



EURAD-2

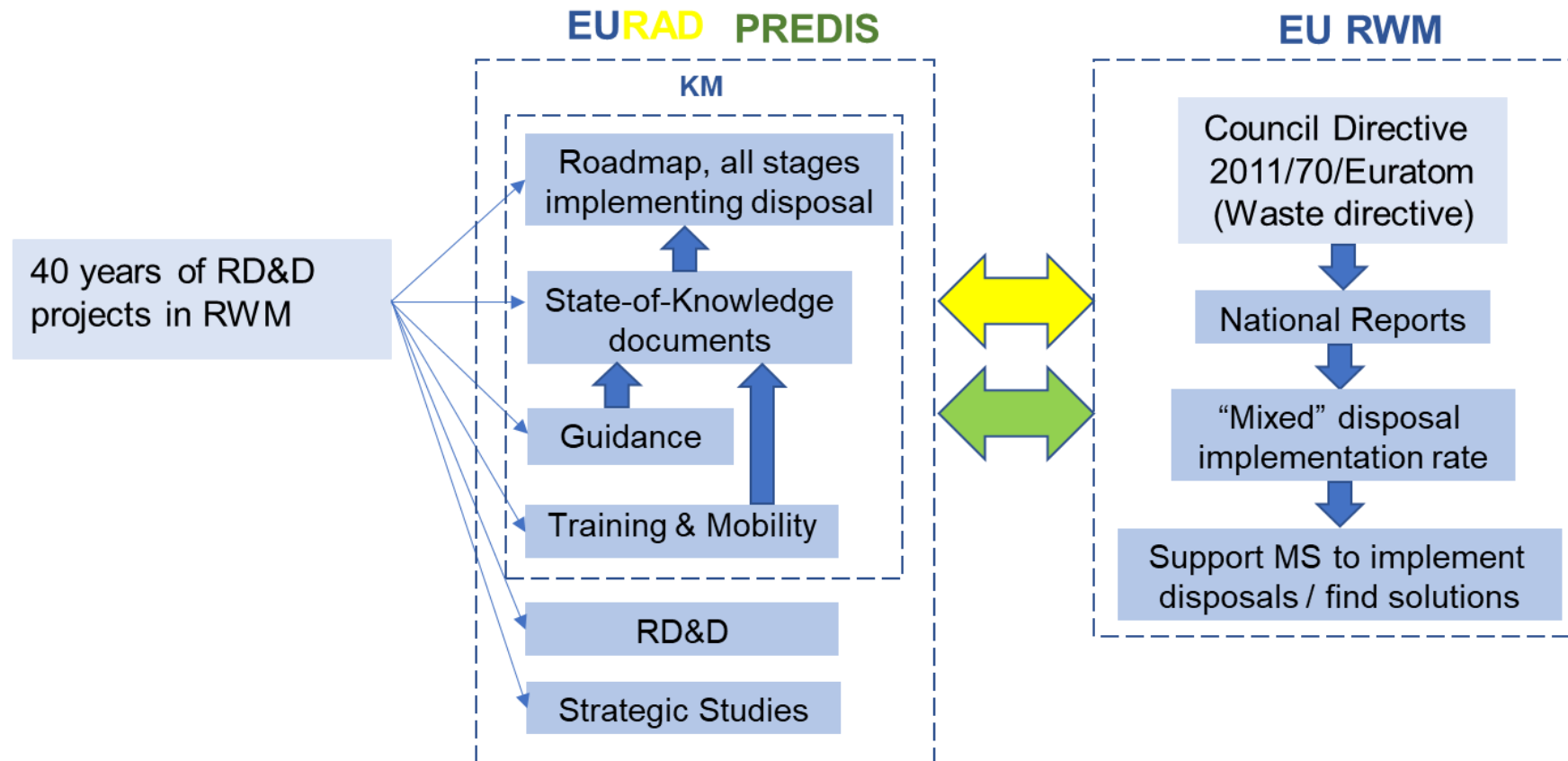
KMC INPUT

Webinar, 31st August 2023

WELCOME & AGENDA

- 10:00h Welcome, Objectives and Practicalities (P. Carbol & A. Valls)
- 10:05h KMC Presentation
 - Knowledge Management Committee (A. Valls)
 - Position Paper (J. Miksova)
 - Potential activities (A. Tatomir)
 - Task 2 for R&D and StSt WPs (A. Tatomir)
- 10:30h Break out room Session (P. Carbol & A. Valls)
 - Lessons learned from EURAD and PREDIS
 - Suggestions for activities to be implemented in the Knowledge Management Program in EURAD-2
- 11:00h Break out room: Outcome summary (P. Carbol)
- 11:30h Open discussion (A. Sjöland)
- 11:50h Summary of the webinar, next steps and closure (A. Valls)
- 12:00h End of the webinar

INTRODUCTION



INTRODUCTION

Enhance knowledge management and transfer between organisations, Member-States and generations:

- Preservation/capitalisation of generated knowledge – Make sure that the publicly financed knowledge generated over the past, ongoing and future RD&D activities are preserved and kept accessible
- Transfer of knowledge from advanced to early-stage RWM programmes – Make sure that Member-States with National Programmes at an early-stage of implementation can take advantage of existing knowledge and know-how from the Member-States with advanced National Programmes, to access state of the art, and to ease access to knowledge developed during previous EC supported RD&D projects
- Transfer of knowledge between generations – Ensure that the necessary expertise and skills are maintained through generations of experts in view of the long lead-times and operational times-spans (several decades) for RWM, including disposal, by providing training and mobility for researchers
- Dissemination of knowledge – Disseminate and demonstrate progress, results and added-value of the European Joint Programme to a wider audience

PRACTICALITIES



Status of the KM Program



Time schedule and Feedback

- Webinar (today)
- Position Paper (begin. Sept)
- Feedback (1-13th Sept.)
- KMC Meeting (18-19 Sept.)
- 1st Proposal draft (end Sept.)



Discussion and feedback (break out rooms)

- Lessons learned from EURAD and PREDIS
- Suggestions for activities to be implemented in the Knowledge Management Program in EURAD-2
