NTR-NET SIGMA DATA CHALLENGE 2 SCHEME (2025)

Applications to the Sigma Data Challenge 2 are welcomed from researchers who are working within UK universities. We welcome collaborations between UK universities, UK companies and/or UK government laboratories.

With this application you can either apply for access to the data only, or for access to the data and funding to carry out the project. If you wish to apply for project funding, please fill in also the ‘Timetable’ and ‘Budget’ sections. We will fund approx. 5 projects up to a maximum of £4,000 per project.

All members of the challenge must sign the Terms & Conditions form and are expected to present either at NuFor (Oct-2025) or NuSec (Spring-2026) conference. For projects that have been granted NTR-Net funding, the Principal Investigators are expected to provide a Project Summary Report (around 2 pages) describing the outcomes of the project, including an Executive non-technical Summary, which will be required by 30 September 2025.

Applications with signed Terms & Conditions form must be e-mailed to ntr-net@bristol.ac.uk. For the applications in which project funding is requested, the application deadline is by midday, Tuesday 22nd April 2025. Decisions will be communicated to applicants by 31st May 2025.

# Publications and Presentations on results are subject to AWE's ‘Permission to Publish’ process (please request details from ntr-net@bristol.ac.uk).

# For further information, please email ntr-net@bristol.ac.uk.

# For details of previous NuSec Network funded Sigma Data Challenge (2022) please click here

https://www.nusec.uk/data-challenge

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|  | Sigma Data Challenge Application Form |

### Please keep to 2 sides of A4 – delete guidance notes and resize sections as required.

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| Investigators |  |
| Research Team name |  |
| University |  |
| Contact email |  |
| Contact phone |  |
| Project title |  |

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| Non-Technical Project Summary*Explain in general terms the objectives of the work and its relevance to government end-users.* |
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| Project Idea (What you intend to do)*Describe the project in terms of the technical work that is going to be undertaken.* *Clearly describe the aim of the project and the steps to achieve that.**Describe why it is applicable to Nuclear Threat Reduction and the novelty of the approach.* |
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| Experience of the PI (Why you are able to do it)*Give a brief description of the experience, capability and facilities of the people who will work on the project.**Note which subject/courses any students will be drawn from.* |
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| Timetable (fill this section if you are applying for project funding)*Outline a timetable for the project and for each key work area NB. Projects should be completed by with the expectation to present either at NuFor (Oct 2025) or NuSec (Mar 2026) as per T’s & C’s*  |
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| Budget (fill this section if you are applying for project funding)*List the significant items that the budget is used for e.g., student stipend, materials (software), consumables, travel expenses. NB The maximum project budget is £4000. Students Stipends should not normally be below the current SEPNET rate of £1,710 per month.* |
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PLEASE READ AND SIGN THE TERMS AND CONDITIONS ON THE NEXT PAGE!

**Terms and Conditions for use data**

**AWE Sigma Data**

* Data should be used for the sole purpose of the activities outlined in your Sigma Data Application.
* Data will be deleted from all systems when those activities are finished or upon the request of Homeland Security Group, Home Office (HSG).
* HSG will remain the data owners and participants will not share the data with any other party unless given specific permission from HSG.
* Sigma data is open but subject to HSG approvals for usage.
* Publication of results arising from this research is encouraged but is subject to the AWE Permission to Publish process.
* Participants are expected to present their findings at the NuFOR conference in October 2025 or Nusec technical workshop in Spring 2026 depending on the technical target audience.

**RADAI-EX Data set**

* The RADAI data set is an open source data set developed by LBNL, ORNL and LANL. The usage of this data is covered by its own T&C’s which can be found at <https://bdc.lbl.gov/>

**Declaration**

Please sign below to confirm that you and your research team have read and agreed to the AWE and RADAI Terms and Conditions of this Data Challenge.

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| --- | --- | --- |
| Name: | Signature: | Date: |
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