REVISED VERSION – 02/02/2023
Please note that the EURAD SRA will only be available early March - See Q&A D-7 (slide 84)

EURAD-2 public webinar #1

Towards EURAD-2

The Core Group

|	
COORDINATOR	**Louise Théodon** (ANDRA – France)
Waste Management Organisations - WMO COLLEGE - via IGD-TP	**Ingo Blechschmidt** (NAGRA – Switzerland) **Astrid Göbe**l (BGE – Germany)
Research Entities - RE COLLEGE - via EURAD-Science network; which also includes supply chains and companies	**Christophe Bruggeman** (SCK CEN – Belgium) **Lara Duro** (AMPHOS 21 – Spain)
Technical Support Organizations - TSO COLLEGE - via SITEX.Network; which also includes civil society and regulator views	**Erika Holt** (VTT – Finland) **Nadja Železnik** (EIMV – Slovenia)

Agenda

- **09.00-10.00 Background from EC and existing programme/project**
  - EURATOM Call and participation rules
  - EURAD
  - PREDIS

- **10.00-10.30 Moving forward EURAD-2 scope**
  - Role of the Core Group
  - Presentation of the general timeline and participation rules

- **10.30-10.45 Break**

- **10.45-11.30 Implementation of EURAD-2**
  - EURAD Strategic Research Agenda
  - Process for the development of work packages
  - Presentation of work package template

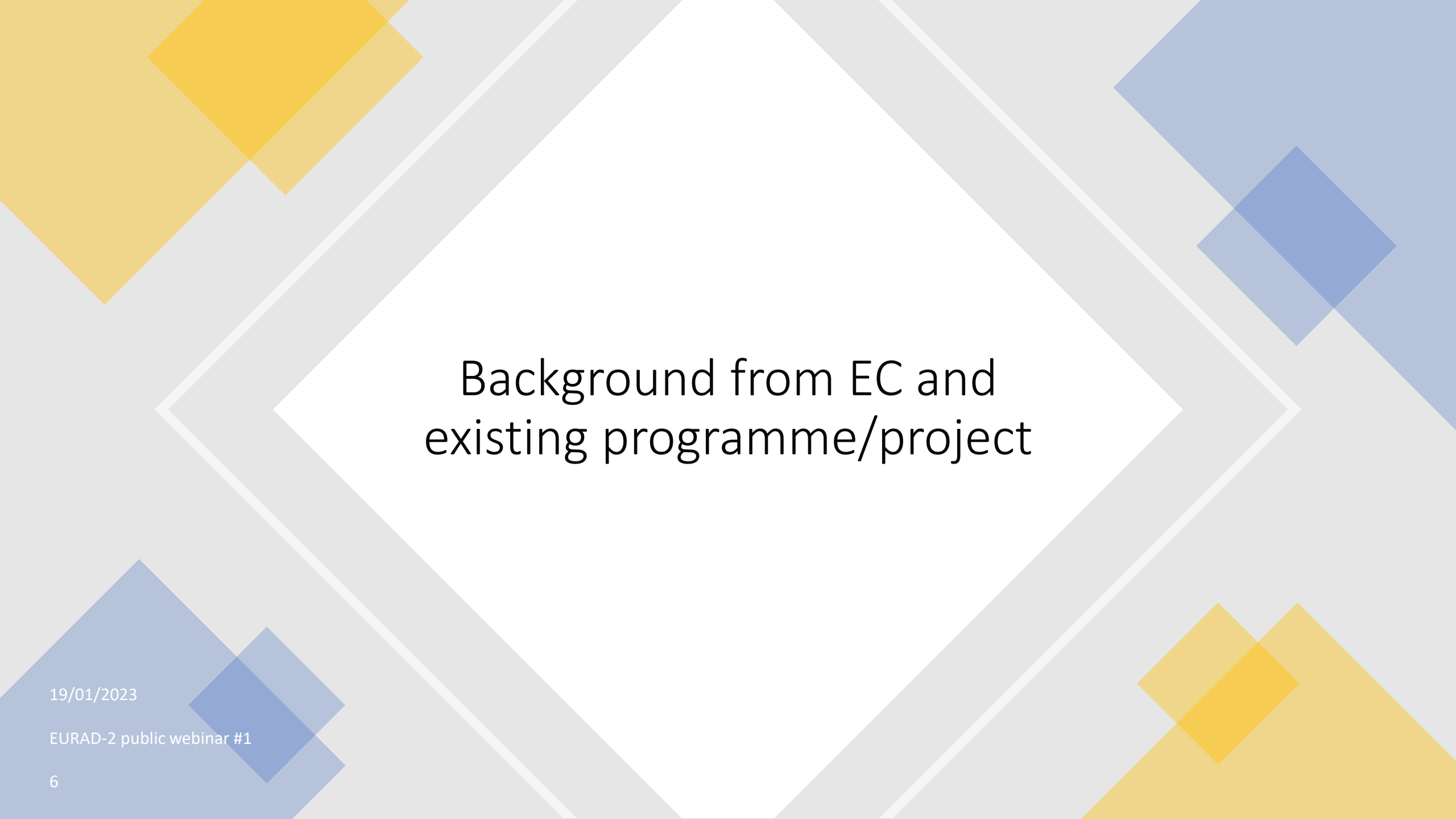- **11.30-12.00 Frequently Asked Questions**

Foreword

- **412 participants registered from 29 countries - 381 attendees**

- **Questions will be answered only in the last section of the meeting - They can be asked in the chat – they will be answered either at the end of the meeting during the FAQ or added in the slides after the meeting**

Number of participants per country
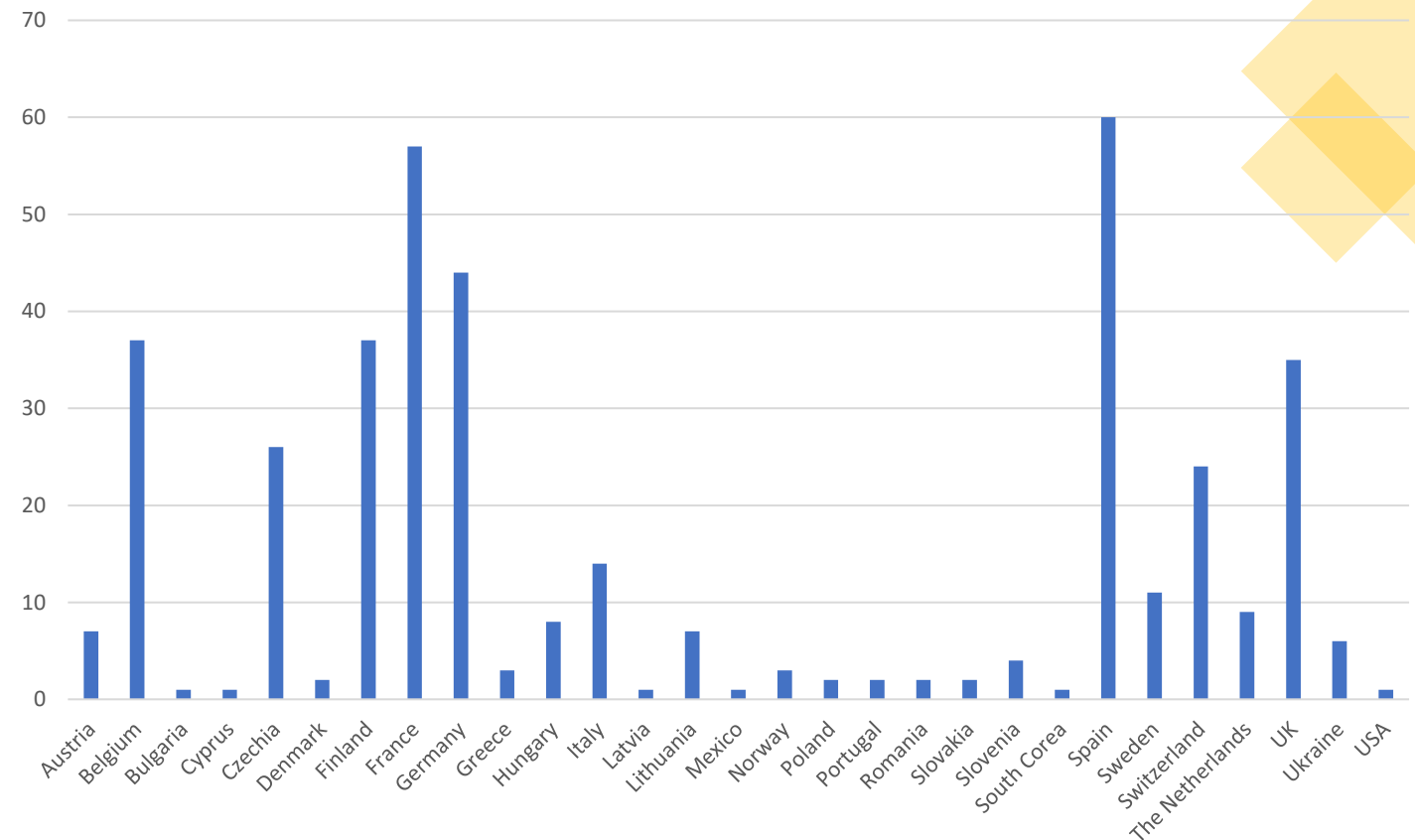
Key terminology

- **Colleges** : refers to platforms that gather a number of organisations depending on their role in radioactive waste management, i.e EURADSCIENCE (for Research Entities), SITEX.Network (for Technical Support Organisations) and IGD-TP (for Waste Management Organisations)

- **Bureau**: refers to a governance structure in EURAD-1 that operates as the accompanying body to the General Assembly. It is composed of 3 representatives per Colleges.

- **Roadmap**: refers to the EURAD-1 Goals Breakdown Structure Roadmap, which is a generic roadmap structured according to phases of implementation for geological disposal.

- **WP Preparation Teams**: refers to a group of 3 persons (one per College) who will be the main contacts for the development of the EURAD-2 workpackages

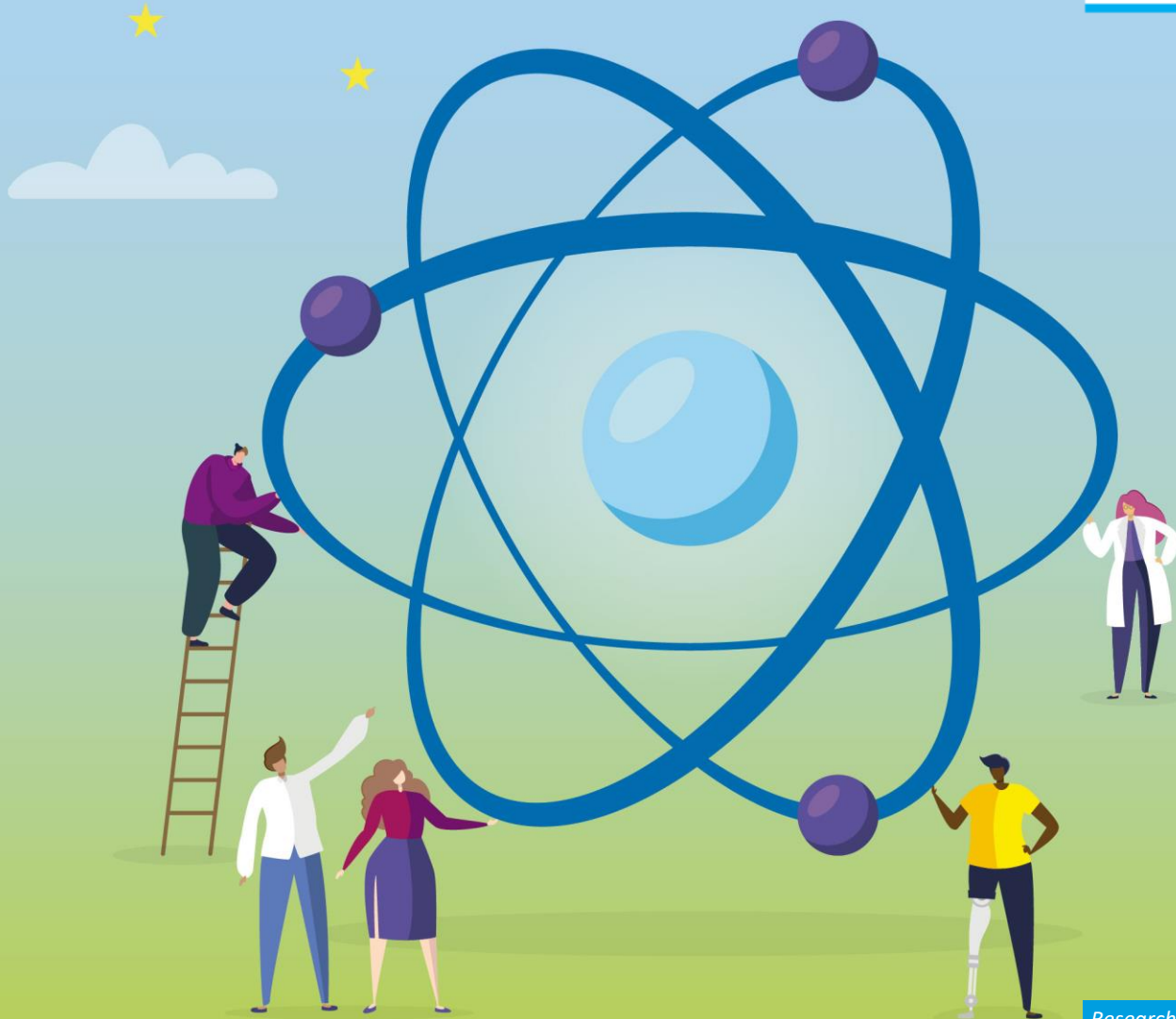# Background from EC and existing programme/project

