



HORIZON 2020

EURATOM 2017 : Foster radiation protection NFRP 9 : Impacts of low dose radiation exposure

Kateřina PTÁČKOVÁ & André JOUVE
Unit G4 Fission Energy
DG Research and Innovation
European Commission

**Webinar on Opportunities for
Health projects under
EURATOM programme and
other related initiatives**

12 July 2016

Research and
Innovation

Outline

❖ EURATOM WP 2016-2017

❖ Radiation Protection - NFRP9

WP 2016-2017 - Context

- Council Regulation on the research and training programme of the European Atomic Energy Community (2014-18) complementing Horizon 2020
- WP 2014-2015 – projects selected and launched
- WP 2016-2017, 1 call – ongoing
- WP 2018, 1 call – planned
- + preparing the future: prolongation of Euratom FP by 2 years (2019-2020)

WP 2016-2017 - Timing

Adoption by the EC: 13/10/2015

Publication: 14/10/2015

**Opening for submission:
11/05/2016**

**Deadline for submitting the
proposals: 05/10/2016**

General objectives of the WP

- (i) reinforces outcomes under the three priorities of Horizon 2020 (excellent science, industrial leadership, and societal challenges), and
- (ii) supports the development of the Energy Union

Key feature: enhancing safety in all fission applications + more emphasis on long-term security of energy supply at EU level

Main areas of activity

- 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
- + Other actions (InnovFin, INCO)

Indicative budget fission call (mil. EUR)

	2016	2017
NFRP 1-5	47,74	7,71
NFRP 10-11		7,70
NFRP 12		6,00
NFRP 13-14		8,00
NFRP 6-8	10,00	8,89
NFRP 9		9,00
Overall indicative budget	57,74	47,30

Research & innovation action (RIA)

Description: Action primarily consisting of activities aiming to establish **new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution**. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment.

Projects may contain closely connected but limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment.

Funding rate: 100%

Eligibility for participation: At least **three legal entities**. Each of the three must be established in a different EU Member State or Euratom Programme associated country. All three legal entities must be independent of each other.

Other conditions

In the **General Annexes** to the WP you will find:

- List of countries eligible for funding (note: Switzerland is the only country associated to Euratom, valid till 31/12/2016)
- Admissibility and eligibility conditions
- Types of action: specific provisions and funding rates
- Evaluation criteria, scoring and threshold + procedure for setting a priority order for proposals with the same score
- Etc.

Indicative timetable & consortium agreement

After the final date for submission:

- Info on the outcome of evaluation – max 5M
- Signature of GA – max 8M

Consortium agreement is **required**, in principle prior to the signature of the GA

NFRP 9 : Impacts of low dose radiation exposure

Background

The action takes into account the European collaborative research activities already supported notably by Euratom

CONCERT: European Joint Programme (EJP)

The priorities of the Strategic Research and Innovation Agendas (SRIA) of MELODI and partner associations.

Integration

MELODI - Multidisciplinary European Low Dose Initiative

ALLIANCE – European Radioecology Alliance

EURADOS – European Radiation Dosimetry Group

NERIS - European Platform on preparedness for nuclear and radiological emergency response and recovery

DIALOGUE

**EANM – European Associations of Nuclear
Medicine**

**EFOMP – European Federation of
Organisations in Medical Physics**

**EFRS – European Federation of
Radiographer Societies**

ESR – European Society of Radiology,

**ESTRO – European SocieTy for
Radiotherapy and Oncology**

NFRP 9: Impacts of low-dose radiation

The Commission considers that proposals requesting a contribution from Euratom of between EUR 8 and 10 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Challenge

better understanding
reduced uncertainty
medical and other practices
including naturally occurring radioactive
materials
science-based recommendations
fine-tuning of the necessary precautionary
measures
reinforced cooperation mutually beneficial

Scope (1)

high quality data collected during the medical use of ionising radiation

understanding of radiation effects and underlying mechanisms

radiation molecular epidemiology studies

radiotherapy and radiology

networked and structured repository for patient dosimetry, imaging meta-data and bio-banking, the latter being integrated with health databases

Scope (2)

Memoranda of Understanding between MELODI and a number of relevant European medical associations and should involve contributions from public health and/or healthcare organisations & will be considered during evaluation

The results should therefore be presented and discussed with relevant stakeholder

International cooperation is encouraged

Expected impact

interaction between the radiation protection and medical scientific communities

cross-fertilisation of research efforts

robust science-based policy

translate into additional or improved practical measures in view of the effective protection of people

not unduly penalising activities



HORIZON 2020

Find out more:

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>