

Overview of the Technical Cooperation Programme 2009-11 for Europe Region

**Training of National Liaison Officers/Assistants and
new Staff Members**

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27 May 2009



Purpose

To give an overview of TC Programme and in particular of TC Europe region organization

To present TC Europe Programme for 2009-2011, and its major trends and issues

To inform of priority activities

The IAEA and its Mission

*Maximizing the contribution of nuclear
technology to the world
while verifying its peaceful use*



IAEA Mission and Activities: Three Pillars

1. Safeguards & Verification

The IAEA performs an indispensable role in furthering non-proliferation through verifying States' commitments regarding the peaceful use of nuclear energy

2. Safety & Security

The IAEA works to protect people and the environment from harmful radiation exposure.

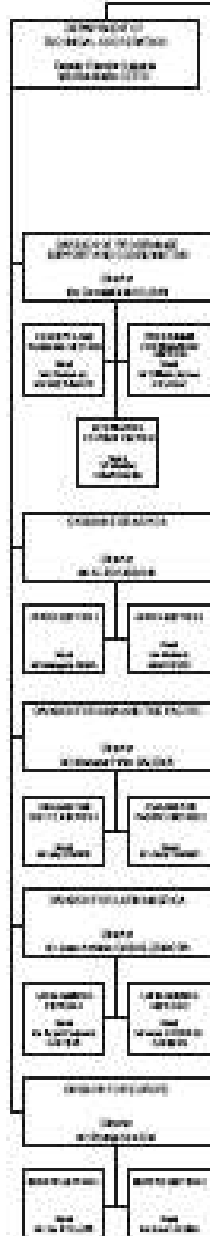
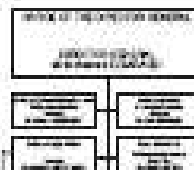
3. Science & Technology

The IAEA works to foster nuclear applications in Member States.

IAEA at a Glance

- Founded in 1957
- 145 member states
- 2300 professional and support staff
- Headquarters in Vienna
- 2 scientific laboratories and research centres
- **Budget in 2009**
 - Regular Budget: € 291 m
 - Technical Coop. Programme: US\$ 85 m
 - Others (security fund, safeguards support programmes,...)





What is the IAEA TC Programme?

..a bridge
between
Member States
and the Agency

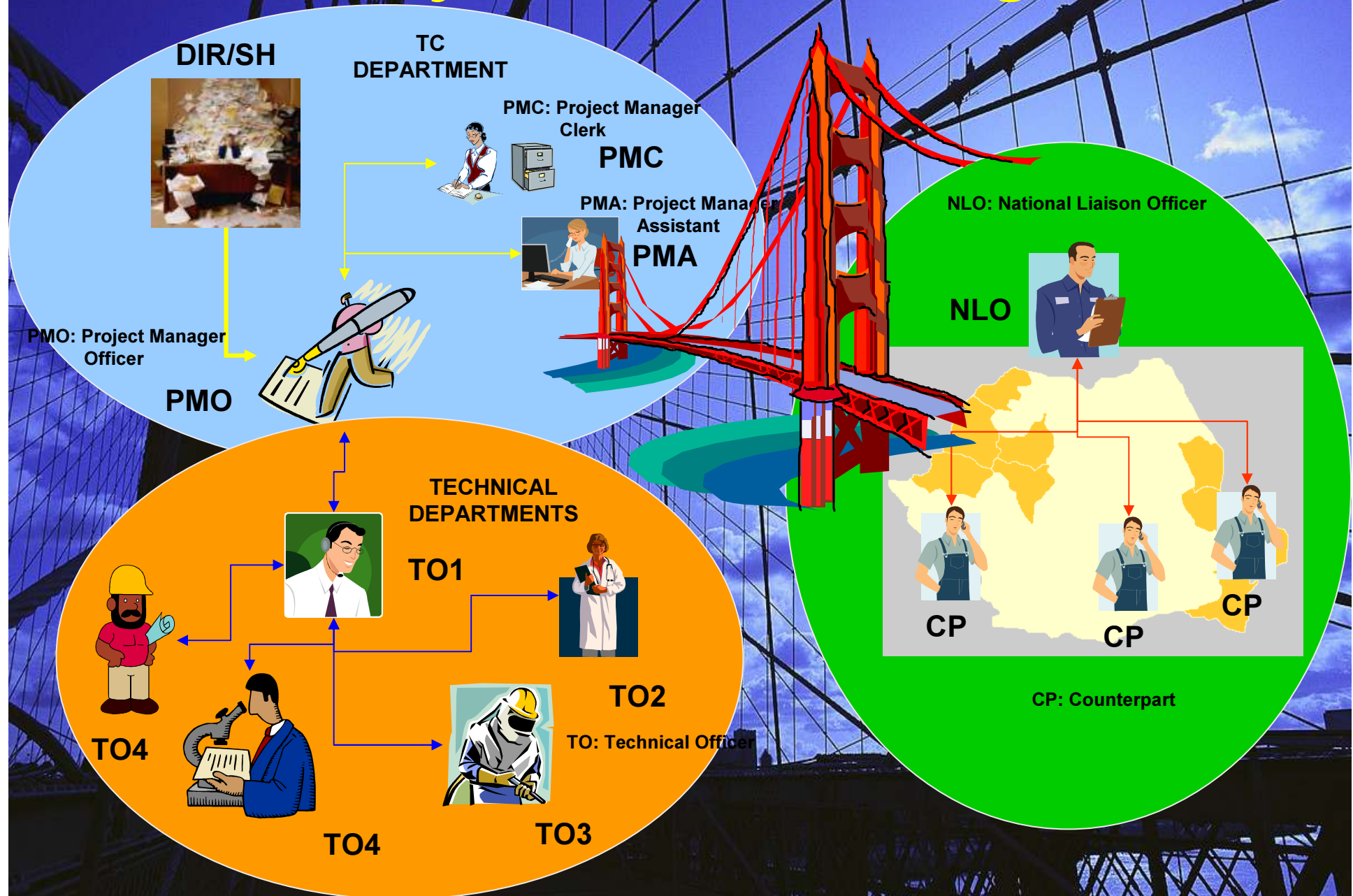
..a mechanism
for pooling
House's
technical
resources



