

# CONCERT INFO DAY

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Portuguese EURATOM NCP

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**FCT** Fundação para a Ciência e a Tecnologia  
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

## NCP- National Contact Points for HORIZON 2020



# NUCLEU 2020

## PRO-ACTIVE NETWORK OF EURATOM NCP

- Facilitate trans-national co-operation between National Contact Points (NCPs) on Nuclear Fission and Radiation Protection
- Identifying and sharing good practices
- Raising the general standard of support to programme applicants
- Promoting and facilitating participation in Horizon 2020 EURATOM Programme

**CONSORTIA:** APRE (Italy, coordinator); IPPT (Poland); EKT/NHRF (Greece); ETAg (Estonia); FCT (Portugal); TC AS CR (Czech Republic); CVTI SR (Slovakia); GFMO (Bosnia and Herzegovina)

## Excellent Science (24.4 B €)

European Research  
Council  
(13.1 B €)

Future and Emerging  
Technologies  
( 2.7 B €)

Marie Skłodowska-Curie  
Actions  
( 6.1 B €)

Research Infrastructures  
( 2.5 B €)

## Industrial Leadership (17 B €)

LEIT = Leadership in  
enabling and industrial  
technologies

- ICT
- Nano, new materials
- Biotechnology
- Space

( 13.5 B €)

Access to Risk Finance  
( 2.9 B €)

Innovation in SMEs  
( 0.6 B €)

## Societal Challenges (29.7 B €)

Health  
(7.5 B €)

Food  
(3.9 B €)

Energy  
(6 B €)

Transport  
(6.3 B €)

Climate  
(3 B €)

Inclusive Societies  
(1.3 B €)

Security  
(1.7 B €)

Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

# EURATOM WORK PROGRAM 2016 – 2017

Budget available – 105 Million Euros

Calls will open 11 May 2016 and will close 5 October 2016

Six Sections:

A. Support safe operation of nuclear systems

B. Contribute to the development of solutions for the management of radioactive waste

**C. Foster radiation protection**

D. Management of research reactor availability in Europe

E. Support the development of nuclear competences at EU level

F. Fission/fusion cross-cutting actions

Topic Reference	Title of Topic	Type of Project	Budget MEuros
<b>Support Safe Operation of Nuclear Systems</b>			<b>55.45</b>
NFRP 1	<a href="#">Continually improving safety and reliability of Generation II and III reactors</a>	RIA	2-5
NFRP 2	<a href="#">Research on safety of fast neutron Generation – IV reactors</a>	RIA	2-5
NFRP 3	<a href="#">Investigating the safety of closed nuclear fuel cycle options and fuel developments</a>	RIA	2-5
NFRP 4	<a href="#">Research on the safety of small modular reactors</a>	RIA	2-5
NFRP 5	<a href="#">Materials research for Generation IV reactors</a>	RIA	2-5
<b>Contribute to the Development of Solutions for the Management of Radioactive Waste</b>			<b>18.89</b>
NFRP 6	<a href="#">Addressing key priority R&amp;I issues for the first-of-the-kind geological repositories</a>	RIA	2-4
NFRP 7	<a href="#">Research and innovation on the overall management of radioactive other than geological disposal</a>	RIA	2-4
NFRP 8	<a href="#">Pan-European knowledge sharing and development of competence in radioactive waste management</a>	CSA	1-2
<b>Foster Radiation Protection</b>			<b>9.00</b>
NFRP 9	<a href="#">Impacts of low dose radiation exposure</a>	RIA	8-10
<b>Management of research reactor availability in Europe</b>			<b>7.70</b>
NFRP 10	<a href="#">Support for the optimised use of European research reactors</a>	CSA	0,5-1
NFRP 11	<a href="#">Support for the EU security of supply of nuclear fuel for research reactors</a>	RIA	4-6
<b>Support the development of nuclear competences at EU level</b>			<b>6.00</b>
NFRP 12	<a href="#">Support for careers in the nuclear field</a>	CSA	2-3
<b>Fission/fusion cross-cutting actions</b>			<b>8.00</b>
NFRP 13	<a href="#">Fission/fusion cross-cutting research in the area of multi-scale materials modelling</a>	RIA	2-3
NFRP 14	<a href="#">Cross-cutting support to improved knowledge on tritium management in fission and fusion facilities</a>	RIA	3-5

## Types of Actions:

- **Research and Innovation (RIA)** – basic and applied research; generation of new knowledge or evaluation of the viability of new technologies (100%)
- **Coordination and Support (CSA)** - C&S networks; conception studies measures for standardization, dissemination, coordination, communication, support and dialogue (100%)

## **C - FOSTER RADIATION PROTECTION**

Will take into account the existing networks and

platforms:

**MELODI, ALLIANCE, EURADOS, NERIS, EAMN, EFOMP,**

**EFRS, ESR, ESTRO, CONCERT**



## **NFRP 9: Impacts of low dose radiation exposure (RIA)**

build on the Memoranda of Understanding between MELODI and a number of relevant European medical associations and should involve contributions from public health and/or healthcare organisations

### **General Objectives:**

- better understanding of the effects of low-dose ionising radiation on human health
- reinforced cooperation between the medical and nuclear sectors in this area
- improve the science base for recommendations to decision-makers and practitioners in the respective sectors, including for optimisation of radiation protection in medical imaging

**EC contribution:** 8-10 M€; up to one project to be financed

# FP7 Projects on Radiation Protection

ALLEGRO

CEREBRAD

NERIS-TP  
PROCARDIO

DETECT

DoReMi

RENEB

TENEB

EPI-CT

SOLO

ANDANTE

EpiRadBio

STAR

[https://ec.europa.eu/research/energy/euratom/publications/pdf/euratom\\_fp7\\_research  
&\\_training\\_projects\\_volume\\_3.pdf](https://ec.europa.eu/research/energy/euratom/publications/pdf/euratom_fp7_research&_training_projects_volume_3.pdf)

## **PARTNER SEARCH TOOL**

NUCLEU 2020 IS ASSOCIATED WITH ANOTHER NCP NETWORK ON ENERGY:

**C-ENERGY 2020**

<http://www.partnersearch.c-energy2020.eu/>

THERE IS A **PARTNER SEARCH TOOL**, FOR ENERGY AND EURATOM CLIENTS

YOU NEED TO CONTACT THE NCP FROM YOUR COUNTRY AND THEY WILL VALIDATE YOUR REGISTRATION

## ***ON THIS WEBSITE YOU MIGHT REGISTER AS:***

***Partner Offer*** - Researchers who offer their research expertise and who would like to collaborate in possible project consortia

OR

- ***Partner Search*** - Researchers or consortia with a definite idea for a project who are looking for other partners to complement the expertise scope of the consortium

# THANKS FOR YOUR ATTENTION

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