

## NIRAB Meeting

Thursday 29<sup>th</sup> June 2023, 10:30-16:00.

ETC Venues, Manchester and virtually on MS Teams

### Attendees

NIRAB Members: Francis Livens (Chair), Gordon Bryan, Gregg Butler, Alun Ellis, Edoardo Patelli, John Stairmand, Allyson Armet, Malcolm Joyce, Maggie Brown, Martin Goodfellow, Mike Lewis, Kirsty Armer, Kirsty Gogan,

BEIS: Si Dilks, Ian Johnson

NIRO: Dan Mathers, Liv Thompson (secretary), Greg Black, Nick Underwood, Paddy Ingram, Jeff Holliday, Gavin Dobbin, Gary Bolton

Observers: Ian Streatfield (EA); David Smeatham (ONR)

Apologies: Fiona Rayment, Greg Evans, Jane Nicholson, Simon Franklin

### 1. Meeting Administration

- 1.1. Meeting minutes from plenary held on March 9<sup>th</sup> were accepted without any alternations.
- 1.2. Outstanding actions generated from previous meetings were summarised and the Board agreed that all are now complete.

### 2. Chair Update Professor Francis Livens

The Chair welcomed everyone to the meeting and explained that the focus of this plenary would be focussing on understanding the work each of the working groups had done to date and ensuring that the group were focussing on production of the AMR roadmap by the end of the year.

### 3. Main Meeting Agenda

#### 3.1. Update from NIRO

NIRO have recently welcomed two new members to the team. NIRO are working on a large variety of projects at the moment including:

- Siting, AMR,
- Fuel policy team
- ND medical Isotopes
- GBN
- FNEF
- Skills and Sovereign Capability
- International capabilities
- UK-Canada and UK-US bilateral
- Reactor, fuels modelling and simulation, space batteries and enabling technologies (e.g., graphite irradiation testing)
- NEA working groups



### 3.2. Update from Department of Energy Security and Net Zero

- 3.3. There is a “nuclear moment” scheduled for end of July where details of GBN will be announced. Additional announcements on AMR phase B vendors are expected at this time.
- 3.4. The nuclear cluster teams will shortly be moving from Victoria Street to their new offices in Whitehall.
- 3.5. UK-US collaboration has recently benefited from a visit by UK government representatives to the US.

## 4. Use Case Working Groups

The NIRAB Delivery, Use Case, and Technology leads provided an update on working group activities and their thoughts on the forward programme, with the aim to provide a detailed input into the September plenary.

## 5. Summary of Lunch and Learns

There have been 7 lunch and learn sessions organised by NIRO this year on

- Graphite (Manchester University) 22/2/23
- Nuclear thermal hydraulics (Manchester and Sheffield Universities) 28/02/23
- TRISO fuel (NNL) 25/04/23
- Codes and standards (EDF) (06/05/23)
- Hartlepool heat hub (EDF) 05/06/23
- HTGR reactor physics-thermal hydraulics (Jacobs) 20/06/23
- Fuel Performance (NNL) 27/6/23

Further guest speakers/ expert talks are scheduled over the next few months.

## 6. AOB

No further AOB was noted.

The next NIRAB meeting will be held in London in September

