



EURADWASTE'22

30 May - 3 June 2022
Lyon, France

IAEA Activities to transfer Information and Knowledge in Radioactive Waste Management



IAEA
International Atomic Energy Agency
Atoms for Peace and Development



Opportunity for Synergies with EURAD and PREDIS



10th European Commission Conference on EURATOM Research and Training in Radioactive Waste Management
30 May - 3 June 2022 | Lyon, France

IAEA – The world's center for cooperation in nuclear



The IAEA

Established in 1957
174 Member States



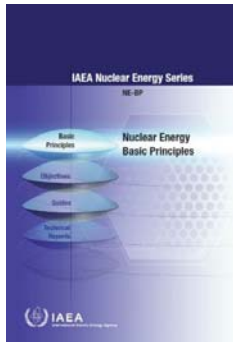
Tools to capture and transfer
Information and Knowledge



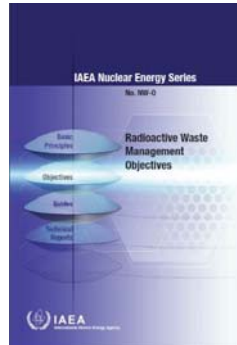
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Capturing Information & Knowledge – Publications remain central

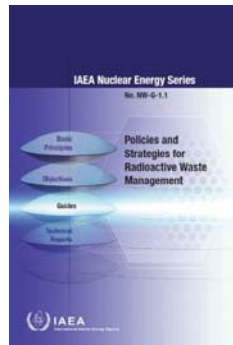
Principles



Objectives



Guides



Technical Reports

1. Basis to understand RW
2. Options for waste processing
3. Implementing disposal programmes

The aim is to provide the basis for integrated planning - evolving the focus from localized considerations, to addressing the overall national responsibilities in an effective manner.



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Opportunity for synergies with EURAD and PREDIS

➤ Continuous engagement since inception of EURAD and PREDIS

- ✓ Mutual awareness and understanding
- ✓ Develop similar structures for I&K
- ✓ Inform when scope and objectives align

➤ Identify opportunities – Examples



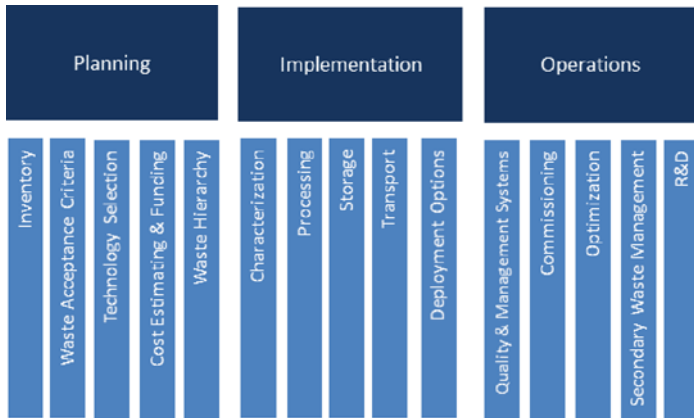
- Establish guidance / status review
- Long term I&K preservation
- Structure and preserve case studies, R&D...
- Training



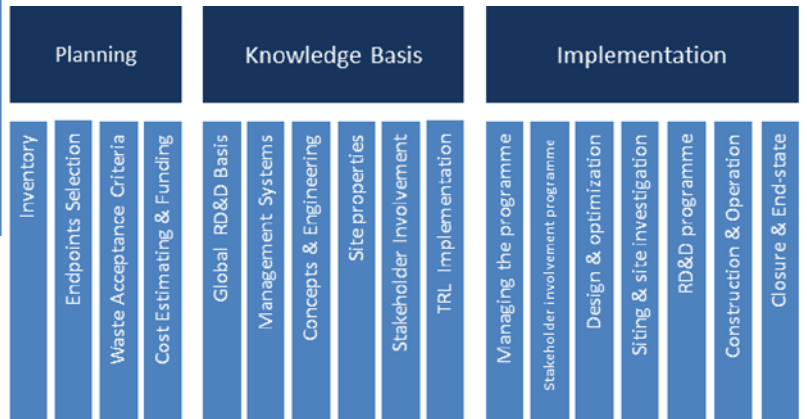
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Structuring I&K – Pre-Disposal & Disposal Domains