Core Budget
\$ 85 m/y
Extrabudgetary
~ \$ 50 m/y
Tech. & Admin. Backstopping
~ 30 m/y



Project Team Building



Project Team Work



PMO: country overview, partnership & fund-raising



**TO: technical integrity
of the project**



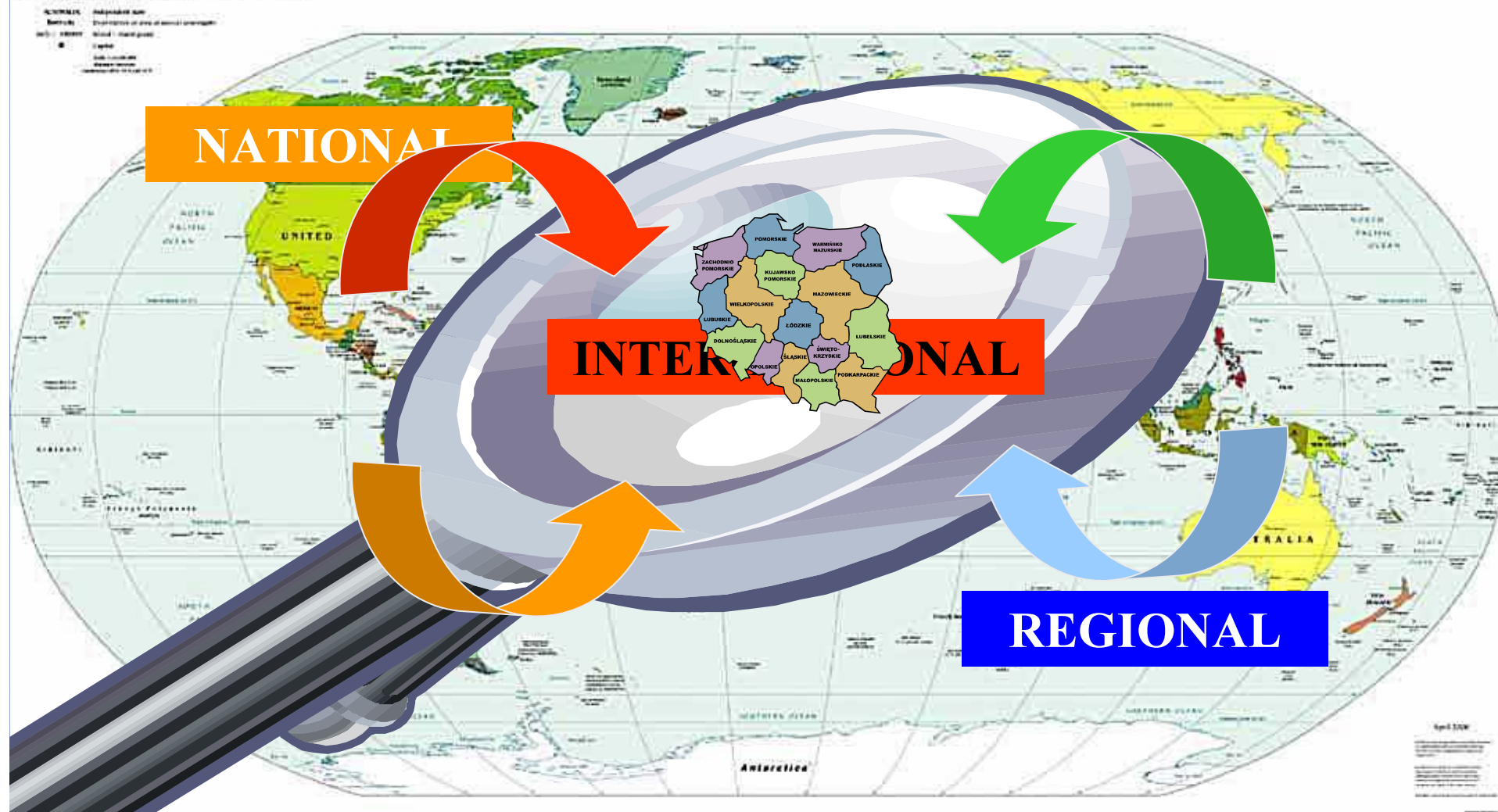
NLO: national support



CP: management of the project

TYPES OF PROJECTS

