

# 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](mailto: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](#)



[Nils Jacobson \(internet2.edu\)](#)

ECAS Project created May 31, 2019

## Space contributors

- [Jamie Sunderland \(internet2.edu\)](#) (1329 days ago)
- [Nils Jacobson \(internet2.edu\)](#) (1795 days ago)