IAEA
International Atomic Energy Agency
Atoms for Peace and Development

IAEA Capacity Building for Mercury Analysis

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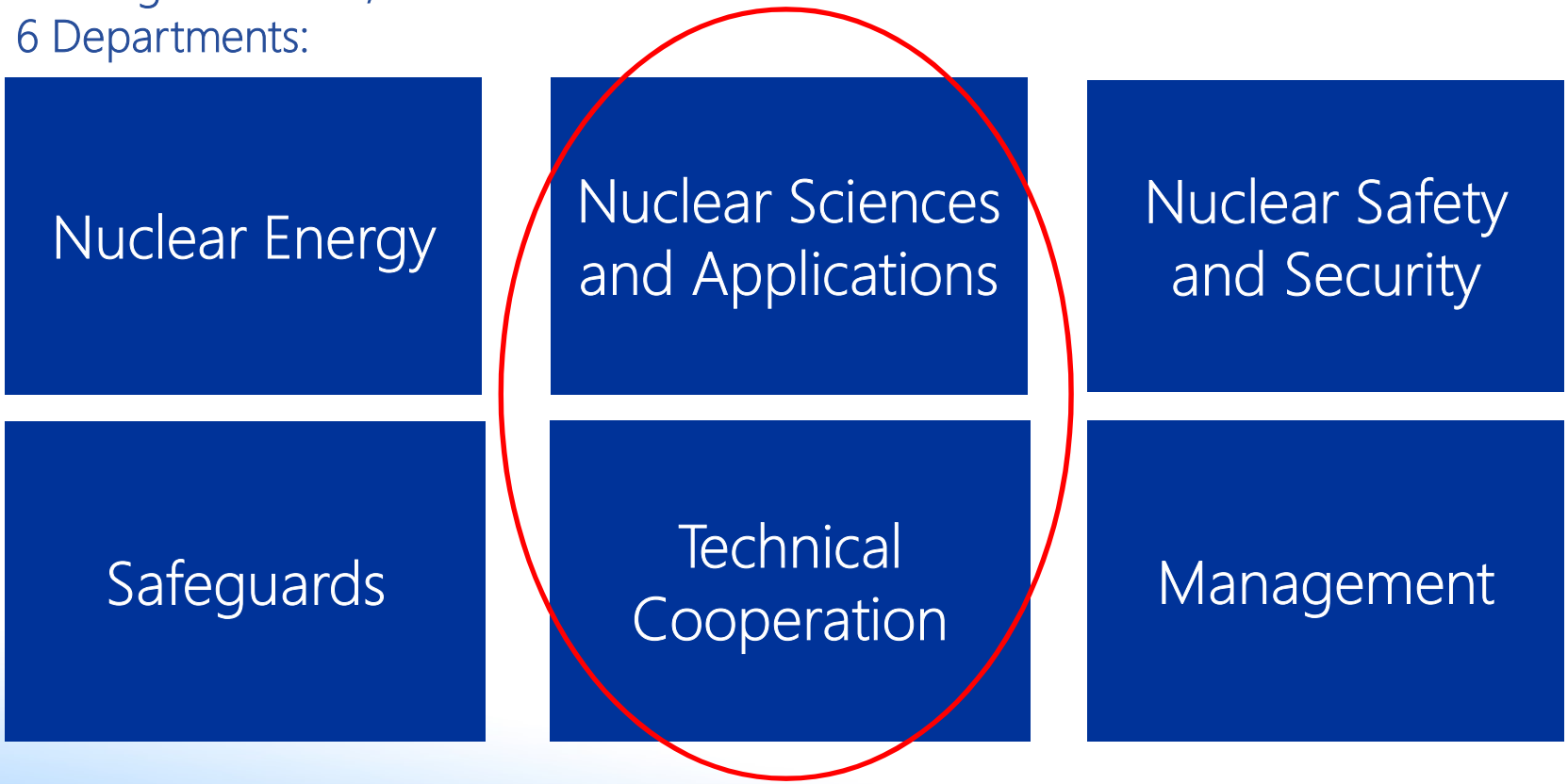
Facts and Figures

