

Environment Agencies Nuclear Research Interests

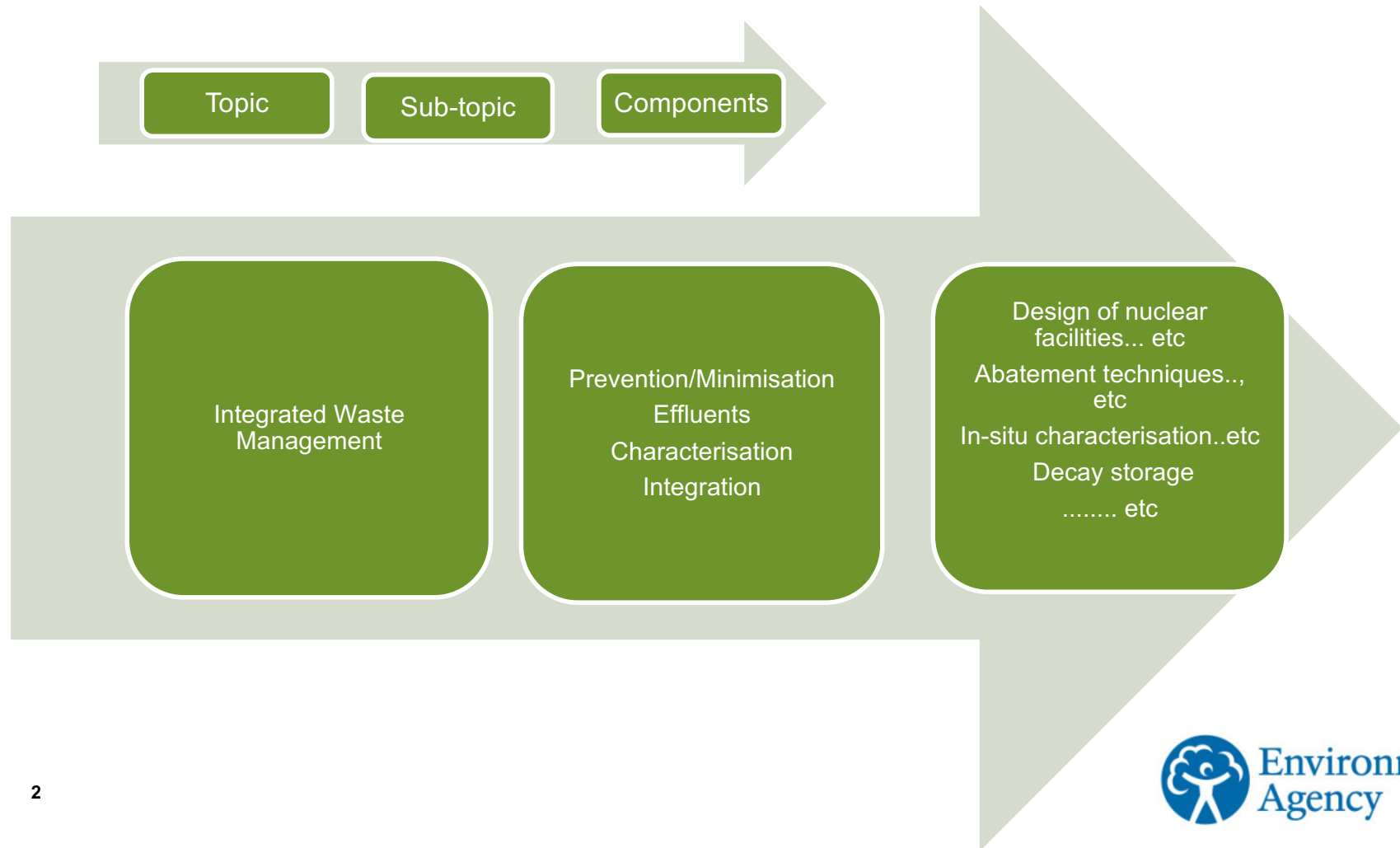
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R & D Interests

Environment agencies have a live document that captures their R&D interests.
Using a structured thematic approach.

Purpose: Establish our interests and priorities

Status: Version 1 Dec 2014 – updated version (March 2017)



Environment Agencies research interests

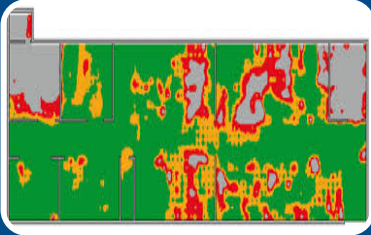


Environment Agencies: Nuclear Research & Development Interests

Issue 2: March 2017



Research priorities



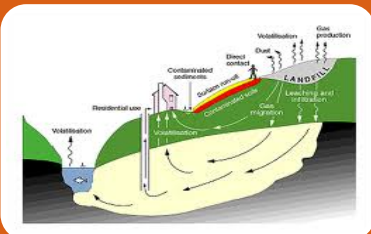
Characterisation of waste

- Improving techniques and statistical approaches at waste boundaries
- Effective use of scaling factors



Fuels and materials

- Quality and performance standards for long-term storage are codified
- Particular challenges of UK fuels and materials (treatment, monitoring and storage)



Radioactivity in the environment

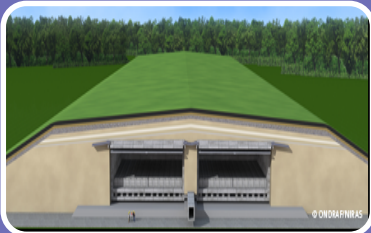
- How can we integrate radioactive and chemical?
- Low dose impacts to biota
- Impact of climate

Research priorities



Decommissioning

- Decontamination techniques that minimise waste?
- Decontamination agents that are disposable?



Waste

- Long term performance in storage and following disposal
- Techniques for near surface disposal



Prevention of waste

- Sustainable design = zero waste
- Defense in depth and lifecycle thinking