



Research Support Office Annual Conference

John Corderoy, Technical Director, RWM



**Radioactive Waste
Management**

Working together to protect the future

Our vision and mission

Radioactive Waste Management (RWM) was established in 2014 as a wholly-owned subsidiary of the Nuclear Decommissioning Authority (NDA)

Our vision

is to provide a safer future by managing radioactive waste effectively, to protect people and the environment.

Our mission

is to deliver a Geological Disposal Facility and provide radioactive waste management solutions.

Our priorities



Deliver Community Partnerships for a GDF and prepare for site selection

“Our aim is to build a deliberative dialogue with individuals and organisations representing the full spectrum of viewpoints, ensuring that all are aware of the huge positive benefits that a GDF could bring to a community and a region.”



Deliver waste management solutions to support the UK nuclear estate

“RWM’s expertise plays a vital role, working with industry during the planning phase before waste arises and right through to disposal.”



Transform our organisation for safe and effective delivery

“Building a pool of talent that reflects the expertise required to manage site investigations, procure supply chain expertise and oversee an eventual construction programme”

Safe

We are committed to achieving the highest standards of safety, security and environmental protection.

Engaging

We aim to communicate clearly, in a way that enhances understanding, encourages engagement and builds trust.



Professional

We are experts in our field, delivering the best solutions with integrity and efficiency.

Learning

We continuously learn from others to build and share our knowledge.

A new NDA waste division. Launching 31 January 2022

Bringing together RWM, LLWR and NDA's Integrated Waste Management Programme

Enhancing the service to waste producers with more efficiency, more speed and at lower cost

Greater value and more waste diverted

Single business working across the full lifecycle and waste spectrum

A more sustainable business

A strong and common sustainability agenda across

New and optimised waste routes

A single set of integrated business priorities, leading to new or optimised waste routes

