



**IAEA**

International Atomic Energy Agency  
*Atoms for Peace and Development*

# IAEA Technical Cooperation with Portugal

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Lisboa 22 February 2018



# TC Strategic Goal



To promote tangible socio-economic impact by contributing directly in a cost-effective manner to the achievement of major **sustainable development priorities** of each country.

# Technical Cooperation Department



- Interface between Member States and the Secretariat
- Management of TC programme in cooperation with technical departments
- Vehicle to support programme implementation and monitoring across the IAEA



# 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 facts and figures

- IAEA TC Department: ~225 staff
- 169 IAEA Member States – all, in principle, eligible for TC support
- 146 countries and territories participate in the TC programme
- 37 LDC recipient countries
- 80% of recipients are non-nuclear power countries
- ~914 active TC projects at year end 2016
- ~650 new TC projects every biennium
- No field presence

# TC programme delivery

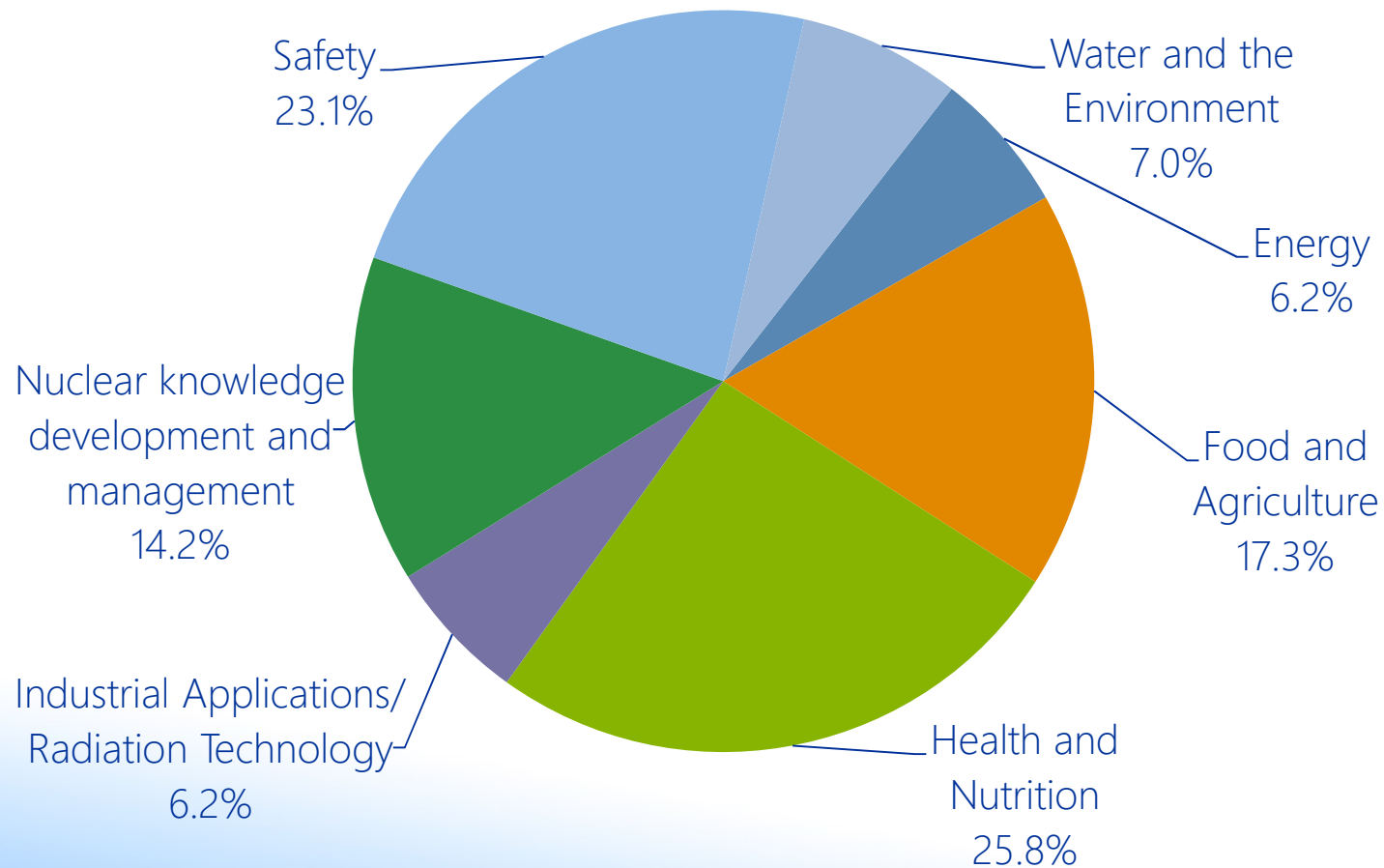


# Overall TC Programme Areas



2018-19 TC programme

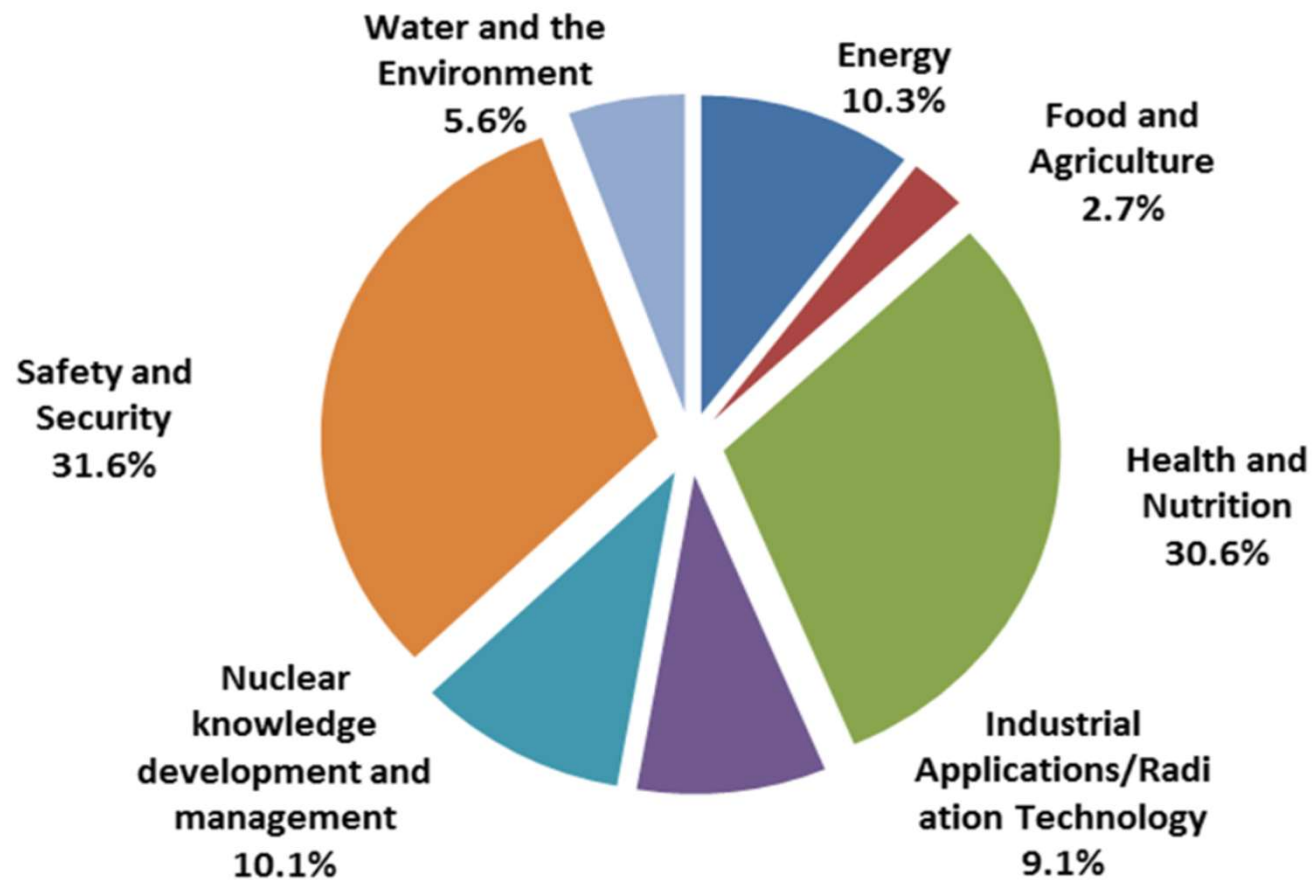
about €80 million/year from TC Fund



# 2018-19 TCEU Regional Programme

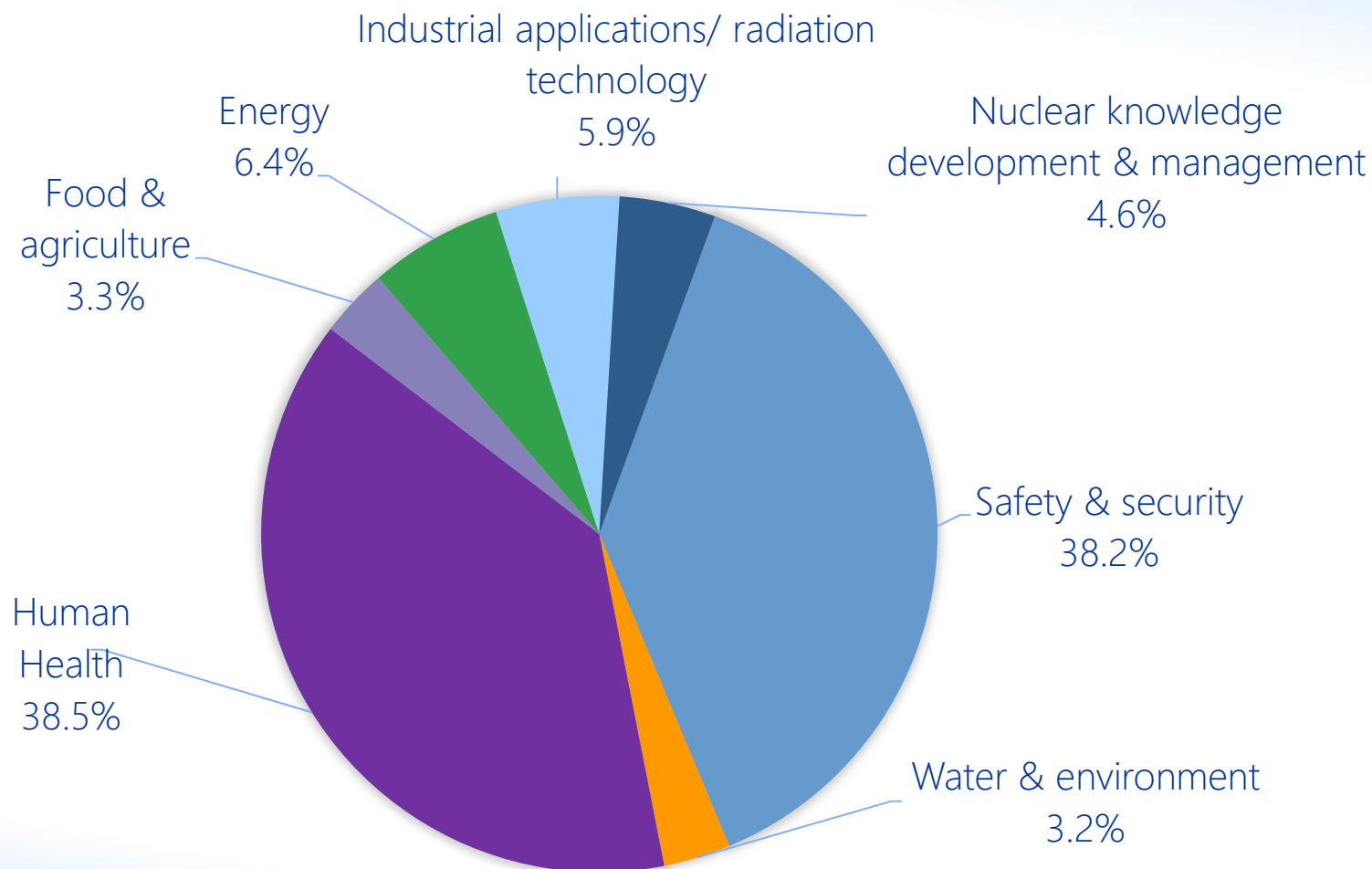


**Proposed New Core Programme for 2018–2019**





# TCEU budget for 2018-19 core programme



# TC Programme Financial Resources (1)



## Technical Cooperation Fund (TCF)

- Funded by Member States contributions on shares established by using UN assessment rates
- Target is established by the Board of Governors and finalized in a General Conference resolution.
- The recommended target for 2018 is €85.6 million and for 2019 is €86 million
  - Portugal's contribution to TC activities
    - 2018: €322,957
    - 2008-2018: €1,891,210 paid
- National Participation Costs (cash payment of NPC, 5% of the national programme 'value') also flow into TCF