#Euratom

EURAD Public Webinar
Euratom Call and participation rules

19 January 2023

Seif BEN HADJ HASSINE

seifallah.ben-hadj-hassine@ec.europa.eu

EC DG RTD

Outline

- The Horizon Europe Programme

- The Euratom Work Programme 2023-25

- Past and on-going projects on radioactive waste management

- Upcoming events and deadlines

European Commission

The Horizon Europe Programme

> With Horizon Europe, we step up our ambition for a sustainable future. The programme will maximise its impact by strengthening our scientific and technological bases, boosting our innovation capacity, driving the green and digital transitions and supporting an inclusive recovery.

Mariya Gabriel
Commissioner for Innovation, Research, Culture, Education & Youth

European Commission

Horizon Europe

The ambitious EU research and innovation framework programme (2021-2027)

to strengthen the EU's scientific and technological bases and the European Research Area (ERA)

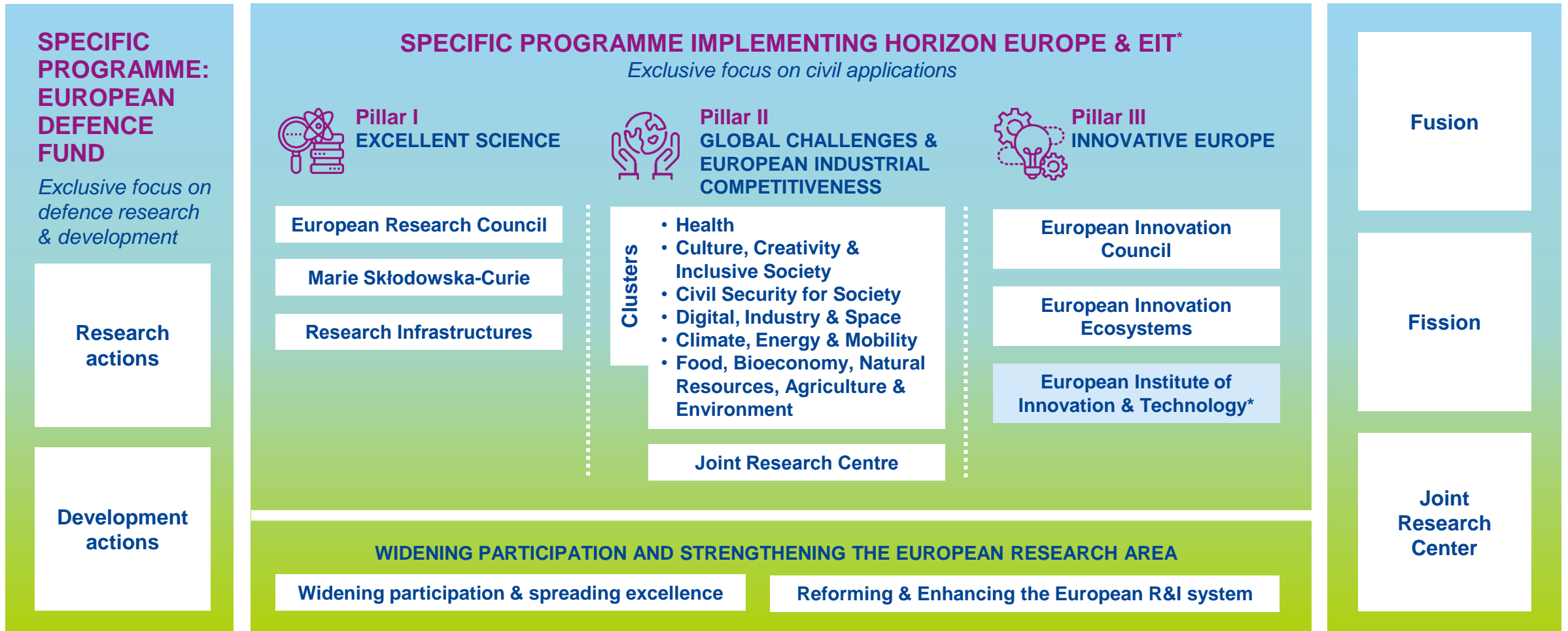to boost Europe's innovation capacity, competitiveness and jobs

to deliver on citizens' priorities and sustain our socio-economic model and values

Budget of around €95.5 billion for 2021-2027 (current prices)

European Commission

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

Research actions

Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*
Exclusive focus on civil applications

Pillar I
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters
- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

Pillar III
INNOVATIVE EUROPE

European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

European Commission

Horizon Europe Budget: €95.5 billion (2021-2027)

(including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)
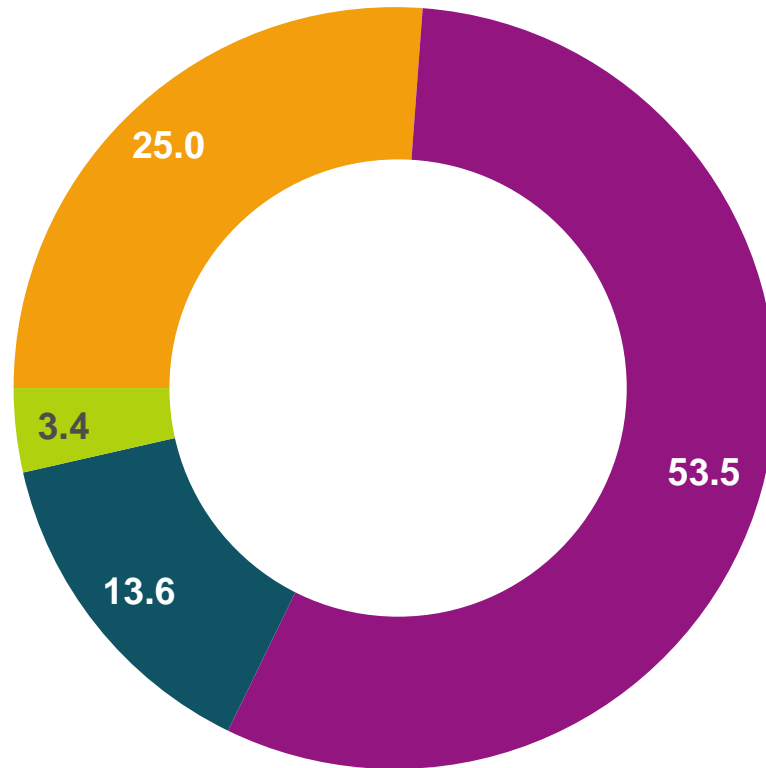
Political agreement December 2020
€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA

25.0

53.5

13.6

3.4

European Commission

The Euratom Research and Training programme

What is it?

- Research and Training (R&T) programmes implemented by the European Commission (EC), under the provisions of the European Atomic Energy Community (Euratom) Treaty, in which all European Union (EU) Members States participate.

What is its role?

- To supplement and coordinate MS' programmes to perform joint and/or coordinated cutting-edge research, to support knowledge creation and knowledge preservation. To avoid duplication and achieve critical mass if needed.

How is it implemented?

- By Multi annual Framework Programmes (FP), 5 years +2 since FP7 and annual / biannual Work Programmes;

- Projects of up to five year duration are funded after calls for proposals evaluated by independent experts.

European Commission

Euratom Programme 2021-2025

The financial envelope for the implementation of the new Euratom Programme 2021-2025 shall be **€1.382 billion in current prices.**

€583 million for indirect actions in fusion research and development

€266 million for indirect actions in nuclear fission, safety and radiation protection

€532 million for direct actions undertaken by the Joint Research Centre

European Commission

Euratom WP 2021-22 Topics	EUR million EC contr./prop	Total Budget (indicative)	Proposals (indicative)
1 Safety of operating Nuclear Power Plants and Research Reactors (RIA).............	3.0	18.0	6
2 Safety of advanced and innovative nuclear designs and fuels (RIA)...................	3.0	13.5	4
3 Multi-recycling of spent nuclear fuel from Light Water Reactors (RIA).......	6.0	6.0	1
4 Advanced structural materials for nuclear applications (RIA)............................	8.0	8.0	1
5 Safety of High Temperature Reactors (RIA)...	3.0	3.0	1
6 Harmonization of licensing procedures, codes and standards Fi/Fu (CSA)...........	2.5	2.5	1
7 Development of tritium management in fusion and fission facilities (RIA)...........	3.0	3.0	1
8 Towards an aligned harmonized regulatory framework RWM and DECOM (CSA)...	3.0	3.0	1
9 European Partnership for research in radiation protection (COFUND)................	30.0*	30.0*	1
10 Safe use and reliable supply of therapeutic radionuclides (RIA)........	3.0	3.0	1
11 Cross-sectoral synergies and new applications of nuclear technologies (IA)......	2.0	10.0	5
12 European Facility in Nuclear Research (CSA)..	9.0	9.0	1
13 Towards a European nuclear competence area (CSA)......................................	7.0	7.0	1
14 Socio-economic issues related to nuclear technologies (CSA).........................	1.5	1.5	1
15 Support to Euratom National Contact Points (CSA)...	0.25	0.25	1
16 Support to the Sustainable Nuclear Energy Technology Platform (CSA).............	0.6	0.6	1
Other Actions: GIF, FISA2022/EURADWASTE'22 ...Eurofusion (COFUND **537***)....		0.7 .. 537 (fusion)	1
Overall Euratom Fission 2021-22 Call indicative budget (* include budget from years 2023-25 fission (20), fusion (343))		99.6 (fission)	28

Horizon Europe Euratom Call 2023-25: Overview Schedule

Event	Date
Publication of the WP 2023-25	**End January 2023**
Submission Call open...................................	**Spring 2023**
Deadline	**Autumn 2023**
Evaluations	**End 2023**
Communication of outcomes	**Early 2024**
Negotiations/Finalisation of Grants	**Spring 2024**
Grant Agreement signature........................	**Mid 2024**
First projects expected to be launched	**Mid 2024**

EC Funding and Tenders portal
https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home

European Commission

Some important points to take into account

- Gender balance among researchers can decide funding for equally-scored proposals

- Gender Equality Plan: eligibility criterion for public bodies, research organisations and higher education establishments from Member States and Associated Countries, self-declaration requested at proposal stage

