

ECAS Project

ECAS - Exploring Clouds for Acceleration of Science.

This is a project funded by NSF [Award #1904444](#) under a Cooperative Agreement with Internet2 to manage a series of sub-awards to enable a selection of science projects to explore the use of commercial Cloud Services to advance their computational science needs.

WHAT's NEW?

The first phase of the project is now complete. From the 6 projects that participated in the first phase (project development), 2 projects were selected to be funded up to \$880,000 each for the second phase of the project (accelerating science at scale). Those 2 project are: Deciphering the Brain's Neural Code, (Bill Lytton and Salvador Dura-Bernal, SUNY Downstate Medical Center); and Heterogeneous Computing for the LHC, (Philip Harris, MIT).

See the [Phase 1 project presentations](#). (Via YouTube)

See also the [Phase 1 final reports and presentation slides](#) (Via Google Drive)

Connect with the project:

Slack channel: Contact Jamie Sunderland (jsunderland@internet2.edu) to request an invite

Email list: <https://lists.internet2.edu/sympa/info/ecas>

- [About ECAS](#)
- The six project teams in Phase 1:
 - **San Diego Supercomputing Center (SDSC)** - Accelerating Science by Integrating Commercial Cloud Resources in the CIPRES Science Gateway
 - **GWU George Washington University (GWU)** - Development of BioCompute Objects for Integration into Galaxy in a Cloud Computing Environment
 - **Massachusetts Institute of Technology (MIT)** - Investigating Heterogeneous Computing at the Large Hadron Collider
 - **Purdue University** - Building Clouds: Worldwide building typology modelling from images
 - **SUNY Downstate Medical Center** - Deciphering the Brain's Neural Code Through Large-Scale Detailed Simulation of Motor Cortex Circuits
 - **University of Wisconsin Madison** - Ice Cube computing in the cloud
- Project Schedule: Phase 1 = April 2019 to April 2020. Phase 2 = September 2020 to September 2021
- Project Reports: [Project Reports on Google Drive](#)
- Summary of Lessons learned (Coming Soon)

Recent space activity



[Jamie Sunderland \(internet2.edu\)](#)

ECAS Project updated Sep 08, 2020 [view change](#)

About ECAS updated May 31, 2019 [view change](#)



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ECAS Project created May 31, 2019

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