

# Panel Discussion 1-1

## Strengthening the Effectiveness and Improving the Efficiency of IAEA Safeguards

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# Discussion Points

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- 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

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- 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?**