- Third countries associated to Horizon Europe: check status of association agreements, see up-to-date List of Participating Countries in Horizon Europe

European Commission

General guidance and resources

- F&T portal https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/support

- HE WP General Annexes

- HE Programme Guide

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Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

European Commission

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SEARCH FUNDING & TENDERS ▼   HOW TO PARTICIPATE ▼   PROJECTS & RESULTS   WORK AS AN EXPERT   SUPPORT ▼

select programme

European Commission

Past and on-going projects on radioactive waste management

Waste Management and Geological Disposal

Strong effort of EC to support R&D on radwaste since more than 40 years and an evolution to federate all the actors, in an holistic view and including all types of radwaste

Financial orientation

Evolution of the R&D process

Period	#	Pyramid level	Projects/Funding
2020 Horizon 2020 2014	9th	GD + Pre-disposal and Knowledge Management	1x EJP (€ 32,5m) 10 projects (€ 35,5m)
2007 – FP7	8th	GD implementation oriented R&D, key remaining issues	26 projects (€ 64.6m)
2002 – FP6	7th	GD only and Industrial scale demonstrations	24 projects (€ 47.1m)
1998 – FP5	6th	Governance, Public involvement & Education and Training	43 projects (€ 32.0m)
1994 – FP4	5th	Large-scale demonstrations	41 projects (€ 33.5m)
1990 – WM (4)	4th	URL constructions, In situ testing	>100 projects (€73.5m)
1985 – WM (3)	3rd		>400 projects (€62.0m)
1980 – WM (2)	2nd	Basic knowledge, Safety Assessment tools, waste treatment & conditioning (until 1994)	(€ 43.0m)
1975 – WM (1)	1st		(€ 19.0m)

Joint programming **EURAD**

IGD-TP 2009 ; SITEX 2012
EURADWASTE 2013, 2019

Large integrated projects

Start multi partner & multi discipline projects and coordination actions

Single partner or single discipline contracts

eurad
European Joint Programme on Radioactive Waste Management

igd·tp
safe solutions for radioactive waste

A group of front runners FI, SE, FR

Programme/projects on RWM

European Joint Programme

- Establishment of the IGD-TP in 2009

- Creation of the SITEX Network in 2012

- The 3 year JOPRAD project launched the preparatory phase for a first European Joint Programme in 2015

- A governance system of the future EJP built around the 3 colleges (REs, TSOs, WMOs)

- EURAD started in June 2019

https://www.ejp-eurad.eu/

PREDIS project

- Developing pre-disposal activities identified in the scope of EURAD

- Focus on conditioning processes for metallic and organic waste streams and monitoring of waste packages

- Signed MoU to foster cooperation & communication EURAD/PREDIS

- Joint dissemination, joint stakeholder engagement

https://predis-h2020.eu/

FISA 2022 - EURADWASTE'22 conferences

- The FISA 2022 – EURADWASTE'22 Conferences were successfully organized during the French Presidency from 30th of May to 2nd of June 2022 in Lyon, with CEA. Proceedings of the conferences will be published early 2023

  European Commission, Directorate-General for Research and Innovation, *FISA 2022 – EURADWASTE'22 : book of abstracts*, Publications Office of the European Union, 2022, **https://data.europa.eu/doi/10.2777/662189**
  https://data.europa.eu/doi/10.2777/652455

Upcoming events and deadlines

Future events and key deadlines

Decommissioning

- End Jan. Publication of the WP 23-25
- 23-27 Jan. Final demonstration of the MICADO project
- 25 Jan. Lunch & Learn HARPERS
- 15-19 May: Dedicated session at the IAEA conference on decommissioning
- Oct. INNO4GRAPH final workshop at the EDF demonstrator

https://www.ejp-eurad.eu/events?page=0

https://predis-h2020.eu/events/

Radioactive Waste Management

- 19 Jan. Public webinar
- 23 Jan. Lunch & Learn (Cost assessment and financing schemes)
- 25-27 Jan. NucCon conference
- 6-10 Feb. Training on geochemical and reactive transport
- 14-16 Feb. Training on uncertainty management
- 28 Feb. - 4 Mar. WM symposium
- 16-19 Mar.: EURAD 3rd annual event

European Commission

Publications – CORDIS (EC R&D Information Service)

| HOME | RESULTS PACKS | RESEARCH*EU MAGAZINES | NEWS & EVENTS | PROJECTS & RESULTS | ABOUT | SIGN IN |

European Commission | CORDIS EU research results

English EN

Search

View all H2020 Euratom projects summaries
and public deliverables on CORDIS
https://cordis.europa.eu/

H2020 Euratom projects (All)

https://cordis.europa.eu/search?q=contenttype=%27project%27%20AND%20(programme/code=%27H2020%27%20OR%20programme/code=%27H2020-Euratom%27)%20AND%20(%27euratom%27)&p=1&num=100&srt=Relevance:decreasing

… Latest relevant projects summaries !

European Commission

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HorizonEU

Commissioner **Mariya Gabriel:** @GabrielMariya

Director-General **Jean-Eric Paquet:** @JEPaquetEU

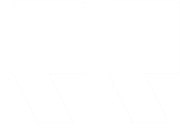**DG Research and Innovation:** @EUScienceInnov @EU_H2020
https://www.facebook.com/EUScienceInnov/

Horizon Magazine: @HorizonMagEU

Horizon Europe website: http://ec.europa.eu/horizon-europe

European Innovation Council: http://ec.europa.eu/research/eic

European Research Council: https://erc.europa.eu/

European Commission

Thank you!

HorizonEU
Euratom

http://ec.europa.eu/horizon-europe

https://ec.europa.eu/programmes/horizon2020/en/h2020-section/euratom

EURAD Overview

5 years
2019-2024
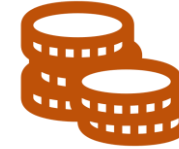
Budget: 59,9 M€
55 %EC
contribution

Support EU Member-States in developing and implementing their national RD&D programmes for the safe long-term management of their full range of radioactive waste, taking into account the various stages of advancement of national programmes and in accordance with the Waste Directive(2011/70/Euratom).

Objectives :
- Implement a robust and sustained state-of-the-art **Science and Technology Programme**
- Identify and elaborate upon complex issues by bringing together interested actors to jointly conduct **Strategic Studies**
- Consolidate efforts across Member-States, organisations and generations on **Knowledge Management**
- Foster **mutual understanding** and **trust** between participants (incl. from Civil Society) and other stakeholders

EURAD participants

115 organisations

~ 900 individuals

110+ PhD/post-doc/master students

Ministries from 23 European countries recognising their role of directing RD&D at the national level, provided mandates to **51 organisations** acting as Beneficiary within EURAD:

- Waste Management Organisations (WMO)

- Technical Support Organisations (TSO)

- Research Entities (RE)

- … with 60 linked third parties & 3 international partners also participating
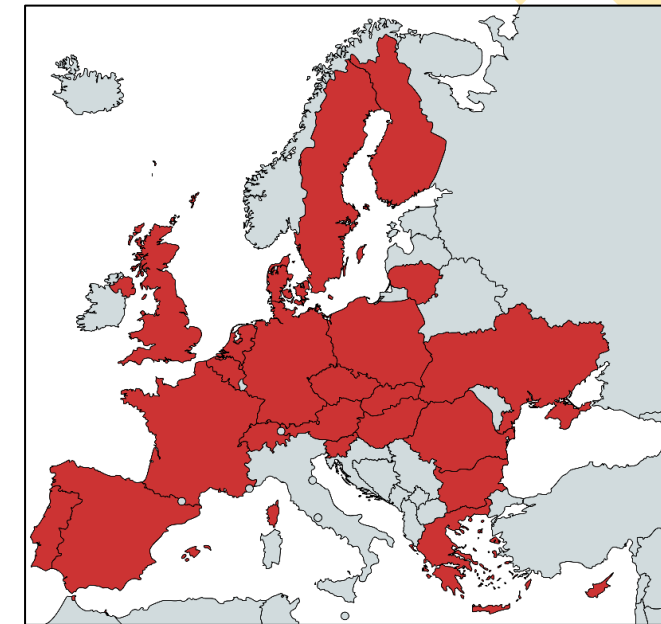
EURAD work packages

10 R&D WPs

- Source term, engineered barriers, nearfield

- Geosphere barrier, perturbing effects and clay material barriers

- Methods, models, interactions and tools

2 Strategic Studies

- Waste management ROUTES (cradle to grave)

- Uncertainty management

3 Knowledge Management WPs

- State-of-Knowledge

- Guidance

- Training and Mobility

Background from PREDIS project (Predisposal management of radioactive waste)

47 partners
17 countries
25 End User Group members
(2/3 of partners are also in EURAD)

Aim: Identify, develop and improve innovative technologies in pre-disposal radioactive waste management

Endorsement and close interaction with SNETP-Nugenia, IGD-TP, IAEA, NEA, EURAD

Total budget 23.7 M€
EC contribution of 14 M€

4 years
Started Sept 2020

Detailed info:
https://predis-h2020.eu/

PREDIS – Project objectives and ambition

Low & Intermediate Level Waste Types

Metallics | Liquid Organics | Solid Organics | Cemented Waste

Characterisation & classification of waste

New treatments, conditioning & monitoring

Modelling & Performance evaluation of new solutions

Environmental & economic evaluations

Innovative R&D Approaches
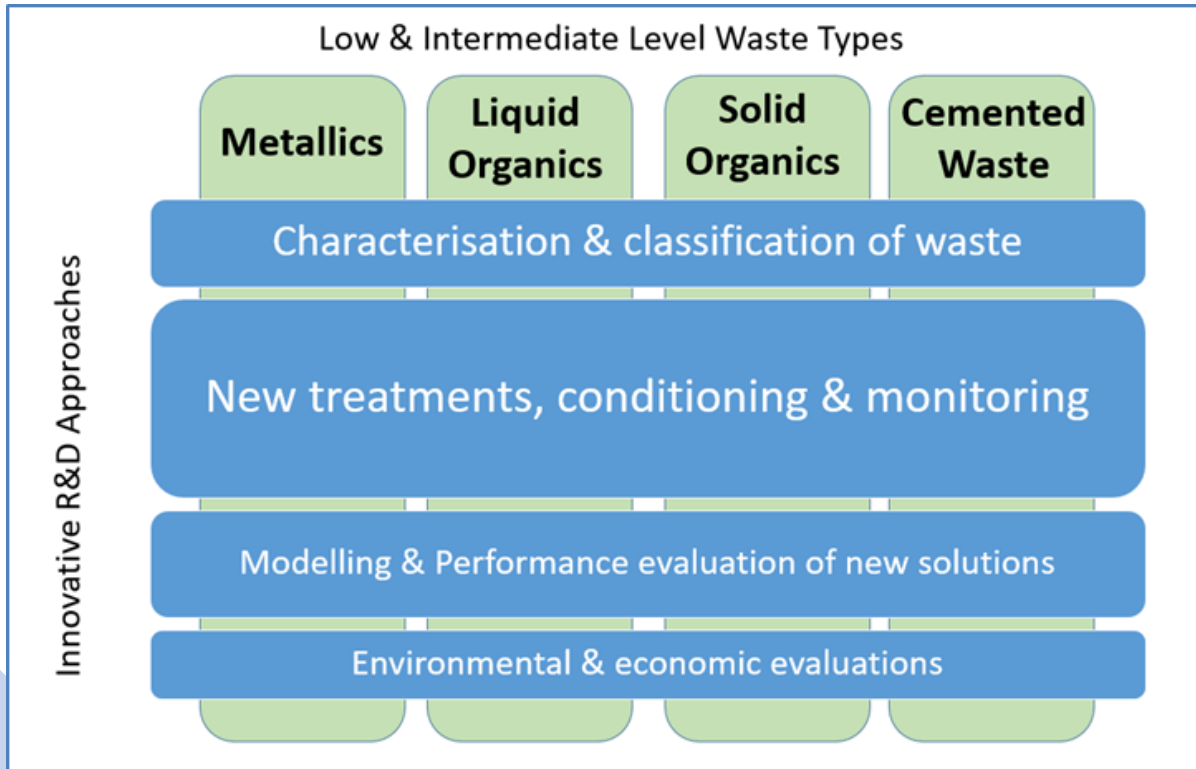
- Develop solutions (methods, processes, technologies and demonstrators) for future treatment and conditioning of waste across a number of Member States, for which no industrially mature or inadequate solutions are currently available, improving safety during next waste management steps