# TC Programme Financial Resources (2)




## Extrabudgetary (EBT)

- Contributors are Member States, other international organizations and NGOs
- Funding for activities where the donor is the recipient are commonly referred to as GCS (Government Cost Sharing)
- EBT Subject to Project Support Costs (PSC):
- 7% for EBT
- Special handling for what is referred to as GCS (3% equipment and 0% HR activities)

# Technical cooperation programme: Areas of activity

 **Health & Nutrition**



 **Food & Agriculture**



 **Water & Environment**



**Radiation Technology**



**Energy**



**Safety and Security**



**Knowledge Management**

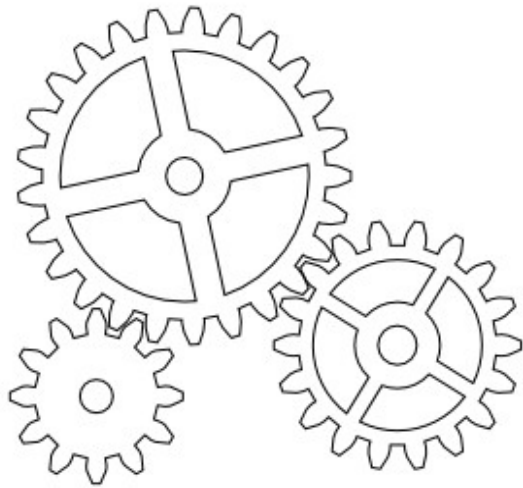


# Addressing Member State priorities



Scale 1:134,000,000  
Robinson Projection  
standard parallels 38° N and 38° S

# Identifying Member States' needs (1)



- Shared responsibility principle
- Agency staff must be aware of country's priorities
- Member States should be aware of Agency programmes
- Clarity on the role of nuclear science and technology in development
- Long term impact

# Identifying Member States' needs (2)

- **Fact Finding Missions**
  - Especially important for new Member States
- **Country Programme Framework (CPF)**
  - A descriptive planning process that identifies country needs and priorities
- **Other important planning input**
  - Identified national priorities
  - National development plans
  - UNDAFs
  - Regional priorities
  - SDGs

# Country Programme Framework (CPF)



- Defines mutually agreed priority development needs and interests that can be supported through TC activities
- Reflects national development plans, country specific analyses and lessons learned from past cooperation
- Ensures that the application of nuclear technologies is integrated with existing development initiatives and plans, and supports the identification of areas where such technologies might be usefully deployed.





# Portugal: CPF for 2013-2018

National Development priorities and activities relevant to the TC programme

1. Governmental and regulatory frameworks for safety, security and legal framework
2. Radiation protection
3. Human health
4. Environment
5. Food and agriculture
6. Research reactor
7. National strategy for nuclear energy and multidisciplinary research and clinical cyclotron
8. Gamma irradiation facility
9. Cultural heritage
10. Isotope hydrology
11. Material science
12. Education and training
13. Nuclear security
14. INIS
15. Outreach (Promotion of Science and Technology)

# IAEA TC Projects in Portugal



1976-2018

61 national and  
110 regional and  
interregional projects

2018-2019

1 national project and 22  
regional projects

Supporting Multidisciplinary  
Research and Clinical  
Cyclotron Facility (POR/6/005)

- To improve health care in Portugal through the installation of a multidisciplinary cyclotron and production facility of radiopharmaceuticals for diagnosis and therapy
- 2015 – 2018

# CRPs

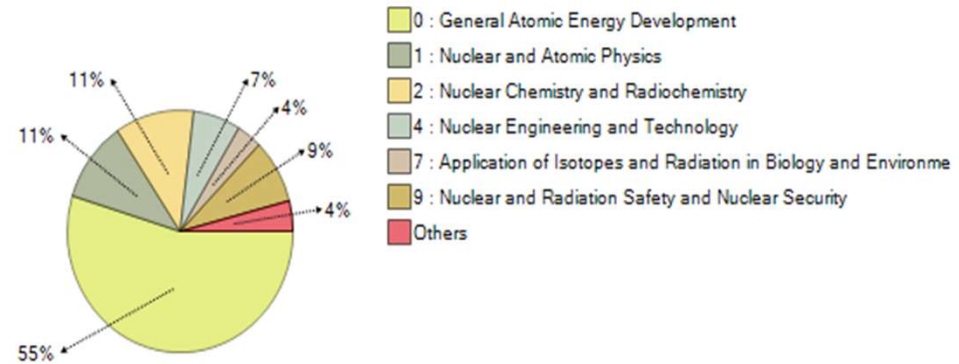
Portugal currently has seven active research contracts and two active research agreements in the following areas:

