

OPENING WORDS – TASK 4 WORKSHOP Subtask 4.2

14/06/2021 • Elisa Leoni (IRSN)

This project has received funding from the European Union's Horizon 2020 research and innovation programme 2014-2018 under grant agreement N°847593

14/06/2021



Sharing experiences and lessons learnt

Identifying R&D needs for a better management of challenging waste

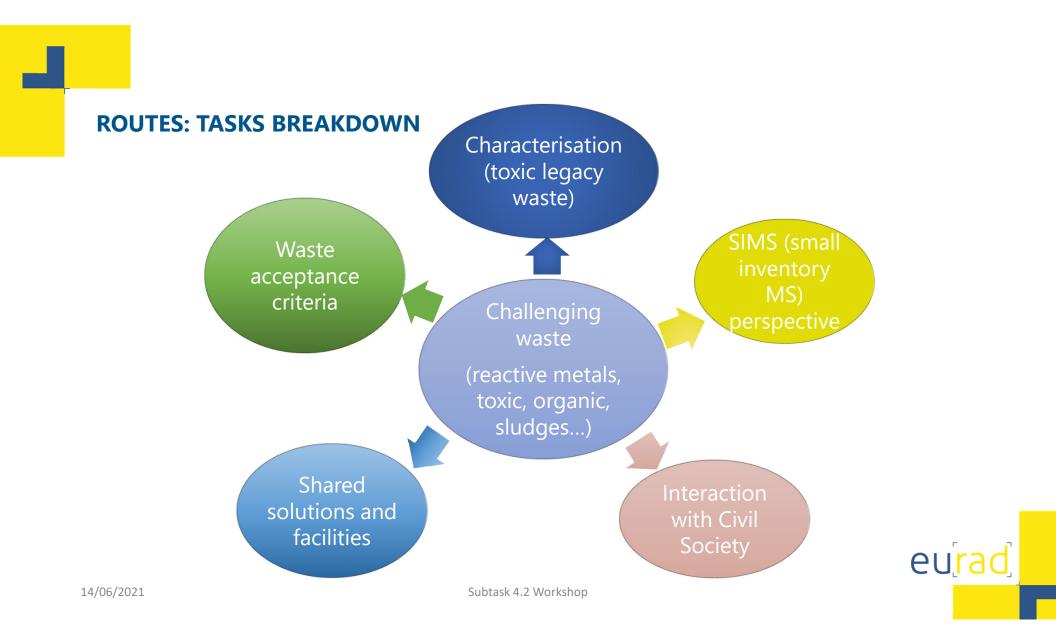
Opportunities for collaboration and **sharing**

Countries with programmes at different stages of development, with different amounts and types of radioactive waste



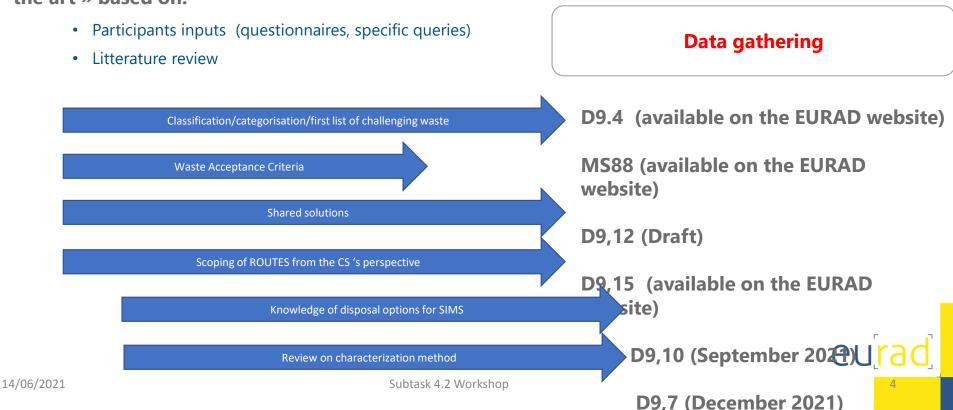
Subtask 4.2 Workshop

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EURAD ROUTES: A LOOK BACK (Y1/Y2)

• The main objective was to establish the « State of the art » based on:



EURAD ROUTES: YEAR 2

- Collection and analysis of case studies: TASK 2
 - Learn from the past !
 - Information gained on experiences and lessons learnt is often more relevant and representative than information gained by looking at collated inventories or too high-level approach.