Political Map of the World, April 2000



TC EUROPE REGION

32

IAEA Member States
have active
participation

14 EU COUNTRIES

- Bulgaria
- Greece
- Romania
- Hungary
- Poland
- Slovakia
- Czech Rep.
- Latvia
- Lithuania
- Portugal
- Estonia
- Slovenia
- Cyprus
- Malta

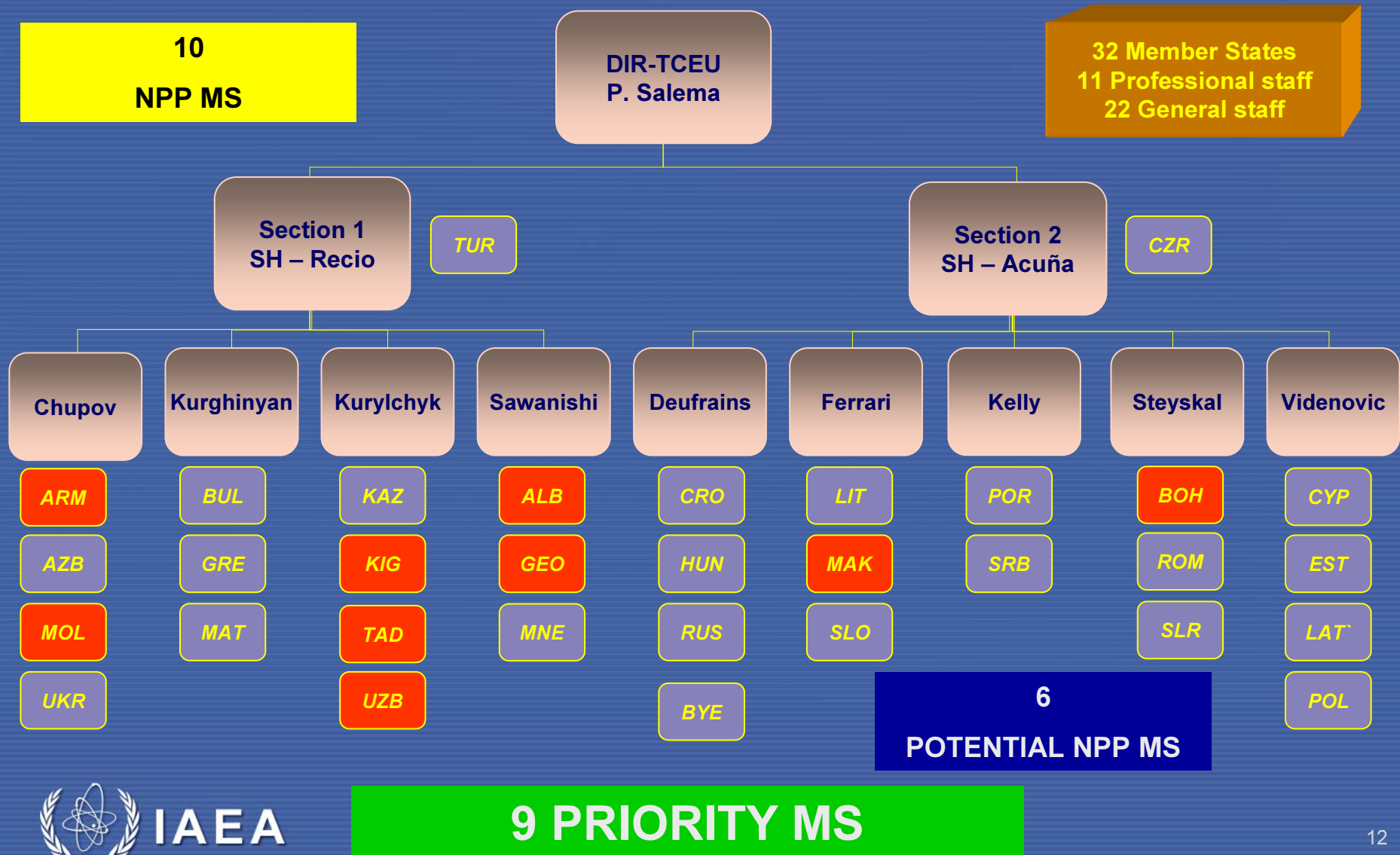
7 EU CANDIDATE AND PRECANDIDAT COUNTRIES

