



MIDAS HPC Services Request Form

MIDAS Network Coordination Center
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The MIDAS Coordination Center (MCC) provides Cloud-based and on-site High-Performance Computing (HPC) services to MIDAS members. HPC Services are funded by the NIH National Institute of General Medical Sciences (NIGMS) and are free of charge for MIDAS members from non-commercial organizations. HPC service possibilities for members from commercial organizations will be determined on a case-by-case basis. The MCC has created an account with Google Cloud Platform for MIDAS members in collaboration with the NIH Science and Technology Research Infrastructure for Discovery, Experimentation, and Sustainability (STRIDES) program for Cloud Computing. The MCC also has access to the University of Pittsburgh Center for Research Computing HPC capability. Availability of free-of-charge HPC services through the MCC depends on availability of funding. In case of limited availability, the MCC will work with MIDAS members to request additional funding or to use member-contributed funding to purchase discounted cloud computing through its contracts with providers through STRIDES.

HPC services include compute time and training/support services and are available for a wide range of user backgrounds, ranging from entirely inexperienced to highly experienced users. The MCC will design HPC solutions for MIDAS members in collaboration with each MIDAS member on a case-by-case basis. To start the process, MIDAS members can request HPC services by completing this form.

Terms and conditions for usage

Users of the MCC cloud compute resources are not allowed to install or use any software or data that are under protected control, such as Health Insurance Portability and Accountability Act (HIPAA) or Personally Identifiable Information (PII) without explicit approval.

MIDAS members that use MCC-based HPC services are expected to make a reasonable effort to share datasets, models, software, and/or workflows, at some point during the project or after its completion. A brief data sharing plan will be requested as part of the project description. To minimize the burden on MIDAS members, the MCC will support implementation of the data sharing plan through its data services.

1 Administrative information

Project title:	
Name of lead investigator:	
ORCID ¹ of lead investigator (if available):	
Email lead investigator:	
Affiliation lead investigator:	
Name of contact person:	
Email of contact person:	
Name of affiliation contact person:	
Source of funding for the project (if any):	
If the project is funded by a grant: grant number:	

2 Compute experience information

Have you previously used HPC?	
Do you have somebody on your team or at your institution available to help with HPC?	
Are you familiar with SLURM?	
Are you familiar with Environment Modules?	
Would you like help installing software packages?	
Would you like help crafting a job submission script?	
Would you like help running benchmarks on your workflow?	

3 Project information

Project start date:	
Project end date:	
Software installation by MCC or member?	
If MCC, what type of software needs to be installed for project:	
How many processor cores can your workflow use simultaneously for this project?	

1 <https://orcid.org/>

List specific HPC requirements for your project (if known):

4. Project Description

Briefly describe your project (1-2 pages). Include a short description of the project goals, the computational approach, the estimated computing resources required, and any code performance benchmarks.

5. Data Sharing Plan

Include a data sharing plan (< 1 page). Describe if, when, and how project datasets, model source code, software, or workflows will be made available, and rationale if not.