Pre-disposal Domain

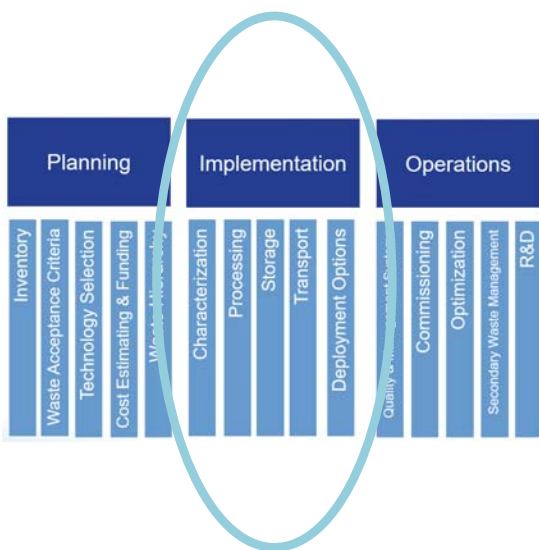


Disposal Domain



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Capturing I&K – Example: Technology Optioneering Predisposal

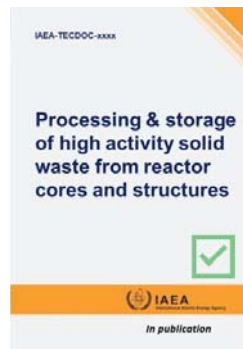


1. Characterization of radioactive waste, waste forms & waste packages
2. Treatment of low & intermediate level liquid radioactive waste
3. Treatment of low & intermediate level solid radioactive waste
4. Conditioning of low & intermediate level liquid, solidified and solid radioactive waste
5. Processing of high level radioactive waste
6. Storage of radioactive waste & conditioned waste packages

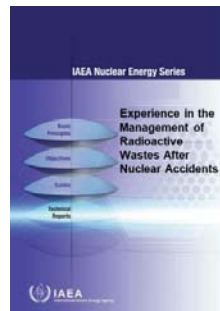
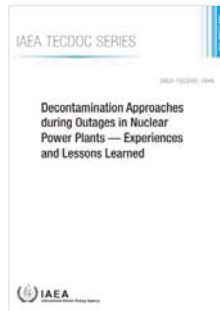


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Further examples of thematic Predisposal I&K



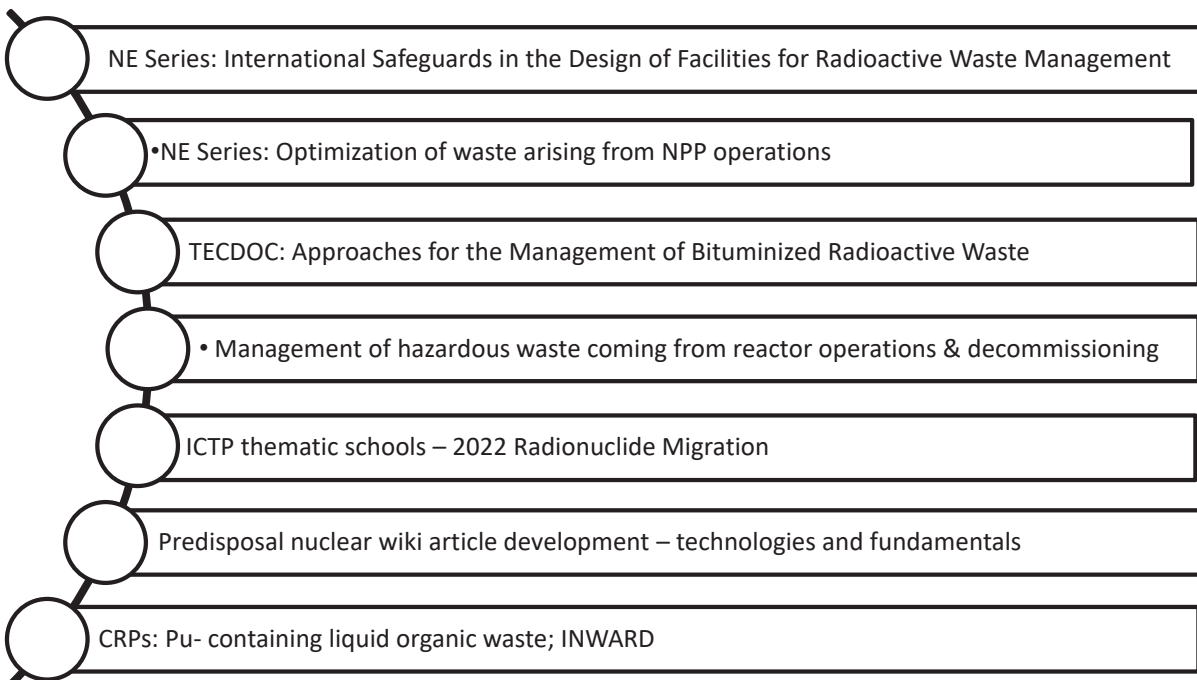
Published or available as prepublication drafts on the web



