



ERDO - Workshop

Steps to sharing



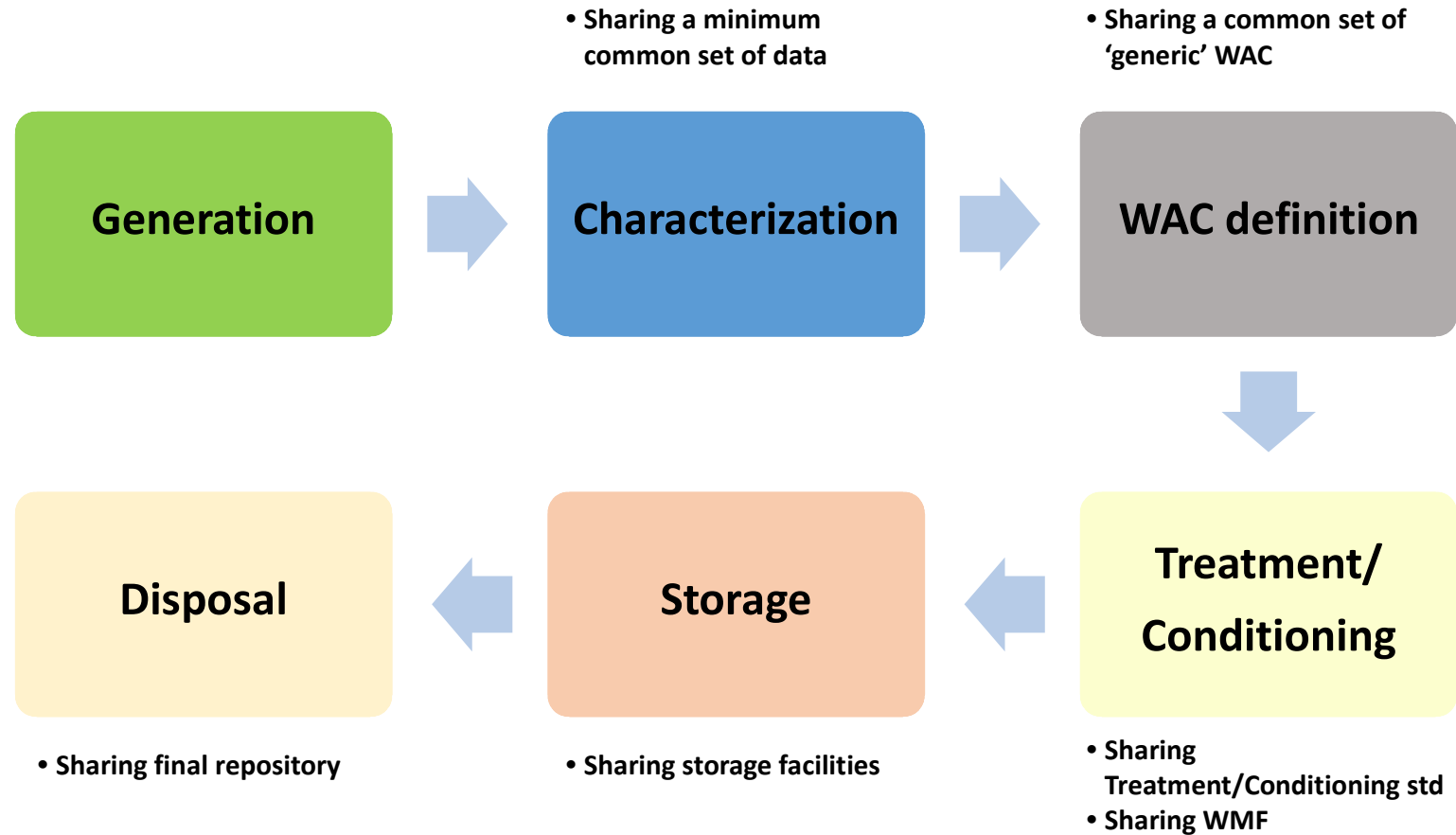
Session:

Sharing predisposal capabilities

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Sharing in all phases of the 'cradle to grave'



Sharing in all phases of the 'cradle to grave' process lays the foundation for achieving the goal of sharing a disposal solution

Waste characterization



Establishing a common physico-chemical-radiological minimum set of waste package data to be collected and managed in view of possible future shared WM activities

BENEFITS

- Common basis for exchange of informations and possible future shared WM activities
- Sharing of knowledge and competence
- Alignment to Safety Authorities requirements (e.g. WENRA SRL)
- Streamlined acceptance of waste by a future shared repository

CHALLENGES

- Difficulties in agreeing data to be included in the 'minimum' set
- Lack of data for legacy waste

WAC definition



Formulating a set of Waste Acceptance Criteria based on generic disposability assessments, independent from a specific disposal repository ('generic WAC')

BENEFITS

- Waste producers get useful indications on required waste package quality in advance of availability of a disposal solution (avoiding postponement of waste treatment)
- Sharing of knowledge and competence
- Streamlined acceptance of waste by a future shared repository

CHALLENGES

- Difficulties in agreeing data to be included in the set of generic WAC
- Possible non compliance with generic WAC of already conditioned waste packages

Treatment/Conditioning



Defining a common set of standards for treatment/conditioning processes (similar waste streams are treated/conditioned with similar qualified processes)

BENEFITS

- Waste producers get useful indications for treating/conditioning their waste (e.g. challenging waste)
- Similar response to similar requirements by different Safety Authorities
- Sharing of knowledge and competence
- Streamlined acceptance of waste by a future shared repository

CHALLENGES

- Difficulties in aligning waste management strategies of different countries
- Qualified processes are closely linked to WAC (see relevant challenges!)

Fostering the use of common Waste Management Facilities (WMF)

BENEFITS

- Avoiding duplication of WM facilities (economy of scale, minimization of waste, etc.)
- Optimized solution for LAP MS, countries with small inventories
- Streamlined acceptance of waste by a future shared repository

CHALLENGES

- Transports of waste
- Non compliance of waste with WMF WAC
- Economic agreement between involved countries

Fostering the use of common Interim Storage Facilities (ISF)

BENEFITS

- Avoiding duplication of ISFs (economy of scale, increased safety, etc.)
- Optimized solution for LAP MS, countries with small inventories
- Increased stakeholder awareness on future shared repository

CHALLENGES

- Transports of waste
- Non compliance of waste with ISF WAC
- Economic agreement between involved countries
- Local stakeholders opposition

Italian cooperation initiatives on WM



- Bilateral collaboration agreements with other EU WMOs
- Participation to Horizon 2020 R&D activities on predisposal
- Contracts with EU companies for specific waste streams treatment
- ERDO membership (ENEA)

Thank you!



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