HEC-WSI Annual Workshop 2023 (online)
16th October 2023

HEC-WSI
a High End Computing Consortium for Wave Structure Interaction

HEC-WSI Access Modes

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University of Bath
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The University of Manchester
Newcastle University
Science and Technology Facilities Council
Engineering and Physical Sciences Research Council

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a High End Computing Consortium for Wave Structure Interaction

The HEC-WSI offers access to the ARCHER2 Service!

HEC-WSI Access Modes

- The HEC-WSI currently offers 3 access modes (plus a dedicated allocation for early career researchers (ECRs) incl. training and support):
  - Porting & Benchmarking (PB);
  - Code Development (CD), and;
  - Project Access (PA).

- Open to international and industry collaborators provided the ARCHER2 usage aligns with the aims of the HEC-WSI

https://hec-wsi.ac.uk/access-resource/access-modes/

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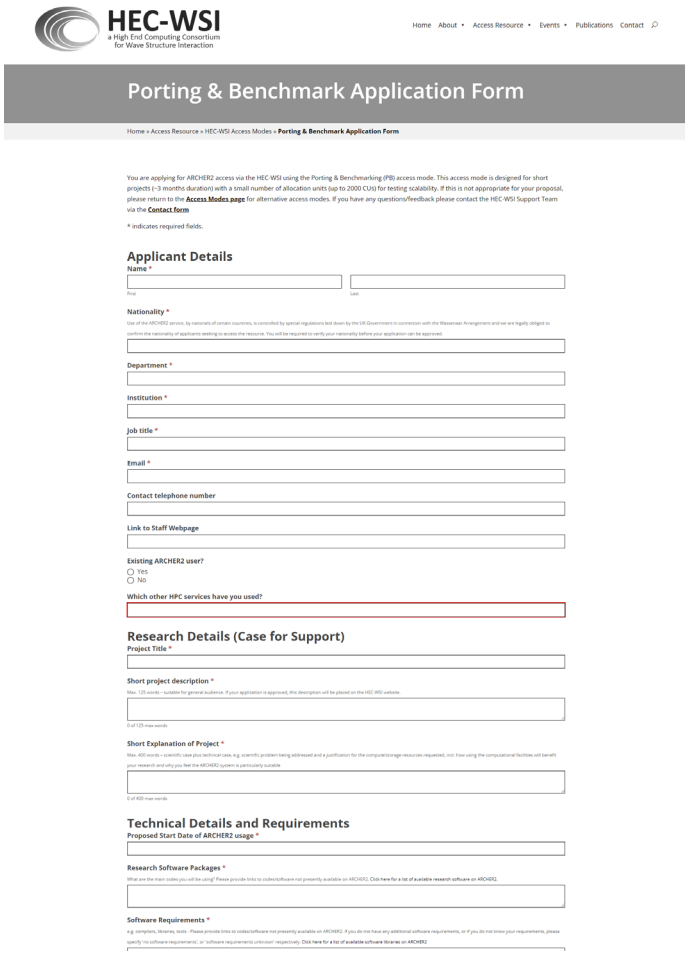
Porting & Benchmarking (PB) access mode

- **Call type:** Always open
- **Duration:** Short projects (< 3 months)
- **Allocation:** small number of units (< 2000 CUs) for testing scalability
- **Application:** online form (super-light)
- **Assessment:** Reviewed/approved by HEC-WSI Management Team on a monthly basis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Home About Access Resource Events Publications Contact

Porting & Benchmark Application Form

Home » Access Resource » HEC-WSI Access Modes » Porting & Benchmark Application Form

You are applying for ARCHER2 access via the HEC-WSI using the Porting & Benchmarking (PB) access mode. This access mode is designed for short projects (~3 months duration) with a small number of allocation units (up to 2000 CUs) for testing scalability. If this is not appropriate for your proposal, please return to the Access Modes page for alternative access modes. If you have any questions/feedback please contact the HEC-WSI Support Team via the Contact form

* indicates required fields.

Applicant Details

Name *

First Last

Nationality *

Use of the ARCHER2 service, by nationals of certain countries, is controlled by special regulations laid down by the UK Government in connection with the Wassenaar Arrangement and we are legally obliged to confirm the nationality of applicants seeking to access the resource. You will be required to verify your nationality before your application can be approved.

