



Objectives:

- **How we deliver the Nuclear Sector Deal through delivery performance optimisation**
  - Putting Waste Management at the top of the Agenda for change
  - Opening the door to the supply chain & incentivising the market
  - Innovations and Value – the need for decisions
- **Securing the future through capability & skills enhancement and sector professionalism**
- **Bringing together Academia and Industry**

## ACADEMIC FORUM - Evening Seminar 7<sup>th</sup> October 2019

Invited Academic Leads and Sponsors

Venue: The George Hotel, Penrith

19:00	NNL Sponsored Drink Reception & Buffet		
19:30 – 19:35	Welcome to IWM2019	Becky Ferris	EDFe
19:35 – 19:45	Why R&D is so important to the OneNDA mission	Melanie Brownridge	NDA
19:45 – 20:00	Research & Development Keynote & Introductions to Speakers	Gareth Headdock	NNL Science and Technology Director
20:00 – 20:45	3-minute Elevator Pitches x10 & Poster Presentations	Presenters	
20:45 - 22:00	Buffet and Networking		

## MAIN CONFERENCE - Day One 8<sup>th</sup> October 2019 (Rheged Centre)

08:30 Delegate Registration & Exhibition

09:15 Commencement of PLENARY SESSION

09:15 - 09:25	Welcome & Housekeeping	Alastair Laird	Nuclear Institute
09:25 - 09:50	Policy development unlocking the potential for Integrated Waste Management	Umran Nazir	BEIS
09:50 - 10:20	NDA leading the way on Integrated Waste Management	James McKinney & Corhyn Parr	NDA
10:20 - 10:40	An international perspective on Integrated Waste Management	Ian Gordon	IAEA
10:40 - 11:20	BREAK - Refreshments & Exhibition		

### Track 1a

AUDITORIUM	UK Policy/Strategy Framework	SESSION CHAIR – Juliet Long, EA	
11:20 - 11:40	LLWR – 10 years 10 lessons learned	David Rossiter	LLWR
11:40 - 12:00	Drivers for change – how the industrial strategy and nuclear sector deal will improve UK radioactive waste arrangements	Shaun Kelso	NDA
12:00 - 12:20	Local Government: A regulator and partner in radioactive waste management	Phil Matthews	NuLeAF
12:20 – 12:40	Integrated waste management: a national infrastructure challenge	Juliet Long	EA
12:40 – 13:00	Panel Discussion / Q&A		

**Track 1b****LOWER THEATRE****International Radioactive Waste Disposal****SESSION CHAIR – Cherry Tweed, RWM**

<b>11:20 - 11:40</b>	A graded approach for the disposal of Radioactive Waste – IAEA activities	G�rard Bruno	IAEA
<b>11:40 - 12:00</b>	Applying a graded approach in France	Jean-Michel Hoorelbecke	ANDRA
<b>12:00 - 12:20</b>	Low and Intermediate Level Waste disposal in Sweden: from safety functions to detailed design and method of construction	Per M�rtensson	SKB
<b>12:20 – 12:40</b>	Constructing the world’s first repository for spent fuel	Tiina Jalonen	Posiva
<b>12:40 – 13:00</b>	Panel Discussion/Q&A		

**LUNCH & EXHIBITION from 13:00 - 14:00****WORKSHOP ONE 14:00 – 14:55****TITLE: Supporting the Nuclear Sector Deal through Innovative Integrated Waste Management**

NDA - Yvonne Morris / Shaun Kelso

**WORKSHOP TWO 15:05 – 16:00****TITLE: Game changer/Dragons Den Workshop****Grand Challenges – Katherine Eilbeck/Andrew Cooney**

Smart (New) Stores and Store Monitoring / Removing the human from Harms Way

Min waste Volumes / Multi-use Decommissioning Capability / Aggregation and Analysis of Data

**Track 2a****AUDITORIUM****TOPIC TITLE**

Risk Informed Approach to IWM

**SESSION CHAIR – Ed Mathews, Sellafield Ltd**

<b>14:00 - 14:20</b>	The Impact of Prudence and Caution on Safety of Radioactive Waste Treatment Processes	Robert Alford/ Laura Leay	NNL/University of Manchester
<b>14:20 - 14:40</b>	Decontamination: Can you afford the risk of doing it or the risk of not doing it?	Alex Jenkins	Sellafield Ltd
<b>14:40 - 15:00</b>	Characterisation to enable risk informed waste management	Sue Brown	Sellafield Ltd
<b>15:00 - 15:20</b>	Optimisation of waste management and final site end states – delivering the GRR’	Richard McLeod	SEPA/EA
<b>15:20 - 15:40</b>	Transport – how conservative approaches are limiting waste management options	Sarah Bryson	RWM
<b>15:40 - 16:00</b>	Panel Discussion/Q&A		

**Track 2b****LOWER THEATRE****TOPIC TITLE****UK Disposal Session****SESSION CHAIR – Shaun Roberts, RWM**

<b>14:00 - 14:20</b>	Good Practice wrt reclassification of waste from ILW to LLW	Howard Falconer	LLWR Ltd
<b>14:20 - 14:40</b>	Dounreay Disposal Activities	Alan Mowat	DSRL
<b>14:40 - 15:00</b>	Diversion of wastes from SL to LLWR for disposal	Alistair Bell	Sellafield Ltd
<b>15:00 - 15:20</b>	The role of UK Geological Disposal	Samantha King	RWM
<b>15:20 - 16:00</b>	Panel Discussion/Q&A: International & UK – challenges and solutions		