- Croatia
- Turkey
- FYR of Macedonia
- Albania
- Serbia
- Montenegro
- Bosnia and Herzegovina

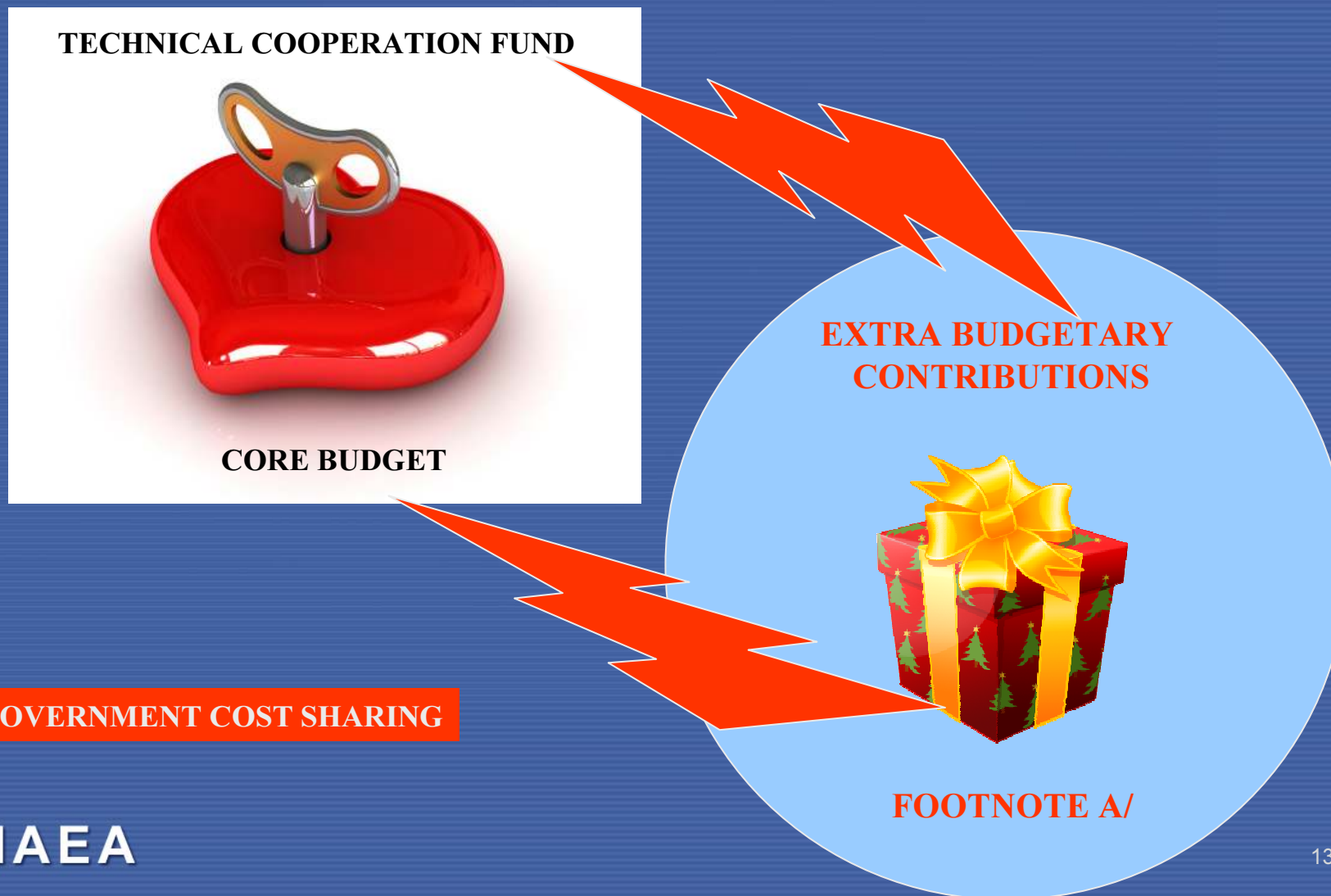
11 COMMONWEALTH OF INDEPENDENT STATES COUNTRIES

- Georgia
- Armenia
- Azerbaijan
- Kazakhstan
- Uzbekistan
- Kyrgyzstan
- Ukraine
- Russian Federation
- Moldova
- Byelorussia

