IOOS
Integrated Ocean Observing System

NOS Cloud Sandbox

The NOS Cloud Sandbox is a cloud-based platform developed by the IOOS Office. It provides a collaborative environment with high-performance computing and S3 data storage and sharing capabilities.

Who can use the sandbox?

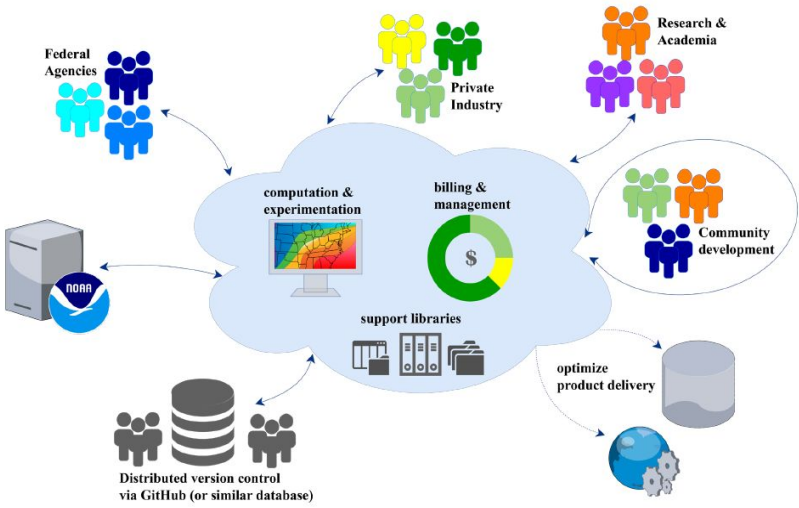
It is designed as a high performance computing system for IOOS Regional Associations, NOAA modelers and their academic partners.

The sandbox could also collaborate with other coastal modeling projects in partnership with NOAA, depending on the project's funding capabilities to support compute costs. Contact us to explore how the sandbox can support your modeling initiatives.

24,000 on-demand HPC vCPUs

8 exabytes of data storage available for collaboration

Streamlined data sharing



Key Features:

Immediate Job Execution: User jobs start instantly without waiting for resource availability.

Unrestricted Job Duration: No job time limit, allowing continuous runs from start to finish.

Scalable Computing: Rapid adaptability to scale resources up or down based on compute needs.

Enhanced Post-Processing Options: Improved flexibility for running Python-based workflows compared to WCOSS.

Elasticity and Configuration Flexibility: Quickly access expanded resources and configure clusters to specific needs.

Burst Compute Capability: Supports temporary resource expansion for intensive computing tasks.

Collaborative Development: Provides a space for partners to work together and streamline code development.

Contact the sandbox team at:
ioos.sandbox@noaa.gov

Connect with us on GitHub:
github.com/ioos/cloud-sandbox

TETRA TECH

Lynker

Want to learn more?

coastalsandbox.ioos.us