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 the Executive Vice President of Research (EVPR) and Columbia Libraries 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.

Projects and Services

Our full list of services is available on [https://cuit.columbia.edu/research](https://cuit.columbia.edu/research)

- RCS coordinates CUIT's centrally-managed **High Performance Computing (HPC)** service, overseen by the Shared Research Computing Policy Advisory Committee (SRCPAC). Current clusters:
  - Insomnia
  - Ginsburg
  - Terremoto
  - Habanero
- We can arrange to give eligible Columbia researchers access to an **allocation on the national XSEDE/Access HPC resource**
- We provide **embedded research computing support** for schools and departments outside of CUIT, including work on secure data analysis computing environments.
  - Columbia Population Research Center (CPRC)
  - Data Science Institute (DSI)
  - Psychology
  - School of Social Work (SSW)
  - Statistics Department
- We represent Columbia in the national **Coalition for Academic Scientific Computation (CASC)** and the Educause ECAR Campus Cyberinfrastructure Working Group

Tentative Retirement Dates

- Terremoto Phase 1 retirement - December 2023
- Terremoto Phase 2 retirement - December 2024
- Ginsburg Phase 1 retirement - February 2025
- Ginsburg Phase 2 retirement - March 2027
- Ginsburg Phase 3 retirement - December 2027
- Manitou Phase 1 retirement - July 2028

Previous projects

- RCS staff assisted with Columbia's **Green Data Center** initiatives
- Yeti HPC cluster, located in the Shared Research Computing Facility (SRCF) (retired 2019), 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.