Department *

Institution *

Job title *

Email *

Contact telephone number

Link to Staff Webpage

Existing ARCHER2 user?

Yes

No

Which other HPC services have you used?

Research Details (Case for Support)

Project Title *

Short project description *

Max. 125 words – suitable for general audience. If your application is approved, this description will be placed on the HEC-WSI website.

0 of 125 max words

Short Explanation of Project *

Max. 400 words – scientific case plus technical case, e.g. scientific problem being addressed and a justification for the compute/storage resources requested, incl. how using the computational facilities will benefit your research and why you feel the ARCHER2 system is particularly suitable

0 of 400 max words

Technical Details and Requirements

Proposed Start Date of ARCHER2 usage *

Research Software Packages *

What are the main codes you will be using? Please provide links to codes/software not presently available on ARCHER2. Click here for a list of available research software on ARCHER2.

Software Requirements *

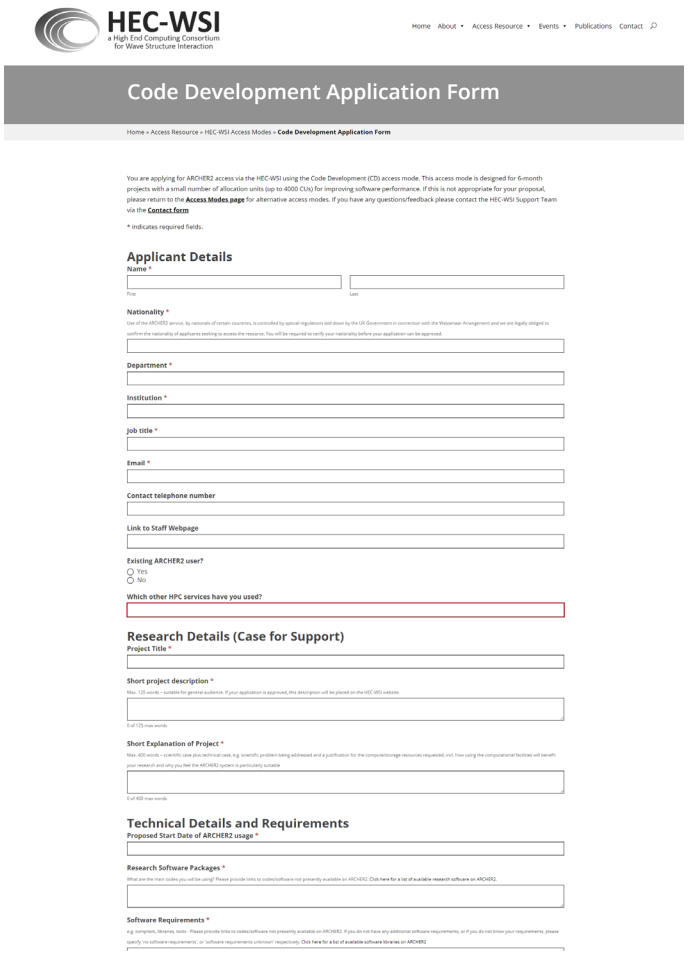
e.g. compilers, libraries, tools - Please provide links to codes/software not presently available on ARCHER2. If you do not have any additional software requirements, or if you do not know your requirements, please specify 'no software requirements', or 'software requirements unknown' respectively. Click here for a list of available software libraries on ARCHER2

https://hec-wsi.ac.uk/access-resource/access-modes/porting-benchmark-application-form/

Code Development (CD) access mode

- **Call type:** Always open
- **Duration:** Mid-length projects (< 6 months)
- **Allocation:** small number of units (< 4000 CUs) for improving software performance
- **Application:** online form (super-light)
- **Assessment:** Reviewed/approved by HEC-WSI Management Team on a monthly basis

https://hec-wsi.ac.uk/access-resource/access-modes/code-development-application-form/