- Food and Agriculture
- Physical and Chemical Sciences
- Environment
- Nuclear Fuel Cycle and Waste Technology

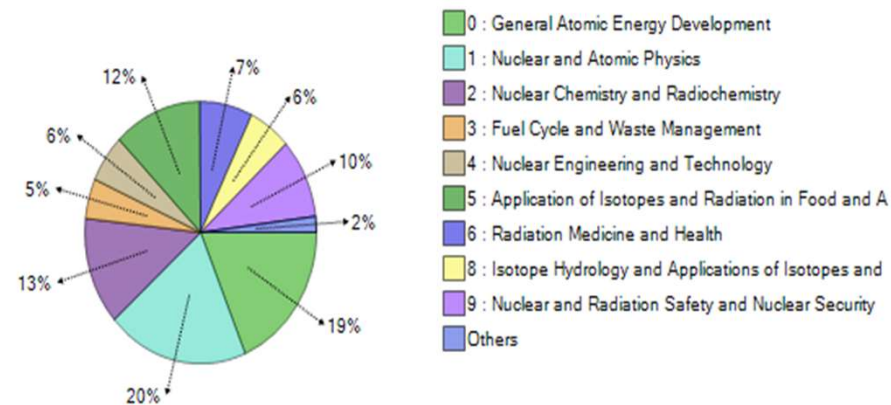
# Experts in Portugal 2008-2018



- 221 Experts where duty country is Portugal



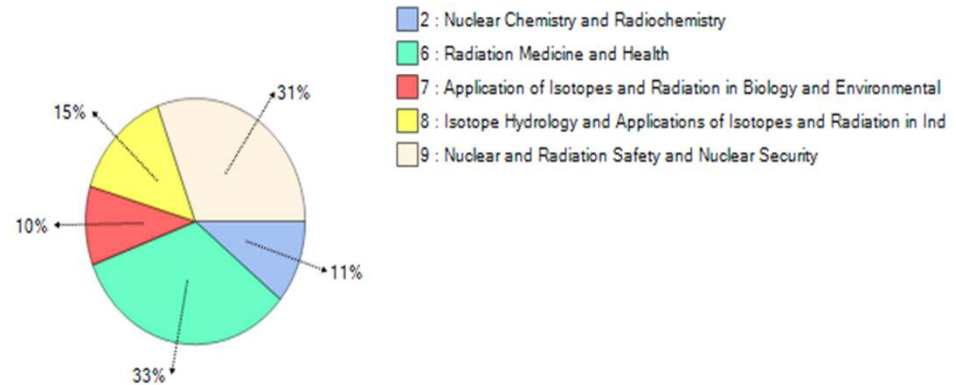
- 203 Experts with nationality: Portugal



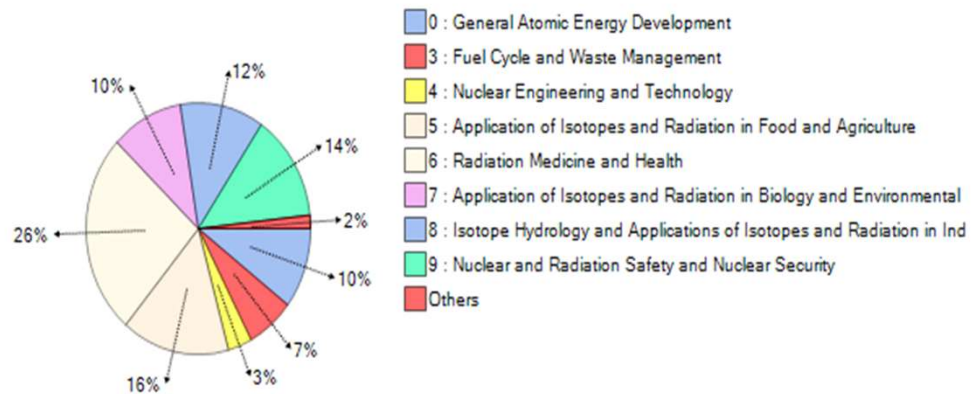
# Lecturers/Participants in Portugal 2008-2018