- Improve existing solutions with safer, cheaper or more effective alternative processes where they bring measurable benefits to several Member States

- Analyse criteria, parameters and specifications for materials and packages with associated Waste Acceptance Criteria (WAC) for pre-disposal and disposal activities, supporting homogenisation of waste management processes across Europe

- ~70% budget towards R&D, 10% Strategic studies, 10% Knowledge Management, 10% Project Management

Continuous collaboration between EURAD and PREDIS

- Signed MoU to foster cooperation & communication
- Collaboration on Roadmap Theme n°2 on Predisposal
  - including associated KM documentation
- Linking and alignment of KM
  - including joint statement, alignment of training programmes and rates for mobility grants
- Joint stakeholder engagement and dissemination (workshops, papers, presentations and posters)
  - Joint webinar on Digital Twins in RWM, invited EURAD and PREDIS presentations on WAC, KM

- Sharing of Best Practices

Moving forward EURAD-2

Role of the Core Group – 1/2

Based on

- Discussions at the EURADWASTE workshop (May 2022) where EURAD, PREDIS, EC and Member States were present

- Feedback from EURAD-1 preparation

- June communication to Colleges to establish a Core-Group

Represent the Colleges

- Members are mandated by the Colleges, they do not decide, they make proposals to the Colleges to be validated

  ➢ Do not act as representatives of their organisation, not a prefiguration of Bureau / PMO
  ➢ Selected to respect diversity and balance (countries, stage of advancement, PREDIS project)
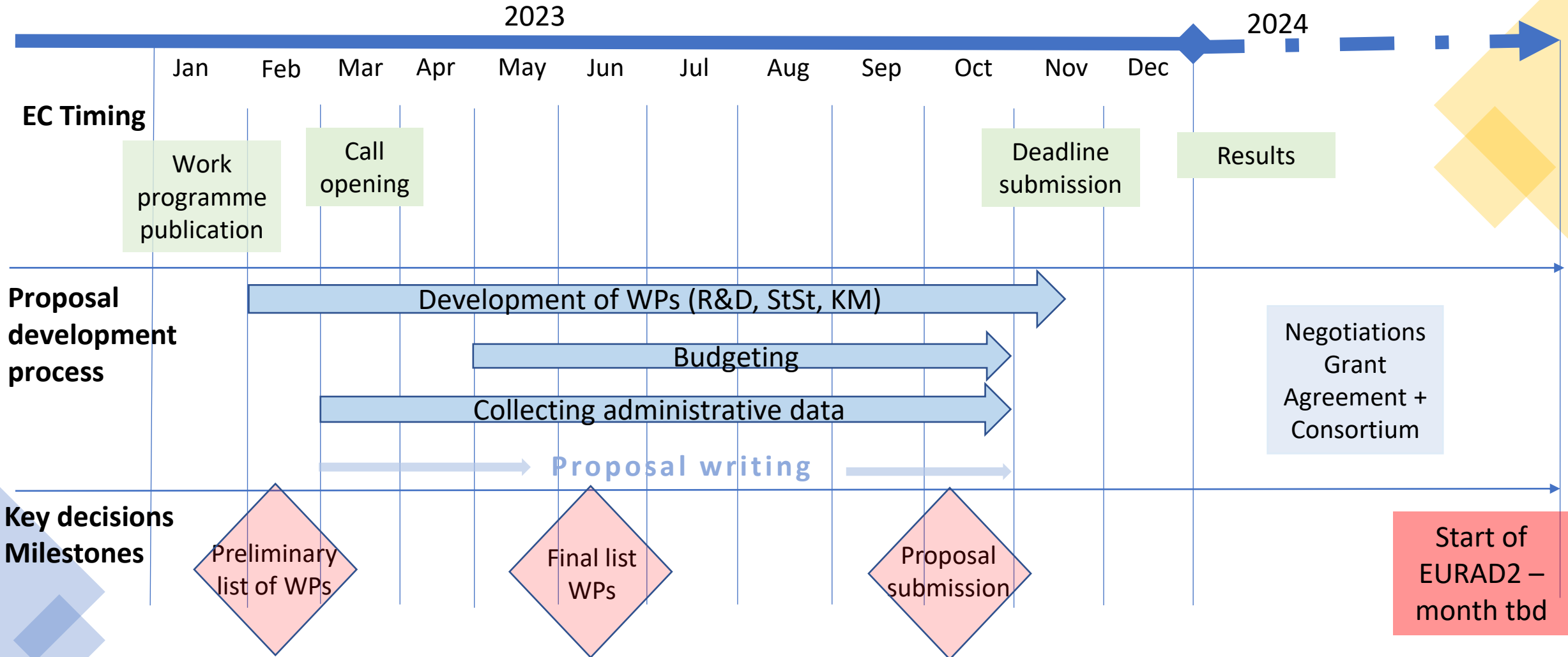
Role of the Core Group – 2/2

Build EURAD-2 proposal

- Steer the activities to be carried out until the submission of the proposal

- Plan and coordinate the actual setting up of the programme
  - ➢Discuss and propose content of the founding documents
  - ➢Coordinate the technical content
  - ➢Prepare comprehensive communication documentation
    - Previous and future communications are available on EURAD and PREDIS websites
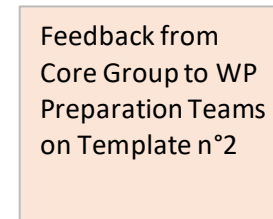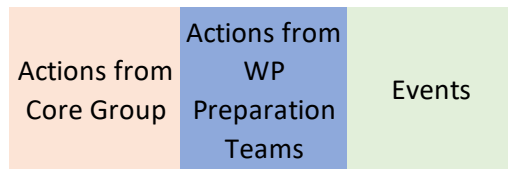
EURAD-2 scope

- All types of disposal (RWM activities from cradle to grave – except decommissioning) and full range of radioactive waste (from VLLW to HLW)

- Based on the same documents : EURAD [Vision](#), [Roadmap](#) and [updated SRA](#) (to be available early February)

- Same objectives and type of activities:
  - Develop, maintain and consolidate the scientific and technical basis of radioactive waste management $\Rightarrow$ **R&D WPs**
  - Address important & complex issues and enable expert networking $\Rightarrow$ **Strategic Studies WPs**
  - Enhance KM and transfer between organisations, MS and generations $\Rightarrow$ **KM WPs**

Moving forward EURAD-2 – Timeline – 1/2

2023   2024

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

EC Timing

Work programme publication

Call opening

Deadline submission

Results

Proposal development process

Development of WPs (R&D, StSt, KM)

Budgeting

Collecting administrative data

Proposal writing

Negotiations Grant Agreement + Consortium

Key decisions Milestones

Preliminary list of WPs

Final list WPs

Proposal submission

Start of EURAD2 – month tbd

Moving forward EURAD-2 – Timeline – 2/2

	2022	2023									
	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct
Development of first ideas	Publication Template n°1		Template n°1 to Colleges (2 pages max)	FF event - pitch ideas							
Consolidation of ideas into WPs					Publication Template n°2	Template n°2 to Core Group (5-10 pages)	Updated Template n°2 to Colleges	EURAD-2 Public webinar n°2			
Development of WPs								Final list of WPs Publication Template n°3		Template n°3 to Core Group	Submission of the proposal

Actions from Core Group	Actions from WP Preparation Teams	Events

Feedback from Core Group to WP Preparation Teams on Template n°2

Participation rules – 1/2

- All partners will need to be part of a College (RE, TSO, WMO)
    - **Mandated Actor** by the Ministries
        - Template to request mandate will be provided by the Core Group once the call is published
    - **Affiliated Entity** (new term for Linked Third Party)
        - Legal links to be an affiliated entity must be pre-existing and must last longer than the duration of EURAD-2 and have a larger scope

- **Associated Partners:** participating at their own costs – No EC funding
    - UK and Swiss partners
    - International partners

- For organisations providing research, an umbrella mechanism allowing an easier affiliation is currently explored

- EURAD-2 will be a flexible and inclusive programme, it is anticipated that only part of the budget will be allocated at the start of the programme (**2 waves principle**) – the remaining will be provisioned under coordinator's budget
    - 1st wave of WPs launched at the start of the programme (defined by Summer 2023)
    - 2nd wave of WPs launched during the course of the programme (defined in 2025-2026)

Participation rules – 2/2

- Partners need to embrace **EURAD Vision and principles**
  - Positive participation, maintenance of independence, transparent governance, scientific excellence, balanced programme, added value, inclusiveness, equitable financing, complementary participation and tangible results

- EURAD-2 will be a **co-funded partnership**
  - Commitment to provide the co-financing. Each partner must be able to bear the costs that are not funded by the EC
  - Co-financing will vary depending on the type of activity
  - Partners will actively participating to the work (different from end users)

Break

Implementation of EURAD-2

EURAD SRA UPDATE

EURAD-2 Proposal preparation • January 19th, 2023

Valéry Detilleux, on behalf of EURAD GA Bureau

WHAT IS THE EURAD SRA ?

- **SRA = Strategic Research Agenda**

- **What are the objectives?**
  - Document domains of common interest for further EURAD activities
  - Between the different types of actors involved in the EURAD joint programme
  - Considering the EURAD objectives and "boundary conditions"
  - Considering what is done outside of EURAD
  - With the objective to support MS in the implementation of their national programmes

- **For what is it used?**
  - To disseminate current EURAD domains of interest for the next 10 years
  - It provides a common basis to identify, discuss, propose and develop new EURAD activities
  - Promote interactions between colleges and thus benefit from the EURAD multi-actors dimension

START OF THE STORY: JOPRAD

FROM JOPRAD TO EURAD SRA

2017   2019   2021   2023   2024
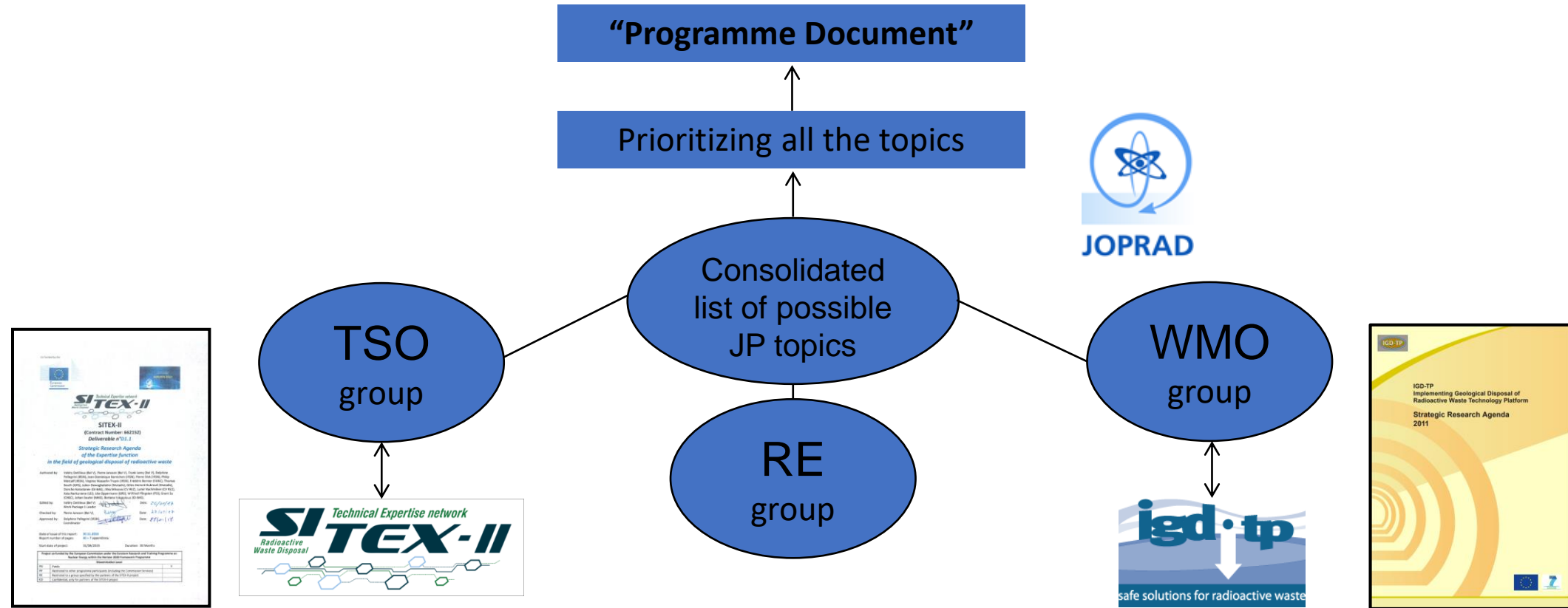
eurad 2

JOPRAD

TOWARDS A JOINT PROGRAMMING ON RADIOACTIVE WASTE DISPOSAL

eurad

EUROPEAN JOINT PROGRAMME ON RADIOACTIVE WASTE MANAGEMENT

STRATEGIC RESEARCH AGENDA

Scientific and technical domains and sub-domains and knowledge management needs of common interest between EURAD participants.