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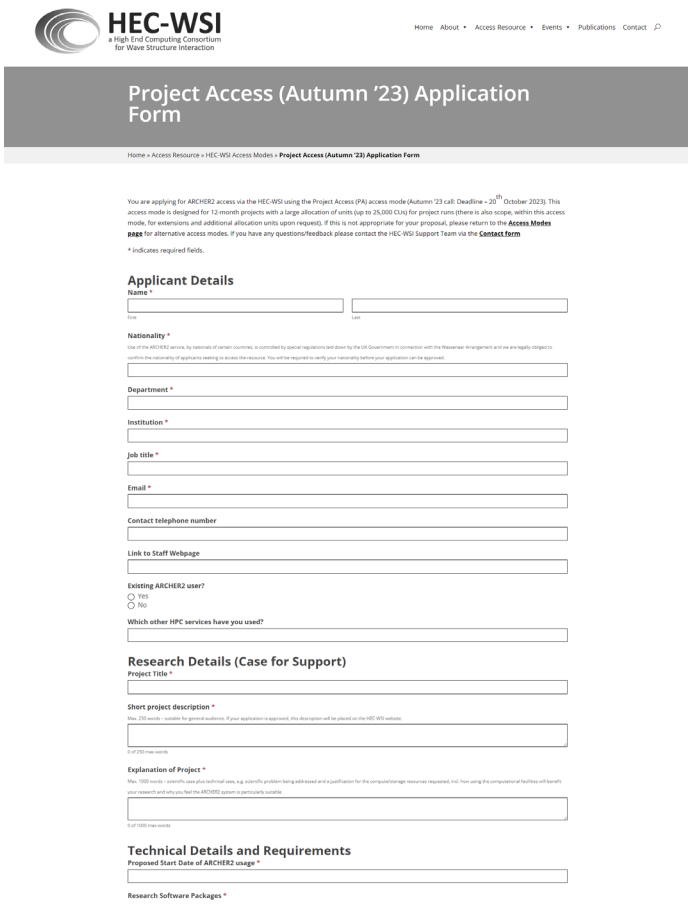
Project Access (PA) access mode

- **Call type:** periodic calls

****Autumn ’23 call (closing date 20th Oct. ’23)****

- **Duration:** longer projects (< 12 months)
- **Allocation:** large allocation (< 25,000 CUs) for project runs
- **Application:** online form (light)
- **Assessment:** Reviewed/approved by a Project Access Panel (HEC-WSI Management Team + external observer(s), 1 month after call closes

https://hec-wsi.ac.uk/access-resource/access-modes/project-access-application-form/



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Project Access (Autumn ’23) Application Form

Home » Access Resource » HEC-WSI Access Modes » **Project Access (Autumn '23) Application Form**

You are applying for ARCHER2 access via the HEC-WSI using the Project Access (PA) access mode (Autumn '23 call: Deadline – 20th October 2023). This access mode is designed for 12-month projects with a large allocation of units (up to 25,000 CUs) for project runs (there is also scope, within this access mode, for extensions and additional allocation units upon request). If this is not appropriate for your proposal, please return to the **Access Modes page** for alternative access modes. If you have any questions/feedback please contact the HEC-WSI Support Team via the **Contact form**

* Indicates required fields.

Applicant Details

Name *
First Last

Nationality *
Use of the ARCHER2 service, by nationals of certain countries, is controlled by special regulations laid down by the UK Government in connection with the Wassenaar Arrangement and we are legally obliged to confirm the nationality of applicants seeking to access the resource. You will be required to verify your nationality before your application can be approved.

Department *

Institution *

Job title *

Email *

Contact telephone number

Link to Staff Webpage

Existing ARCHER2 user?
Yes
No

Which other HPC services have you used?

Research Details (Case for Support)

Project Title *

Short project description *
Max. 250 words – suitable for general audience. If your application is approved, this description will be placed on the HEC-WSI website.
0 of 250 max words

Explanation of Project *
Max. 1000 words – scientific case plus technical case, e.g. scientific problem being addressed and a justification for the compute/storage resources requested, incl. how using the computational facilities will benefit your research and why you feel the ARCHER2 system is particularly suitable.
0 of 1000 max words

Technical Details and Requirements

Proposed Start Date of ARCHER2 usage *

Research Software Packages *

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Early Career Researcher (ECR) access mode

- **Call type: Always open**
- **Eligibility:** < 8 years since PhD award and/or < 6 years since first academic appointment
- **Duration:** any (< 12 months)
- **Allocation:** any (< 25,000 CUs) incl. training and support*
- **Application:** online form (super light - light)
- **Assessment:** Reviewed/approved by HEC-WSI Management Team on a monthly basis

*precise details still under development

https://hec-wsi.ac.uk/access-resource/access-modes/early-career-researcher-application-form/