**RSO Radiochemistry Discipline**

**PDRA Call: Application form**

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| Project title | ***Development and verification of fundamental analytical techniques for radionuclide and stable element measurement in hypersaline fluids*** | | |
| Investigator(s) |  | | |
| University / Organisation |  | | |
| Lead investigator contact details | Address |  | |
| Tel. no |  | |
| Email |  | |
| Has the lead investigator received funding from NWS previously? | | | Y/N |
| If yes, provide details |  | | |

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| **List the main objectives of the proposed project** (max 100 words) |
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| **Summary** (max 500 words)  Describe the proposed project in simple terms in a way suitable for a general audience |
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| **Confirm that the grant agreement would be signed in time to issue an initial invoice to NWS by 27th March 2025.** |
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| **Confirm that you will accept the NWS terms and conditions if awarded funding** |
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| **Provide clear details of the proposed research and provide a timeline for the proposal with key milestones. (Note, we are expecting the project to last around 18 months, with flexibility)**  Please provide a clear project proposal demonstrating alignment to the brief and define the necessary timescales, including a project work plan and/or Gantt chart. If experimental work will be undertaken, a clear strategy for delivering, analysing and synthesising appropriate data should be detailed including details of reports, presentations and publications that are expected to arise.  Responses should include:  - A demonstrable expert understanding of the challenge area, referring to the research brief;  - A project plan / Gantt chart showing key phases of work, milestones and deliverables. NWS will implement a staged payment plan, following the initial kick-off payment, covering the deliverables.  - Clearly defined input / time / resources that would be required from NWS, to support or enable the project, such as subject matter expert meetings, security clearance;  - Identify any major risks to the research and mitigation that can be considered against these risks, including any risks of the research to be extended past agreed period of time;  Max 2000 words including Gantt chart / Arial 11 font |
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| **Please outline how the proposed research builds on existing knowledge and practice.**  Clearly articulate where the proposal builds on existing understanding in the field, and how the proposal takes into account any changes that have taken place (technical, political, societal, etc) since any previous work in the topic was carried out and how the provided proposal is new research, not previously carried out in this context. 1 page max/ Arial 11 font |
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| Please describe how the learning gained may be best communicated with the public to support wider understanding of the work’s influence on GDF safety.  Describe how the learning outcomes of the project could provide reports, papers or other communication that enable interested parties to understand how waste product evolution impacts the safe delivery of a UK GDF. 1 page max/ Arial 11 font |
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| **Please show how the supervisory team has the required expertise in the relevant areas.**  This section will be assessed in relation to career stage and experience. The inclusion of early career researchers, and / or researchers new to the nuclear industry, in the supervisory team is welcomed. Half a page max / Arial 11 font  Please also attach a 1-2 page CV for the PI |
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| **Please provide a costed proposal, identifying additional ‘in-kind’ contributions which you can bring to the project. Note that the NWS indicative budget is £200,000.** | | |
| **Fund heading** | **Description (itemised to the nearest £1K)** | **Cost (£)** |
| **Researcher salary** |  |  |
| **Investigator salary and overheads** |  |  |
| **Travel & Subsistence** |  |  |
| **Consumables** |  |  |
| **Directly allocated costs** |  |  |
| **Other** |  |  |
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| Please add any details of funding gearing that you will bring to the project, either anticipated or confirmed (e.g. support for analysis, beamtime access and value). If applicable, demonstrate ability to secure any further required funds or in-kind contributions to enhance the project. Include evidence of support where relevant. | | |
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