Enhanced and optimised project outcomes

Addressing the biggest challenges and opportunities in waste management

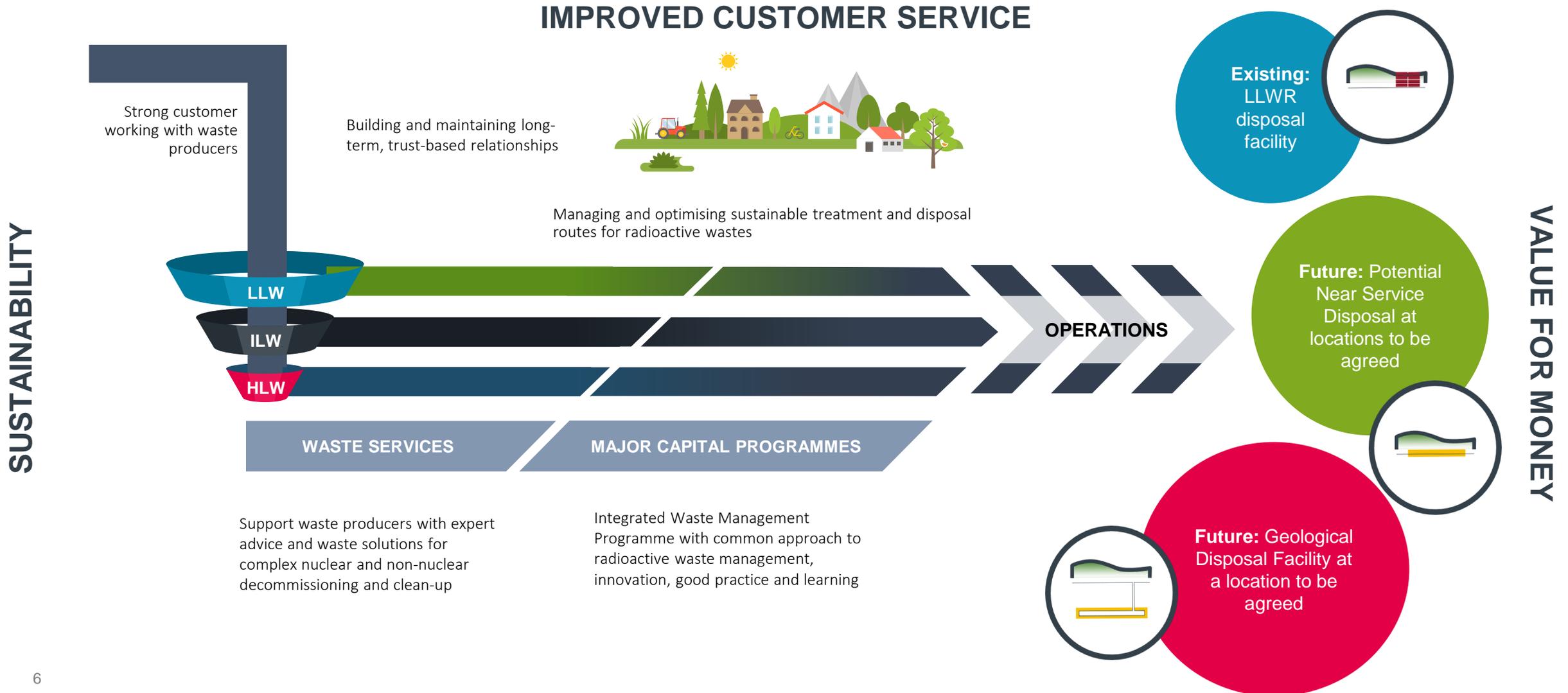
Increased stakeholder confidence

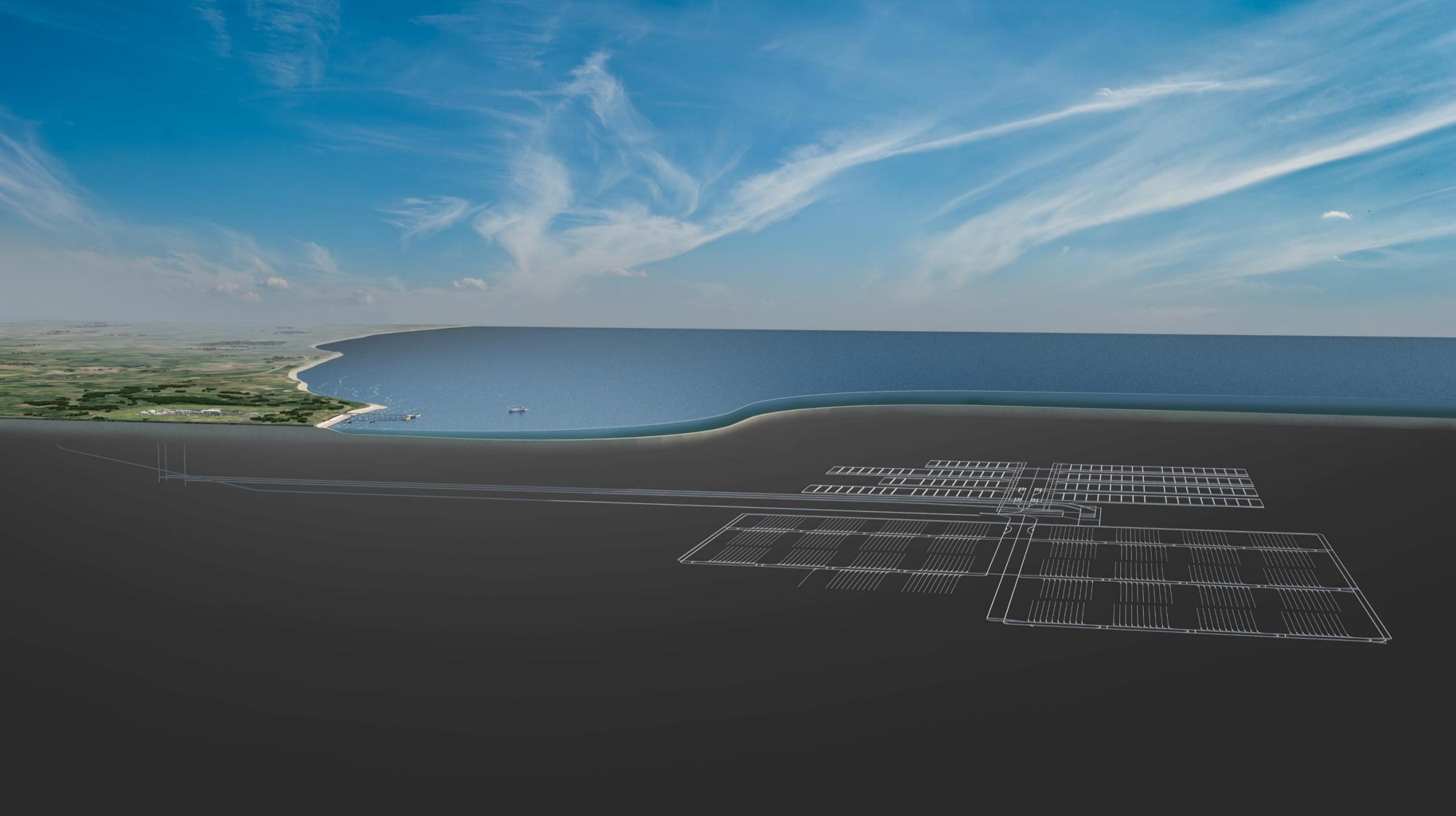
Simplified interfaces, communications and arrangements – a single 'front door'

