



LESSONS LEARNED FROM IMPLEMENTING TRAINING AND MOBILITY PROGRAMMES WITHIN EURAD AND PREDIS

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CONTENT

Knowledge management - Why and for Whom?

EURAD/PREDIS and EU RWM

What is the advantage of EURAD/PREDIS?

KM objectives and structures

Roadmap and State-of-Knowledge (SoK) documents

Lessons learned

Training & Mobility

Lessons learned

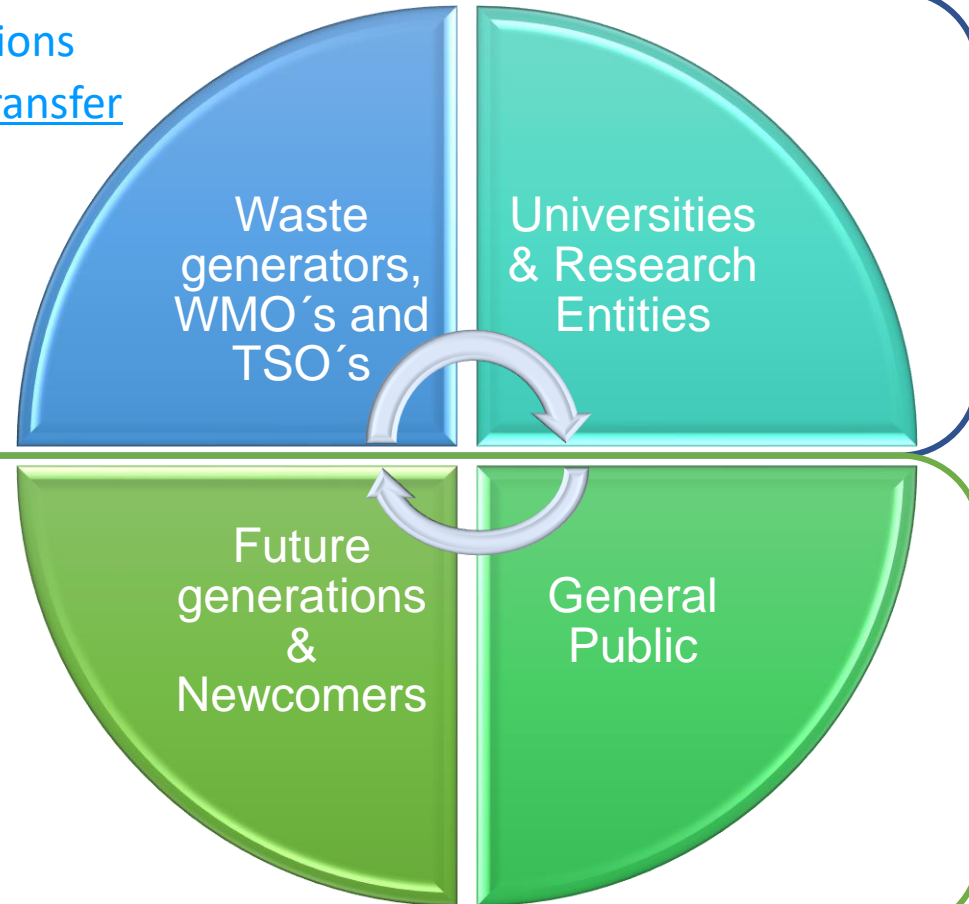
Guidance

Lessons learned

Beyond EURAD and PREDIS?