- Practicalities...
 - *20 minutes + wrap up*
 - *2 KMC members in each room*
 - *Same topics to be discussed*
 - *Randomly distribution*

OBJECTIVES

1. Inform on the objectives and **status of the development of the KM Program** for EURAD-2
2. Process of involvement, **discussion and feedback** on:
 - Lessons learned from EURAD and PREDIS
 - Suggestions for activities to be implemented in the Knowledge Management Program in EURAD-2
 - Time schedule
3. Feedback on **interest to participate** in the operation of the KM Program

KNOWLEDGE MANAGEMENT COMMITTEE (KMC)

- KMC stands for **Knowledge Management Committee**
- Established on the recommendation of the EURAD-2 Core Group
- Members nominated by their colleges

Role

- To provide recommendations to the Core Group on how to establish KM in EURAD-2
- Nominated members are representatives of their respective College and do not represent the view of their institutes and/or countries

KMC MEMBERS



Paul Carbol (JRC)



Waste Management Organisations, (WMO)

- Alexandru Tatomir (BGE)

Supported by:

- Anders Sjöland (SKB)



Research Entities (RE)

- Gunnar Buckau (KIT-PTKA)

Supported by:

- Alba Valls (Amphos21)
- Niels Belmans (SCK CEN)



Technical Support Organizations (TSO)

- Jitka Mikšová (SURO)

Supported by:

- Christophe Debayle (IRSN)
- Kateryna Fuzik (SSTC NRS)

PROGRESS OF THE KM PROGRAM

POSITION PAPER, POTENTIAL ACTIVITIES, TASK 2 FOR R&D AND STST WPS



POSITION PAPER

Background:

- importance of KM in the nuclear energy industry and related research worldwide
- capturing and transferring KN over the generation, large target groups, different needs and tools accessible, different resources available
- LT implementation and licensing process associated with back-end of NFC, main focus on geological disposal

PoP objectives:

- To inform about main development of EURAD-2 KM programme, based on the EURAD /PREDIS KM programmes feedback
- KMC worked on lessons learned within EURAD/PREDIS, analysed through SWOT analysis
- Main question to be answered:
 - What should stay the same from EURAD and PREDIS?
 - What recommendations are there to change from EURAD and PREDIS?
 - What are the priorities? (e.g. production of documents, sharing of facilities, trainings, mobility´s of researchers, guidance,..)

