



EURATOM PROGRAMME

-

STATUS



**DG Research and
Innovation**
Unit G4 – Fission Energy
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Project Officer

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HORIZON 2020

EJP proposal:

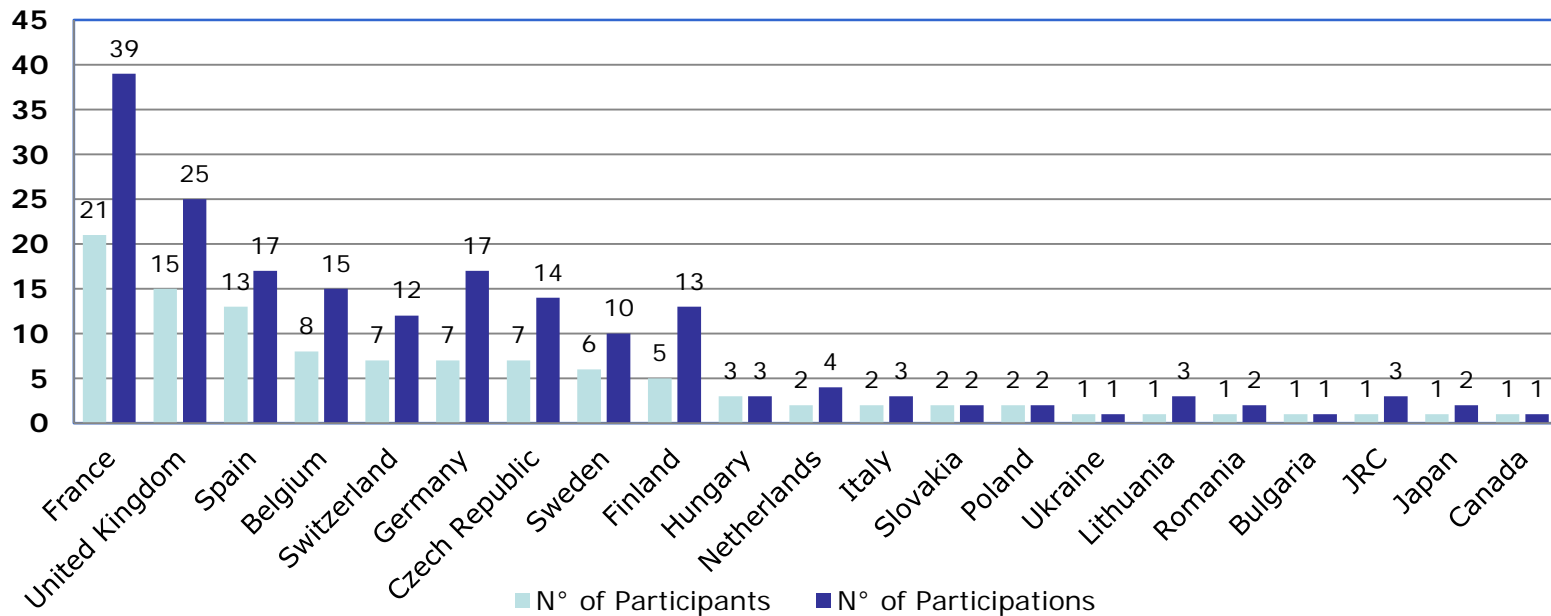
- ✓ Well received, found eligible, being evaluated
- ✓ Info to the consortium early February 2019
- ✓ Eventual Grant to be signed before 27 May 2019
- ✓ EC target to launch the EJP at Euradwaste '19

Observations:

- Participation from "small countries/ programmes" much enlarged compared to previous projects,
- Needs of these countries start to be addressed
- High expectations from Knowledge Management : concretisation and actual outputs key to EC regular oversight,
- The tasks and roles of the different management bodies as well as and the interactions and procedures need to be clearly set-out



H2020 Fission - N° of participants and participations in nuclear waste



WP
2014-15
2016-17

WP 2018 (EJP)

Country	FR	UK	ES	BE	CH	DE	CZ	SE	FI	HU	NL	IT	SK	PL	UA	LT	RO	BG	SI	DK	EL	PT	AT	CY
Mandated	4	2	2	4	2	4	3	1	3	3	3	-	3	1	3	3	1	1	2	1	2	2	1	1
Linked 3 rd party	14	0	7	2	5	10	5 (+2)	1	5	1	1	-	0	0	2	0	0	0	2	0	1	0	0	0
total	18	2	9	6	7	14	8	2	8	4	4		3	1	5	3	1	1	4	1	3	2	1	1
Increased					=													=	=					
Decreased																								

Euratom Research & Training Programme (2014 - 2018)



European Commission

WP 2014 / 2015			WP 2016 / 2017			WP 2018			Extension WP 2019 / 2020		
On-going projects			New Projects Started in June 2017			On-going call			Call planned in 2019		
IGD-TP priorities			IGD-TP priorities (GD & HLW/SF)			European Joint Programme			Continue RD&D support in Pre-disposal (Treatment & Conditioning)		
CEBAMA - Cement / rock & bentonite interactions Modern2020 - Repository monitoring strategy & tech MIND - Microbiology in repositories			DISCO - Modern SF disso. & charact. Beacon - Bentonite Mech. Evolution			Deadline 27/09/2018					
TSO support			RWM & other wastes (unconventional, legacy & decom.ning)			Integrated Scope for RWM					
SITEX II - Structure TSO community for safety case reviews			CHANCE - Charact. of conditioned waste THERAMIN - Thermal treatment for waste mini. INSIDER - Charact. for waste mini. in Decom. & Dism			. Geological Disposal & HLW/SF . Pre-disposal & other wastes . Strategic studies . Knowledge Management Guidance on R&D, State of the Art & Training & Mobility in R&D					
Preparatory phase for Joint Programme			E&T + Socio-economic aspects			EJP start mid-2019					
JOPRAD - Prepare for European Joint Programme			MEET-CINCH - Radiochemistry teaching ENENplus - Post academic educ. & mobility scheme								
E&T + Socio-economic aspects											
ANNETTE - Euro Master & vocational E&T Prog. in Nuc. Science & Technology HoNEST - History of factors influencing successes and failures of nuc. energy developments											
BUDGET total cost €M 22,6 EU contribution €M 16,3			BUDGET total cost €M 21,1 EU contribution €M 19,2			BUDGET total cost €M 59,1 EU contri. €M 32,5					
BUDGET total cost €M 6,23 EU contribution €M 5,56			BUDGET total cost €M 5,43 EU contribution €M 5,10								