## 7PM - Conference Dinner (Rheged Centre)

### Dinner Schedule & Activity Plan

#### 18:30 Buses leave from Penrith Hotels

<b>18:45</b>	<b>Sponsored Drinks Reception – The Gallery, Rheged Centre</b> Dinner – Blencathra Suite. Assemble from 19:20, serving commences 19:30 Poster Award After Dinner Speakers – Dr Rebecca Weston and the Sellafield Ltd Next Generation Executive
<b>23:00</b>	<b>23:00 Buses Depart Rheged Centre to Penrith Hotels</b>

### MAIN CONFERENCE - Day Two 9<sup>th</sup> October 2019 (Rheged Centre)

#### 08:00 Delegate Registration & Exhibition

#### 08:30 Commencement of PLENARY SESSION

<b>08:30 - 08:40</b>	Welcome back – Main Auditorium	Alastair Laird	Nuclear Institute
<b>08:40 - 09:00</b>	PLENARY - The Waste Management Challenge	Lee Peck	Sellafield Ltd
<b>09:00 - 10:00</b>	PLENARY - Panel Session Presentations <ul style="list-style-type: none"> <li>• SL challenge (Ed Mathews)</li> <li>• DSRL challenge (Sam Usher)</li> <li>• LLWR challenge (Paul Pointon)</li> <li>• MOD Waste challenges (Jim Cochrane)</li> </ul> PLENARY – Panel Session Q&A	Lee Peck <b>(Session Chair)</b>	Sellafield Ltd
<b>10:00 - 10:40</b>	<b>BREAK - Refreshments &amp; Exhibition</b>		

Track 3a AUDITORIUM	TOPIC TITLE Waste Operations – delivering IWM	SESSION CHAIR – Martin Walkinshaw, LLWR Ltd	
<b>10:40 - 11:00</b>	PCM Decommissioning programme completion – a success story	Rob Yetts	LLWR Ltd
<b>11:00 - 11:20</b>	Dounreay rad-waste management	Alan Mowat	DSRL
<b>11:20 - 11:40</b>	Remediation on the Capenhurst Site – Lessons Learnt and Future Work	Alan Wilson	URENCO
<b>12:20 - 12:00</b>	Using alternative permissioning at Berkeley to progress hazard reduction	Alice Craven	Magnox Ltd

Track 3b LOWER THEATRE	TOPIC TITLE Academia / R&D	SESSION CHAIR – Rebecca Ferris, EDFe	
<b>10:40 - 11:00</b>	Technology translation for the nuclear sector	Kirsty Hewitson	NNL
<b>11:00 - 11:20</b>	TRANSCEND: Collaborative Research Programme in Transformative Science and Engineering for Nuclear Decommissioning	Samuel Murphy	Lancaster University
<b>11:20 - 11:40</b>	Horizon 2020: SHARE Project – Understanding Europe’s R&D decommissioning needs	Anthony Banford	NNL
<b>12:20 - 12:00</b>	Enabling Technology Adoption	Andy Cooney	Sellafield Ltd

#### WORKSHOP THREE 10:40 12:00

**TITLE: Delivering the Nuclear Sector Deal – A YGN/WIN Perspective**

Alys Gardner, Cavendish Nuclear YGN & Ava Grossman WiN Cumbria

#### LUNCH & EXHIBITION from 12:00- 13:00

**WORKSHOP FOUR 13:00 14:00****TITLE: Skills and the Waste Profession**

Jacq Longrigg, NDA &amp; Helen Simms, Radioactive Waste Management SIG

<b>Track 4a AUDITORIUM</b>	<b>TOPIC TITLE Waste Operations – delivering IWM</b>	<b>SESSION CHAIR – Lee Peck, Sellafield Ltd</b>	
<b>13:00 - 13:20</b>	Redundant Skip Management	John Campbell	Sellafield Ltd
<b>13:20 - 13:40</b>	Applying pragmatism to enable waste operations – packaging IONSIV components at Magnox	Nick Watt	Magnox Ltd
<b>13:40 – 14:00</b>	The Sellafield Waste Product: An Autopsy of Value	David Connolly	Sellafield Ltd

<b>Track 4b LOWER THEATRE</b>	<b>TOPIC TITLE WASTE Challenges &amp; Thought Leadership</b>	<b>SESSION CHAIR – Tim Chittenden Nuclear Institute</b>	
<b>13:00 - 13:20</b>	Submarine Dismantling Project	Nigel Parsons	MoD Babcock International
<b>13:20 - 13:40</b>	AWE Higher Activity Waste Programme	Geoff Druce	AWE
<b>13:40 – 14:00</b>	Fukushima Experience	Matt Mellor	CREATEC

<b>CLOSING PLENARY</b>		<b>SESSION CHAIR – Alastair Laird Nuclear Institute</b>	
<b>14.10 – 14.30</b>	WNA – A Global Perspective	Doug Kerr	World Nuclear Association
<b>14.30 – 15.20</b>	Supply chain response – Discussion Panel Invited Speakers from: <ul style="list-style-type: none"> <li>• Wood Group</li> <li>• Cavendish Nuclear</li> <li>• Orano</li> </ul>	10 min Presentations /20 min Panel Q&A NSD deal challenge & AM plenary response	
<b>15:20 – 15:30</b>	Closing Remarks – YGN/WiN	Nuclear Institute	
<b>15:35</b>	<b>*** EVENT CLOSES ***</b>		

All speakers confirmed at the time of publishing this programme. Circumstances may occur that prevent as published participation and could lead to a speaker or topic alteration.