TC Europe Organization & Taxonomy



Funding the TC Programme



TCEU Budget for 2009-2011

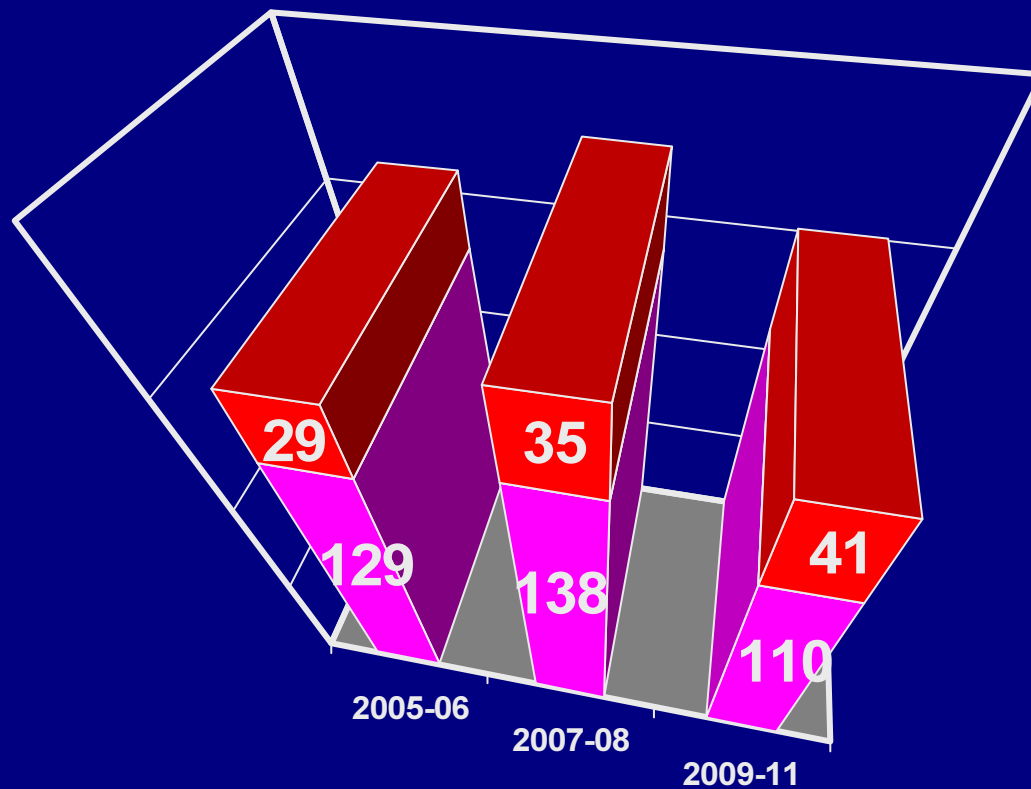
	National Projects	International Projects	TARGET
<i>Core Budget</i>	54% \$ 32.9m	46% \$ 27.8m	\$ 60.7m
<i>Footnote A/</i>	34% \$ 41.1m	66% \$ 78m	\$ 119.1m
<i>TOTAL</i>	41% \$ 74m	59% \$ 85.8m	\$ 179.8m

**SECURE
BUDGET**

**TCEU
Unfunded
Budget
Amounts to
~ 40 M\$/y**



GLOBAL TRENDS



■ National ■ Regional

1

**FEWER BUT
BETTER
PROJECTS**

2

**FEWER
NATIONAL
PROJECTS...**

3

**...AND MORE
REGIONAL
PROJECTS**

Balance 1: Regional vs. National TCP

- Increasing regional focus
 - Sectoral priorities: Safety, Energy, Health, Isotope, General
 - Budget trends: National vs. Regional towards 54:46
- EU14 initiatives
 - From capacity building to info-sharing, regional networking
- Regional TCP main characteristics
 - LCC, participating MS, resource MS identified
 - Counterparts' names for regional projects must be submitted to the Agency before 2009
 - Open to all WEOG

Balance 2: Human vs. Procurement

- Core budget trend: HR vs. PR = 64:36
- HR components
 - Expert component sharp increase for meetings, workshops
 - Training component increase for English/Russian courses
 - Fellowship/SV component decrease
- PR components
 - Major equipment only through national TCP, with GCS
 - Complex service contracts require intensive management attention
 - Programme Support Cost (PSC) required to handle big EB activities

Balance 3: Hard Core vs. Footnote a/

- Budget trend: HC vs. FA = 1 : 2
- Steady increase in Footnote a/ funding
 - From GCS on medical equipment
 - From EU/GTRI on Russian Research Reactor Fuel Return (RRRFR), LEU conversion programme
- Need structured approach on partnership building
 - Coordination with EU AidCo, Enlargement, EU RELEX
 - Coordination with the Instrument for Nuclear Safety Cooperation (INSC): non-EU MS
 - Resource mobilizer support on safety, environment, health issues