SWOT - STRENGTHS, WEAKNESSES, OPPORTUNITIES, THREATS

Strengths:

- Progressive harmonization
- Broad access and integration of wide set of experts
- Needs and quality driven programme
- Flexibility, learning by doing
- Engagement and involvement of users

Opportunities:

- Better and/or more efficient strategy and structure of surveys
- Develop a long term vision for KM Programme
- Adapt interaction and/or communication tools towards young generation and other interested communities

Weaknesses :

- Relation to the MSs national programmes unclear
- Difficulties to estimate HR requirements for different activities
- Need for better interaction between R&D and StrSt WPs, partners and KM programme activities
- Administrative challenges in engaging external experts

Threats:

- Lack of driving force in ESP, being beyond the influence of the KM programme
- Lack of interaction with EU may result in outcomes and not matching the EU needs and interests
- The sustainability of the outcome beyond the implementation of EURAD and its successors remains uncertain.

Q1: WHAT SHOULD STAY THE SAME FROM EURAD AND PREDIS?

- Flexibility of the technical / administrative management of knowledge and activities
- Continue to use and improve on developed methods for systematically gathering end-user feedback
- Continue and improve development and organising knowledge transfer activities of different levels for various target groups of end-users (for example, e-learning, training courses, mobility ...).
- Continue to involve End-Users in the KM activities
- Better guidance of Knowledge Capture
- Improve support to Communities of Practice and the Student Group
- Foster transparency and improve accessibility by sharing knowledge with civil society remains crucial.

Q2: WHAT RECOMMENDATIONS ARE THERE TO CHANGE FROM EURAD AND PREDIS?

Overall recommendations with the classical elements of Knowledge Management remain for EURAD 2

New activities and working methods supported by the KMC representatives from the three Colleges:

- Stronger systematic linking between KM WP and R&D/Strategic Studies WPs + better integration of the KM activities
- Support for inovation - a number of feasibility studies (respecting limited resources and time of performance) in order to assess the feasibility of a proposed activity that could later be opened up for full implementation or refused.
- Support of Training – e-learning tools from DI, SoK, SotA and Policy Documents, their combination with existing/inovative tools
- Broaden the set of target groups and/or communities
- Support of sustainable network at a European level of labs and technical installations
- Support to Database Management, where Databases with a relation to KM are targeted, i.e., in particular databases that are part of the Knowledge Capture under R&D and StSt WPs
- Extending Student Group activities by Career Development tracks + Establishing mentoring programme

Q3: WHAT ARE THE PRIORITIES?

Priorities are given to activities in EURAD/PREDIS that have given positive feedback and have fulfilled the end-users' needs.

KMC recommends establishing a EURAD-2 KM programme along four main topics:

- **Knowledge capture** (establishing and updating Domain Insights and State-of Knowledge documents; corresponding to EURAD WPI 1: State-of-Knowledge)
- **Knowledge transfer** (competence building and mobility actions; corresponding to EURAD WPI 3: Training and Mobility)
- **Knowledge application & Know-How development** (establishing Guidance; corresponding to EURAD WPI 2: Guidance)
- **KM Programme administrative management** (coordinating KM activities with international organisations, handling overarching internal EURAD-2 KM initiatives, supporting student's group activities, etc.)

