EPSCoR Computational Resource Renewal Application

Background:

Rhode Island NSF EPSCoR is working with the Brown University Center for Computation and Visualization (CCV) to promote the use of cyberinfrastructure, computational science, and bioinformatics in the study of the responses of marine life to climate variability.

There is funding available for processing, data storage, and technical support at the Center for Computation and Visualization for researchers working on EPSCoR related projects. This form is to renew a previously approved application to be an EPSCoR-user of the CCV.

Resources Available for EPSCoR-Themed Projects:
**Resources are to support specific approved projects and not simply generally assigned to a researcher, group account, or researcher categories.

1) Highest priority access to the EPSCoR 1000+ core condo maintained and supported by the CCV.
2) Data Storage purchase (CCV priced at $750 per TB) and includes automatic backup and storage for up to six years.
3) Highest priority access to the Scale-MP “Fat Node” of 1.5 TB memory which is extremely useful for de novo genome assembly from fragment reads (access needs to be set up through CCV on a per job basis – i.e. no queuing software available at this point).

EPSCoR Research Technical Support Consultation:
**Consultations to support specific approved projects are limited at this time due to funding constraints.
4) Researchers interested in bioinformatics consultation and/or training support should contact Dr. Gurcharan Khanna, Executive Director CCV (401-863-2589; gurcharan_khanna@brown.edu).
5) Researchers interested in technical support for Proteomics should contact Dr. Mandar Naik, Manager of the Structural Biology Core Facility & NSF/EPSCoR Proteomics Shared Facility (401-863-5366; mandar_naik@brown.edu).
6) All other requests for technical assistance should be referred to Dr. Geoffrey Bothun, EPSCoR Project Director and Principal Investigator, (401-874-9518; gbothun@uri.edu).

EPSCoR Track I RII 2010-2017, Infrastructure to Advance Life Sciences in the Ocean State, NSF #1004057:

EPSCoR is interested in learning more about the responses of marine life to climate variability. More about the following EPSCoR research questions can be found at http://web.uri.edu/rinsfepscor/research-questions/

1) What are the stress responses and evolutionary potentials of marine organisms in response to climate change?
2) How are the structure and function of coastal marine food webs and biogeochemical cycling being redirected in response to climate change?
3) How will global climate change affect the ecology of marine pathogens and parasites?
EPSCoR Computational Resource Renewal Application Form

Date:

Name and Title:

Affiliation (Institution and Department):

Resources Requested:

Current funding associated with this data: Agency, Project Title, Award Number, PI/Co-PI name(s) and affiliation, project grant period, report period:

If current funding is supported by multiple agencies please detail and justify the funding split in relation to the CCV resources requested.

Previous funding associated with this data: Agency, Project Title, Award Number, PI/Co-PI name(s) and affiliation, project grant period, report period:

Other support, resources, agencies or affiliation associated with this data:

Description of Research/Scope of Work: Please provide the rationale for why EPSCoR funds should continue to be used for the requested purpose. Please provide a progress report based on the work described in your initial application and explain how the requested funds will continue to advance the EPSCoR research plan.

Approval:

The Rhode Island NSF EPSCoR Steering Committee reviews renewal applications on an annual basis. The EPSCoR office must receive renewal applications by May 31 for an August 1 start date. Please feel free to include additional pages and supporting documentation with the application. Applications should be returned to Sally J. Beauman, RI NSF EPSCoR Project Administrator, sbeauman@uri.edu. Applications must include the signature of the user and the user’s Dean.

All approvals for any of the resources listed above are contingent upon researcher agreement to provide timely information required for annual NSF reporting including publications and information on the demographics of the users benefiting from these NSF-funded resources. This includes submitting data (outputs such as publications, presentations, grants applied for and awarded, conferences etc.) to the project report database, ER-Core (https://epscor.ccv.brown.edu).

Timeline:

EPSCoR Computational Resource Agreements are limited to a maximum duration of one year. Renewal of applications will only be considered if all resulting publications are provided to the EPSCoR office in a timely fashion and all publications, presentations, promotional pieces etc. benefiting from the provided resources acknowledge NSF EPSCoR support.

Other Requests:

Any computation and visualization resource requests that are NOT related to EPSCoR-theme related projects should be directed to Dr. Gurcharan Khanna, Executive Director CCV (401-863-2589; gurcharan_khanna@brown.edu).
RI NSF EPSCoR Computational Resource Memorandum of Agreement for Renewal Application

Approval:
All approvals for any of the resources listed in the EPSCoR Computational Resource Application Form are contingent upon researcher agreement to provide timely information required for annual NSF reporting including publications and information on the demographics of the users benefiting from these NSF-funded resources. This includes submitting data to the project report database, ER-Core. The research must also comply with applicable Federal and State laws and are subject to the terms and conditions of the NSF EPSCoR Cooperative Agreement #EPS-10040057 to Rhode Island.

Expectations of EPSCoR Computational Resource Users:
1) Provide the EPSCoR office with annual progress reports, and be an active participant of the ER-Core system for input of information and metrics important for NSF EPSCoR reporting.
2) Assist the EPSCoR PI, Co-PI(s) and staff with NSF reporting and user feedback as needed via email and/or survey.
3) Acknowledge EPSCoR in any publications, presentations, etc. resulting from the requested funds with the following statement: “This material is based upon work supported in part by the National Science Foundation EPSCoR Cooperative Agreement #EPS-1004057 to Rhode Island: or “This material is based upon work conducted at a Rhode Island NSF EPSCoR research facility, Center for Computation and Visualization, Brown University, supported in part by the National Science Foundation EPSCoR Cooperative Agreement #EPS-1004057.”
4) Provide the EPSCoR office with copies of resulting publications, abstracts, news articles, etc. within 60 days of publication and enter them directly into ER-Core.

Indemnification:
Researchers agree to indemnify and hold harmless the Center for Computation and Visualization, EPSCoR, and any other person or party acting under their authority from any and all liability or claimed liability in connection with use of the CCV or EPSCoR’s resources or facilities, unless such liability was caused by a grossly negligent act or omission of the CCV or EPSCoR. The researcher (or college, as signed by Dean below) will be held fiscally responsible for any damage caused by the user, their staff, or students.

I, __________________________ (please print name) agree to meet all EPSCoR Computational Resource User expectations in a timely manner. I understand this renewal application is limited to a maximum duration of one year.

User Signature and Date: __________________________

User’s Dean Name ______________________________________________________________________

User’s Dean Signature and Date: ___________________________________________________________

EPSCoR Approval and Date: _______________________________________________________________

Geoffrey Bothun, Ph.D.
Rhode Island NSF EPSCoR Project Director and Principal Investigator

CCV Approval and Date: _________________________________________________________________

Gurcharan Khanna, Ph.D., Executive Director
Brown University Center for Computation and Visualization