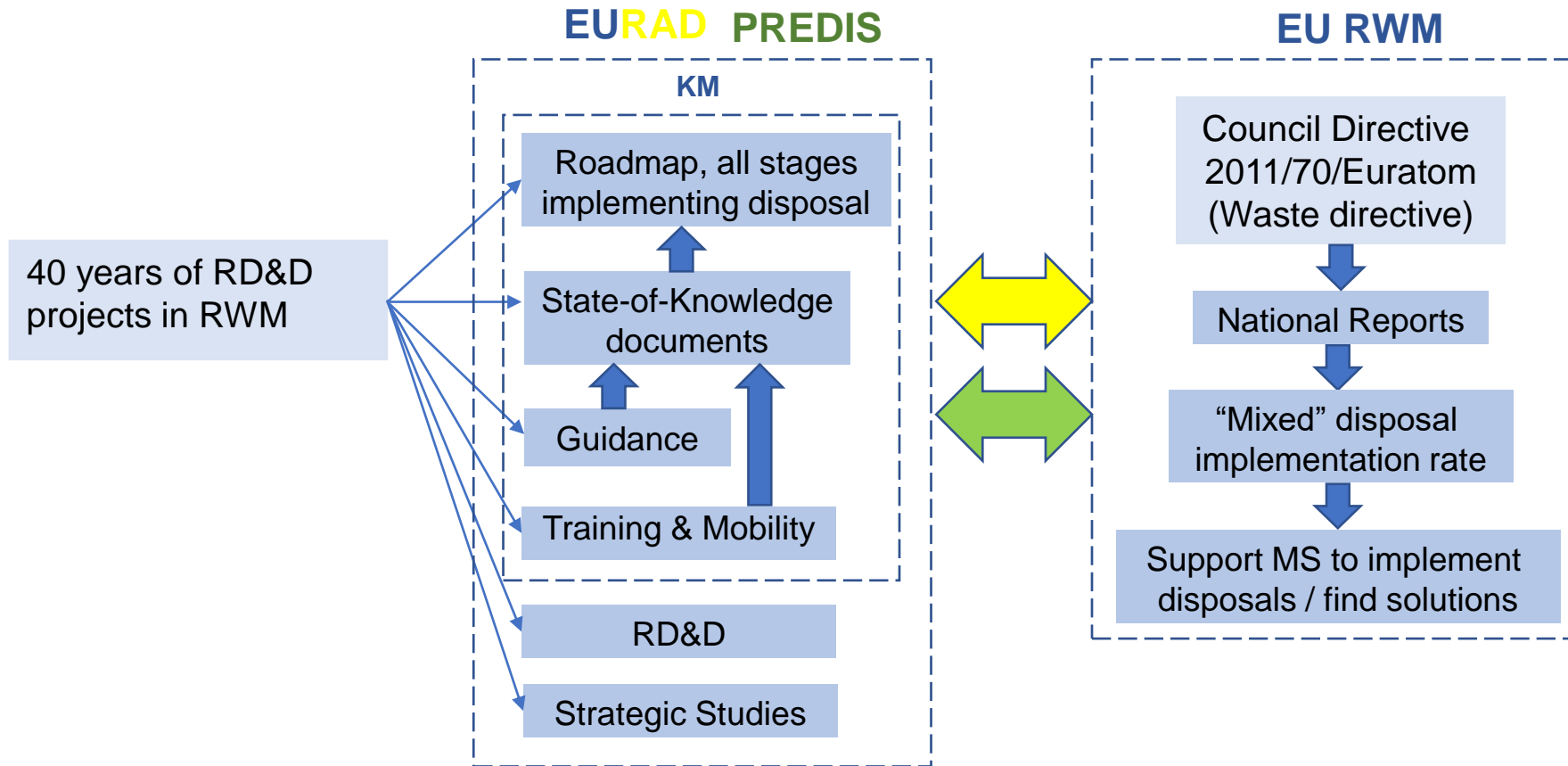
KNOWLEDGE MANAGEMENT - WHY AND FOR WHOM?

1. Preserving the knowledge within organisations
2. Replacement of people and generational transfer
3. Life-long learning:
 - Internal organisational
 - External, from other organisations
 - Identification of knowledge gaps



1. Access to knowledge
2. Development of competences
3. Generation of trust and transparency

EURAD/PREDIS and EU RWM



WHAT IS THE ADVANTAGE OF EURAD/PREDIS?

EURAD/PREDIS has an outmost advantage, compared to individual small projects, as they provide:

- Processes for knowledge sharing, e.g., interaction between the different radioactive waste management (RWM) actors to find out what is already known and what is most useful to investigate further.
- Resources and people to develop new knowledge and / or to support preservation of existing knowledge at risk, e.g., gap analysis, access to experts, networks and communities of practice.
- Tools and technology capable of handling the different forms of knowledge, with a focus on socialising, signposting and aggregating existing knowledge sources.

KM OBJECTIVES

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 is 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 time-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