POTENTIAL ACTIVITIES

Topics	Sub-Topics
Knowledge Capture	Establishing/Reviewing/ Updating Domain Insights
	Establishing and up-dating State-of-Knowledge and State-of-the-Art Documents
	Establishing documents with a broader background, in particular for "nuclearization of experts" from other disciplines and young students training
	Data base management support
	Preventing loss of knowledge for down-prioritised topics or topics presently in pending mode (examples could be capturing the knowledge concerning colloid mediated transport, natural organics, where great efforts have been invested in the past, not presently prioritised, and where experts are retiring or leaving the field for other reasons).
	Documenting outcome of previous Framework Programmes

POTENTIAL ACTIVITIES

Topics	Sub-Topics
Knowledge Application & Know-how development	Establishing Guidance documents
	Establishing Policy Documents / Statements
	Glossary, including elaboration upon non-singular definition based upon different objectives by different End-User Groups/Communities
	Good practices on selected Case Studies
	Student Group Support & Career development
	Establishing sustainable network of labs that could be used by all European partners
	Feasibility Study on Needs for Nuclearization of experts from other disciplines.

POTENTIAL ACTIVITIES

Topics	Sub-Topics
Knowledge Transfer RWM School	Training, including broadening the spectrum of involved End-Users
	Mobilities
	Supporting CoP and networking
	Establishing E-Learning tools from DI, SoK, SotA and Policy Documents
	Feasibility Study on “Innovative Tools for Establishing interaction, exchange and knowledge transfer with less scientific-technical communities
	Feasibility Study on “European University on Radioactive Waste Management”

FEASIBILITY STUDIES

- **Feasibility Studies** serve the purpose of **assessing new and innovative KM ideas** in order to take decisions concerning actual implementation of such KM activities.
- Reach out for **KM innovative ideas**
- Based on experience gained in **EURAD**, **new innovative ideas should not be initiated without a proper assessment**
- Feasibility-Studies should address amongst others **cost benefit**, the **implementability**, the **complementary** nature with other activities. Prior to initiating innovative KM activities following questions need to be answered:
 - What is the **target group** and is there sufficient interest in the target group?
 - What are the **human and financial resources** required?
 - Is the expected outcome and probability of success in favor of initiating the activity?

INTERACTION WITH R&D AND ST. ST.

TASK 2 – KNOWLEDGE MANAGEMENT

- KM is an integral part of EURAD-2
- **Goal:** capture knowledge relevant for the SRA topic of this WP and to contribute to knowledge transfer to the EURAD-2 community and beyond through the EURAD-2 KM programme.
- **Task 2 Leader :**
 - organise **cooperation between the WP** and all relevant parties involved in KM activities in EURAD-2 (representatives of KM WP(s), Task Leaders of current WP, other WPs, etc.).
 - promote individual **students' involvement** to the WPs R&D activities, participation to relevant **dissemination events** (conferences, workshop, webinar and meetings) and **trainings, mobility, networking**.
- Subtask 2.1: Knowledge Capture (SotA, position paper)
- Subtask 2.2: Knowledge Transfer (e.g., online training, face-to-face training, e-learning materials, workshops, etc.)
- Subtask 2.3: Optional Additional KM activities (depending on the type of WP)

BREAK OUT SESSION

FEEDBACK



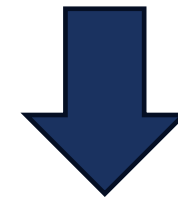
BREAK OUT SESSION

- 4 break out rooms, each moderated by two members of the KMC
 - You will be randomly distributed
 - Each room is moderated by two KMC members
 - Same topics are discussed in all rooms
 - 30 minutes
- At the end, a summary of the main discussed outcomes/ideas/suggestion will be presented from each room (in plenary session)

BREAK OUT SESSION

- Topics to be discussed:
 1. Lessons learned from EURAD and PREDIS
 2. Suggestions for activities to be implemented in the future Knowledge Management Program in EURAD-2
 - How do we make best use of resources?
 - New and innovative activities
 - How to address new target groups

What this means?



BREAK OUT SESSION

Expansion of the KM Program

New target groups

New communication tools

**Successful core activities from EURAD and
PREDIS will remain**

Best use of resources

New technologies

....

