Access to High Performance Computing facilities 2024 opportunity

UKRI community webinar

12th March 2024

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Webinar process

- 30 min presentation on Access to HPC opportunity

- 30 min Q&A session
    - Pose questions using the Q&A feature
    - Will try to answer as many questions as possible today
    - Might need to take some offline
    - Summary of all Q&A will be placed on Funding Finder

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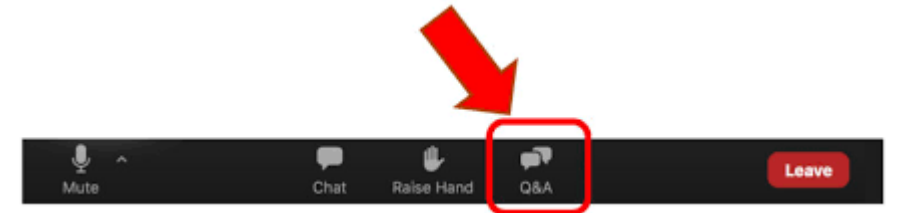
What is the Access to High Performance Computing opportunity?

- Open and flexible route to computational support
  - high quality projects
  - across the entire UK Research and Innovation (UKRI) remit.

- Purely for compute resource for up to 12 months
  - no funding is available to successful applicants.

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Access to High Performance Computing

Scope, including but not limited to:
- extended feasibility or proof of concept studies
- computational projects which may not warrant a full grant application
- computational projects aiding the preparation of a full grant or fellowship application
- collaborations with industrial and international partners

We particularly encourage applications that:
- involve early career researchers
- provide an opportunity to onboard and train new users
- significantly push the boundaries in computational research using HPC in your field

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Who can apply?

- This opportunity is open to eligible researchers from across the UKRI remit *

Tier2 services	ARCHER2
• UKRI wide-remit • Up to 9 months	• EPSRC-remit only • Up to 12 months

* to recognise the funding for Tier2s from the UKRI Digital Research Infrastructure Programme until 31/03/25

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Who can apply?

- Research technical professionals, including research software engineers, are eligible to be a project lead or co-lead

- Students looking to access the HPC resources through this application route must seek an eligible project lead to apply on their behalf

- You can only be a project lead or co-lead on a maximum of one proposal to each service

- Each proposal you are included for as a project lead or co-lead must be a unique and distinct project

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Compute resources available

- ARCHER2, Tier-1 national supercomputer service
  - EPSRC-remit research only, projects up to 12 months duration
  - NERC-remit research should follow the separate established process

- Tier-2 HPC services (UKRI-wide remit)
  - CDS3
  - Kelvin-2 (NI-HPC)
  - Cirrus
  - Bede (NICE)
  - Baskerville
  - Sulis

A Technical Assessment from the service you are applying to will only be required should your application be successful

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How to apply

- We are running this funding opportunity on the new UKRI Funding Service

- EPSRC must receive your application by 23 April 2024 at 4:00pm UK time

- Make sure you are aware of and follow any internal institutional deadlines

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Application questions

- Summary
- Core Team
- HPC service requested
- HPC resources requested
- High End Computing (HEC) consortia
- **Vision and Approach**
  - Page limit 2, 3 or 4, depending on level of resources requested

- **Applicant and team capability to deliver**
- **Computing resources and justification**
- **Ethics and responsible research and innovation (RRI)**
- Genetic & biological risk, use of animals, research with animals overseas, human participation, human tissues or biological samples

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Assessment criteria

- Vision and Approach

- Applicant and team capability to deliver

- Computing resources and justification

- Ethics and responsible research and innovation (RRI)

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Assessment process

- Peer review
  - Reviewers from across the UKRI remit, provided by UKRI colleagues
  - Reviewers will score the proposals and thereby place them within bands

- Service assignment
  - Resources from the requested services will then be allocated to the highest band projects, using a partial randomisation pilot approach*
  - If all projects within the highest band receive resources, any remaining resources will then be allocated randomly to projects in the next band
  - Resources are allocated until the budget is exhausted

* Peer review remains key, as only applications over the quality threshold can receive funding

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Any questions?