A great place to work with more opportunities

Opportunities across shared facilities, knowledge, expertise and relationships

How it all fits together



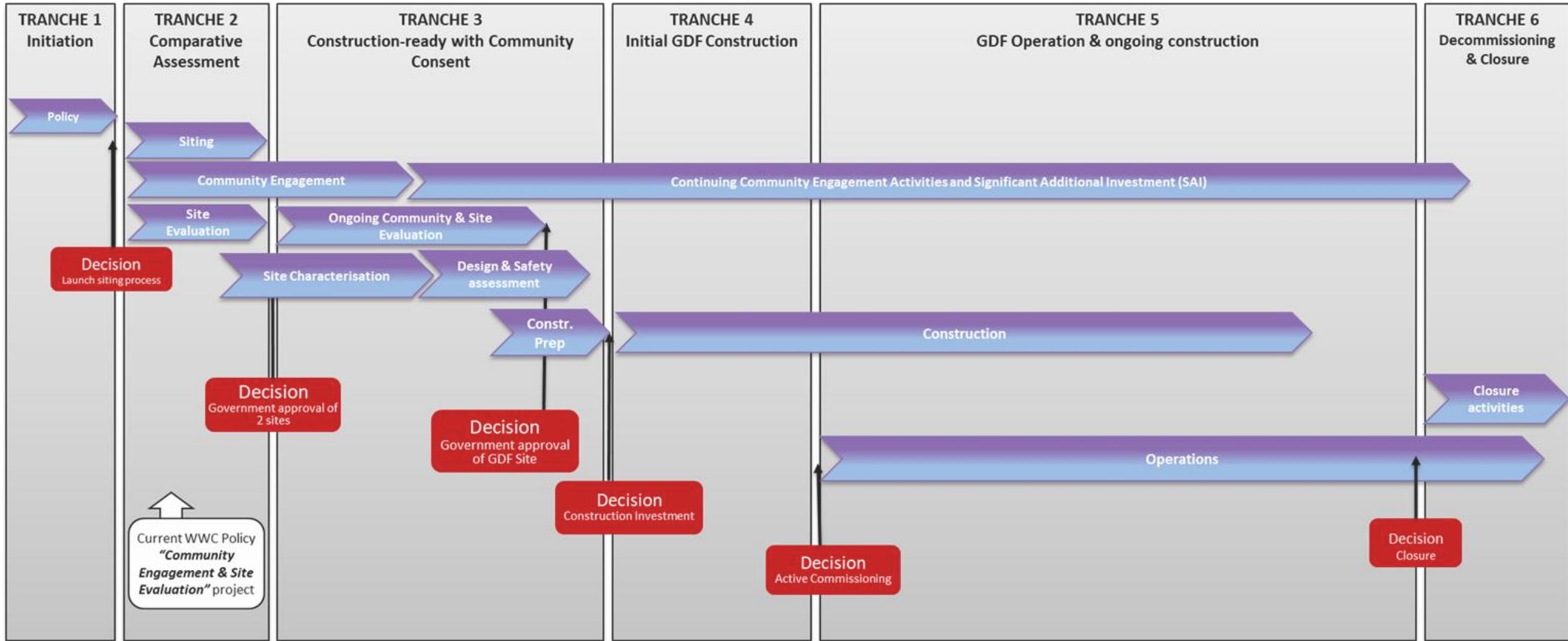








GDF Programme



A female scientist with long brown hair, wearing safety glasses and purple nitrile gloves, is focused on her work in a laboratory. She is using a blue pipette to transfer a small amount of orange liquid into a clear Erlenmeyer flask. The background shows a well-stocked laboratory with shelves containing various bottles and equipment. The overall scene is brightly lit, emphasizing the professional and scientific environment.