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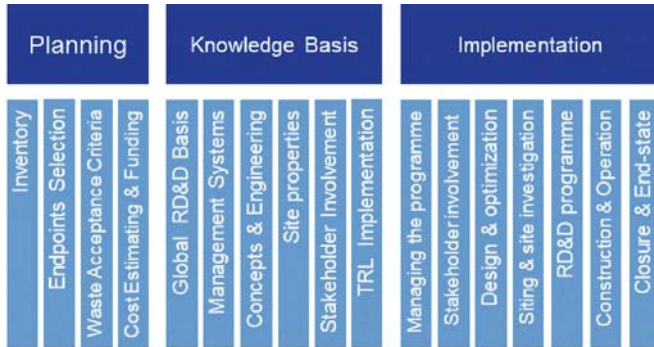
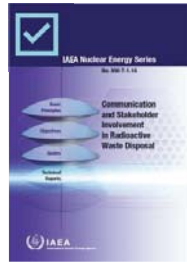
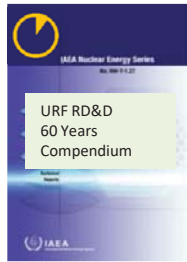
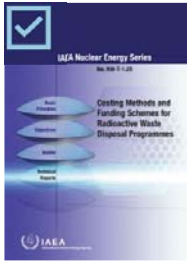
Capturing and Transferring I&K – Predisposal – In Progress



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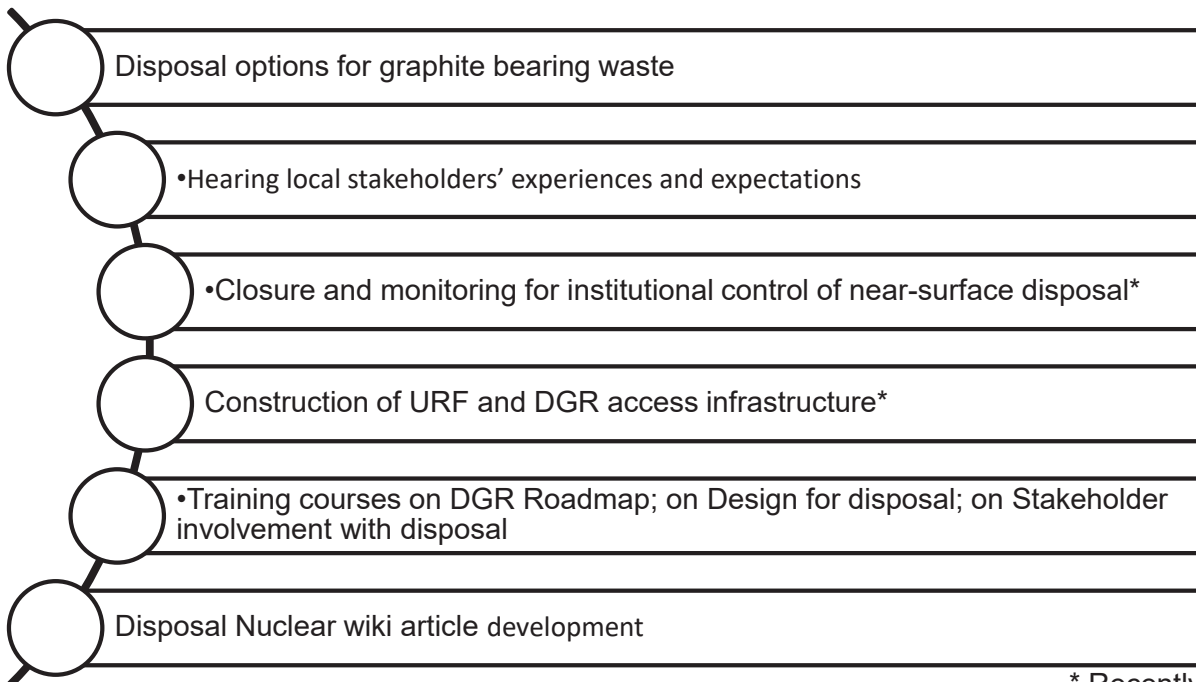
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Capturing I&K – Example: Knowledge Basis and Implementation Disposal