KM STRUCTURES

Knowledge management in EURAD

Roadmap

A common framework to structure knowledge

State of Knowledge

What we know and why its important

Guidance

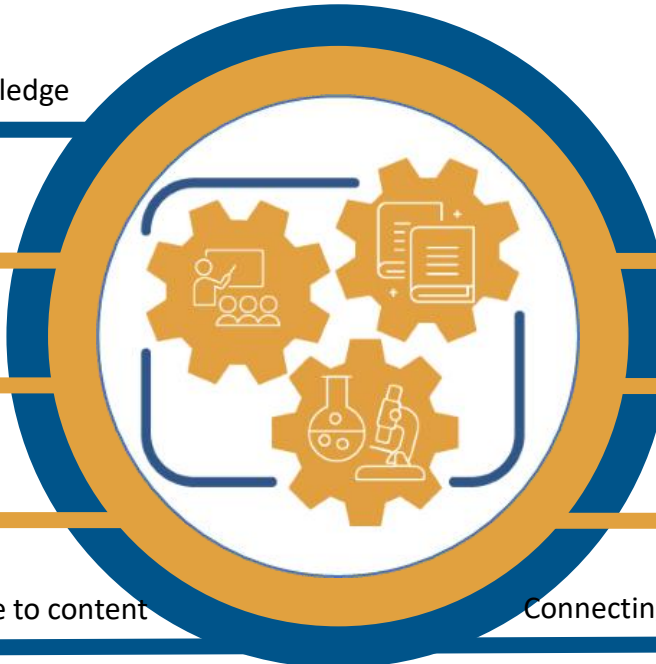
Best practice and lessons learned

Training & Mobility

Nuclear experience and know-how

Networking & Tools

Connecting people to people, and people to content



Knowledge management in PREDIS

State of Knowledge

What we know and why its important

Training

Nuclear experience and know-how

Mobility

Nuclear experience and know-how

Networking & Tools

Connecting people to people, and people to content

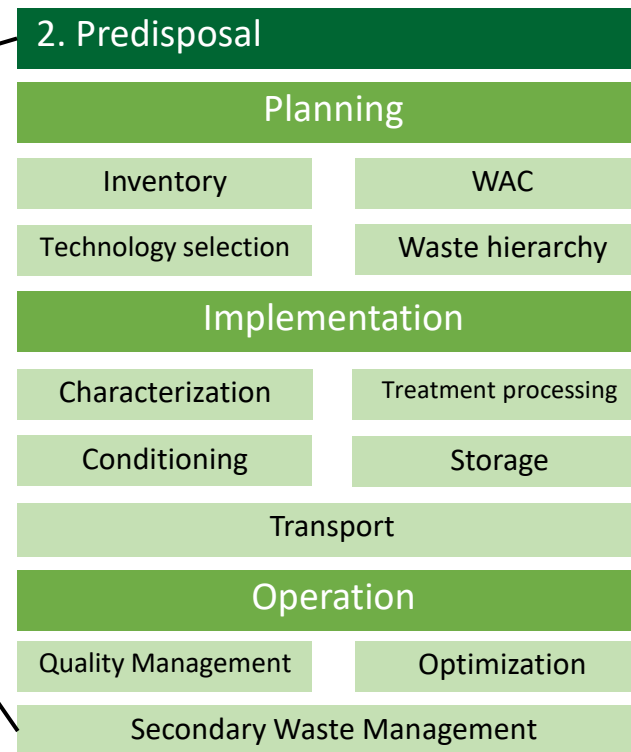
ROADMAP STRUCTURE

EURAD Themes

- 1. Programme Management
- 2. Pre-disposal
- 3. Engineered Barrier Systems
- 4. Geoscience
- 5. Design & Optimization
- 6. Siting & Licensing
- 7. Safety Case