COUNCIL REGULATION (Euratom) 2018/1563

of 15 October 2018

on the Research and Training Programme of the European Atomic Energy Community (2019–2020) complementing the Horizon 2020 Framework Programme for Research and Innovation, and repealing Regulation (Euratom) No 1314/2013

ACTIVITIES

Indirect actions

- (b) Contributing to the development of safe, longer-term solutions for the management of ultimate nuclear waste, including final geological disposal as well as partitioning and transmutation (excellent science, societal challenges)

Joint and/or coordinated research activities on remaining key aspects of geological disposal of spent fuel and long-lived radioactive waste with, as appropriate, demonstration of technologies and safety. Those activities are to promote the development of a common Union view on the main issues related to waste management from discharge of fuel to disposal.

Research activities related to management of other radioactive waste streams for which industrially mature processes currently do not exist.

Planned topic for WP 2019-2020



Research and Innovation action instrument : Developing pre-disposal activities identified in the scope of the European Joint Programme in RWM

Scope :

All waste categories and streams other than spent nuclear fuel and high-level waste,
Long-lived intermediate level waste from reprocessing if the process or technology to be developed
can be used for other waste.

Aim :

Primarily develop methods, processes, technologies and demonstrators for the treatment and conditioning
of wastes for which no or inadequate solutions are currently available, (one or several separate)
or improve existing ones.

Approach :

Priority to starting common related developments at pan-European level,
leading to potential future use across a number of MSs,
Work can include analyses of criteria and parameters and specifications for packages to guide decision-making
on the added-value of developing treatment and conditioning technologies
and their impact on the design, safety and economics of waste management and disposal.

Management :

The EJP founding documents (vision, SRA, roadmap and governance and implementation mechanisms)
are expected to be updated and adapted jointly with the EJP to align and share the approaches
between the different communities, i.e. waste producers.

Funding : expected that requested reimbursement rate aligns with the EJP



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Announcement



European
Commission

EURADWASTE '19

9th European Commission Conference
on EURATOM Research and Training
in Radioactive Waste Management



Co-organised
by the European Commission
and the Romanian Presidency of the Council
of the EU in 2019

4-7 June 2019
Pitesti, Romania



Research and
Innovation

Program Structure and Format

Pre-conference - Monday, 3rd June, 2019 (PM)

- ♦ Local guided tour

Day 1 - Tuesday, 4th June, 2019

(AM) FISA and Euradwaste joint introduction:

Intervention from high level representatives of the European Commission, Romanian Ministry, IAEA, OECD Nuclear Energy Agency (NEA), European Economic and Social Committee, European Nuclear Society, FORATOM European nuclear energy industry

(PM) (Plenary session and parallel FISA session)

State of play in Safety of Reactor Systems, Radioactive Waste Management, Radiation Protection and linked Euratom Directives.

Evening: Poster session and conference cocktail

Day 2 - Wednesday, 5th June, 2019

(Parallel sessions on the Euratom programme)

(AM) SESSION ONE - Predisposal and disposal technology developments.

(PM) SESSION TWO – Radioactive waste source term and science for disposal safety.

Day 3 - Thursday, 6th June, 2019

(// sess. cont.)

(AM) SESSION THREE – Networking of research communities, Joint Programming of national programmes and integration of Radioactive waste producers

(PM) FISA and Euradwaste joint concluding session.

Keynote introduction on the state of the Energy Union and EU Climate policies, role of Nuclear Energy for a low carbon economy,
Conference summaries by the two general rapporteurs,
European Commission and Romanian Presidency conclusions

Day 4 - Friday, 7th June, 2019

Technical visits

The plenary presentations will be made by invited speakers. The sessions will include keynote addresses made by representatives of the EC, international organisations, Euratom research projects and by external experts. The respective presentations will be in the form of overviews, summaries and analyses of the subject or project matter. Panel discussions will conclude the main thematic domains. More detailed results of projects and additional contributions will be presented by posters.

Publication

The proceedings including written papers will be published in English by the EC.

Practical information and Registration

Venue: Hotels to be announced in Pitesti, Romania.

Date: 4-6 June 2019 conference & 7 June 2019 technical visits

Official language: English will be the working language for the oral and written communications of the conference.

Conference fee: There will be no conference fee. Advanced registration will be required.

Detailed information regarding the programme and accommodations will be made available, together with the registration form, in early 2019

Important Dates

15 November 2018	First Announcement
15 January 2019	Registration opens
March 2019	Preliminary Programme
15 May 2019	Registration deadline Final Programme
31 May 2019	Online book of abstracts and final programme, printed version at the conference
4-6 June 2019	Euradwaste'19 (Pitesti)

Contact:

European Commission

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(Conference coordination and research programme)

Local organisation

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higher and further !

'Castellers' Barcelona

