



SOME CONSIDERATIONS ABOUT THE EVOLUTION OF INTERNATIONAL SAFEGUARDS

- **STRENGTHENED AND MORE EFFICIENT
SAFEGUARDS**
- **DEVELOPMENT OF STATE LEVEL SAFEGUARDS
CONCEPTS & TECHNOLOGIES**
- **COOPERATION, ROLE OF REGIONAL SYSTEMS**

STATE LEVEL CONCEPT IN SAFEGUARDS IMPLEMENTATION

Safeguards have been strengthened and nowadays are evolving towards State level approaches based on pre-defined generic safeguards objectives.

Technology plays a role

States specific factors are also considered as part of the features to define verification efforts in each State.

Some considerations about the future of international safeguards

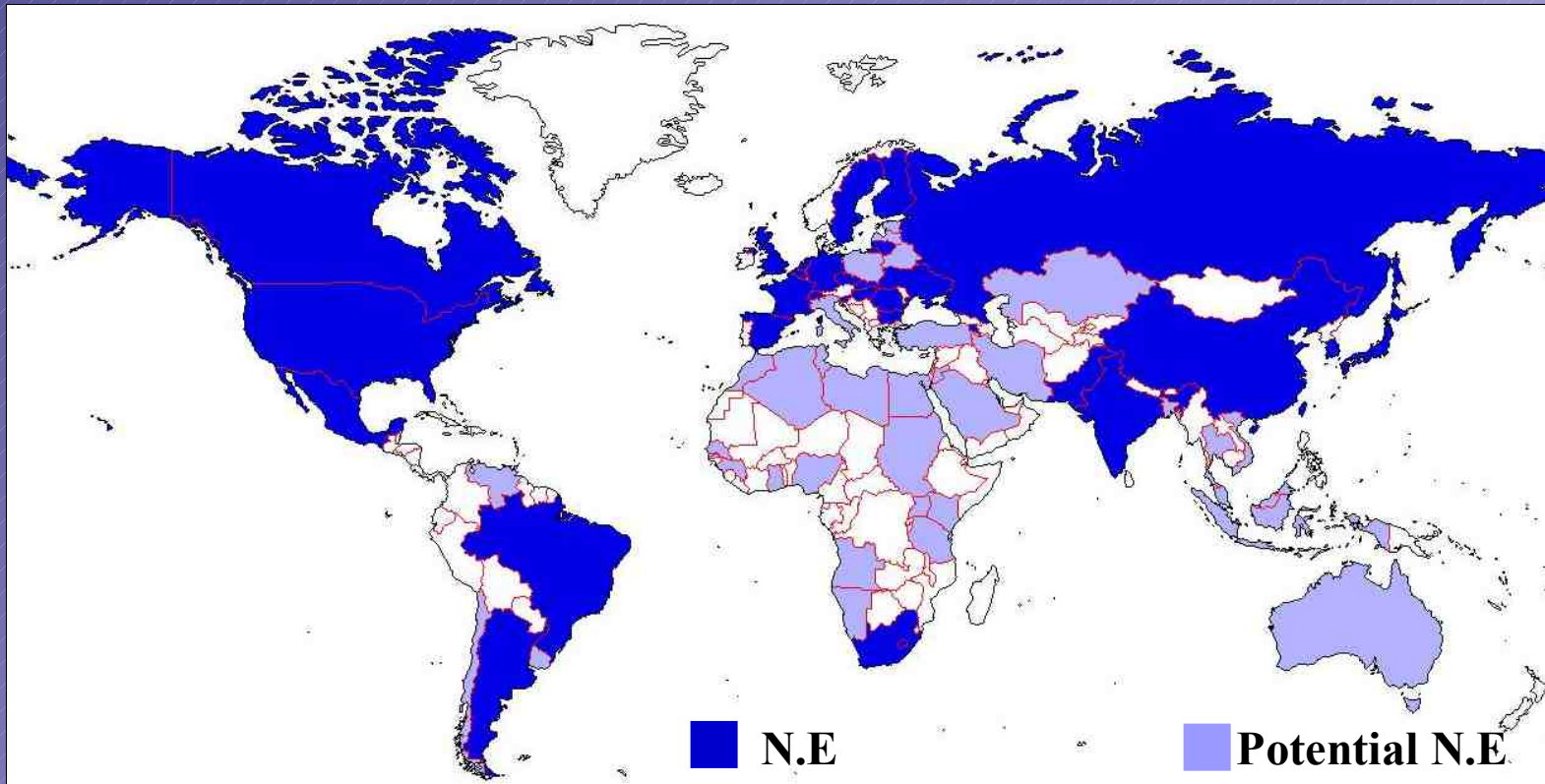
Expansion of nuclear energy, growing need of energy for sustainable development

Credible safeguards to facilitate nuclear energy expansion in a cooperative and confidence environment



The IAEA and the safeguards system play and will continue to play a fundamental role providing confidence and assurances that States are complying with their commitments of peaceful use of nuclear energy