Balance 4: Sectoral Distribution

- Major thematic sectors
 - Power: nuclear safety, nuclear energy
 - Non-power: health, isotope applications
- NE & NS account for 62% of the total TCF for Europe
- Increase in nuclear energy: 10 + 6 MS
 - Mainly through regional TCP, HR activities
- Increase in isotope applications
 - Environmental monitoring: marine, air, water
 - Cultural heritage, agriculture emerging: sub-regional projects

DESIGNING THE PROGRAMME

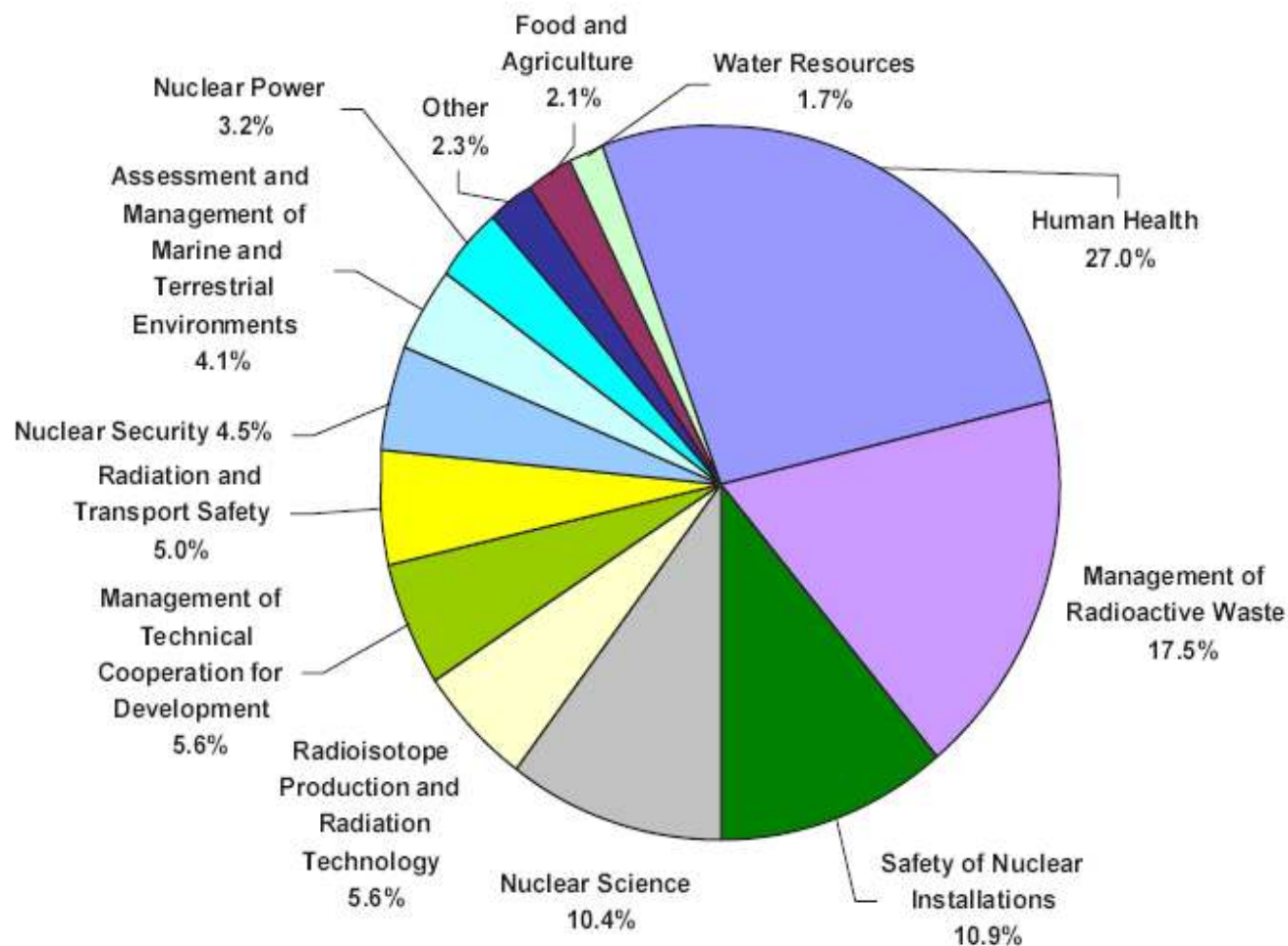
DESIGNING NATIONAL PROGRAMME

- **Country Programme Framework (CPF)**

**A programming tool that provide a frame of reference for TC between the IAEA and its MS in the medium term (4-6 years).
Concise frame of main national development needs/problems that can be addressed using nuclear science and technology.**

- **Programme cycle:**
 - **Project concepts (submitted by Member State)**
 - **Project designs (IAEA-MS team work)**
 - **Implementation and performance assessment**