Organization

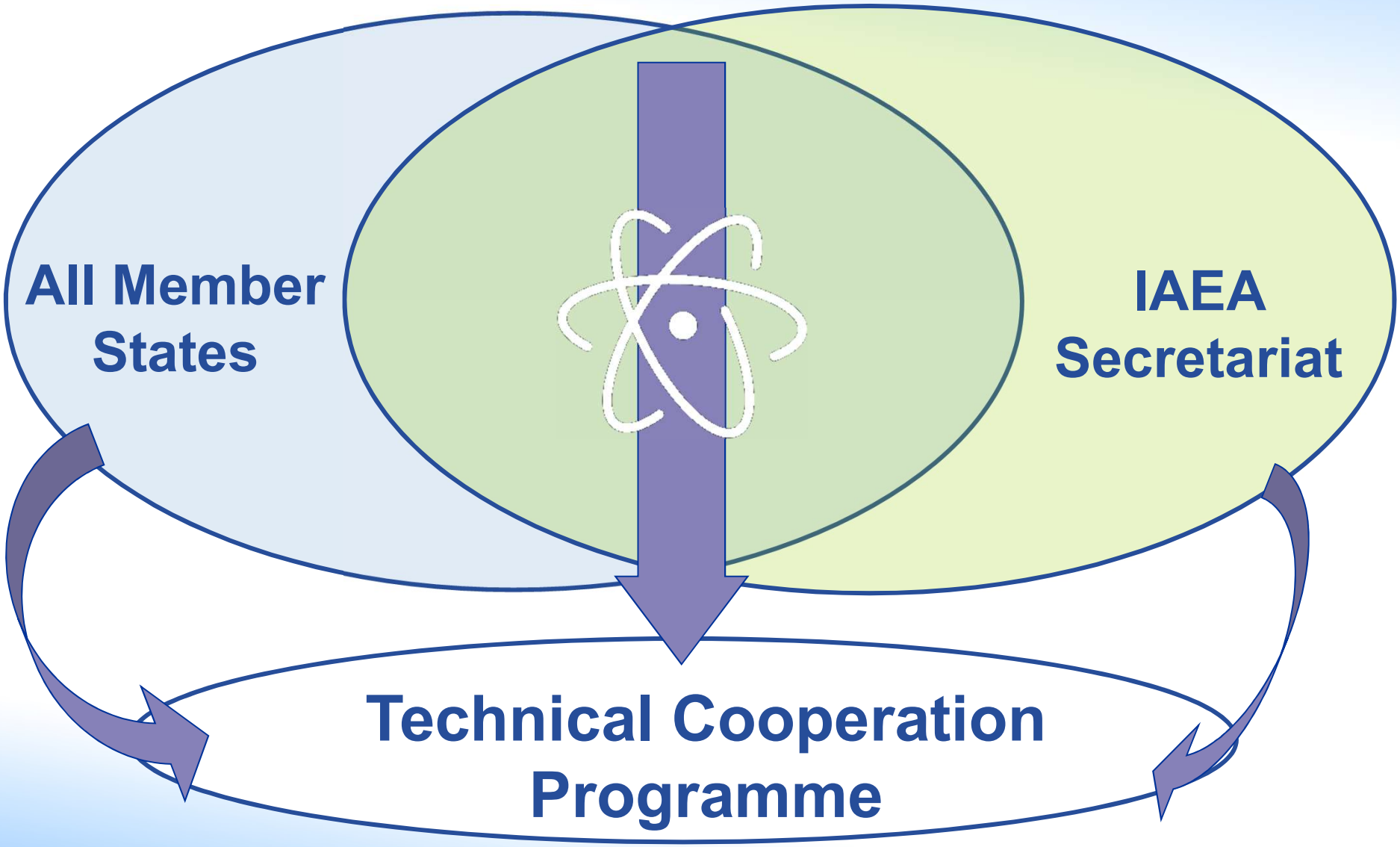
- Director General
- Director General's Office for Coordination
- Secretariat of the Policy-Making Organs
- Offices of Legal Affairs; Public Information and Communication; and Internal Oversight Services, and
- 6 Departments:



The Technical Cooperation Programme

- Main mechanism for IAEA to deliver services directly to its Member States
- Support Member States to build capacities in safe and peaceful use of nuclear technology for sustainable socioeconomic development

Technical Cooperation: A shared responsibility



What services does the TC Programme provide?