Case studies on challenging waste

- March, 24 Management of Sludge and SIERs
- March, 30 Management of Organic Wastes
- April, 14 Management of Bituminized Wastes
- May, 7 Management of Graphite and Decommissioning Waste
- May, 18 Management of DSRS
- May, 25 Management of particular spent fuel and Ra/Th/U Waste

Sharing experiences and lessons learnt

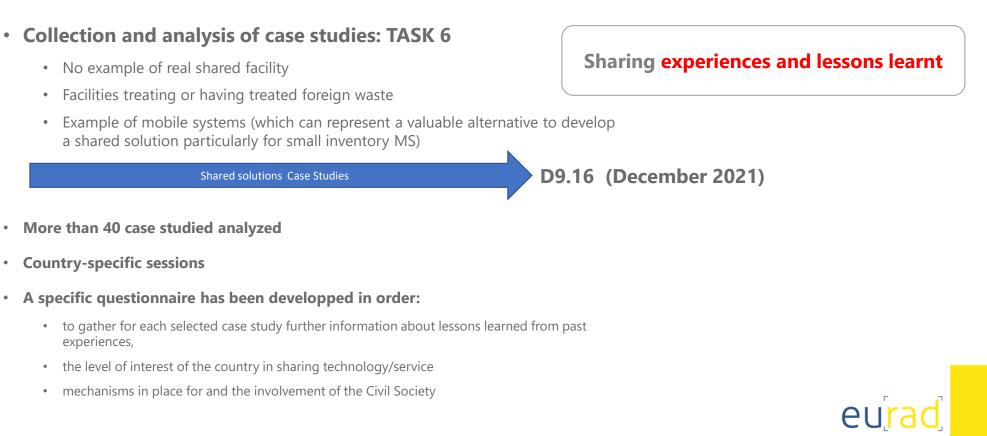
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Subtask 4.2 Workshop

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EURAD ROUTES: YEAR 2

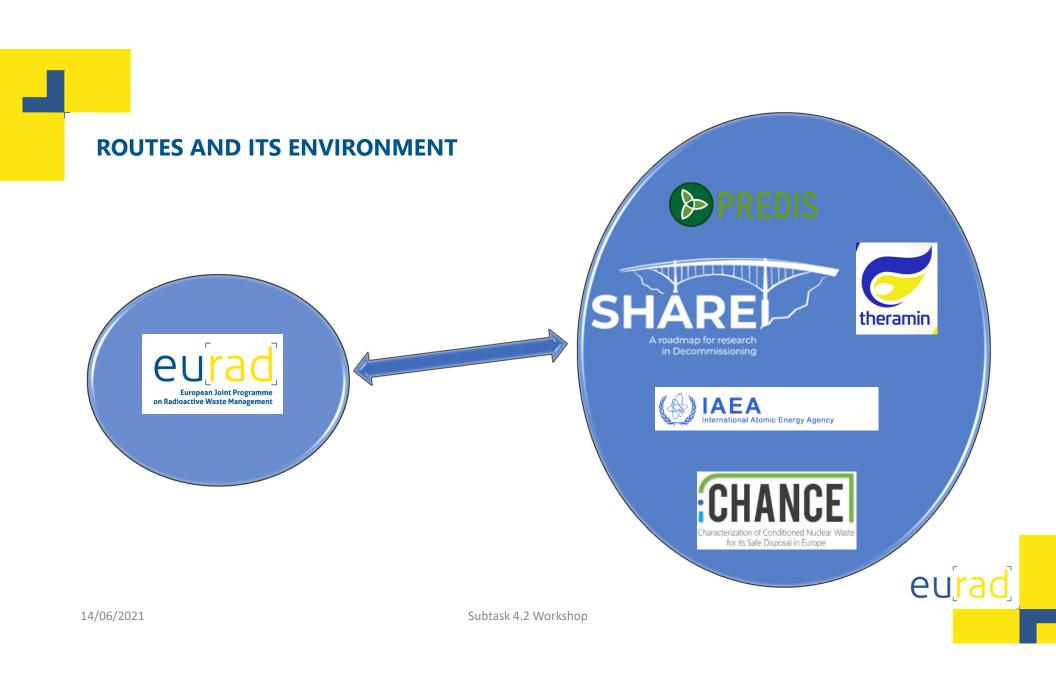


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INTERACTIONS AND (LEILLABORATIONS FOCUS ON EURAD-ROUTES/PREDIS/ERDO WEBINARS ON WAC

- The first webinar was held on 21st April 2021 its primary aim was to share information about recent/ongoing initiatives on WAC.
 - https://predis-h2020.eu/wac2-webinar-20-5-2021/
- The second webinar was on 20th May and focused on needs and challenges relating to WAC from different stakeholder perspectives.
 - https://predis-h2020.eu/wac2-webinar-20-5-2021/
- Some takeaways: harmonisation of WAC
 - Harmonisation of (preliminary) WAC among countries could be useful but will depend heavily on the level of detail at which such harmonisation is to be applied as well as who (waste generator, WMO, regulator, etc) is responsible for its application. Some criteria could be applied at a high level.
 - Harmonization is essential. However, harmonization across all aspects of waste management over all inventories everywhere is neither credible nor desirable. Rather, in this context, **sharing of knowledge**, **experience and information can be considered somewhat akin to harmonizing**.
 - Harmonization should be viewed as an opportunity not only for identifying best practices, etc., but also for market opening and increased transparency.