- 183 Lecturers/Participants where host country is Portugal



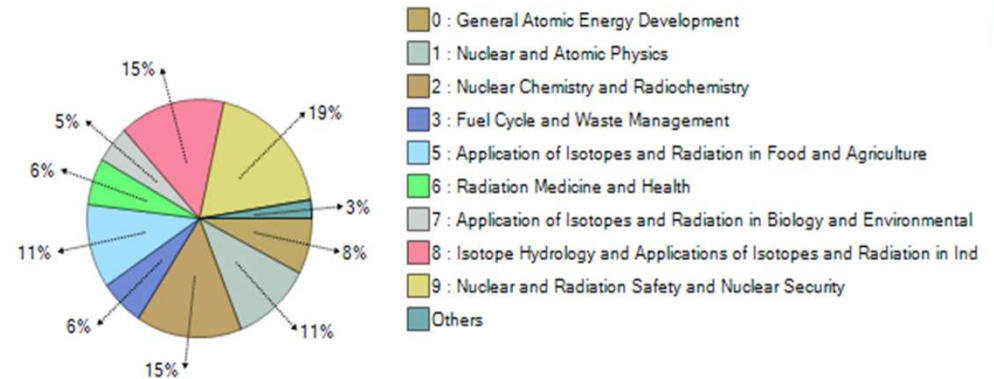
- 53 Lecturers/Participants with nationality: Portugal



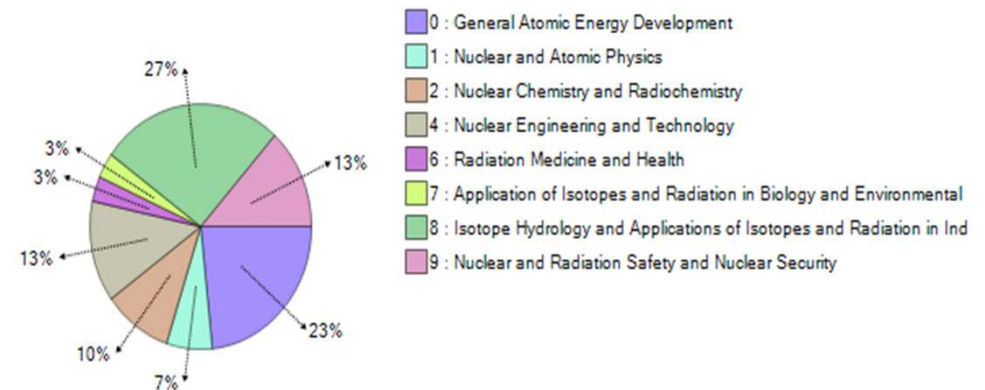
# Fellows and Scientific visitors 2008-2018



- 73 Fellows/Scientific visitors where host country is Portugal



- 30 Fellows/Scientific visitors with nationality: Portugal



# Timeframe for the Preparation of the 2020-2021 TC programme (1)



Phase	Activity/Milestone	Responsibility	Deadline
Concept/ Programme Note Phase	<ul style="list-style-type: none"><li>• Issuance of Guidelines (Note verbal)</li></ul>	Secretariat	12 Feb. 2018
	<ul style="list-style-type: none"><li>• Submission of Country Programme Note (CPN) via PCMF IT platform</li></ul>	Member State	30 Apr. 2018
	<ul style="list-style-type: none"><li>• Submission of Regional and Interregional Programme Note (RPN/IPN) via PCMF IT platform</li></ul>	MS/Secretariat	31 May 2018

# Timeframe for the Preparation of the 2020-2021 TC programme (2)



Phase	Activity/Milestone	Responsibility	Deadline
Design Phase	<ul style="list-style-type: none"> <li>Engagement with MS through TC programme services</li> </ul>	MS/Secretariat	Continuous
	<ul style="list-style-type: none"> <li>Submission (via PCMF) of               <ul style="list-style-type: none"> <li>- draft national project designs</li> <li>- draft regional project design</li> <li>- draft Interregional project design</li> </ul> </li> </ul>	MS	31 Aug. 2018
		MS/Secretariat	14 Sept. 2018
		Secretariat	28 Sept. 2018
	<ul style="list-style-type: none"> <li>Submission of Feedback to MS</li> <li>All Projects designs finalized and Submitted via PCMF</li> </ul>	Secretariat	14 Dec. 2018
	MS	17 May 2019	



# Timeframe for the Preparation of the 2020-2021 TC programme (3)



Phase	Activity/milestone	Responsibility	Deadline
Approval Phase	• Clearance of proposed TC programme	Secretariat	31 July 2019
	• Review of TC programme by the Technical assistance and Cooperation Committee	MS	Nov. 2019
	• Approval of TC programme by the Board of Governors	MS	Nov. 2019



Technical  
Cooperation  
Programme

*Technical cooperation:  
delivering results for  
peace and  
development*