Training fellowships & scientific visits

Equipment & materials

Training courses & workshops

Capacity building
Networking
Knowledge sharing
Partnership building

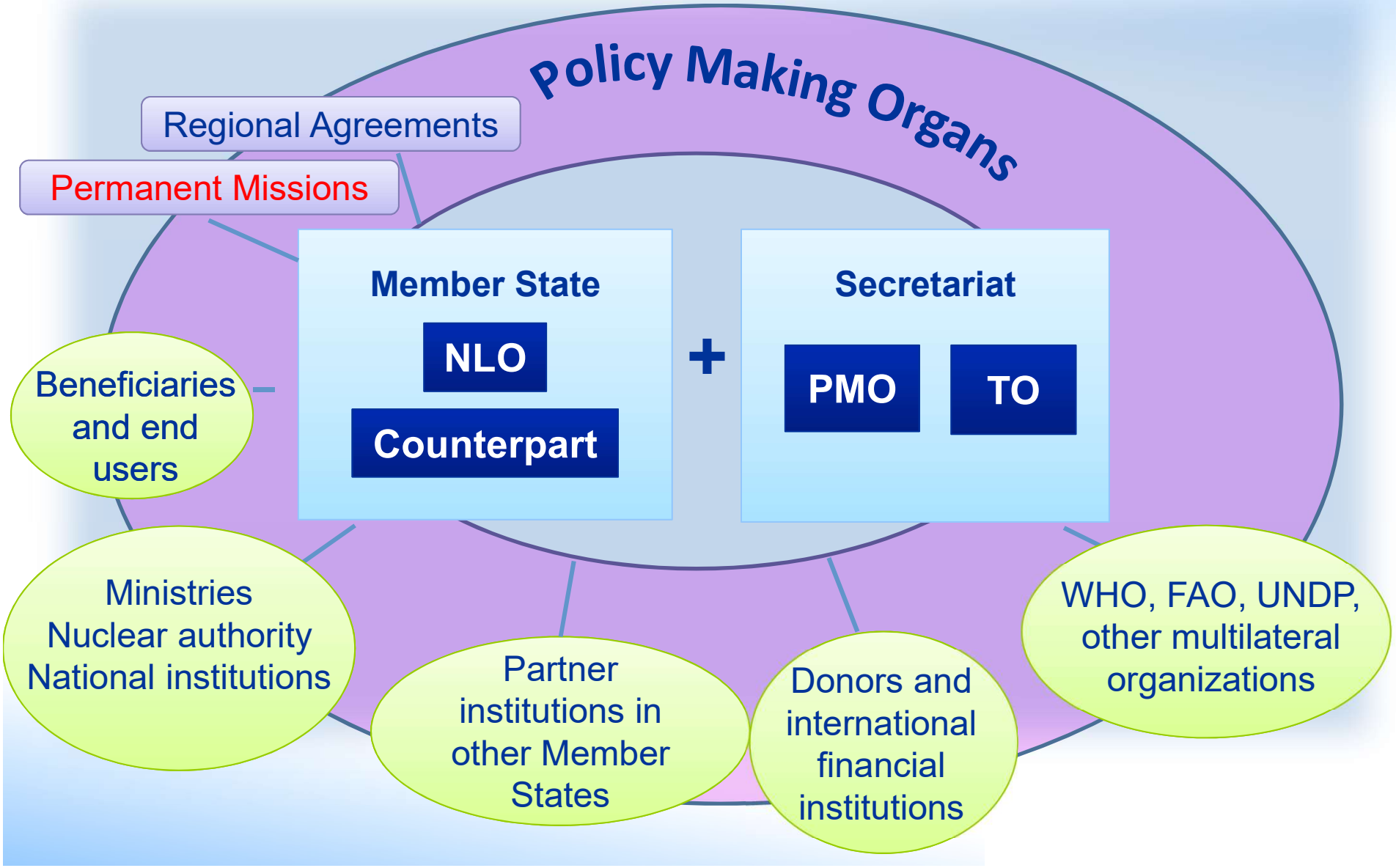
TC Programme aims to support sustainable socioeconomic development in Member States