Main topics in TCEU National Programmes



Example of special topics

VINCA INSTITUTE NUCLEAR DECOMMISSIONING PROGRAMME



- Environmental, safety and security hazards
- Joint effort: SB, US (NTI), EU (IPA), Czech Republic, Russian Federation,...
- Total budget of VIND hase III not totally funded yet (transport and final disposal)

Examples of national projects with unfunded budget

- Supporting upgrades and fuel conversion of WWR-K Reactor in Kazakhstan → M\$ (0.56 + 2.6)
- Upgrading Radiotherapy Services in Kyrgyzstan → M\$ (0.7 + 0.5)
- Introducing Positron Emission Tomography (PET) in Clinical Practice in FRY Macedonia → M\$ (1.2 + 0.5)
- Developing Soil Conservation Strategies for Improved Soil Health in Tajikistan → M\$ (0.4+0.2)
- Improving Operational Safety of the Research Reactor at the Institute of Nuclear Physics in Uzbekistan (Phase II) → M\$ (0.7 + 1.0)

DESIGNING REGIONAL PROGRAMME

- **European Regional Profile (ERP)**

The ERP is a programmatic tool that includes an analysis of the present situation in the region and trends for regional cooperation, as well as a detailed discussion of the priorities areas of technical cooperation at the regional level

- **Used as a reference toolbox for screening and designing priority regional projects**
- **Identifies 4 main sector for regional cooperation plus 1 cross-cutting sector**

Regional TCEU

Isotope Application & Environment

CONCEPT Nº	TYPE	TITLE	LCC	CORE	FOOTNOTE A
RER2007030	New	Nuclear techniques for Characterization and Preservation of Cultural Heritage Artefacts in Europe region	ROMANIA	\$ 484 975	\$ 0
RER2007064	New	Quality Control Methods & Procedures for Radiation Technology	HUNGARY	\$ 588 000	\$ 0
RER2007060	New	Regional Cooperation on Early Warning and Surveillance of Highly Pathogenic Avian Influenza (HPAI)	BULGARIA	\$ 412 375	\$ 226 800

Human Health Sector

CONCEPT Nº	TYPE	TITLE	LCC	CORE	FOOTNOTE A
RER2007077	New	QUATRO: Improving the Quality of Radiotherapy Services	MACEDONIA	\$ 351 520	\$ 0
RER2007041	New	Improving Clinical Practice in Nuclear Medicine	SLOVENIA	\$ 930 250	\$ 0
RER2007046	New	Strengthening Regional Capacity in Medical Radiation Physics	POLAND	\$ 746 380	\$ 0
RER2007066	New	Improving Clinical Practice in Radiation Oncology	ESTONIA	\$ 724 800	\$ 0
RER2008005	New	Sustainable Strategies for Developing Countries in Cancer. Capacity needs Assessments and National Cancer Control Planning		\$ 0	\$ 322 050
SUB TOTAL	5			\$ 2 752 950	\$ 322 050
SUB TOTAL	11			\$ 4 223 210	\$ 2 223 535

Regional TCEU

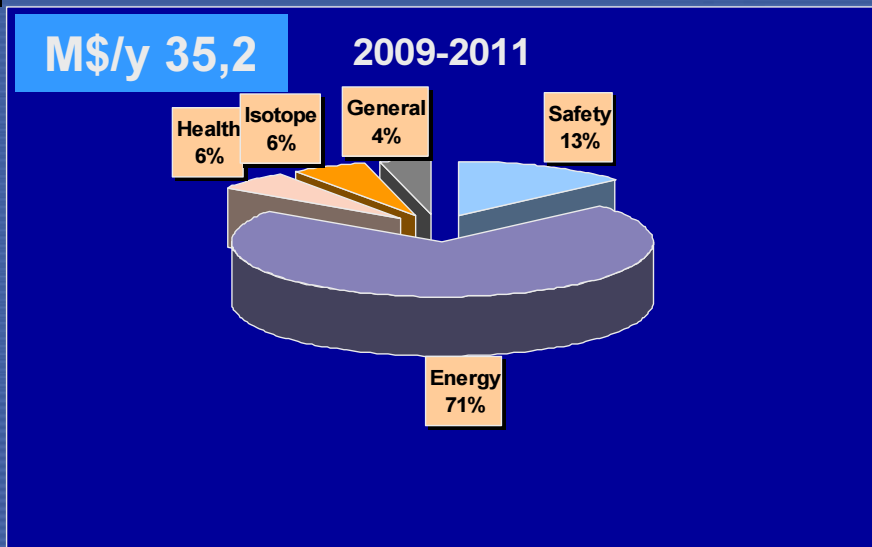
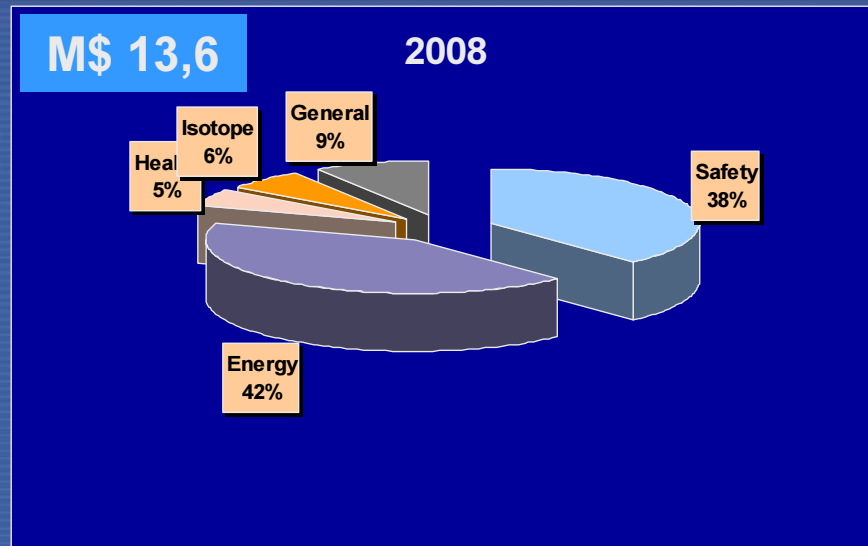
General Sector

