Cirrus Director’s Time: Application Form

**Note: this form is for University of Edinburgh researchers only. Technical Assessment forms for other access routes can be found on the Cirrus website at http://www.cirrus.ac.uk/access**

**Instructions:**

1. Complete Section 1 below as fully as possible. If you have any questions or require clarification, please contact the Cirrus helpdesk ([support@cirrus.ac.uk](mailto:support@cirrus.ac.uk))
2. Return the completed form (as a Word document) to the Cirrus helpdesk ([support@cirrus.ac.uk](mailto:support@cirrus.ac.uk)).
3. The Cirrus CSE team will complete Section 2 and will contact you directly for more information if it is required. This may take up to 10 days from receipt of the completed form.
4. You will be notified by the Service Desk of the outcome of this application and, if successful, a project will be created for you and your users on the Cirrus service.

**Notes:**

* Director’s Time Projects should demonstrate a benefit to the University of Edinburgh
* Director’s Time Access is available for all research areas.
* All projects will need to be completed by the end of the ARCHER2 Service.
* All data will need to be removed at the end of the project.

Completion of this form implies permission for user details to be stored in the Cirrus and Research Councils’ databases and to be used for mailing, accounting, reporting and other administrative purposes.

# Section 1: Resources and Case for Support (*To be completed by the applicant*).

1. **Project Information.**
   1. **Project Title:** [Enter project title]
   2. **Project Abstract:** [Enter project abstract (max 100 words)]
   3. **PI Name and Contact Details.**

|  |
| --- |
| [Please Complete Table] |
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* 1. **Names, Departments and Institution of Collaborator(s)**

|  |  |
| --- | --- |
| **Name:** | [Include details of any collaborators] |
| **Department:** |  |
| **Position Held:** |  |
| **e-Mail:** |  |

* 1. **Proposed start date :** [Enter start date]
  2. **Project Duration:** [Enter project length (typically 12 months with a further 12 months extension available following a review after the initial 12 months. We would encourage applicants to apply for further resources via UKRI calls where available ]

1. **Previous Use of HPC/Data Analytic Resources.** 
   1. **Which other HPC/Data Analytic services have you used?**

[Enter list of other HPC services]

* 1. **If you have used other HPC/Data Analytic services, please provide a summary of the number of Core-h/GPU-h used and the types of jobs run (codes, core counts, typical job lengths):**

[Enter summary of previous service usage]

1. **Cirrus Software and Support Requirements.**

## Summary of software requirements.

**What are the main codes you will be using? Please provide links to codes/software where possible.**

[Enter list of codes with links to descriptions if possible]

**Software requirements (e.g. compilers, libraries, tools):**

[Enter list of software requirements to support your use of Cirrus]

1. **Proposed Use of Cirrus Resources.** 
   1. **Compute resource specification**

**Total Core-h for CPU node use:** [Enter total Core-h from resource calculation specified in Section 5 below]

**Total GPU-h for GPU node use:** [Enter total GPU-h from resource calculation specified in Section 5 below]

* 1. **Disk space requirements.**

The default disk space granted to projects is:

**10 GiB /home**: For project critical files (e.g. source code).

**250 GiB /work**: Large, high-performance, not backed-up. For input and output from calculations.

**Disk Space:** [Specify disk space requirements if larger than default]

Please provide a justification for the additional disk space (max 100 words)

* 1. **How do you plan to transfer data from Cirrus to elsewhere?**

All data will need to be removed at the end of the project. You may find the Cirrus Data Section in the documentation useful: <https://docs.cirrus.ac.uk/user-guide/data/>

[Please describe the mechanism you will use to transfer data from Cirrus to external sites for further analysis or archive. Please also state the sites that you will be transferring data to. You should also state roughly the amount of data that will be transferred in each transfer instance (i.e. how will the transfers be batched up).

1. **Case for Support**

Please provide a brief summary (maximum 2 pages) stating why you are applying for Cirrus access. This should cover:

* Research problem being addressed
* Justification for the compute resources requested (how did you arrive at the total Core-h and GPU-h specified in 4.1 above)
* Justification of the disk space requested if more than 250 GiB (how did you arrive at the figures specified in 4.2 above)

[Enter Case for Support]

1. **Benefits to the University of Edinburgh**

Please provide a brief summary (maximum 300 words) stating what benefit the Director’s Time will provide to the University of Edinburgh.

[Enter Benefits to the University of Edinburgh]

# Section 2: Technical Assessment (*To be completed by CSE team).*

**Date Received by CSE:** [Enter received date]

|  |  |
| --- | --- |
| Do the applicants have the technical expertise required for the proposed work? | Yes/No |
|  | |

|  |  |
| --- | --- |
| Is the software specified technically suitable for Cirrus? | Yes/No |
|  | |

|  |  |
| --- | --- |
| Is the compute time and the amount of storage requested reasonable? | Yes/No |
|  | |

|  |  |
| --- | --- |
| Will the requested Director’s Time allocation bring benefit to the University of Edinburgh? | Yes/No |
|  | |

|  |  |
| --- | --- |
| Does the project require the technical capabilities of Cirrus? | Yes/No |
| Would a different computing resource be more appropriate such as ARCHER2? | Yes/No |
|  |  |

**Is the application, as outlined above, suitable for access to the Cirrus service?** **Yes / No**

**Name:** [Enter name]

**Position:** [Enter job title]

**Date:** [Enter date completed]