



Panel Discussion 1

Strengthening Nuclear Non-proliferation

**The International Forum on Peaceful Use of Nuclear
Energy, Nuclear Non-Proliferation and Nuclear Security**

**13 December 2018
Jiji Press Hall, Tokyo, Japan**

Panelists

Moderator:

- **Prof. Masahiko Asada** (Graduate School of Law, Kyoto University, Japan)

Panelists:

- **Mr. Frédéric Claude** (Section Head, Section for Safeguards Programme and Coordination, IAEA)
- **Mr. Stephen LaMontagne** (Advisor, Bureau of International Security and Nonproliferation, Department of State, USA)
- **H.E. Mr. Takeshi Nakane** (Ambassador for Science and Technology Cooperation, Special Assistant to the Minister for Foreign Affairs, Japan)
- **Mr. Yosuke Naoi** (Director, ISCN, JAEA)

Outline of Panel Discussion 1

Topics:

- 1. Effectiveness and efficiency of the IAEA Safeguards**
- 2. Steps towards denuclearization of DPRK**

1. Effectiveness and efficiency of the IAEA Safeguards

- ✓ Implementation of the Joint Comprehensive Plan of Action (JCPOA)

Question A: Any good practices in implementation of JCPOA?

How about cooperation with Iran in the area of capacity building?

1. Effectiveness and efficiency of the IAEA Safeguards

- ✓ **Strengthening the Effectiveness and Improving the Efficiency of IAEA Safeguards**

1. Effectiveness and efficiency of the IAEA Safeguards

Question B: Any comments on ongoing efforts in strengthening the effectiveness and improving the efficiency of the IAEA safeguards?

Safeguards environment is changing fast

1. Increase in demand 2010-2017

+21%

Nuclear
material under
Safeguards

+10%

Nuclear facilities
& locations
outside facilities
under
Safeguards

2. Increasing spent fuel transfers & decommissioning

Irradiated plutonium
under Safeguards

3. Increasing Volume of information and more global nuclear cooperation & trade

e.g. big data, globalization,
connectivity

1. Effectiveness and efficiency of the IAEA Safeguards

Question C: Any comments on what kind of safeguards approaches will be essential in order to address emerging challenges in an effective and efficient manner?

Foreseeable emerging safeguards challenges

- ✓ New nuclear power reactors e.g. SMR
- ✓ Decommissioning existing facilities
- ✓ Increasing the amount of IAEA inspection activities

Open Floor Discussion

2. Steps towards denuclearization of DPRK

Question D: Any comments on possible application of good practices, and the role of IAEA and member states in such denuclearization process?

Foreseeable challenges for denuclearization

- ✓ International frameworks for denuclearization
- ✓ Dismantlement and removal of nuclear weapons etc.
- ✓ Verification for all stages in the process
- ✓ Other elements, if any

2. Steps towards denuclearization of DPRK

Question E: Any comments on future prospects, specifically technical contributions to achieving denuclearization of DPRK from global stakeholders including JAEA?

Open Floor Discussion

Summary of discussions