STRATEGIC RESEARCH AGENDA **UPDATE**

Scientific and technical domains and sub-domains and knowledge management needs of common interest between EURAD participants.

PREDIS

PRE-DISPOSAL MANAGEMENT OF RADIOACTIVE WASTE

Milestone M2.3
Baseline Strategic Research Agenda
20.08.2021 version 1

Dissemination level: Public

Alan Wareing
National Nuclear Laboratory
5th Floor, Chadwick House, Warrington Road, Birchwood Park, Warrington WA3 6AE, UK
Email: alan.a.wareing@uknnl.com

FINAL

...gic Research Agenda

Public

Alan Wareing
National Nuclear Laboratory
5th Floor, Chadwick House, Warrington Road, Birchwood Park, Warrington WA3 6AE, UK
Email: alan.a.wareing@uknnl.com

eurad

EURAD SRA UPDATE: THE LANDSCAPE

Input from other projects, networks...

EURAD Colleges (TSO, WMO and RE) needs and priorities

EURAD External Advisory Board (EAB)

STRATEGIC RESEARCH AGENDA

Scientific and technical domains and sub-domains and knowledge management needs of common interest between EURAD participants.

Views from Nuclear licensees (waste generators)

Views from Civil Society

How to update ?
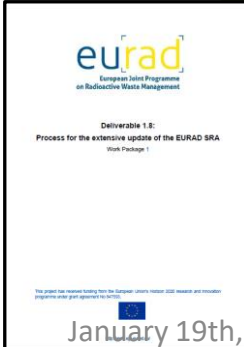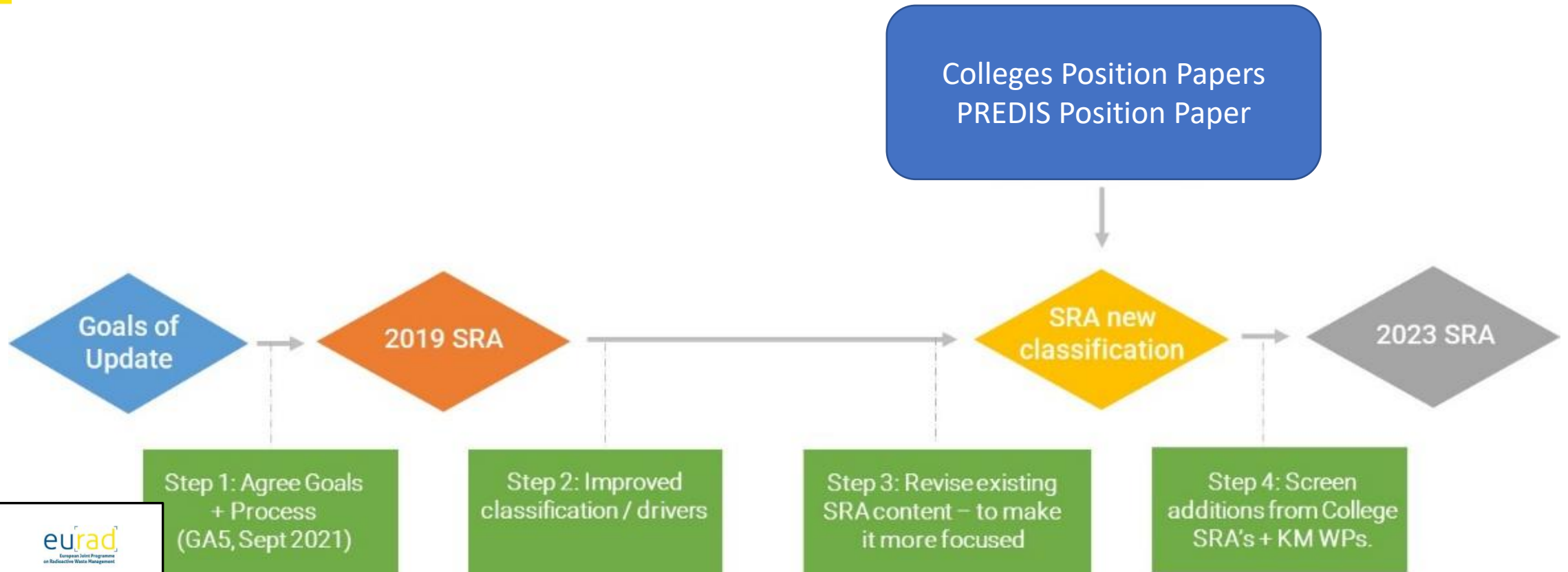We need shared goals, scope and process.

GOALS OF THE SRA UPDATE

- **Identify new SRA needs & priorities emerging**

- **Covering R&D, Strategic Studies and Knowledge Management activities**

- **Classify SRA needs with a new methodology, based on drivers.**

- **Activities of common interest for next 10 years**

- **Align SRA with EURAD Roadmap and ensure a systemic view**

SCOPE OF THE SRA UPDATE

- **Scientific and technical activities on radioactive waste management from cradle to grave (excluding dismantling and decommissioning of nuclear facilities):**

  - Radioactive waste characterisation and processing (including treatment, conditioning and packaging);

  - Interim storage and transport of radioactive waste; and

  - Disposal solutions – mainly geological disposal of spent fuel, high-level waste (HLW) and long-lived intermediate level waste (ILW).

- **The scope of the update will consider the following main inputs:**

  - The EC PREDIS project (aligns mainly with SRA Theme 2), bringing in views from waste generators

  - Updated SRA / Position papers from EURAD Colleges

  - Views from Civil Society will be brought in by TSO Updated SRA / Position papers.

  - KM priorities from EURAD (+PREDIS) KM Work Packages

  - Input from EURAD Strategic Studies
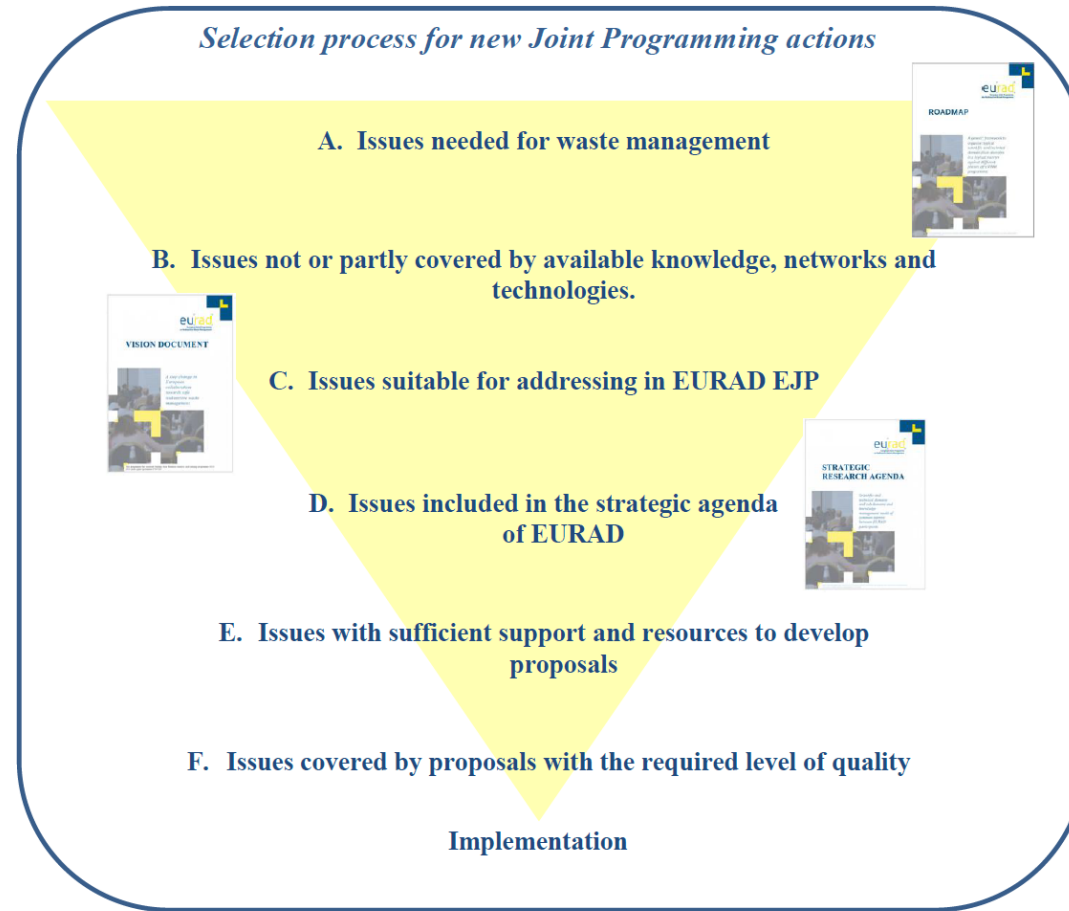
AGREED SRA UPDATE PROCESS: 4 STEPS

Colleges Position Papers
PREDIS Position Paper

Goals of Update → 2019 SRA → SRA new classification → 2023 SRA

Step 1: Agree Goals + Process (GA5, Sept 2021)

Step 2: Improved classification / drivers

Step 3: Revise existing SRA content – to make it more focused

Step 4: Screen additions from College SRA's + KM WPs.