Technical Cooperation (TC) Projects

Expert assistance

Conferences, symposia & seminars

TC Programme Stakeholders



TC programme topic areas

Water & Environment



Food & Agriculture


Energy

Radiation Technology

Safety

Health & Nutrition

Knowledge Management


TC project types

National

Infrastructure building

Address country's specific needs

About 60-65% of the programme

Regional

Networking and experience sharing

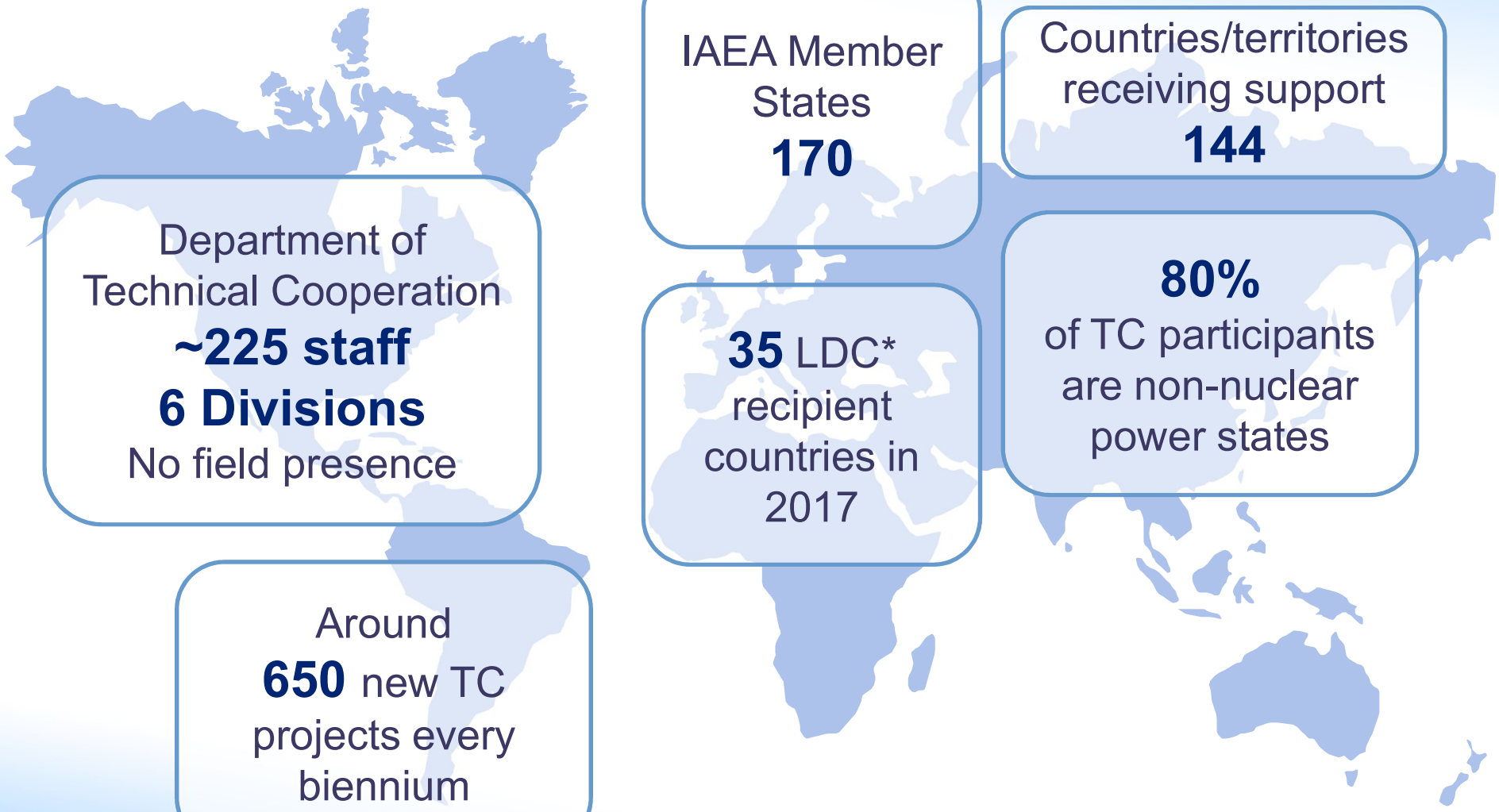
Address issues of common interest and issues of regional dimension

