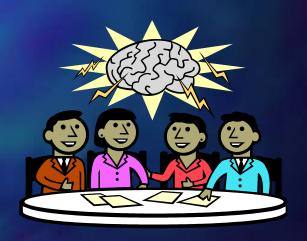
Panel Discussion 1-1

Strengthening the Effectiveness and Improving the Efficiency of IAEA Safeguards

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Discussion Points

- 1. Improving safeguards effectiveness and efficiency;
- 2. Limitation of safeguards and proliferation resistance;
- 3. Additional Protocol (AP) and integrated safeguards (IS);
- 4. Gaps in safeguards application to civilian nuclear facilities in NWSs and NNWSs.

1. Improving safeguards effectiveness and efficiency

- > Further improvement of IS;
- Effective SSAC/ Increased Cooperation;
- Information-driven safeguards;
- > Safeguards-by-Design (SBD);
- > Enhancement of "transparency";
- Development in safeguards technology.

2. Limitation of safeguards and proliferation resistance

- ➤ In practice, can it happen for States where both AP and IS are in place to embark on a "nuclear breakout" scenario?
- ➤ Is the PR technologies viable in terms of cost effectiveness?
- ➤ Where should we focus on PR technology development?

3. Additional Protocol and integrated safeguards

- ➤ How can we achieve further universalization of APs and expansion of IS application?
- What are the possible ways to internationally make it a standard practice for States to adhere to both CSA and AP, instead of CSA alone that is currently required by NPT Article 3?

4. Gaps in safeguards application to civilian nuclear facilities in NWSs and NNWSs

- ➤ How to fill in the gaps in safeguards application to civilian nuclear facilities, particularly in the area of financial burden?
- ➤ Are there ways to expand safeguards application to civilian nuclear facilities in NWSs without increasing much of IAEA inspection resources?