

LinkSCEEM/Cy-Tera Preparatory Access ▾

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Applicant Information

Required fields are shown in red.

A primary goal of the LinkSCEEM project is to encourage and increase the use of regional high performance computing resources. This application for preparatory access is intended for all those who wish to explore the possibilities provided by of these technologies in their research.

- Applications are encouraged from all scientific fields and from all levels of experience
- The purpose of this application form is to attempt to match the applicants needs to those available from the project
- Applications undergo ONLY technical review to ensure the project is feasible on the systems available

We realise that you may not be able to answer all questions completely, please fill out the form to the best of your ability: the more information you provide, the better LinkSCEEM can address your needs.

[Title](#)

Please enter the title of your research project here.

Please use standard title capitalization, neither ALL CAPS nor all lower case.

Title

[Research field](#)

Research field (Maximum 10 words)

0 words

[Type of proposal & resources request](#)

- Type A - Code scalability testing:
Scalability testing to obtain scalability plots which can be used as supporting information when applying to future Cy-Tera or LinkSCEEM project calls.
Please fill out questions 1.1-2.2 of the project information section of the application form.
- Type B – Code development:
Code development and optimization by applicant (without Cy-Tera or LinkSCEEM support).
Please fill out parts 1.1-2.3 of the project information section of the application form.
- Type C – Code development with support:
Code development and optimization by applicant with support from Cy-Tera or LinkSCEEM experts.

Please fill out parts 1.1-3.3 of the project information section of the application form.

Select the applicable category

- Type A - Code scalability testing
- Type B – Code development
- Type C – Code development with support

Which resource centers are you requesting access to?

- Bibliotheca Alexandrina
- Cyl/CaSToRC
- NARSS

Principal Investigator (personal data and contact) Information

Please insert personal data and contact details **as they appear on your passport.**

Import your contact info here?

Title	First/Given Names & MI	Last/Family Name
<input type="text"/>	<input type="text"/>	<input type="text"/>
	Email	Company/Institution i
	<input type="text"/>	<input type="text"/>
	Department	Professional Title
	<input type="text"/>	<input type="text"/>
Address 1	Address 2	City
<input type="text"/>	<input type="text"/>	<input type="text"/>
State/Province	Postal Code	Country
<input type="text"/>	<input type="text"/>	<input type="text"/>
Primary Telephone	Alternate Telephone	Fax
<input type="text"/>	<input type="text"/>	<input type="text"/>
Website	Primary Work Location (Country or Region)	
<input type="text"/>	<input type="text"/>	

Send email notification to this Principal Investigator (personal data and contact)? Yes

Collaborator Information

List of authors, excluding yourself, in the correct order, exactly as you would like them to appear in future correspondence. Please, double check spelling, names & email addresses, etc.

1.1: Summary of the project

1.1: Summary of the project (Maximum 200 words)

0 words

1.2: Scientific case for the project

1.2: Scientific case for the project (Maximum 500 words)

0 words

1.3: Computational Resources Requested

Please detail here the amount of computational resources you require, for example:

- Total CPU time required (in core hours)
- Total storage required (in Gbyte, *this is only available for the duration of the preparatory access project*)
- Maximum amount of memory per core (Mbyte)
- Any other resource dependencies known

1.3: Computational Resources Requested (Maximum 200 words)

0 words

2.1: Application software details

If known, please provide the following information on the simulation software required by your project:

- Name and version
- Any software dependencies (such as special compilers, libraries, software applications, etc.)
- Webpages or other references
- Licenses required; If the code is open source please state "open source".

2.1: Application software details (Maximum 200 words)

0 words

2.2: Algorithms and Parallelisation of Application Software

If known, please briefly describe the main algorithms used (e.g., conjugate gradient) and whether they have been parallelized.

If they are parallelized how is the parallelisation implemented (MPI, CUDA, etc.)?

2.2: Algorithms and Parallelisation of Application Software (Maximum 300 words)

0 words

2.3: Enabling/optimization work required

Describe the application enabling/optimization work that needs to be performed to achieve the target performance. This may include factors such as, for example:

- Implement parallelisation such as MPI, OpenMP, hybrid, CUDA, OpenCL etc.
- Improve I/O
- Reduce global communication

2.3: Enabling/optimization work required (Maximum 300 words)

0 words

3.1: HPC Personnel Resources Required

Which computational performance limitations do you wish Cy-Tera or LinkSCEEM to solve? Please also specify a rough estimate for the amount of person months this work entails.

3.1: HPC Personnel Resources Required (Maximum 200 words)

0 words

3.2: Level of collaboration with HPC experts

Describe the level of collaboration with Cy-Tera or LinkSCEEM experts you have planned for and how much effort (person months) you have reserved for this?

3.2: Level of collaboration with HPC experts (Maximum 200 words)

0 words

3.3: Expected impact of optimization

Describe the impact of the optimization work proposed

- Is the code widely used?
- Would the code be used only within this original research project?
- Would the code be used for other similar research projects with minor modifications?
- Would the code be used in many research projects of the research field indicated in the proposal?
- Would the modification be easy to add to the main release of the software?

3.3: Expected impact of optimization (Maximum 300 words)

0 words

Save as Draft

Submit as Completed

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