Interregional

Networking and experience sharing

Address issues of common interest to the four regions

IAEA membership and the TC programme



IAEA Member States
170

Countries/territories receiving support
144

Department of Technical Cooperation
~225 staff
6 Divisions
No field presence

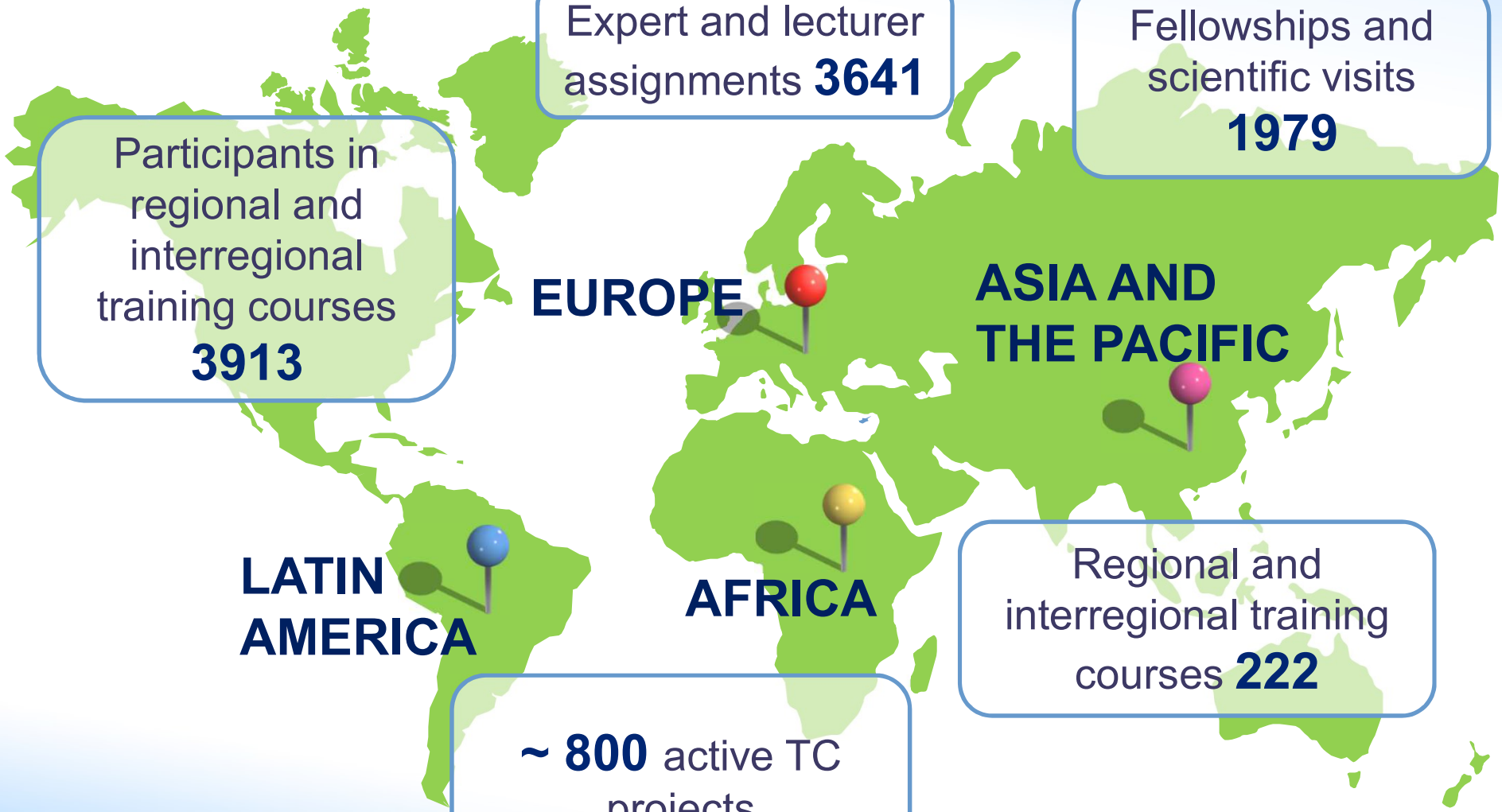
35 LDC* recipient countries in 2017

80%
of TC participants are non-nuclear power states

Around
650 new TC projects every biennium

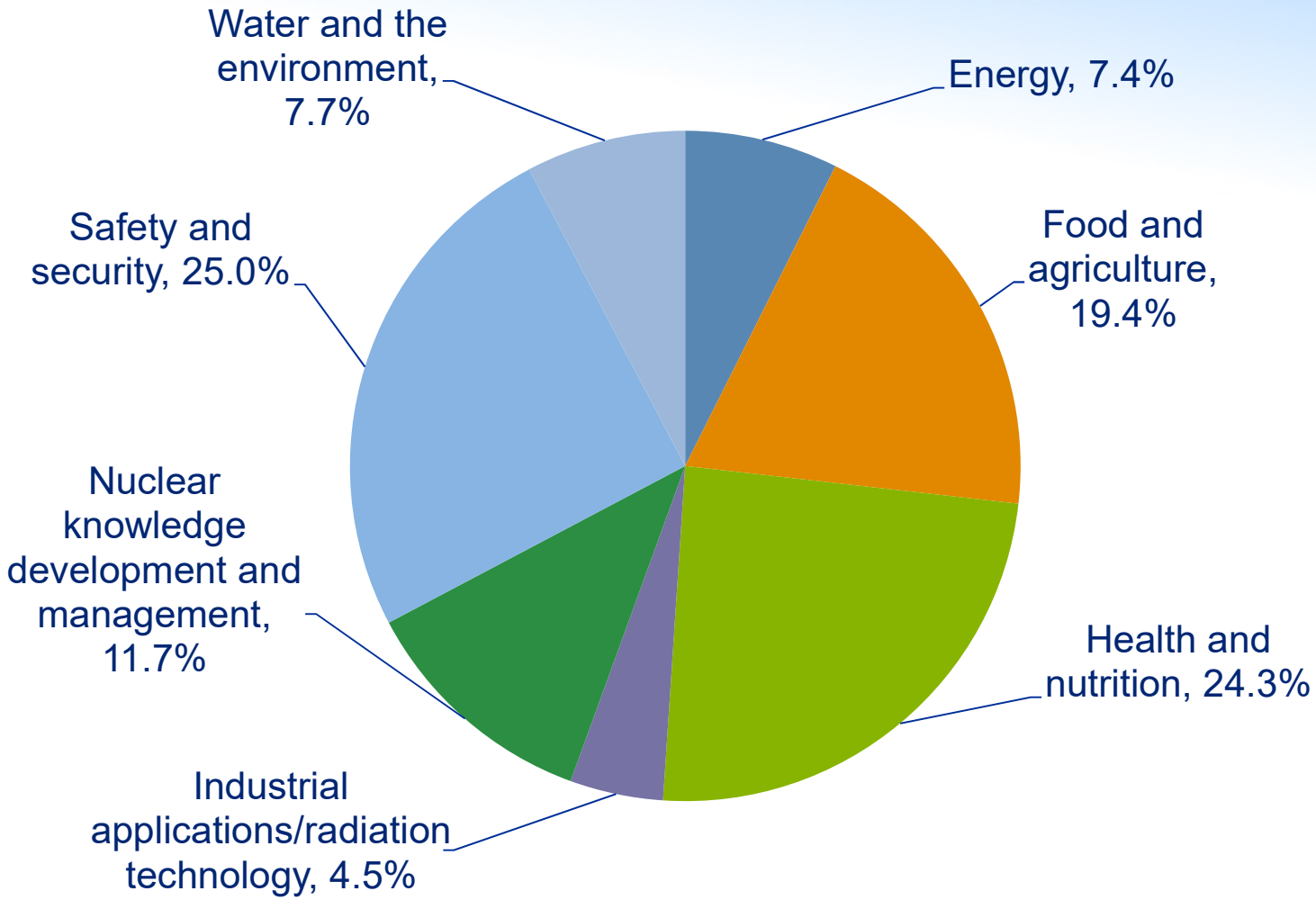
*** LDC – least developed countries**

Where do we work?



