



**EUROPEAN COMMISSION**  
Directorate General « Transports and Energy »  
**Directorate I « Nuclear Safeguards »**

18-19 May 2006 JAEA Forum in Tokyo



EUROPEAN COMMISSION, DIRECTORATE TREN-I "Nuclear Safeguards"

**Status of the implementation of  
Euratom Treaty Safeguards  
and related R&D**

by **Maurizio Boella**

*Head of Unit I1*

*"Concepts, evaluation of inspections, logistics"*

18-19 May 2006 JAEA Forum in Tokyo



## The evolution of the European Commission Safeguards system

18-19 May 2006 JAEA Forum in Tokyo



## The evolution of the European Commission Safeguards system

- **2002** : High Level Expert Group reporting
- **2003** : Scientific Advisory Group on Euratom Safeguards reporting
- **2004** : Communication of the Commissioner to the College on Euratom safeguards approaches

18-19 May 2006 JAEA Forum in Tokyo



### The evolution of the European Commission Safeguards system

- **2005** : Meeting in London of the **EU MS national experts** in October
- **2005** : non-paper « **New Framework for Euratom Safeguards** » noted by **COREPER** at the **European Council** in December



### The evolution of the European Commission Safeguards system

- **2006** : EC draft document « **Implementing Euratom Treaty Safeguards** » issued on April
- **2006** : (Expected soon) New Communication of the **Commissioner** to the **College** on **Euratom safeguards approaches**



EC *draft* document  
« **Implementing Euratom Treaty Safeguards** »

18-19 May 2006 JAEA Forum in Tokyo



EC draft document  
« **Implementing Euratom Treaty Safeguards** »

**Main contents:**

• **Implementation of Euratom Treaty Article 77 (a)**

Criteria for planning verification activities:

- \* type and quantity of fissile material
- \* type and complexity of the installation
- \* quality of the operator's NMAC system
- \* equipment used for safeguards purposes

18-19 May 2006 JAEA Forum in Tokyo



EC draft document  
« **Implementing Euratom Treaty Safeguards** »

**Main content:**

**Implementation of  
Euratom Treaty Article 77 (b)**

- **The present official agreements fully apply**
- **Need to look for an increase in efficiency**
- **Present evolution of safeguards systems to be taken into account**

18-19 May 2006 JAEA Forum in Tokyo



**Cooperation with the IAEA**

➔ **COOPERATION WITH THE IAEA IS A KEY ISSUE**

- \* **Valuable technical support provided by the European Commission to the IAEA**
- \* **High Level Meeting in Vienna expected soon**
- \* **Cooperation agreement to be defined**

18-19 May 2006 JAEA Forum in Tokyo



**European Safeguards Research and Development  
Association**

**ESARDA**

- \* **ESARDA was created more than 35 years ago**
- \* **ESARDA changed recently its Contract of Collaboration**
- \* **ESARDA organizes annual meetings**

18-19 May 2006 JAEA Forum in Tokyo



**ESARDA**

**ESARDA 2006 will be held in Luxembourg (30 May – 1 June)**

- \* **Closed session, Working Groups Workshop**
- \* **WG on**  
Nuclear Material Accountancy and Control Auditing Focus

18-19 May 2006 JAEA Forum in Tokyo



## ESARDA 2006 in Luxembourg (30 May – 1 June)

### Other Working Groups

**\* WG on:**

- \* Destructive assay
- \* Non destructive analysis
- \* Containment and Surveillance
- \* Fuel Fabrication Plants
- \* Integrated Safeguards
- \* Training and Knowledge Management
- \* Verification Technologies and Methodologies

18-19 May 2006 JAEA Forum in Tokyo



***Thank you for your attention***

18-19 May 2006 JAEA Forum in Tokyo