IAEA Peaceful Uses Initiative

Informal Technical Briefing
23 March 2017

PUI overview

- Instrumental in mobilizing additional extra-budgetary contributions for IAEA activities in peaceful applications of nuclear technology

- Used to support a wide variety of IAEA activities and to respond to evolving priorities of Member States, in a flexible and rapid manner

- GC resolutions on TC and "nuclear science, technology and applications" welcomed the PUI and encouraged contributions.

PUI financial overview

- PUI is not a special fund, nor parallel mechanism to TCF

- Extrabudgetary contributions, including PUI, support unfunded Regular Budget activities or TC footnote-a/ projects/activities

- PUI revenue allocated to specific projects/activities: recorded as part of Extrabudgetary contributions (EB-RB and EB-TC) and included in the Agency's Financial Statements, Annex A2

- PUI contributions which are not immediately recognized as revenue: recorded as deferred revenue, and included in the Agency's Financial Statements, Annex A4

Progress since the last briefing

- Increased visibility through the distribution of promotional material, and highlighting of the PUI at various side-events in particular during the GC

- Enhanced accessibility to PUI activities through the PUI web portal

- Enhanced in-house coordination on PUI activities

Progress since the last briefing

- **3** additional Member States contributed to the PUI, increasing the total to **22** Member States & EC:
  - o Australia, **Canada**, Czech Republic, France, Germany, Hungary, Indonesia, Ireland, Israel, Japan, Kazakhstan, Kuwait, Korea, **Malaysia**, Monaco, New Zealand , Norway, Sweden, Switzerland, **Turkey**, United Kingdom and United States of America.
  - o European Commission

- An additional amount of **€ 16M** was received, totalling the PUI contributions to € **106M**
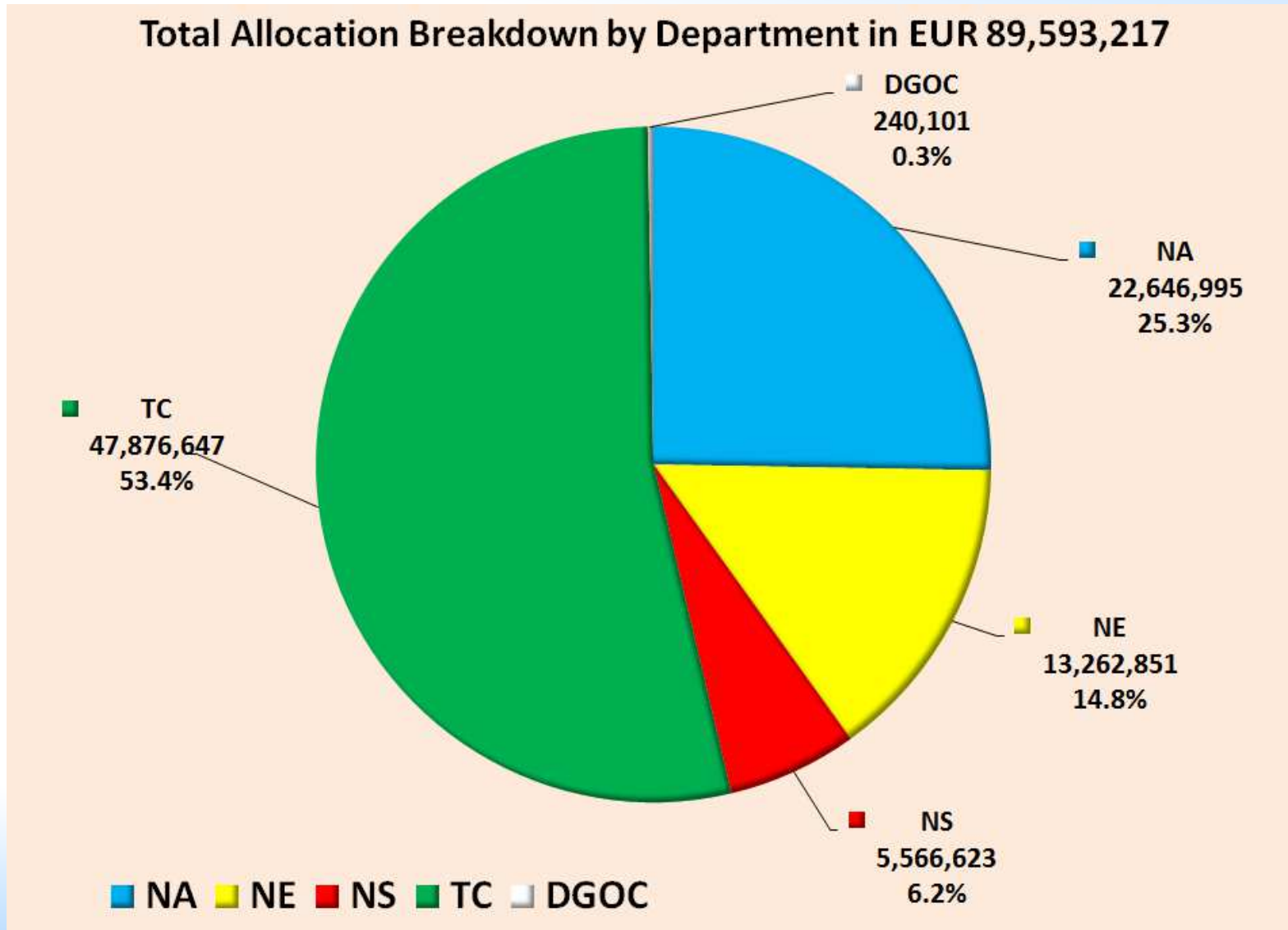
Benefit of PUI: Support more projects