Deliverable D1.8

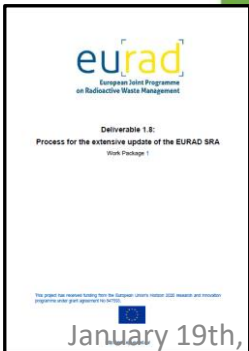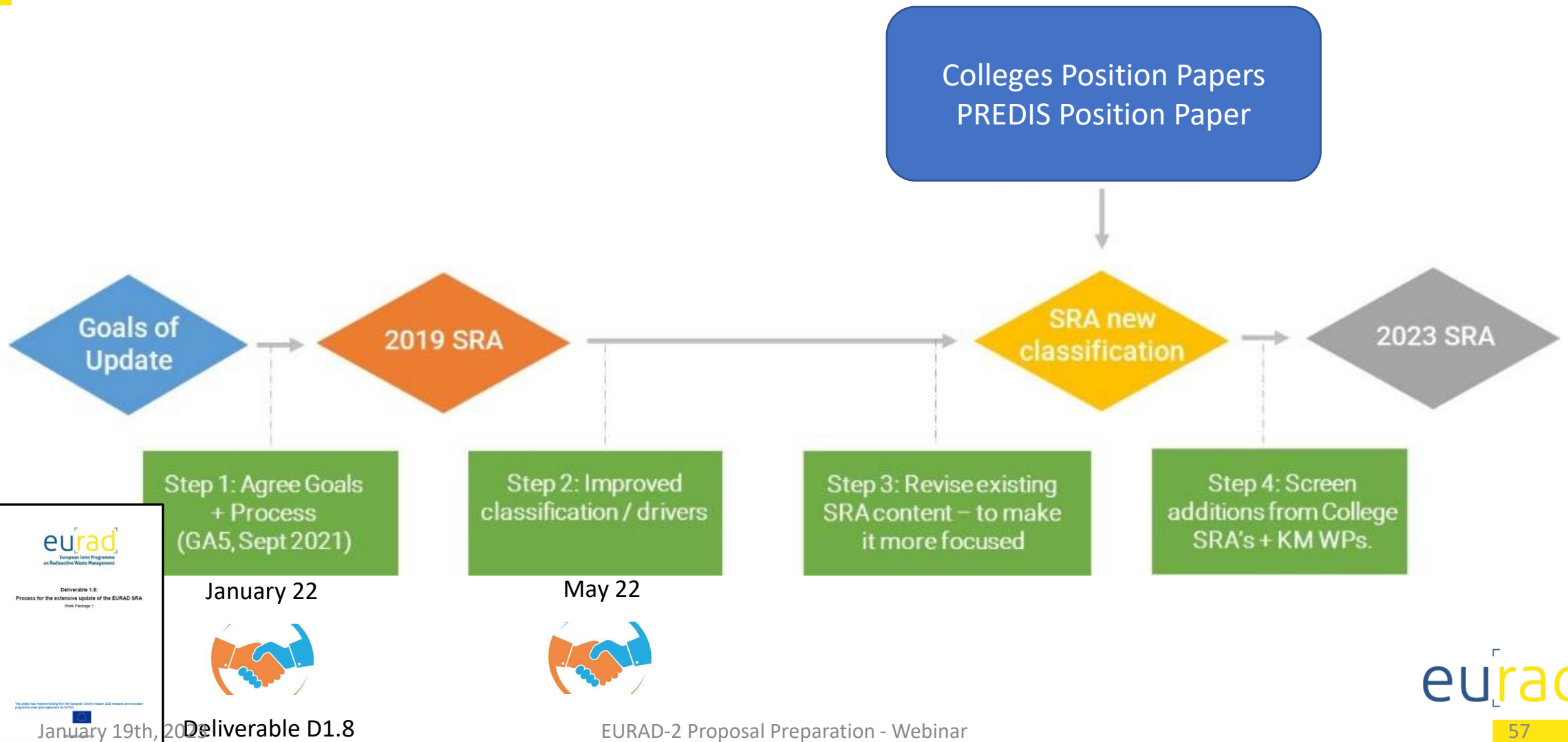# STEP 2 - IMPROVED CLASSIFICATION: DRIVERS

Driver Shorthand	Driver Explanation
Implementation Safety	Contributing to the safe construction, operation and closure of DGRs (and other disposal facilities), ensuring long-term safety.
Tailored Solutions	Supporting the development of tailored solutions for the management of various radioactive waste types in Europe: • Working together on scientific, technical, managerial, societal and regulatory issues of common interest and considering the full range of potential disposal solutions and waste groups accounting for IAEA's graded approach and taking economic aspects into consideration. • Increasing robustness of approaches by addressing cross-correlations, path dependencies and potential pitfalls in the RWM strategy.
Scientific Insight	Advancing state of the art science in waste management and disposal throughout the waste management chain: • Exploratory research in areas with significant uncertainty or in areas with high potential to improve knowledge.
Innovation for Optimization	Supporting RWM innovation for optimization: • Continuously managing uncertainty, improving robustness, reducing complexity and costs and optimizing RWM routes and advancing technology and solutions to meet the needs of Member States.
Societal Engagement	Helping to engage with and maintain mutual trust with stakeholders, and awareness in RWM: • Addressing issues emerging from regulatory and societal concerns, fostering transparency and fruitful interactions with Civil Society along all stages of a RWM programme.
Knowledge Management	Enhancing knowledge management and transfer between organisations, Member States and generations: • Capturing, maintaining, and efficiently developing skills, knowledge and infrastructure, in view of the long lead-times and the intergenerational dimension associated to RWM.

STEP 2 - ROLES OF DRIVERS

Selection process for new Joint Programming actions

A. Issues needed for waste management

B. Issues not or partly covered by available knowledge, networks and technologies.

C. Issues suitable for addressing in EURAD EJP

D. Issues included in the strategic agenda of EURAD

E. Issues with sufficient support and resources to develop proposals

F. Issues covered by proposals with the required level of quality

Implementation

EURAD SRA-DRIVERS

AGREED SRA UPDATE PROCESS: 4 STEPS

Colleges Position Papers
PREDIS Position Paper

Goals of Update

2019 SRA

SRA new classification

2023 SRA

Step 1: Agree Goals + Process (GA5, Sept 2021)

Step 2: Improved classification / drivers

Step 3: Revise existing SRA content – to make it more focused

Step 4: Screen additions from College SRA's + KM WPs.

January 22

May 22

Deliverable D1.8

STEP 3 - FIRST UPDATED SRA VERSION (VERSION 1.1)

- **Developed**
  - by extracting all the needs (RD&D, SS and KM) from the 2019 EURAD SRA
  - re-organizing them using the EURAD roadmap goals breakdown structure
  - Proposing drivers (from step 2) for each of the SRA needs

- **Result:**
  - draft updated SRA
  - Without new needs
  - But with current needs aligned with EURAD Roadmap (improved consistency within EURAD strategic documents)

- **Shared with Colleges and PREDIS on 4th of July 2022 for review**
  - of the new structure
  - of the current SRA content (what as changed, what should be added?)
  - of the proposed drivers

AGREED SRA UPDATE PROCESS: 4 STEPS

October 22

Colleges Position Papers
PREDIS Position Paper

| Goals of Update | → | 2019 SRA | | SRA new classification | → | 2023 SRA |

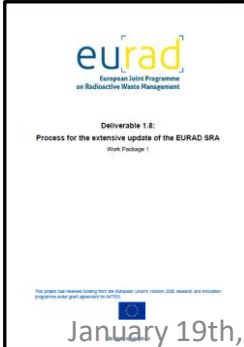| Step 1: Agree Goals + Process (GA5, Sept 2021) | Step 2: Improved classification / drivers | Step 3: Revise existing SRA content – to make it more focused | Step 4: Screen additions from College SRA's + KM WPs. |

January 22

May 22

July 22

Deliverable D1.8

STEP 4 - SCREEN ADDITIONS FROM COLLEGES / PREDIS

- **Colleges and PREDIS proposed**

  - some (light) improvement of the drivers wording

  - to group some current SRA topics

  - changes in the proposed drivers selection for the SRA topics

  - new topics to be considered in the SRA / current topics on which the attention should be emphasized

- **Based on this input a new draft SRA update**

  - Was developed and sent to the Colleges in early January 23

  - For review

  - To be used as a first input for the EURAD-2 proposal WP identification process

- **A new version of the updated SRA is in preparation, considering the received reviews and will be made available in February 23.**
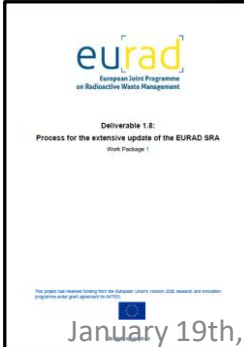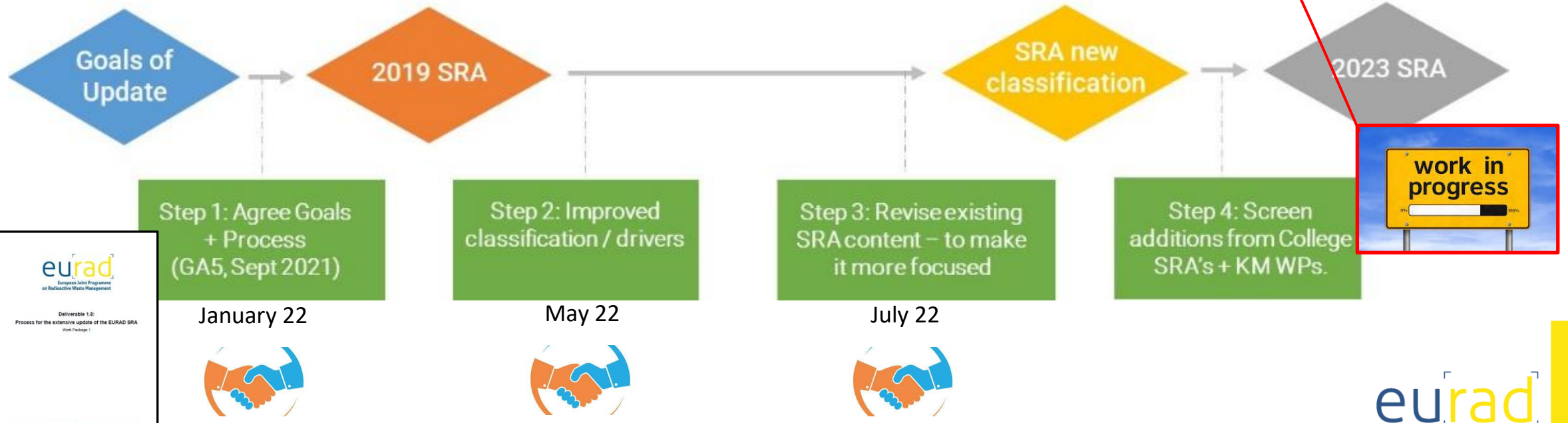
eurad

EURAD SRA UPDATE PROCESS: STATUS

- Draft available for input to the EURAD-2 proposal WP identification process
- New version expected in February 2022

October 22

Colleges Position Papers
PREDIS Position Paper

Goals of Update → 2019 SRA → SRA new classification → 2023 SRA

Step 1: Agree Goals + Process (GA5, Sept 2021)

Step 2: Improved classification / drivers

Step 3: Revise existing SRA content – to make it more focused

Step 4: Screen additions from College SRA's + KM WPs.

work in progress

January 22

May 22

July 22

Deliverable D1.8

Process for the development of work packages – 1/3

February

(deadline to be fixed by each College)

- Submission of proposals (EURAD-2 WP description template) to Colleges via the identified contact person:

    RE: euradscience@sckcen.be

    TSO: valéry.detilleux@belv.be

    WMO: secretariat@igdtp.eu

28 February

- Colleges submit to Core Group the list of WPs they want to support - submission of EURAD-2 WP description template

March

- Core Group makes a suggested grouping of WPs (finding synergies between the different proposals) and invites key persons for pitching the ideas at the Focus Funnel event in Cyprus

- Based on the outcomes of the Focus Funnel, Core Group makes a new proposal of grouping to Colleges

Process for the development of work packages – 2/3

April

- Colleges nominate 1 representative for each WPs (definition of WP Preparation Team)
- Template n°2 (previously agreed by the Colleges) is provided by Core Group to WP Preparation Team

May

- WP Preparation Teams send Template n°2 completed to Core Group
- Core Group give feedback to WP Preparation Team

June

- WP Preparation Team send updated Template n°2 to Colleges
- Colleges give final feedback to Core Group

Process for the development of work packages – 3/3

July

- Final list of selected wave-1 WPs is issued to get detailed proposals (Template n°3)

From July to September

- Developement of WPs (Template n°3) by WP Preparation Teams

End of September

- Template n°3 final version sent to Core Group

End of October

- Proposal submission

Presentation of WP template

- **WP template n°1** is available in the December communication (can be found on both [EURAD](#) and [PREDIS](#) websites)
  - Word version : available from College representatives

- Proposals should **not exceed 2 pages**

- Ideas to be forwarded **to the Colleges** (no need at this stage to have a proposal supported by more than 1 College – further step)

- **Boundary conditions:**
  - Co-funding
  - Inclusivity : final WP idea need to be supported by at least 5 different Member States - **not needed for WP Template n°1**
  - Recommendation of **max total budget** per WP :
    - 5 million € for a R&D work package
    - 2 million € for a Strategic Study work package
  - Do not disclose any confidential or sensitive information

2 pages WP Template

Left table:

Title			
College	☐ RE	☐ TSO	WMO
Type of activity	☐ R&D	☐ Strategic Study	☐ Knowledge Management
Links with EURAD SRA / Themes (if multiple choices indicate the primary link in bold)			
Links with EURAD Roadmap Domain Insights (if multiple choices indicate the primary link in bold)			
SRA drivers[2]			
Objective (What) – 1 sentence			

WHAT?