New activities

BREAK OUT SESSION

- Outcomes...

OPEN DISCUSSION SESSION



SUMMARY

& NEXT STEPS



SUMMARY

- ❖ Inform on the objectives and **status of the development of the KM Program** for EURAD-2



In the following days, the Position Paper will be public and available in the webpages of EURAD and PREDIS

SUMMARY

❖ Process of involvement, discussion and feedback

- Lessons learned from EURAD and PREDIS
- **Suggestions for activities to be implemented in the Knowledge Management Program in EURAD-2**
- Time schedule

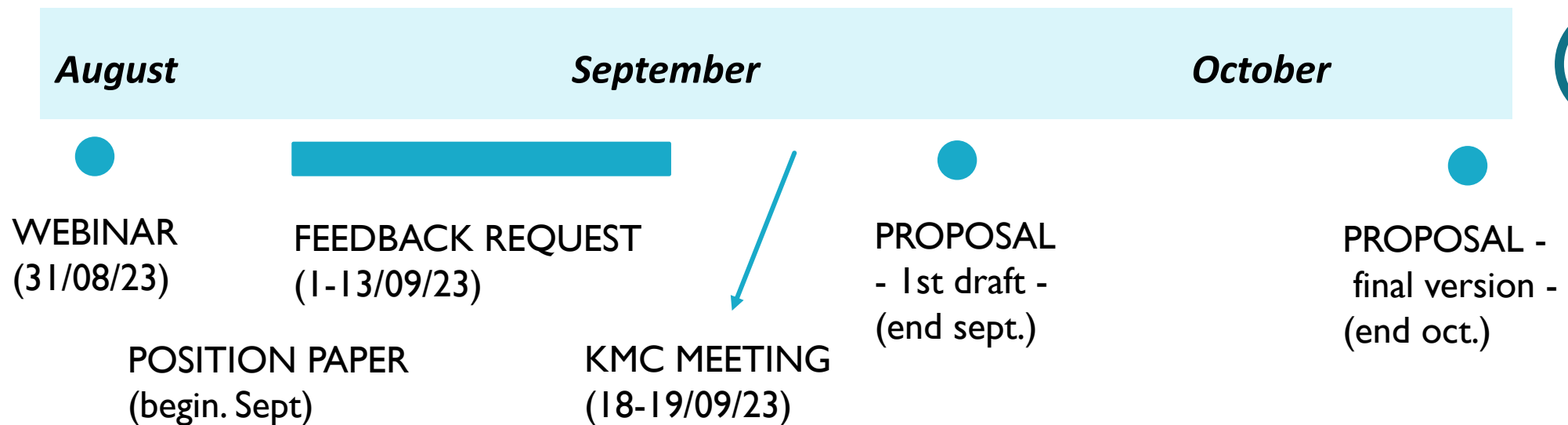


*Your input is highly important
to build up the Knowledge
Management Program*

❖ Feedback on **interest to participate** in the operation of the KM Program

SUMMARY

- ❖ Time schedule for providing feedback on:
 - ❖ **Suggestions for activities**
 - ❖ **Interest to participate** in the operation of the KM Program



SUMMARY

■ Next steps

- 1st September: KMC will send Feedback Questionnaires to Webinar Audience and to College representatives to be distributed to all the community

Suggestion of activities

- As much activities as you consider
- Activities will be discussed within KMC and feedback provided to colleges

Participation operation KMP

- One answer per organization
- Contact name
- KMC will contact you

- 13th September: Deadline for submitting the Feedback
- 18-19th September: KMC meeting



THANK YOU FOR YOUR ATTENTION

KMC MEMBERS

- PAUL CARBOL (EC-JRC)
- ALEXANDRU TATOMIR (BGE)
- ANDERS SJÖLAND (SKB)
- JITKA MIKŠOVÁ (SURO)
- CHRISTOPHE DEBAYLE (IRSN)
- KATERYNA FUZIK (SSTC NRS)
- GUNNAR BUCKAU (KIT-PTKA)
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