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Capturing and Transferring I&K – Disposal – In Progress

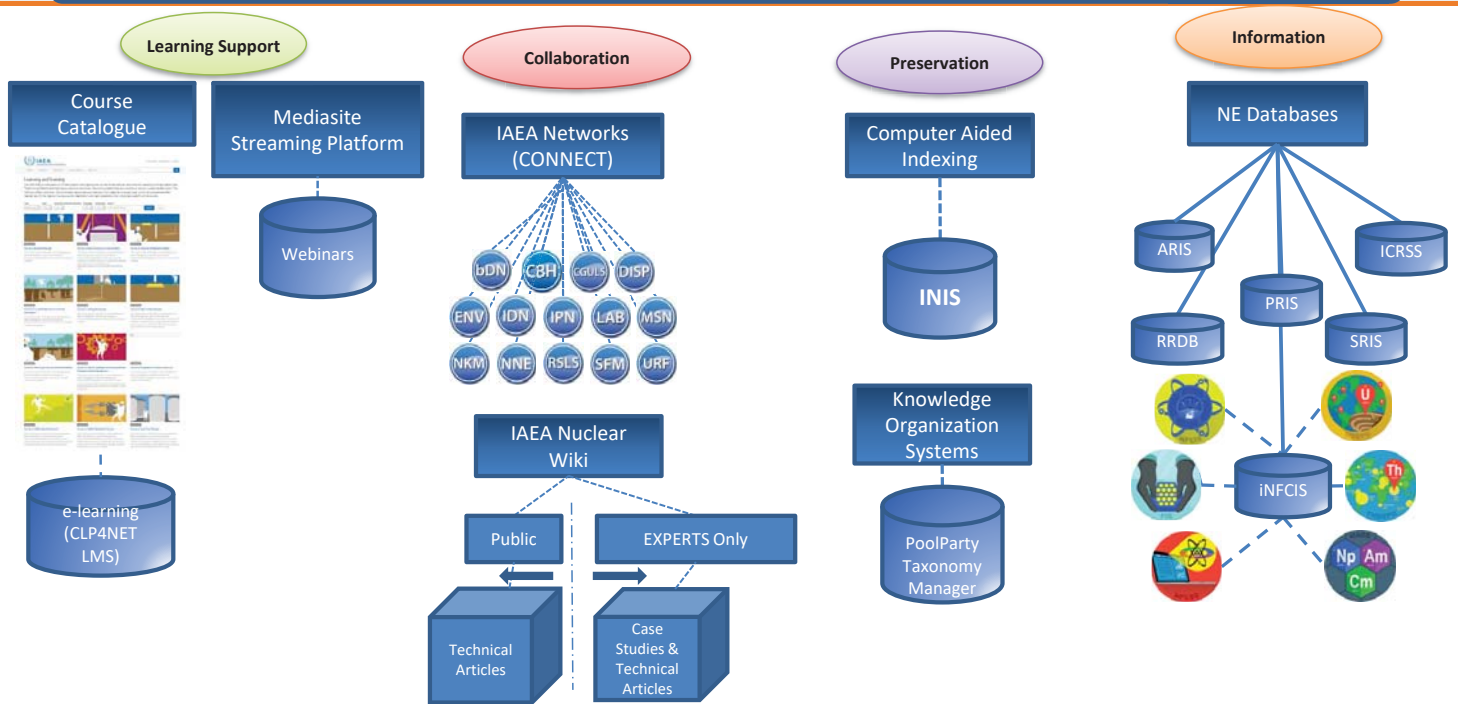


* Recently launched



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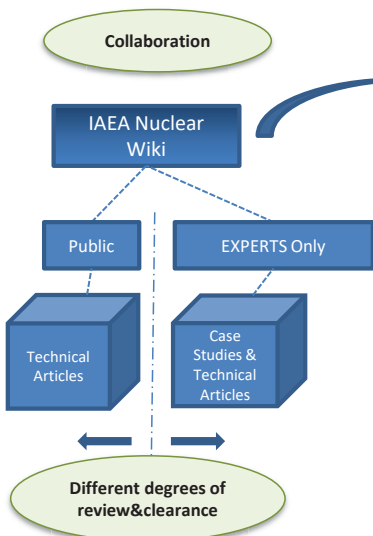
Capturing I&K – E-learning, Webinars, NuclearWiki, INIS, Databases



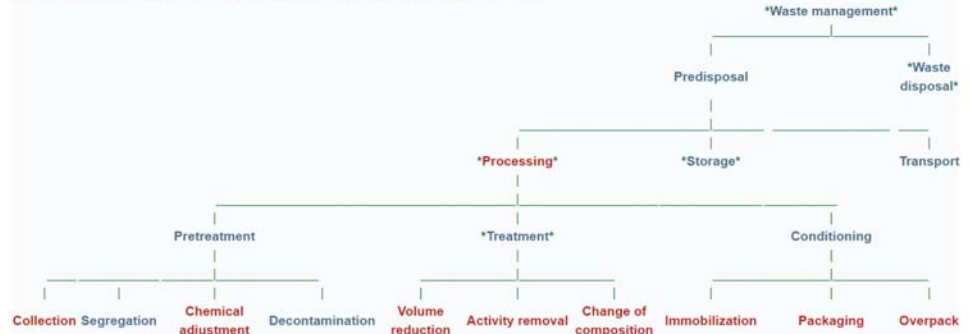
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Capturing I&K – IAEA Nuclear Wiki

- ✓ Easy to use, accessible, semantic K platform
- ✓ Promote exchange of Scientific/Technical information
- ✓ Enables creation, review, sharing of K



Waste management taxonomy - see also Waste characterization and Category: B1025



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Transferring I&K – The IAEA Technical Cooperation Programme

Home / Services / Technical Cooperation Programme



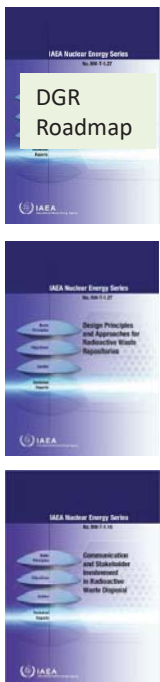
Technical cooperation programme

- ✓ A major pillar of IAEA transfer of knowledge in RWM is based on Capacity Building through the Technical Cooperation Projects.
- ✓ Supported by a suite of training courses (In development)



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Transferring I&K - Training Courses