Numbers for 2017

TC Programme disbursements in 2017



RESOURCES

- About € 83 million/year from TC Fund
- About € 21.7 million (2017) from extrabudgetary contributions

TC project types

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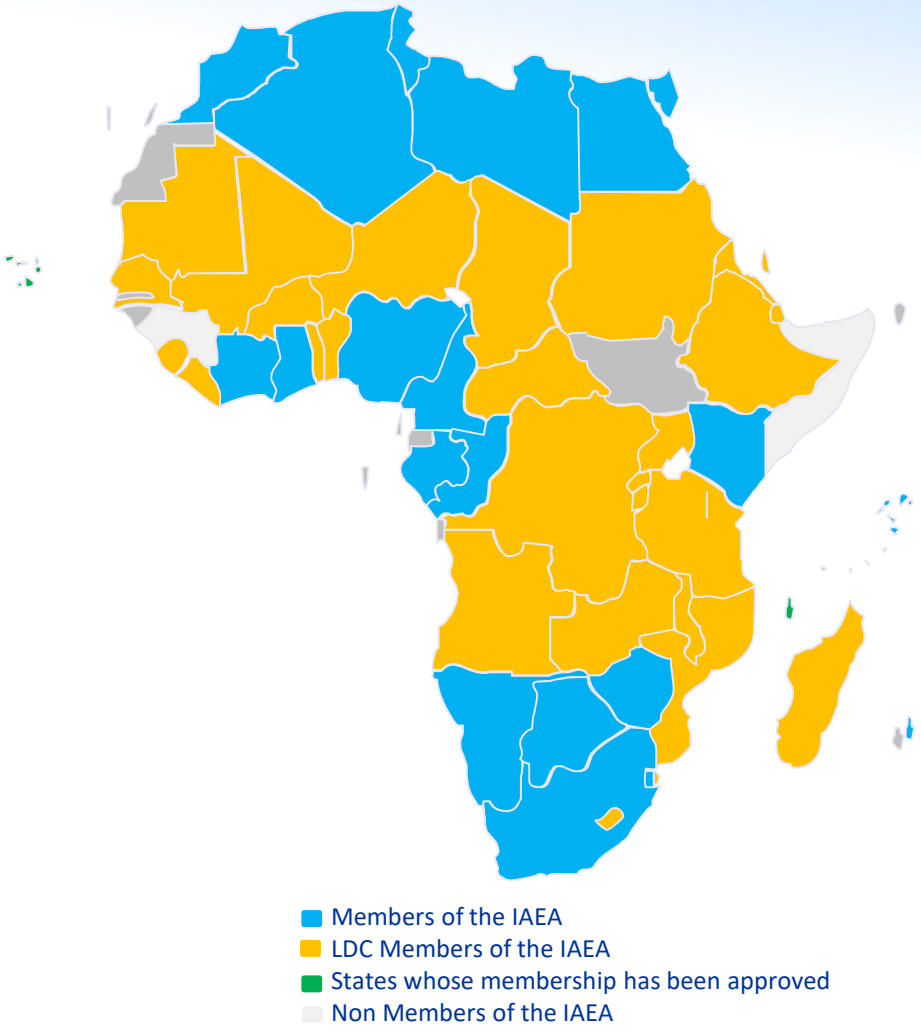
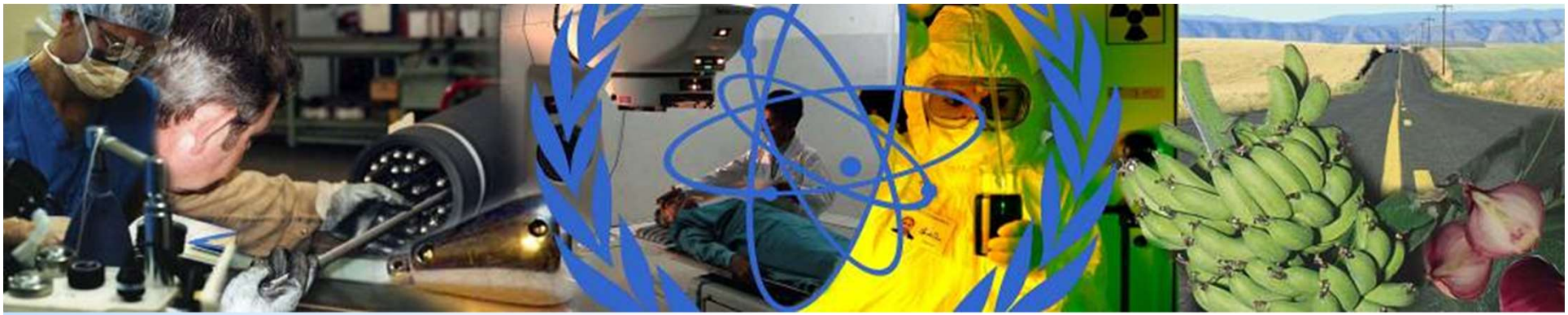
Example: TC in Africa

