global development in the 21<sup>st</sup> century consistent with non-proliferation and safety objectives, this cooperation will be pursued with the following objectives:

- Expand nuclear power to help meet growing energy demand in a sustainable manner and in a way that provides for safe operations of Nuclear Power Plants and management of wastes.
- In cooperation with the IAEA, continue to develop enhanced nuclear safeguards to effectively and efficiently monitor nuclear materials and facilities, to ensure nuclear energy systems are used only for peaceful purposes.

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- Establish international supply frameworks to enhance reliable, cost-effective fuel services and supplies to the world market, providing options for generating nuclear energy and fostering development while reducing the risk of nuclear proliferation by creating a viable alternative to acquisition of sensitive fuel cycle technologies.
- Develop, demonstrate, and in due course deploy advanced fast reactors that consume transuranic elements from recycled spent fuel.
- Promote the development of advanced, more proliferation resistant nuclear power reactors appropriate for the power grids of developing countries and regions.
- Develop and demonstrate, inter alia, advanced technologies for recycling spent nuclear fuel for deployment in facilities that do not separate pure plutonium, with a long term goal of ceasing separation of plutonium and eventually eliminating stocks of separated civilian plutonium. Such advanced fuel cycle technologies, when available, would help substantially reduce nuclear waste, simplify its disposition and draw down inventories of civilian spent fuel in a safe, secure, and proliferation-resistant manner.
- Take advantage of the best available fuel cycle approaches for the efficient and responsible use of energy and natural resources.

Other countries that share this vision will be welcome to participate.

We voluntarily affirm this Statement of Principles while acknowledging its non-binding nature.

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United States

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