**Main info
link with SRA and Roadmap**

Footnotes:
[1] The draft SRA will be available at the provided link early January.
[2] **Implementation Safety:** Contributing to the safe construction, operation and closure of DGRs (and other disposal facilities), ensuring long-term safety.
Tailored Solutions: Supporting the development of tailored solutions for the management of various radioactive waste types in Europe: Working together on scientific, technical, managerial, societal and regulatory issues of common interest and considering the full range of potential disposal solutions and waste groups accounting for IAEA's graded approach and taking economic aspects into consideration. Increasing robustness of approaches by addressing cross-correlations, path dependencies and potential pitfalls in the RWM strategy.
Scientific Insight: Advancing state of the art science in waste management and disposal throughout the waste management chain: Exploratory research in areas with significant uncertainty or in areas with high potential to improve knowledge.
Innovation for Optimisation: Supporting RWM innovation for optimization: Continuously managing uncertainty, improving robustness, reducing complexity and costs and optimizing RWM routes and advancing technology and solutions to meet the needs of Member States.
Societal Engagement: Helping to engage with and maintain mutual trust with stakeholders, and awareness in RWM: Addressing issues emerging from regulatory and societal concerns, fostering transparency and fruitful interactions with Civil Society along all stages of a RWM programme.
Knowledge Management: Enhancing knowledge management and transfer between organisations, Member States and generations: Capturing, maintaining, and efficiently developing skills, knowledge and infrastructure, in view of the long lead-times and the intergenerational dimension associated to RWM.

6

Right table:

Justification: impact / innovation / added-value (Why) – bullet points or short paragraph	
Short description: outcomes / tasks (How) – bullet points or short paragraph	
(Optional - Explain what is out of the scope ?)	
List of preliminary interested organisation in the College	
If applicable - links with previous projects / work packages	
Main contact (name, email, phone number)	
Additional information	Do you plan to attend the EURAD-2 Focus Funnel event – or can you indicate someone who could attend to represent this proposal?

Links:

EURAD Roadmap: https://www.ejp-eurad.eu/roadmap

EURAD SRA: to be available early January 2023 under this section of this EURAD website:
https://www.ejp-eurad.eu/publications

Callout boxes:

WHY & HOW?
Short justification and Work Description

WHO?
Interest and contact information

1st page – WHAT ?

Title	Mechanical AGeIng of Cementitious materials exposed to coupled disturbances		
College	☑ RE **x**	☐ TSO	☐ WMO
Type of activity	☑ R&D **x**	☐ Strategic Study	☐ Knowledge Management
Links with EURAD SRA / Themes (if multiple choices, indicate the primary link in bold)	☐ Programme Management (Theme 1) ☐ Pre-disposal (Theme 2) ☒ Engineered Barrier Systems (Theme 3) ☐ Geoscience (Theme 4) ☐ Disposal facility design and optimisation (Theme 5) ☐ Siting and Licensing (Theme 6) ☐ Safety Case (Theme 7)		

If a proposal is already supported by more than 1 College, please submit it to each College

Consult the SRA, mark all options applicable and indicate in bold the primary link to the SRA

1st page – WHAT ?

Links with EURAD Roadmap Domain Insights (if multiple choices, indicate the primary link in bold)	3.3.2. Backfill		
SRA drivers[2]	☒ Implementation Safety	☐ Tailored Solutions	☒ Scientific Insight
	☒ Innovation for Optimisation	☐ Societal Engagement	☒ Knowledge Management
Objective (What) – 1 sentence	Get an improved and shared understanding of chemical and mechanical ageing of cementitious materials exposed to different disturbances in the near-field system (from the waste package to the backfill/massive plug of the disposal facility)		

Consult the Roadmap, if more than one DI, indicate in bold the primary one

Drivers described in SRA

1 sentence

2ⁿᵈ page – WHY and HOW? Short justification and work description

Justification: impact / innovation / added-value (Why) – bullet points or short paragraph	Work focused on: • Cement-based as backfill materials. Further understanding required to Support its use of longer-lived wastes • Low-pH concrete as sealing material: option retained by several MS to limit swelling clay disturbance. NO sufficient Knowledge available • Cementitious materials as conditioning matrices. Long-term behaviour, stability under irradiation, leaching performance are needed for their use as conditioning matrix.
Short description: outcomes / tasks (How) – bullet points or short paragraph	• Development of lab and in situ exp. Aimed at identifying mechanical behaviour of concretes due to varios stresses • Development of multi-scale models • Improved quantification and understanding of cement based material evolution… • Provide opportunity to all actors to develop a common approach, methodology and result sharing
(Optional - Explain what is out of the scope ?)	

2nd page – WHO? Interest and contact information

List of preliminary interested organisation in the College	CIEMAT, GRS, NRG, VUJE, SURO
If applicable - links with previous projects / work packages	CEBAMA
Main contact (name, email, phone number)	Mr/Ms. X Email phone
Additional information	Do you plan to attend the EURAD-2 Focus Funnel event – or can you indicate someone who could attend to represent this proposal?

List only organisations who have participated and given consent in the writing of this proposal.
First within your College and if applicable within another College.

The number of organisations listed will not be considered at this stage as a criteria for ranking the proposals.

Frequently Asked Questions

FAQ – Extract from December 2022 public communication – 1/2

How do I get info on EURAD-2?

We invite you to check the communications from Core Group and to follow EURAD-PREDIS web pages for future communications.

What if the WP topic I want to pursue is not in the SRA?

All WPs need to show linkage to the EURAD-1 SRA and Drivers. The SRA update has been ongoing via the Colleges for all of 2022.

Who do I contact to go forward for being involved?

The single-entry point are the College representatives. All participants voice their views via the Colleges, who communicate to the Core Group.

When does it start? How long does it go?

The process of defining EURAD-2 is ongoing, with the WP selection expected in spring 2023 (see Core Group communication October 2022 for more detailed information and time schedule). EURAD-2 programme will start in autumn 2024 and will be running for 5 years.

FAQ – Extract from [December 2022 public communication](#) – 2/2

Where do I send my WP idea to?

WP ideas are collected separately by the 3 Colleges in January-February 2023. The template and instructions are provided the [December communication](#). It is important to talk with your other College members to gain sufficient support of ideas.

How detailed a plan do we need for the WP idea now due in February 2023 to the Colleges?

The template and instructions are provided in the [December communication](#), targeting 1-2 pages max. More detailed WP descriptions will be developed for the top ideas in spring/summer 2023.

What if I have extra questions?

You can email any Core Group member or your College representatives for clarifications. All questions will be added to the FAQ list, to be addressed in future Core Group communications.

FAQ – Introduction (A)

A-1 - Will there be the same system of EURAD-1 with Mandated Actors and Linked Third Parties (called Affiliated Entities in EURAD-2 draft call)?

This can only be answered after the EC call publication, and will be described by the Core Group governance protocols by April 2023. Mandates would be needed by the National Programme Owners, following a prescribed template from the Core Group.

A-2 How and from who can I get a mandate? From who? When?

The Core Group will provide a template to solicit from your national Programme Owner a mandate to participate in EURAD-2 as a beneficiary. Signed letters are needed around April 2023. If you do not know the contact point, the EURAD and PREDIS coordinators can assist you.

A-3 What happens to potential partners from Switzerland and UK?

This is defined by the EC (https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf). In general these parties can be providing "in-kind" contributions, and further info to be provided by the Core Group in spring 2023.

A-4 How can I participate if I am outside of Europe?

These parties are most welcome, with "in-kind" contributions having added value to the WP.

FAQ – Introduction (A) – NEW

A-5 Thank you for your presentation on the SRA Valéry. You indicated that additions from the KM WPs were screened and added in Step 4 of the SRA update. Please can you clarify how recommendations from the SS WPs have been factored into the update? I am thinking of recommendations feeding in from e.g., the ROUTES cross-WP workshop held in early December 2022. Was this done at the same time as integrating recommendations from KM WPs?

The input from ROUTES was considered end of December 2022 in the draft SRA (based on the outcomes of the workshop you refer to). The consideration of the UMAN input is still ongoing. The work to finalize the integration of these ROUTES and UMAN inputs is thus still not finished (will be finalized in the next version foreseen in February 2023). In particular we are still trying to consolidate further the SRA topics, without losing the input received for instance from ROUTES and other SS / KM WPs.

FAQ – Scope (B)

B-1 How many WPs are there going to be? How many partners and size?

We anticipate about 20-25 WPs total, over the 5 years duration. We expect in the order of about 65% of budget towards R&D, which is about 16 WPs total over 5 years, at a total budget of 5 M€ each (EC contribution 50%). Strategic Studies could be approximately 12% of the budget, which is about 4 WPs total over 5 years at a budget of 1-2 M€ each. Another 12% of the budget will be towards Knowledge Management, and 10% towards management. It is anticipated that not all WPs will commence from the start (2 wave principle).

B-2 Who will pay for me and how much will I get?

EURAD-2 is a programme based on co-financing. We anticipate that the EC budget covers 60% of the total programme. The Core Group recommends rates so that R&D WPs will require 50% co-financing (direct costs*) to be arranged by the partner themselves and have commitment prior to the programme starting (autumn 2024). Strategic Studies, Knowledge Management and Programme Management are recommended to be funded at 100% (direct costs*). The budgets will be approved by the Colleges (summer 2023). Reminder that a typical R&D WP may have a budget of 5 M€ and roughly 20-30 partners.

*Reminder: EC contribution= % of direct costs + indirect costs (flat rate of 25% calculated on direct costs, excl. subcontracting)

FAQ – Participation (C)

C-1 What if I am not selected to contribute to a WP? (due to scope and budget focusing cuts)

Participation will be based on qualification criteria, defined by the EC requirements and Core Group guidance. Selection is based on "value-for-money" principle supporting the WP goals. If not selected to be in a WP, it is always possible to follow EURAD-2 via the Stakeholder group. There will be the option for new WPs in the wave 2, to which everyone is again eligible.

C-2 Can I join later? What if I cannot get in at the start?

Yes, EURAD-2 strives to continuously engage new potential contributions. New partners can come in during wave 2.

C-3 What if I just want to follow the project but not contribute work?

Welcome to register to a Stakeholder community for access to public events, newsletters and discussion groups.

FAQ – Participation (C) - NEW

C-4 In the participation rules it was stated that all Beneficiaries need to be part of a College. How do you (as an organization) become part of a college?

All interested parties should be in contact with the College Representatives (see slide of contact information in Summary Conclusions). See also December 2022 Core Group Communication Q&A list (slides #72 and 73), and Q&A D3 (on slide #82).

C-5 Can/Should affiliated entities join the Colleges? What if the affiliated entity is better aligned with one College different for the College of its reference Mandated Actor?

Yes. Every participant is encouraged to be in a College, even if their Mandated Actor is a member of a different College.

C-6 Is it possible that a small enterprise (SME) doing research activities can participate? In this case, should it be considered a RE? What should it do to become an affiliated entity?

Yes. Research providers, including companies of any size, are typically a member of the RE College. Guidance about becoming an Affiliated Entity will be described via the Colleges in April 2023.

FAQ – Participation (C) - NEW

C-7 Concerning the Affiliated entity: ...must be pre-existing and must longer than the duration of EURAD-2. The agreements, collaboration agreements can't be longer than 4 years, then how can be demonstrated that one of them started, i.e in 2023 will last beyond 2027?