General

CONCEPT N°	TYPE	TITLE	LCC	CORE	FOOTNOTE A
RER2007079	New	Strengthening Capabilities for Nuclear Knowledge Preservation		\$ 331 450	\$ 140 000
RER2007080	New	Improving Sustainability of National Nuclear Institutes in the modern Science and Technology Framework	ROMANIA	\$ 623 952	\$ 120 000
RER2007015	New	Improving Educational and Training Capabilities in Nuclear Science and Applications	CROATIA	\$ 477 500	\$ 240 000
RER2007085	New	Country and Regional Capacity Building, Programme Planning and Monitoring		\$ 2 075 832	\$ 0
SUB TOTAL	4			\$ 3 508 734	\$ 380 000

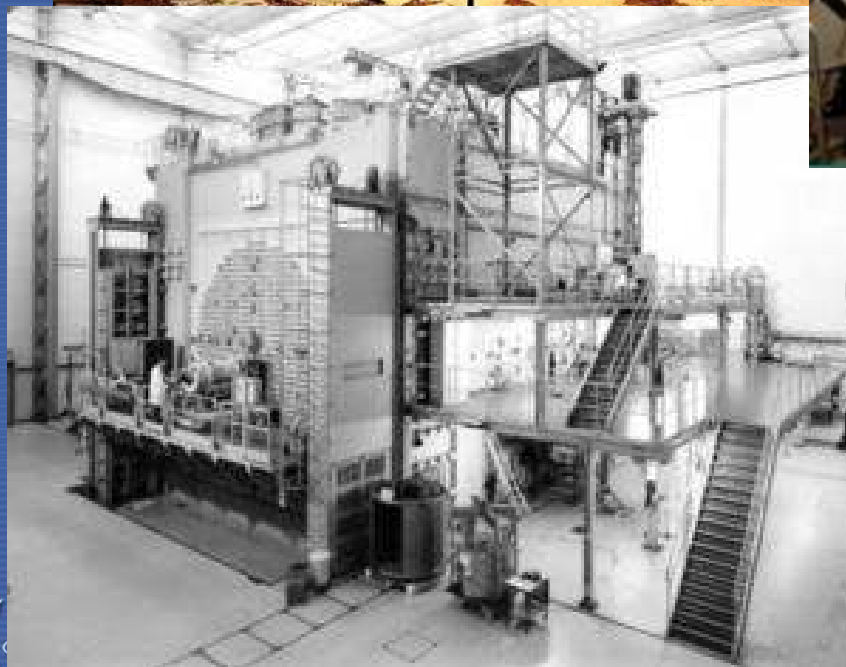
Regional TCEU

Projects Distribution (Total budget)



Regional TCEU Special Projects

**ENHANCING
SAFETY OF
RESEARCH REACTORS**



**HIGHLY ENRICHED
FUEL
REPATRIATION**



LATEST DEVELOPMENTS

2008: European Regional Profile adopted

- Common Position Statement (May 2008)
- Regional TCP 2009–2011 designed in the framework of the ERP
- GRE & POR: no more national TCP
- RUS & TUR: followed EU MS model (no more national TCP)

2009: Drafting a Strategy Paper

- Continuous IAEA-MS dialogue mechanism
- Short, medium and long term technical cooperation goals
- Financial and procedural arrangements
- Partnership and cooperation with other international institutions

**THANK YOU FOR YOUR
ATTENTION**

QUESTIONS?