- The PUI has supported 240 projects:
  - 102 projects have been completed
  - 138 projects are ongoing

- The PUI contributions benefit more than 150 Member States

Benefit of PUI: Response to emergency

- Marine benchmark study on the possible impact of the Fukushima radioactive releases in Asia and the Pacific in 2011

- Outbreak of Ebola Virus in West Africa in 2014.

- Outbreak of Zika Virus in Latin America and the Caribbean in 2016

- Nuclear technology to verify the integrity of infrastructure in case of natural disasters in Asia and the Pacific in 2017

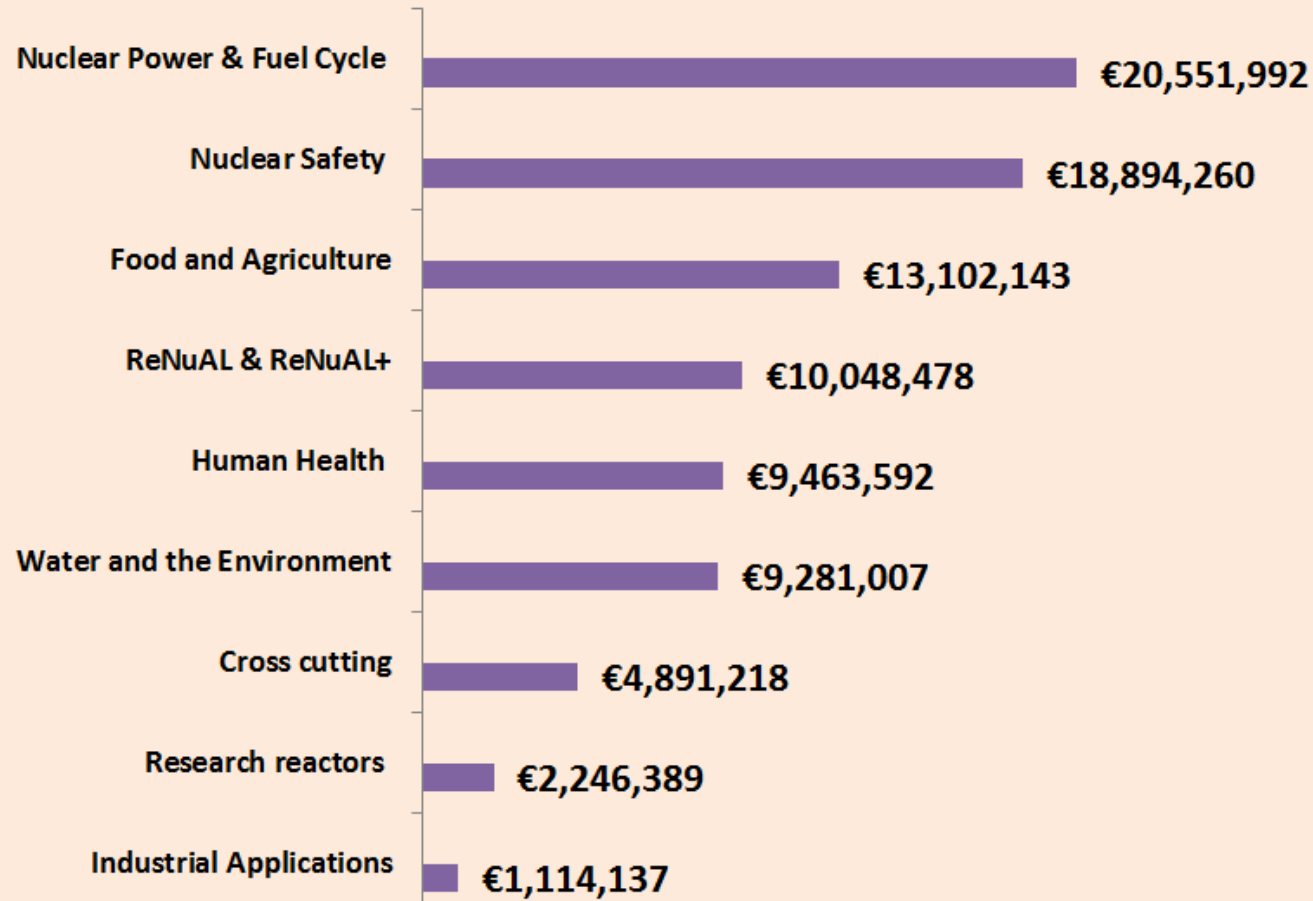# Allocation Breakdown: Departments

Total Allocation Breakdown by Department in EUR 89,593,217

DGOC
240,101
0.3%

NA
22,646,995
25.3%

TC
47,876,647
53.4%

NE
13,262,851
14.8%

NS
5,566,623
6.2%

NA NE NS TC DGOC

PUI allocation breakdown: Thematic areas

Total: EUR 89,593,217 (as of 31 December 2016)

Thematic area	Allocation
Nuclear Power & Fuel Cycle	€20,551,992
Nuclear Safety	€18,894,260
Food and Agriculture	€13,102,143
ReNuAL & ReNuAL+	€10,048,478
Human Health	€9,463,592
Water and the Environment	€9,281,007
Cross cutting	€4,891,218
Research reactors	€2,246,389
Industrial Applications	€1,114,137

PUI stories: ReNuAL and ReNuAL+

Example: Modernizing the NA laboratories in Seibersdorf

Objective of project: Better support Member States through lab services and training in the areas of food & agriculture, human health, the environment and the development and use of nuclear scientific instruments

Timeline: 2014 – 2021

Estimated budget: ReNuAL: € 31 million
ReNuAL+: € 26 million

PUI funding received: ReNuAL: approx. € 9.1 million
ReNuAL+:   approx. € 1.0 million

PUI stories: ReNuAL and ReNuAL+

Achievements

- Increased capabilities, including new and refurbished lab space and new equipment to support Member States through applied R&D, capacity building and technical services

Way Forward

- Insect Pest Control Lab & Dosimetry bunker completed & in operation by early-2018
- Flexible Modular Lab (FML) completed & in operation by 3rd quarter 2018
- Further funding needs: € 6.7 million
- Funds also required for new equipment & refurbishment

PUI stories: Human Health

Example: The 2014 Ebola outbreak in West Africa (TCP)

Objective of project: To Enhance EVD diagnostic capacities in the African region.

