


CENTRALIZED RESOURCES FOR DATA-DRIVEN RESEARCH AT PURDUE


RESEARCH DATA DEPOT



for storing, using and sharing active research data of any kind as well as codes (purchase by the terabyte)

www.rcac.purdue.edu/storage/depot/


GLOBUS



for fast data transfer and sharing with on- and off campus collaborators (no charge)

<https://transfer.rcac.purdue.edu/>

FORTRESS



for extensive, long-term archiving of research data (no charge)

www.rcac.purdue.edu/storage/fortress/

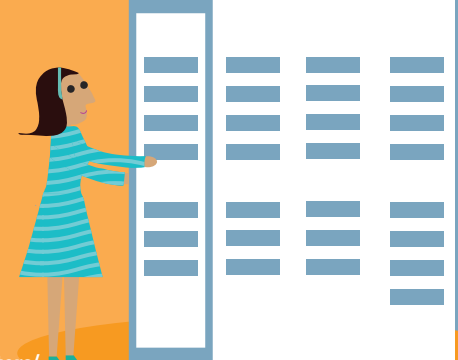
PURDUE UNIVERSITY RESEARCH REPOSITORY



for meeting data management plan requirements and publishing and publicly sharing data

<https://purrr.purdue.edu>

COMMUNITY CLUSTER PROGRAM



Purdue's Rice, Snyder and Hammer clusters currently have capacity available for purchase.


RICE: for high-performance parallel computation

SNYDER: for data-intensive computation, requiring large memory systems, especially in the life sciences

HAMMER: for loosely coupled, high-throughput, serial computations

www.rcac.purdue.edu/services/communityclusters/


HATHI



a shared Hadoop cluster available to partners in Purdue's Community Cluster Program for working with big data using Hadoop (no charge)

www.rcac.purdue.edu/compute/hathi/

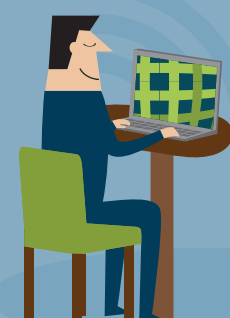
SCHOLAR



for instructors wishing to incorporate supercomputing in a course (no charge)

www.rcac.purdue.edu/compute/scholar/


DIAGRID



a Science-as-a-Service platform for easy Web-based access to software applications used by thousands of researchers around the world with computational resources on the back end (no charge)

www.rcac.purdue.edu/services/diagrid/


XSEDE



the National Science Foundation's Extreme Science and Engineering Discovery Environment, featuring some of the world's largest supercomputing systems (Purdue is an XSEDE partner)

www.xsede.org

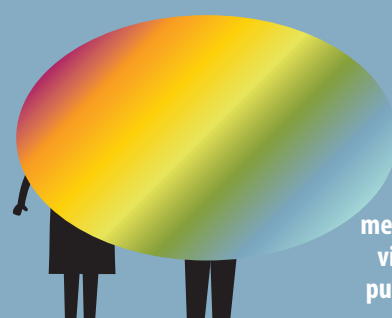
SCIENTIFIC SOLUTIONS GROUP



help accessing XSEDE; computational application design and data set management; software development and consulting; and collaboration on grant proposals

www.rcac.purdue.edu/services/software/

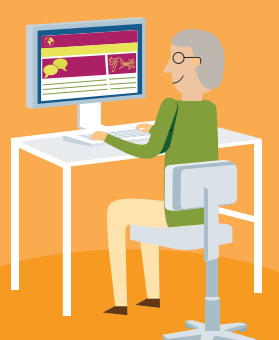
ENVISION CENTER



data visualization and analysis; virtual simulation; human-computer interaction; and media creation, including video, animations and publication-quality stills

www.rcac.purdue.edu/envision/

HUBZERO



HUBzero: Web-based platform for deploying computational research codes and visualizing and analyzing results online; built-in social networking to create virtual research communities; and data management and interactive database capabilities

<https://hubzero.org>

More information: email rcac-help@purdue.edu or contact Preston Smith, director of research services and support, psmith@purdue.edu or 765-494-9729 EA/EOU