14/06/2021

LE1 The idea here is to show that the work done under ROUTES will bring briks to the wall. ELEONI, 6/9/2021

INTERACTIONS AND COLLABORATIONS FOCUS ON EURAD-ROUTES/PREDIS/ERDO WEBINARS ON WAC

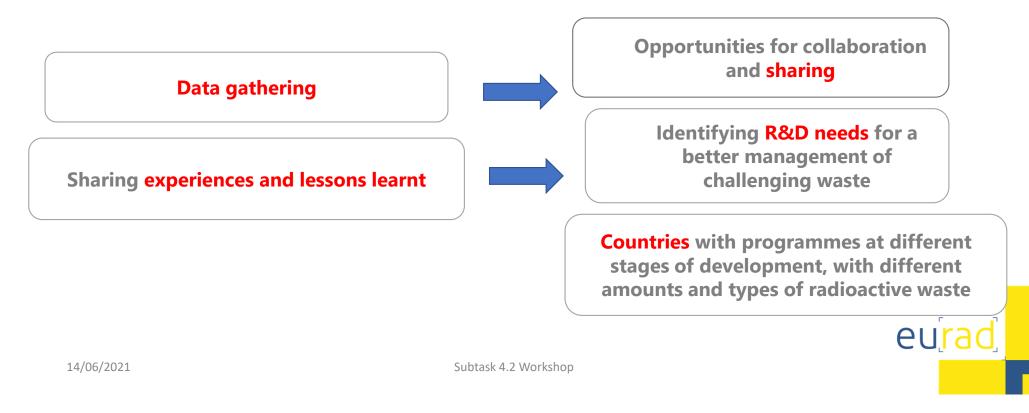
- · Some takeaways: WAC and their absence
 - Predisposal and disposal WAC should optimally be formulated together; if disposal is unavailable, good international practices can be followed.
 - Adoption of practices similar to the UK's Letter of Compliance process can help in formulating WAC when disposal solutions are lacking.
 - Flexibility in waste treatment/conditioning should be directly proportional to the uncertainty of a disposal solution.
 - In many cases, there is no option to postpone conditioning (i.e., storage of raw waste is not permitted). **It would be useful to know how these situations are universally handled.**
 - Does a new "final conditioning" step need to be introduced into predisposal waste management?
- Some takeaways : Shared solutions and specificities of SIMS
 - Shared approaches/solutions regarding predisposal (especially characterization) and regulatory activities are needed.
 - The sharing of waste management facilities (fixed installations, modular or mobile options) should be explored.
 - **Cross-border cooperation** and otherwise sharing experience in technology implementation would support WAC specification.
 - Shared disposal facilities remain illusory, but in the future, namely for SIMS and HLW/SNF, they might be inevitable

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EURAD ROUTES YEAR 3: MOVING FORWARD

- Based on the work performed in Y1 and Y2, YEAR 3 (June 2021-May 2022)
 - Will be devoted to identify Gaps, R&D needs and opportunities for sharing
 - A specific emphasis will be placed on solutions for SIMS



EURAD ROUTES YEAR 3

ANNUAL MEETING (September)

- Activities conducted by each task during Y2 will be presented
- Focus on lessons learnt and added value from past cooperation activities
- Presentation of Task 8

• TASK 8

- It is an additional task of ROUTES
- Just started: 1st of June 2021
- Main objectives and activities:
 - Collaborative work between SIMS and LIMS
 - Based on the results for SIMS of the work carried out in ROUTES Task 2-6 regarding challenging wastes inventory, characterization topics, WAC, shared solutions etc.
 - How can these results be tailored for SIMS needs ?



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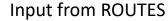
EURAD ROUTES YEAR 3: TASK 8



- WM routes are not defined yet especially for challenging waste
- no entire disposal strategy sufficiently developed or implemented, WAC for disposal are only preliminary or not implemented
- disposal and predisposal solutions often disproportionately expensive
- usually no sufficient human resources and research infrastructures available
- knowledge transfer, training and skills improvement needed



INTENDED INTERACTION WITHIN ROUTES TASKS AND KM WPS



Task 8

