Nuclear Transparency in Peaceful use of nuclear energy

"A cooperative process of providing information to all interested parties so that they can **independently assess the safety, security, and legitimate management of nuclear materials***"
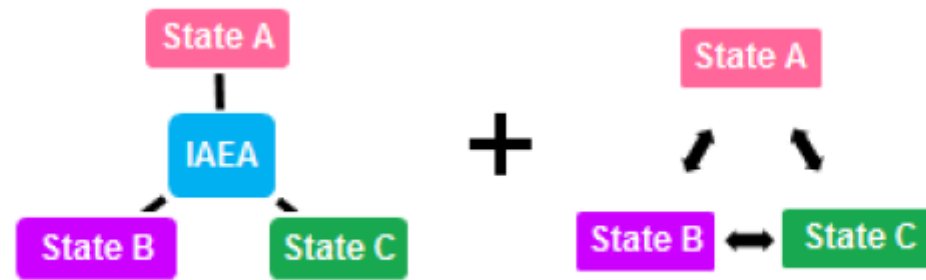
Features:

➢ **Voluntary Process**

➢ **Qualitatively and quantitatively enough** for understanding and for independent assessment

➢ Transparency is one of the **Confidence Building Measures** (CBMs)

*: Nuclear Facility Transparency: Definitions and Concepts, Charles D. Harmon et al., Cooperative Monitoring Center Sandia National Laboratories (2000)

Benefits of Nuclear Transparency

Category	Transparency Measures	Benefits
Arms Control (multilateral, bilateral)	Providing data on nuclear forces and objective size of nuclear arsenal, pre-notification of relevant strategic activities*	Global and regional stability, (strategic) risk reduction*
IAEA-States (bilateral)	IAEA Safeguards, Additional Protocol (AP)	Strengthen IAEA Safeguards, International confidence building
States-States (regional, bilateral)	Regional cooperation through regional framework (ex. FNCA, APSN), capacity building, technology development	Regional confidence building, reinforce and promoting IAEA Safeguards

State A

IAEA

State B   State C

+

State A

State B   State C

Overview of Japan Atomic Energy Agency's Regional Transparency Efforts, B.Hoffheins, et al., July 2011

*: G7 Leaders' Hiroshima Vision on Nuclear Disarmament (2023)

Proactive Transparency Efforts

➢ **Promoting understanding of importance through international and regional frameworks**

  ➢ Sharing and outreaching of good practices by organizing workshop (e.g. Asian Pacific Safeguards Network (APSN))

  ➢ Utilization of Additional Protocol (AP)

➢ **Information dissemination and promotion of achievements related peaceful use of nuclear energy**

  ➢ Publication of Pu amount for civilian use and utilization plan based on Pu Management Guidelines (INFCIRC/549) and of status of HEU management

  ➢ Disclosure of information on the production status of fissile materials for nuclear weapon by NWS (Hiroshima Action Plan)