



PREDIS

WAC - Waste producer small inventory

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Agenda

1. Waste Management particularities in Small Inventory Member States (SIMS)
2. Key parameters for radioactive waste management in SIMS
3. WAC in the conditioning process
4. EURAD project, ROUTES Extension (new Task 8)
5. Who participate in ROUTES extension (new Task 8)
6. ROUTES interaction with PREDIS

1. Waste Management particularities in Small Inventory Member States (SIMS)

- Usually, most of the radioactive waste are not sufficiently characterized and conditioned (historical/legacy waste)
- There isn't disposal strategy sufficiently developed or implemented, WAC for disposal are only generic, preliminary or not implemented at all
- WM routes are not defined yet especially for challenging waste
- Disposal and predisposal solutions are often disproportionately expensive
- Usually no sufficient human resources and research infrastructures are available
- The radioactive wastes will remain in interim storage for many decades before disposal

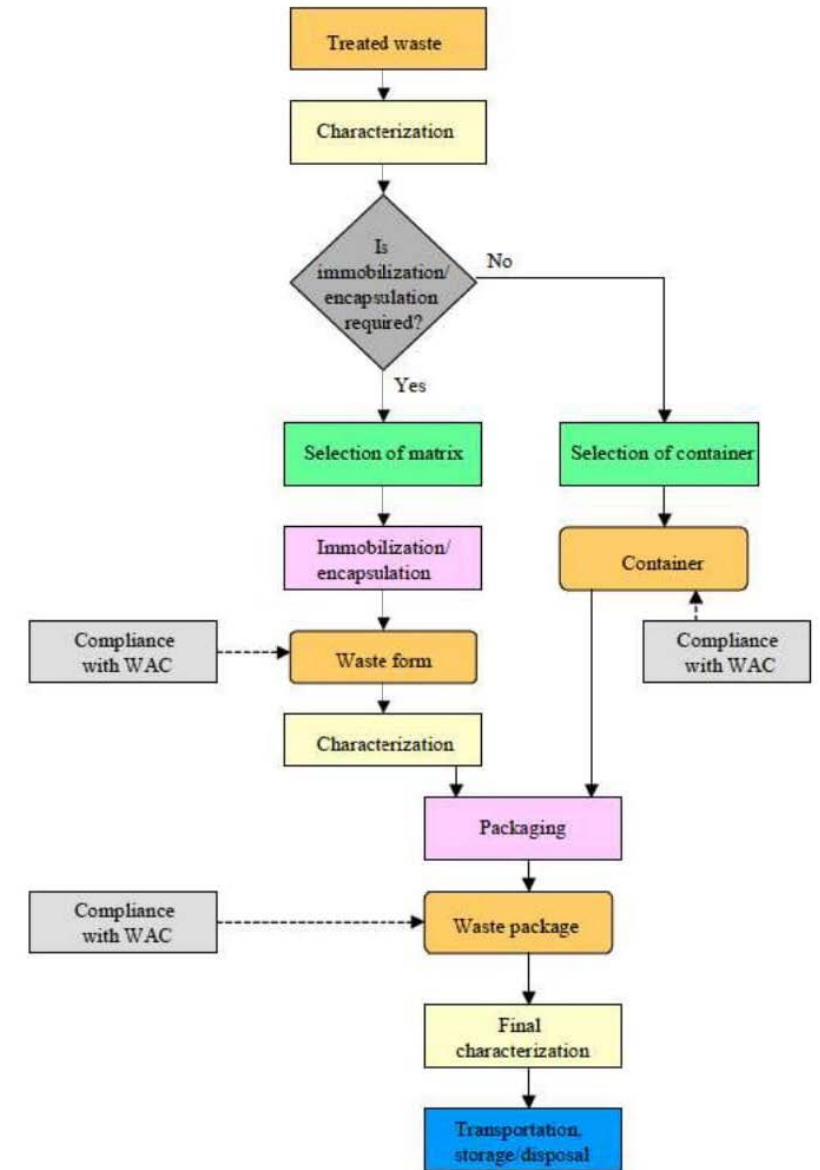
2. Key parameters for radioactive waste management in SIMS

- When WAC are missing, mainly general WAC have to be identified with aim to ensure its safe management, mainly with respect to the workers radiological protection and environmental impact minimization
- Systems and procedures should be defined to ensure that waste is managed safely in situations where final WAC for disposal are only general, preliminary or not implemented at all
- Cost effectiveness and easy implementation of radioactive waste solutions

3. WAC in the conditioning process for SIMS

If there may be a significant delay before disposal, the container :

- must provide integrity during the foreseen storage period
- should provide transport to and handling at a immobilization/ encapsulation or disposal facility
- may provide retrieval of waste at the end of the foreseen storage period
- may provide performance as required in the disposal environment
- may provide compatibility of the overpack with respect to the relevant WAC (if the container is not designed to meet the acceptance criteria) or incorporate relevant parameters of the WAC



4. EURAD project, ROUTES Extension (new Task 8)

- Adapting and capitalizing on what is done in the different Tasks of ROUTES (first wave) for small amounts of wastes (SIMS perspective).
- Cost effectiveness, easy implementation and the possibility to share facilities being key parameters.
- A deeper collaborative work will be performed by SIMS and LIMS (MAP and LAP). SIMS will be supported by expertise of LIMS to improve RWM, in particular when WAC for disposal is missing.
- Qualitative analysis and assessments of the disposal options for SIMS in combination with the related predisposal routes.
- Results also expected to be interesting for the management of small amounts of challenging waste for LIMS (i.e. development of Mobile solutions).

5. Who participate in ROUTES extention (new Task 8)

IRSN Coordinator

NCSR(DMT) Task 8 leader

SURO co-Task 8 leader

From Task 2	From Task 4	From Task 5		From Task 6	New Member
Andra	ONDRAF/NIRAS	IST-ID	NCSR(DMT)	DEKOM	SRBAtom, Serbia
SSTC NRS	VTT/GSL	IST-LPSR	SURO	COVRA	
From Task 3	RATEN	INCT	NES	NJF	
UCY	LEI	EEAE		From Task 7	
STUBA		JSI/EIMV		IRSN/NTW	
CIEMAT		GRS		JSI/EIMV	

red WMO blue TSO

yellow RE bold: SIMS

6. ROUTES interaction with PREDIS

- A common work on WAC has been initiated. This will be continued for Task 8.
- A work on how technologies developed under PREDIS (conditioning, monitoring) could be tailored to fit SIMS needs is considered of deep interest.



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Thank you!

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