RWM and Research

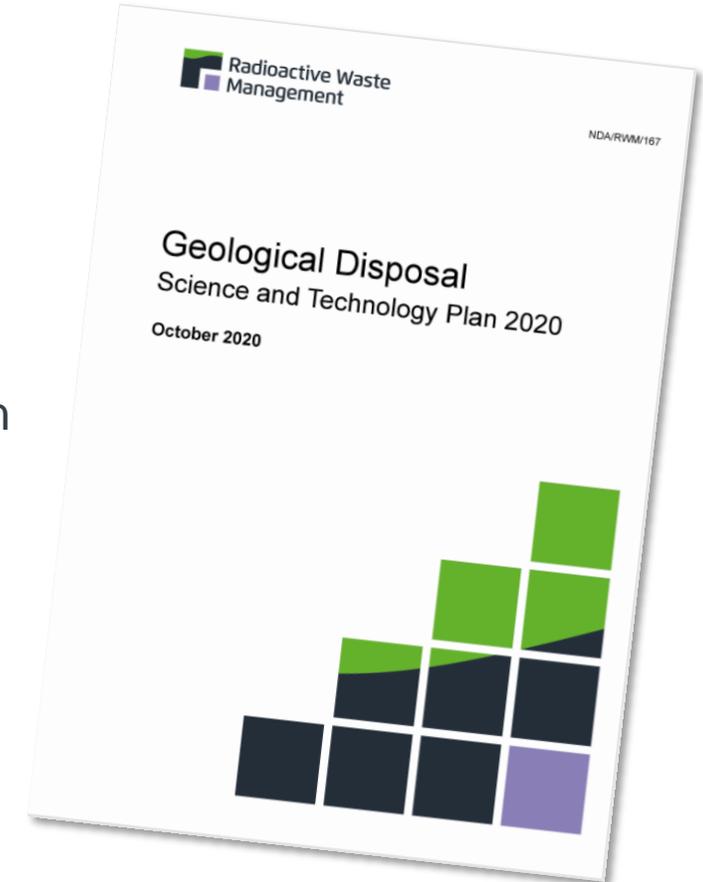
Research at RWM

Our forward programme is published in the Science and Technology Plan

RWM will expand its scope from generic R&D to activities associated with geology-specific GDF development

RWM currently deploys a balanced programme of activities including laboratory-based studies, modelling at the process and component level, natural / archaeological analogue studies and larger scale experiments and demonstration studies, including those deployed in overseas Underground Research Laboratories

Work is being undertaken to investigate the social science aspects of planning and implementing effective public engagement, so as to build confidence in RWM's capabilities



Importance of research

RWM's R&D programme **UNDERPINS** the geological disposal of the UK's higher activity radioactive wastes.

'An environmental safety case is a set of claims concerning the environmental safety of disposal of solid radioactive waste, substantiated by a structured collection of arguments and evidence. It should demonstrate that the health of members of the public and the integrity of the environment are adequately protected'

UK regulators will expect that the environmental safety case for disposal is based on the principle of 'Best Available Techniques' (BAT) or 'Best Practicable Means' (BPM).

In order to demonstrate that we are using the principles of BAT or BPM to inform our decisions on GDF design, we must understand the science behind how all the components of a GDF will behave in the long-term and the bigger picture of how they will work together.

RSO a year on...



International experience has shown that independent expert research is critical to the success of a GDF.

The RSO is helping us achieve our objectives and is strengthening our outreach and access to research capabilities to support the GDF safety case and subsequent regulatory approvals.

Get in touch

To learn more about the UK's mission to deal with radioactive waste

Email: [**gdfenquiries@nda.gov.uk**](mailto:gdfenquiries@nda.gov.uk)

Telephone: **03000 660 100**

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