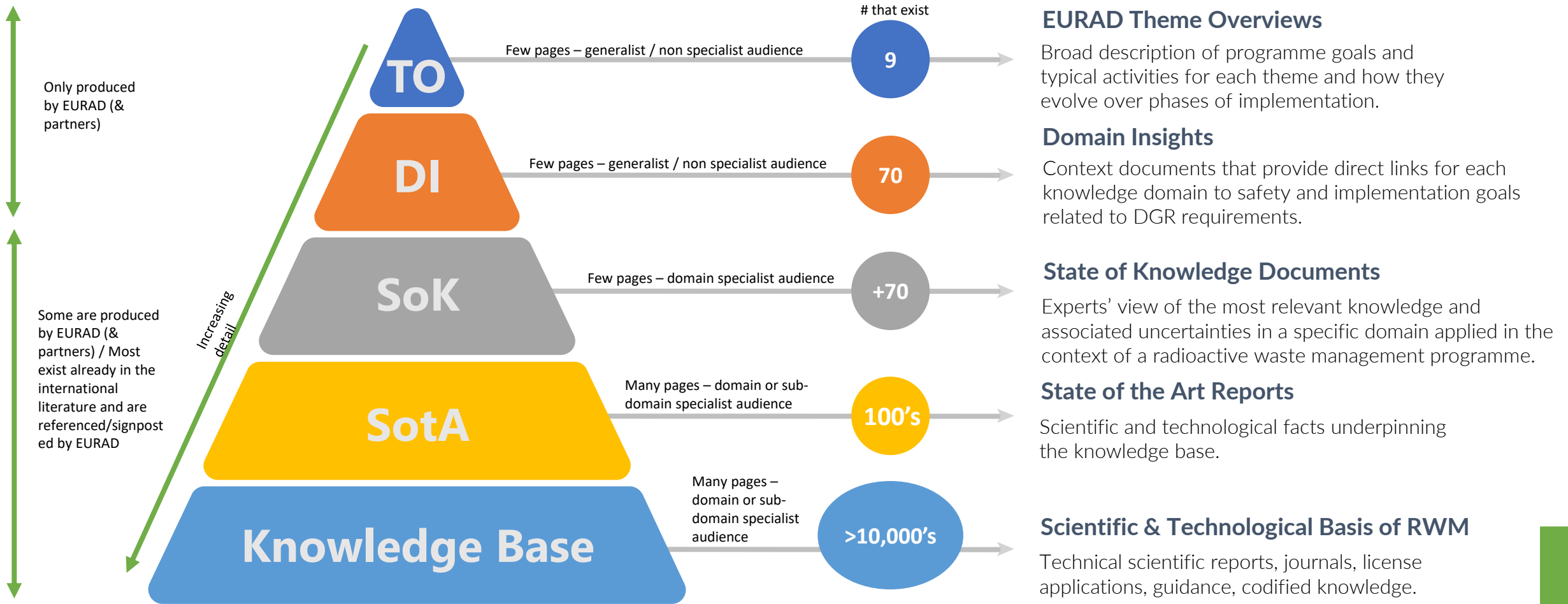
<https://www.ejp-eurad.eu/roadmap>

PREDIS Theme



<https://predis-h2020.eu/roadmap-and-e-learning-material/>

STATE-OF-KNOWLEDGE (SOK) DOCUMENTS (POPULATING ROADMAP)



GOALS: STATE-OF-KNOWLEDGE PRODUCTION

EURAD

- Roadmap updating
- 6 Theme overviews (external have-done-it-self experts)
- 78 Domain Insights (mainly external experts and reviewers)
- 2 State-of-Knowledge documents with socializing webinar
- Insertion in EURAD Wiki + website
- Documents shared with IAEA

PREDIS

- 1 Theme overview (expert from PREDIS)
- 12 Domain Insights using PREDIS R&D WPs experts and reviewers, with 1-hour webinar
- 1 State-of-Knowledge document with socializing webinar
- Published on PREDIS webpage
- Shared with EURAD

LESSONS LEARNED: STATE-OF-KNOWLEDGE PRODUCTION

EURAD and PREDIS

- Roadmap updating can only be made by WMO experts
- Experts with requirements, have-made-it-self and recognized in the field, are difficult to identify and engage (busy)
- Takes time to produce a high-class SoK document (3-4 months)
- Still need to cross-check and cross-reference all documents
- Documents are available for registered participants in EURAD Wiki

ACCOMPLISHMENTS: TRAINING & MOBILITY

EURAD

- Surveyed training and mobility end-users needs
- School of Radioactive Waste Management (<https://euradschool.eu/>) was launched 2020
- Its 4 pillars (courses, mobility, panorama, students) make it an integral part of EURAD's KM programme
- Organised 7 courses largely oriented to advanced users (Safety case, Uncertainty in RWM, WAC, ..)
- Mobility: 31 approved mobility applications and 19 completed
- Webinars: 21 (60-120 participants, recorded)
- Involvement of next generation (~100: PhD, PostDoc)

PREDIS

- Surveyed training and mobility end-users needs
- KM webpage was launched 2020 (<https://predis-h2020.eu/knowledge-management/>)
- Courses, mobility and the student group are linked to PREDIS R&D WPs
- Organised 4 dedicated courses to students
- Mobility: 27 approved mobility applications
- Webinars: 15 (70-120 participants, recorded)
- Creation of a student group (32-45 students)

LESSONS LEARNED: TRAINING & MOBILITY

EURAD and PREDIS

- End-users needs must be surveyed
- Training strategies were different: PREDIS created courses for PREDIS students while EURAD courses for internal partners as well as for RWM community
- Mobility strategies were different: PREDIS had mobilities for PREDIS students while EURAD made a step-wise opening of mobility, until the whole RWM community; both strategies were successful
- Mobility was very well used in both programmes and will be used until the budget is used-up
- Students in PREDIS slightly more preferred mobility over training
- Webinars are a necessity to widen the RWM view past the programme
- Involvement of next generation was easier handled in PREDIS (40 students) compared to 100 students in EURAD

LESSONS LEARNED: GUIDANCE

EURAD

- Early-stage programmes must to be surveyed to identify most critical guidance needs
- Involvement of MSs organisations; (i) in the setup, (ii) presentations from an advanced programme (that has been directly involved in the subject), (iii) iterative learning process
- Dividing the participants in early, middle and advanced programmes forming interactive groups
- Presentations from the three groups and discussion on possible solutions through all programme groups engagement (using and examples and lessons learned)
- Based on the discussion produce jointly a guidance document

BEYOND EURAD AND PREDIS?

- EC called for a EURAD-2 (HORIZON-EURATOM-2023-NRT-01)
- EURAD and PREDIS will merge and become EURAD-2
- The interest to participate to the EURAD-2 KM WP is still open (contact your college representative (IGD-TP, SITEX.Network or EURADScience)).



QUESTIONS?

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