Guidance will come from the Core Group about how to arrange Affiliations for interested parties who do not yet have a pre-existing link or for durations that span the whole EURAD-2 duration. This guidance will come in April 2023.

We recognize that not all organisations have such pre-existing links, but EURAD-2 strives to have inclusiveness for all. As long as the organisations can demonstrate the recurrence over time of the collaboration, then this has been accepted by EURAD-1 and the EC. The final approval about the Affiliation is decided by the EC office.

FAQ – Participation (C) - NEW

C-8 What about the overall structure: Bureau/ PMO, EAB, GA... will this be similar to EURAD1? What about role of regulators? End-users? What is the role of end users in the process? link to national programmes ?

This question on Governance structure and roles cannot be answered until official publication of the EC call text (expected February 2023).

In April 2023 the Core Group will then make a recommendation to the Colleges regarding the Governance structure, after having the official EC call text and considering feedback received in Position Papers from Stakeholders (developed in the Colleges during Quarter 4 of 2022).

FAQ – Participation (C) - NEW

C-9 Can you help me to find out or give me the contact of the coordinator member in my country?

We will provide guidance about getting Affiliations from the National Governments (contact point) only after we have the EC Call open and we have the template ready for solicitation. This is expected in April 2023. We do not want to burden the Member State contact points with a flood of emails now, before the Call and EURAD-2 Governance plan is ready.

C-10 Is Norway an Associated Partner like the UK and Switzerland ?

Norway only signed an association agreement for the Horizon Europe programme but not for the Euratom programme. So far, neither the UK nor Switzerland are associated to Euratom. Therefore, Norway is for now considered as an Associated Partner.

C-11 Can a LTP participate to a given WP despite its mandate institution does not participate to that specific WP?

YES. The distribution of work inside the WP is not linked to the Mandated Actor but is based on the partners' competences and best value for money.

FAQ – Implementation of WP (D)

D-1 Who will decide the first WPs (wave 1)?

The Colleges make the decisions. The CG will make a suggested grouping based on the first ideas from the Colleges. This will then be iterated by the Colleges, to reach consensus on which WPs go forward. This will be an important topic for the Focus Funnel (FF) event in Cyprus March 16 afternoon-March 17. Final decision of the wave 1 WPs by June 2023.

D-2 Who will decide the WP partners and budgets?

The overall amount of WPs and budget per WP category is approved by the Colleges. Each WP will have a WP Preparation Team (with 1 appointed representative from each college) for planning. The Preparation Team will solicit ideas for contribution, assess added value, plan tasks and deliverables and distribution of budget per tasks and partners. The Core Group will provide support and guidance to the WP Preparation Teams for this process. The WP Preparation Teams will make a recommendation of the WP for approval of the Colleges.

D-3 Even if I am not leading a WP, how do I make sure that I can contribute?

Be sure to follow the development of the WP topics within the College, where you have clear value proposition of what you would like to contribute. Once the WPs are selected (June 2023), be in contact with the WP Preparation Teams.

FAQ – Implementation of WP (D) - NEW

D-4 Can Associated Partners submit proposals, or only Mandated Actors?

Anyone, via the Colleges, can submit WP idea proposals using Template #1.

D-5 Is there a limit on the number of proposals that one organization can submit in different areas of activity (R&D, StS, KM WPs)?

In principle, no limit. But we recommend being realistic within the College discussions, as each College need to prioritise topics put forward by 28.2.2023 to the Core Group.

D-6 What are the deadlines for the submission of the template #1 to the different colleges?

Each College has its own schedule for when WP Template #1 should be submitted, sometime in February. Be in contact with your College representatives to know the detailed schedule. The College leadership submits their top ideas to the Core Group by 28.2.2023.

FAQ – Implementation of WP (D) - NEW

D-7 I hope I've not misunderstood anything but from what I gather we need to reference the SRA (published end Feb) in the WP template (end Feb too). Will there be a space of time to review the final SRA before submitting, or do we work from draft?

The SRA Themes are the same ones as the Roadmap. Please refer to the EURAD Roadmap, as the publication of the SRA will be slightly delayed, target March 2023 to be available on the EURAD and PREDIS web pages.

D-8 Looking at the Themes and Roadmap Domains listed in the draft SRA update, it is clear that many require a multidisciplinary approach. So is it correct to assume that also more social science and humanities oriented ideas for WPs can be proposed for EURAD 2?

We are welcoming of any types of WP ideas. The Colleges will decide on the prioritization based on the fulfillment of the EC Call objectives and founding documents of EURAD-2.

D-9 Is it possible that a WP include a "mix" of both R&D activities and strategic studies for instance? Meaning that part of the WP would be co-funded at a 50% (for R&D part) and the other part funded at a 100% (for the SS part)? or should we separate these activites into different specific WPs?

When the final WPs are selected (by the Colleges), each individual WP will be allocated as either R&D (50% direct costs co-fund) or Strategic Studies (100% co fund target). During the early stage of WP suggestion (Template #1) it is OK if it is not known yet as either one so that further discussion in and between the Colleges will decide. Interaction between various WPs is highly encouraged.

FAQ – Implementation of WP (D) - NEW

D-10 To be eligible as a SS for EURAD-2 it has to have as output identification of R&D needs on the topic addressed?

The Core Group will give descriptions of expected impact and outcomes from both R&D and Strategic Studies (StSt) in the WP Template #2 guidance (April 2023). The definition and clarification between R&D activities compared to Strategic Studies is in the founding documents Deployment Plan of EURAD-1. (see https://www.ejp-eurad.eu/deployment-plan)

D-11 To show our interest in knowledge management we have to my understanding to present a two pages proposal, showing also the links to the SRA drivers. Does this procedure also comply if we want to show our interest in the strategic research studies?

Knowledge Management work package(s) (WP) preparation will be done by a KM Committee appointed by the Colleges (later in Spring 2023). At this point we are not soliciting contributing parties/institutes to the KM efforts. We are focused on developing the technical R&D and Strategic Studies activities. If new actions/tasks that would fall under KM are suggested, then the WP template can be filled. WP Template #1 is focused on collecting ideas on WHAT needs to be done and not on WHO contributes to the activities. The differences between technical R&D, Strategic Studies and KM are defined by the EURAD-1 founding documents, see https://www.ejp-eurad.eu/deployment-plan

FAQ – Implementation of WP (D) - NEW

D-12 What is the connection between the template #1 and the Excel file that TSO received from Valéry Detilleux where we should include ideas for WPs?

There is no connection. Interested parties should propose WP template #1 to the College. Note that each College has their own method of collecting and sharing WP ideas among their members. The TSO College (SITEX.Network, coordinator Valéry Detilleux) has issued an Excel for the TSO group members.

D-13 How do we disseminate WP-proposals between Colleges (e.g. some of the WMOs may want to support or participate in a WP-proposal from the REs, but are currently unaware of it)?

The first stage is that an institute's WP proposal is supported and prioritized by its own College. The College then makes a listing by 28.2.2023 to the Core Group. The Core Group facilitates the sharing of WP ideas via the Focus Funnel event (with active participation from all Colleges) and establishment of the WP Preparation Teams (with a representative from each College). The Core Group intends to share a list of the three Colleges' recommendations of the WPs in March (before the Focus Funnel).

D-14 Are there any plans to try to ensure that the work package topics that make up EURAD-2 are well distributed across the broader EURAD-2 scope (e.g. all waste types and disposal solutions) and in some way linked. A step back and look at the programme as a whole now might help the future integration of the WPs.

YES. The Core Group will provide guidance (April 2023) with the Work Package Template #2 about the eligibility and criteria for WP selections, which includes diversity of the work in accordance with the EC call. The Core Group will make recommendations of the WP grouping, and the Colleges evaluate and approve the final selection of the WPs, also respecting the targeted diversity of EURAD-2.

FAQ – Implementation of WP (D) - NEW

D-16 What is the maximum total budget for KM WPs?

Knowledge Management (KM) will have a committee facilitated by the Core Group to plan the scope. The total KM budget is anticipated to be 12% of the partnership budget (target 7-8 M€) over the 5 years. (see Q&A B-1)

D-17 Is the cost of associated partners included in the 5M€uros, or can it be counted on top of this "limit" ?

Associated Partners (such as from UK and Switzerland) will need to define the budget and effort contribution to the WP. They are not eligible for EC funding (i.e. reimbursed costs from EURAD-2 effort). For the final programme submission, costs of Associated Partners are added "on top" of the EURAD-2 budget. No information about budgeting is required for WP ideas on Template #1. Note that the budget(s) per WP will be decided in summer 2023. The Core Group suggestion of 5 M€ budget per technical WP is only a rough recommendation. The actual budget allocation per WP will be decided by the Colleges based on the proposal criteria.

FAQ – Implementation of WP (D) - NEW

D-19 Should all of the R&D WPs start in the first wave, so that they can be 5 years in length?

No, WPs of varying length and duration are encouraged. Also, it is anticipated that not all WPs will start from the onset of the programme in Autumn 2023, see the two-wave principle (see Q&A B-1), similar to EURAD-1. The split of wave 1 and wave 2 budgeting will be decided in spring-summer 2023

D-20 EURAD-2 could fund half of a post doc or PhD position?

Yes. It will be possible to fund post-doc or PhD positions in EURAD-2. The effort per partner is decided within the WP committees in Summer 2023. Involvement of next generation staff is highly encouraged

FAQ – Other (E)

E-1 When are we going to hear more?

Each month the Core Group meets and publishes a communication with a week. These are distributed to EURAD and PREDIS partners. Additional communications are occasionally made public via the project web pages.

FAQ – Other (E) - NEW

E-2 Will it be possible to use funding from EURAD WPs to pay for the Colleges' fee? The Universities pay platforms fees but not Colleges.

EURAD-2 eligible costs of partners are for work provided to the WPs and described in the Grant Agreement.

Colleges organisations (WMOs via IGD-TP, TSOs via SITEX.Network, REs via EURAD-Science) are set up as independent registered associations, and their individual internal funding models of these 3 College organisations is up to their own organisational charter.

It is not yet decided by the Governance plan of EURAD-2 about funding allocation from the Project Management Office (PMO) to College activities that support the partnership implementation, such as in the Bureau roles.

FAQ – Other (E) - NEW

E-3 Can you please explain, how the "focus funnel" works ?

The public Focus Funnel (Cyprus, March 16-17, 2023) will start with an overview from the Core Group, followed by parallel rooms for technical pitching/discussion. The rooms are arranged according to the EURAD-1 Roadmap themes. The Core Group will invite the presentations in early March based on groups of the suggested future Work Packages (supplied by the Colleges to the Core Group by 28 February 2023). All College representatives will have the opportunity to share about the WP idea, and then the audience will have the opportunity to raise comments and ideas. More information about the Focus Funnel event will be provided to the Colleges within the next 2 weeks (by 1 February 2023). Registration is already open. See slide and chat in the Conclusion portion of the webinar for the registration link.

E-4 What is the time schedule for the Focus Funnel ? Would it possible for anyone to attend this meeting?

The EURAD-2 Focus Funnel is open to everyone. It is anticipated to start at 3.30 pm on Thursday 16 and to end at 2 pm on Friday 17 March, 2023.

Conclusion

Summary and next steps

- **Slides will be available by early February on EURAD and PREDIS websites**

- **Stay tuned:**

  - EURAD-2 Focus Funnel (in-person event) – 16-17 March 2023 in Larnaca, Cyprus

    - Airfare / Hotel pre-arranged prices are available via the following link: https://cyprusconferences.org/eurad2023/

  - EURAD-2 public webinar #2 (online event) – 11 July 2023

- **Get familiar with the draft EURAD SRA**– to be released by February 1st on EURAD and PREDIS websites

- **Register to your Colleges to have all information**

Click here to Register – EURAD-2 FF

Click here to Register – Public webinar #2

Who to contact ?

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Thank you for your attention