Global scenario GROWING OF N. ENERGY, EXPANSION AND NEW COMERS



STATE LEVEL CONCEPT IN SAFEGUARDS IMPLEMENTATION

International Safeguards have been strengthened

- **CSA (Part 1& other measures and technologies)**
- **Additional Protocol (Part 2 measures)**
- **Other tools and techniques (information analysis, satellite imagery, ES)**

Goal: Increase the assurance on the completeness & correctness of States Declarations under their respective safeguards agreements

To enhance the confidence on the absence of undeclared nuclear materials and activities: What to do, how far to go (boxes)

IMPLEMENTATION OF INTERNATIONAL SAFEGUARDS

International Safeguards and the Non proliferation regime have been strengthened

About Safeguards it is important to look on how they are being implemented

- CSA continue to be central (Safg. Standard to be followed by others)
- Additional Protocol –important tool
 - for all type of safeguards agreements in its entirety
 - Not mechanistic – no systematic
 - Under the framework and principles that guide safeguards implementation (Cooperation, confidence, trust) and within the framework & context
- New techniques and technologies should be developed within such a framework and considering synergies:
- **SAFEGUARDS BY DESIGN – PROLIFERATION RESISTANCE – SAFEGUARDS FRIENDLY + TECHNOL FOR SAFEGUARDS MSSP**

IMPLEMENTATION OF INTERNATIONAL SAFEGUARDS

International Safeguards and the Non proliferation regime have been strengthened

- **Importance of a balance and a clear boundary conditions (in particular for the activities related to potential findings of undeclared...)**
- **Need to ensure safeguards technical competence, objectivity and non discrimination**
 - **technologies, analysis of information, verification effort**

Implementing the State-Level Approach - Challenges

The NPT Review Conference welcomes the important work being undertaken by IAEA in the conceptualization and development of State-level approaches to safeguards implementation and evaluation, and in the implementation of State-level integrated safeguards approaches, which result in an information-driven system of verification that is more comprehensive, as well as more flexible and effective...

STATE LEVEL CONCEPT IN SAFEGUARDS IMPLEMENTATION: Modern, information driven-safeguards

- It is assumed that SLA provides the basis for a more focused safeguards without undermining the efficiency and the effectiveness of safeguards.
- Takes into account States specific factors, like fuel cycle characteristics, the existence of competent SSAC and in our case, the existence of ABACC as a regional safeguards organization and a NWFZ

Safeguards evolution, State-Level Approach - Challenges

- **Ensuring**
 - cost – effective and adequate safeguards**
 - **non discrimination**
 - **technically sound safeguards**
 - **not hamper economic and technological developments and cooperation and avoid undue interference in States peaceful nuclear activities**
 - **consistency and transparency in implementation**
 - **appropriate reporting & involvement of Member States and Policy making organs**

Remarks

- **International safeguards are evolving towards a more risk informed, flexible system**
 - **Capable to differentiate among countries w/o discriminating**
 - **Take more into account States factors (Arg. Br. Abacc)**
- **Increase cooperation with ABACC (e.g., rely more in ABACC's findings, decrease intensity of verification, etc). CSA already foresees this possibility!**
- **Increase transparency and cooperation with States, in particular new comers**
 - **Effective and also efficient safeguards to all, ROLE OF TECHNOLOGY**

SAFEGUARDS ACTIVITIES UNDER THE QUADRIPARTITE SAFEGUARDS AGREEMENT

Increased cooperation between ABACC & IAEA in applying efficient and effective safeguards, a new impetus

The NPT Review Conference notes that bilateral and regional safeguards can play a key role in the promotion of transparency and mutual confidence between States, and that they can also provide assurances concerning nuclear non-proliferation

A real example of cooperation and transparency, how to make it better: Safeguards at State level

- **TLATELOLCO NWFZ TREATY (1967)**
- **ARGENTINA, BRAZIL AND ALL LATIN AMERICAN COUNTRIES HAVE BROUGHT INTO FORCE ALL RELEVANT NUCLEAR NON PROLIFERATION TREATIES,**
- **BRAZIL AND ARGENTINA HAVE BROUGHT INTO FORCE THE AGREEMENT BETWEEN ARGENTINA & BRAZIL FOR THE EXCLUSIVE PEACEFUL USES OF NUCLEAR ENERGY (1991)**
- **FULL SCOPE SAFEGUARDS WITH THE IAEA (1991)**
- **NPT TREATY (1995)**
- **NSG & OTHER GROUPS & NUCLEAR COOPERATION AGREEMENTS**

Further consideration should be given on the value that factors like the ones presented has on how Agency's safeguards should be applied at the level of States: Increased cooperation between IAEA and ABACC could and should be enhanced to the fullest extent possible

The evolution of IAEA Safeguards to State level may provide a new impetus to move forward in that direction

Final remark

The IAEA and the safeguards system play and will continue to play a fundamental role providing confidence and assurances that States are complying with their commitments of peaceful use of nuclear energy

Credible & Efficient safeguards to facilitate nuclear energy expansion in a cooperative and confidence environment



Muchas gracias!