Timeline: 2015-2019

Estimated budget: € 5.5M

PUI funding received: € 1.9M

PUI stories: Human Health

Achievements

- Improved capacities to diagnose and survey EVDs in the field under adequate Bio Safety Conditions.

- Improved communication between human health and veterinary sectors.

Way Forward

- Further strengthen capacity for diagnosis of emerging zoonotic diseases in wildlife and livestock in Member States in the region through:

  o high-quality surveillance and diagnostic platforms;

  o continuous training on biosecurity and biosafety; and

  o establishment of early warning systems.

- Further funding needs: € 3.6M

PUI stories: Food and Agriculture

Example: VETLAB – Tackling transboundary animal diseases (NA)

Objective of project: To support the harmonization of regional and global approaches for detection of animal transboundary diseases.

Timeline: **Phase 1**: 2010-2016
Phase 2: 2016-2019

Estimated budget: €4.5 M

PUI funding received: € 2.8M

PUI stories: Food and Agriculture

Achievements

- VETLAB network was established to help ensure national capacities for the immediate detection and identification of diseases outbreaks.

- It connects scientists and laboratories across borders with the IAEA, FAO, OIE and other partners.

- It plays an important role in global efforts to eradicate *peste des petits ruminants* (PPR) by 2030.

Way Forward

- Further expand the VETLAB network in Africa and Asia.

- Expand the VETLAB network to other regions.

- Further funding needs: € 2M

PUI stories: Water & the Environment

Example: IWAVE – Protecting and Sustainably Managing Water Resources (NA)

Objective of project: To strengthen water resource management and methodology.

Timeline: 2010-2016

Estimated budget: € 1.6M

PUI funding received: € 1.1M

PUI stories: Water & the Environment

Achievements

- Participating Member States developed a comprehensive approach to identifying gaps in the knowledge and capacity for sustainable water resources management.

Way Forward

- The IWAVE methodology tested and the lessons learned are now being integrated into the formulation of new regional TC projects in Africa, Latin America and the Caribbean regions.

- No additional funds are required for the implementation of the IWAVE project as the project has been completed.

PUI stories: Energy

Example: Global Supply of Nuclear Education and Training Programmes through Research Reactor Facilities (NE)

Objective of project: To support Member States in developing nuclear capacity through use of and access to research reactors.

Timeline: 2011-2018

Estimated budget: € 1.3M

PUI funding received: € 1.2M

PUI stories: Energy

Achievements

- Member States received live internet broadcasting of reactor experiments in University classrooms to compliment academic curricula.

- The project also supported regional research reactor school organized in Asia and the Pacific.

Way Forward

- The Agency intends to expand the 'Internet Reactor Laboratory' in Asia and the Pacific and Africa

- Expand support for regional research reactor school in Africa and in the Caribbean.

- Compendium on "Research Reactor Experiments for Higher Education Programmes" will be finalized.

- Further funding needs: € 100K

PUI stories: Nuclear Safety

Example: Coordination Group for Uranium Legacy sites (CGULS) (NS)

Objective of project: To enhance coordination of organizations working towards remediation and safe regulatory control of uranium legacy sites in Central Asia.

Timeline: 2016-2019

Estimated budget: € 900K

PUI funding received: € 385K

PUI stories: Nuclear Safety

Achievements

- Focused, concentrated efforts towards final remediation of the legacy sites.

- Established a strong technical cooperation between IAEA and key partner organizations.

- Increased awareness and engagement from Member States participants in CGULS activities.

Way forward

- Expand the project to other regions.

- Further funding needs: €1.5M to expand project to a further 20 MS.

Upcoming PUI outreach opportunities

- NPT Preparatory Commission: May 2017, Vienna

- TC International Conference: May-June 2017, Vienna

- IAEA General Conference: September 2017, Vienna

- Ministerial Conference on Nuclear Power: October-November 2017, Abu Dhabi

PUI website:
https://www.iaea.org/about/pui
PUI email: pui@iaea.org

Thank you!