Basis for course content

- ✓ Learning Objectives
- ✓ Agenda – Lectures - Exercises
- ✓ Mix of IAEA general guidance (fixed/reference) and National case studies (adjustable to lecturers' expertise)



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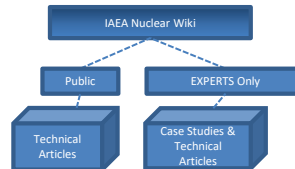
- ✓ Joint development of higher-level guidance or status review (Example “Status&Trends”)



- ✓ Long term I&K preservation – [International Nuclear Information System \(INIS\) | IAEA](#) (Example “Deliverables of NF-PRO”)



- ✓ Capturing focused I&K – IAEA Nuclear Wiki



- ✓ Proactive transfer of I&K – Mobility & Training



➤ Benefit from complementarities



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Thank you!

[Home: International Conference on Radioactive Waste Management: Solutions for a Sustainable Future | IAEA](#)



Useful Links

- Wiki : https://idn-wiki.iaea.org/wiki/Main_Page
- Networks : <https://nucleus.iaea.org/sites/connect/Pages/default.aspx>



- eLearning: <https://nucleus.iaea.org/sites/connect-members/LMS/Pages/Module-Mindmap.aspx>
- INIS information repository: <https://inis.iaea.org/search/>



www.iaea.org/ne

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