- 45 Members States
- 26 LDCs
- 403 active national TC projects
- 67 active regional TC projects



Africa in 2017

- 808 Expert and Lecturer recrutments
- 1,412 participants to meetings
- 671 Fellows and Scientific Visitors
- 50 Regional Training Courses
- 1,139 participants to Training Courses



FOCUS:

Regional TC projects in Africa Capacity building for Mercury Analysis

2012 - now:

- RAF7009 2012 Supporting an Integrated Approach for Marine Pollution Monitoring Using Nuclear Analytical Techniques
- RAF7015 Strengthening Regional Capacities for Marine Risk Assessment Using Nuclear and Related Techniques

Countries:

Benin, Cote d'Ivoire, Cameroon, Nigeria, Ghana, Egypt, Kenya, Algeria, Morocco, Tunisia, Mauritania, Senegal, Tanzania, Namibia, Djibouti, Mauritius, Madagascar, South Africa, Congo Brazza, Gabon.

FOCUS:

Regional TC projects in Africa Capacity building for Mercury Analysis

Contamination focus: metals (including Hg) and radionuclides.

In the last 5 years

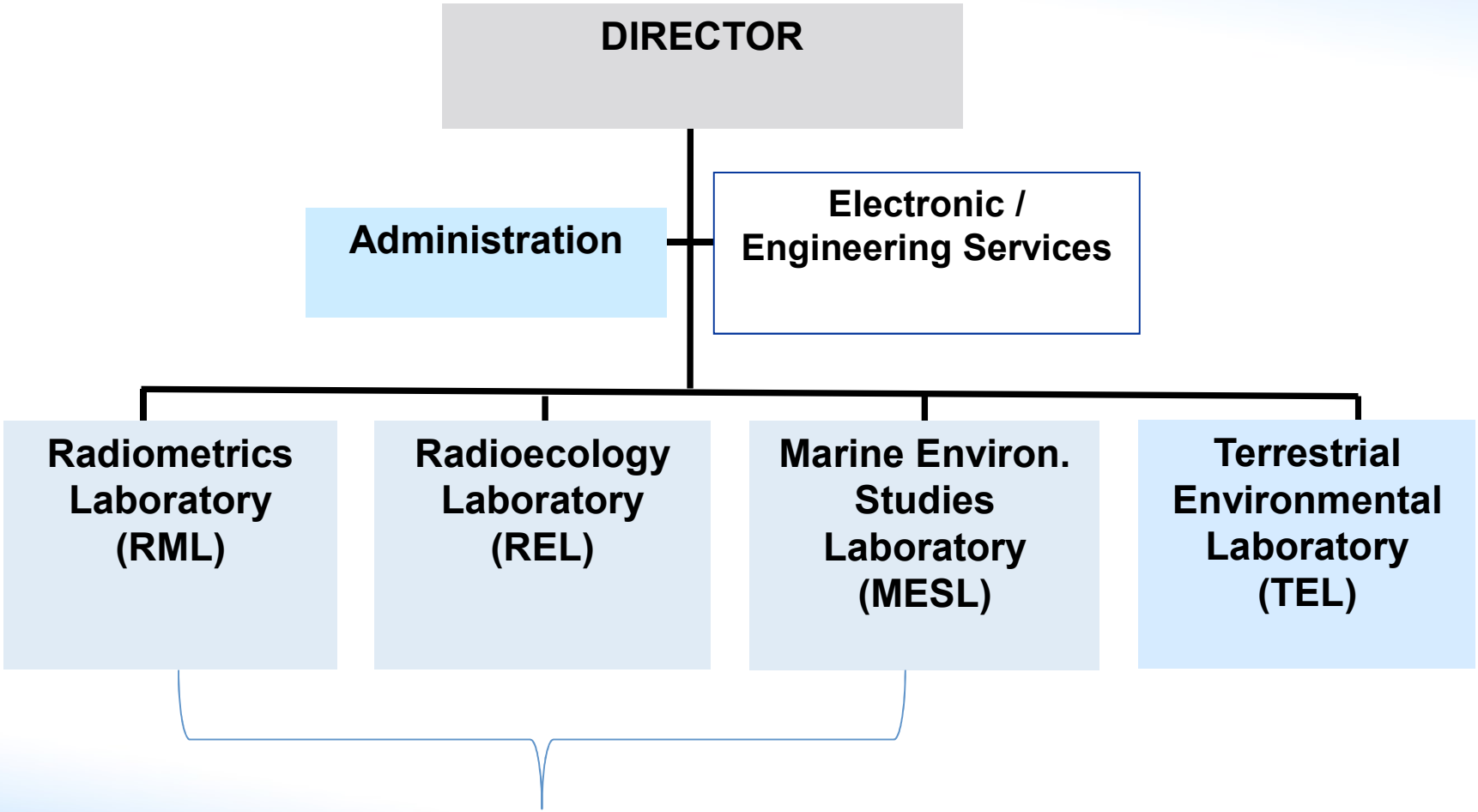
2 Regional Hg training course

18 mercury analyser purchased

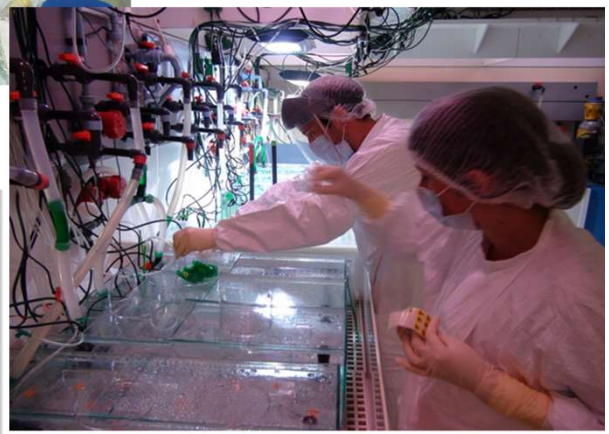
(2 more expected)

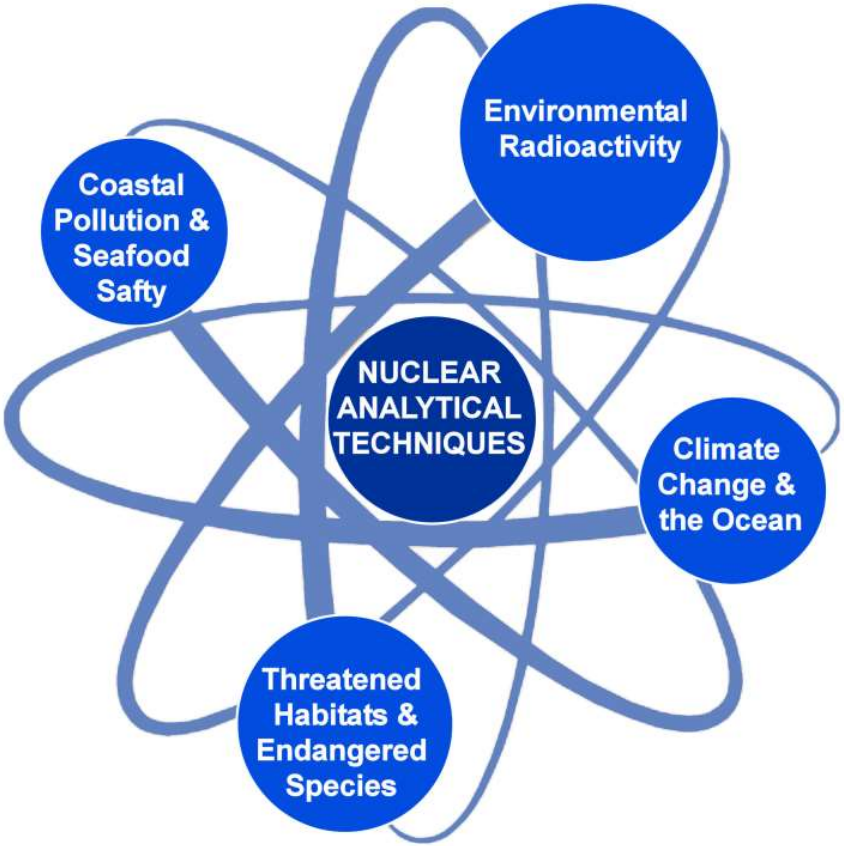
3 Fellowships

Environment Laboratories: Organizational Tree



We conduct need-based research….





e.g., through Peaceful Use Initiative (PUI) Seafood safety:

Developing tools for improved monitoring and assessment of regulated and emerging contaminants and biotoxins

PROJECT ACTIVITIES:

Nuclear analytical method development for harmful contaminants. Focus on harmful algal bloom biotoxins, **mercury and methyl-mercury,** and fluorinated and brominated persistent organic pollutants.

We produce reference materials

We conduct proficiency tests

…and we train scientists

…in our laboratories and collaboration centers worldwide

Thank you!