Welcome to the Research Computing Services (RCS) Wiki

Mission

Research Computing Services (RCS) is Columbia's research community liaison with central Information Technology groups.

RCS works closely with other related entities at Columbia, including the Office of Research Initiatives and the Libraries/Information Services, with the shared goal of advancing research at the University. RCS serves as the Columbia researcher's point of contact for critical technology resources and services in the areas of high performance computing (HPC) and research software and systems.

Current Projects and Services

- RCS coordinates CUIT's centrally-managed High Performance Computing (HPC) service. This service uses HPC clusters located in the Shared Research Computing Facility: the Yeti HPC cluster launched in October 2013 and shared by 24 research groups/departments, and the Habanero HPC cluster collectively used by more than 50 groups, launched in November, 2016.
- We can arrange to give eligible Columbia researchers access to an allocation on the national XSEDE HPC resource.
- We provide research computing support for the Columbia Population Research Center (CPRC) including work on secure data analysis computing environments.
- We represent Columbia in the national Coalition for Academic Scientific Computation (CASC) and the Educause ECAR Campus Cyberinfrastructure Working Group.

Previous projects

- RCS staff assisted with Columbia's Green Data Center initiatives.
- Hotfoot HPC cluster,(2009-2015) which was used by faculty and other researchers in the departments of Astronomy & Astrophysics, Statistics, and Economics plus other groups represented in the Social Science Computing Committee (SSCC), and the Stockwell Laboratory.