



Engineering and  
Physical Sciences  
Research Council

# National Nuclear User Facilities

Sept 2021  
Neil Bateman



# Thank you!

## Phase 2 (2019 funded)

- 2 projects have green status and are on schedule.
  - 9 projects have green status as they have been delayed but are now open for users.
  - Due primarily to COVID-19, 4 projects have amber status.
  - 1 project has red status.
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- Finances are still disrupted
  - We anticipate further problems.
  - Projects are encouraged to make back as much time as possible!

# NNUF Phase 2a

Start has been delayed due to Covid finance disruption.

October 1<sup>st</sup> 2021 start date  Sept 31<sup>st</sup> 2023 end date

Grant Reference	Grant Title	PI	Holding Institution
EP/V035215/1	Platform for Long-term Experimental Investigation of Alteration in Disposal Environments and Storage - PLEIADES	Claire Corkhill	University of Sheffield
EP/V035649/1	Development of an in-situ characterisation facility for both proton and neutron irradiation	Yu-LungChiu	University of Birmingham
EP/V035673/1	Enhancing Materials Irradiations through Thoughtful Shielding (EMITS)	Fred Currell	The University of Manchester
EP/V035509/1	A National Focused Ion Beam Facility for Active Materials	Tom Scott	University of Bristol
EP/V035576/1	NNUF2a: Plasma FIB for UK Nuclear Development (PFUND)	Michael Moody	University of Oxford
EP/V035584/1	A NATIONAL FOCUSED ION BEAM FACILITY FOR ACTIVE MATERIALS	Victor Kuksenko	CCFE/UKAEA
EP/V035878/1	NUclear Fission REactor Thermal-Hydraulics (NUFRETH)	Andrea Cioncolini	The University of Manchester
EP/V035789/1	Nuclear Fission Reactor Thermal-Hydraulics (NUFRETH) - UKAEA	Chris Harrington	CCFE/UKAEA
EP/V035886/1	RadiAEM: Analytical Electron Microscope with in situ capability for beta, gamma active materials	Grace Burke	The University of Manchester
EP/V035738/1	RadiAEM: Analytical Electron Microscope with In Situ Capability for beta, gamma Active Materials	Joven Lim	CCFE/UKAEA
EP/V034898/1	MUltiphase Fluid Flow In Nuclear systems (MUFFIN)	Bruce Hanson	University of Leeds
EP/V035223/1	Bangor University Fuel Fabrication Facility (BUFFF)	Simon Middleburgh	Bangor University
EP/V035495/1	NNUF2a: Facility for Radioactive Materials Surfaces (FaRMS)	Ross Springell	University of Bristol
EP/V035851/1	FaSCiNATe: Facility for the Structural Characterisation of materials for Nuclear Applications operating at high Temperatures	Steve van Boxel	CCFE/UKAEA

# Next steps

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- Continued commissioning of phase 2 (2019)
  - Projects are requested to try to make up as much lost time as possible
  - Facilities that are operational should start reporting on the use of their facilities.
  - Management group will begin collecting this data.
  - Facilities should begin planning for becoming self supporting beyond April 2023.
- Irradiated Materials Archive decision due shortly.
- Commencement of Phase 2a projects
  - Remember to let me know any requested changes to spend profiling.
  - Let us know ASAP of any changes to circumstances!

**Thank You**

**Questions?**