

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