

GO  D

Afternoon!

Logistics

Restrooms are down the hall to the left

Quiet Room is S001 and **Prayer Room** is S003

Food cannot be eaten in the auditoriums

No photos, no problem. Grab a **different lanyard**

Wanna watch it again? We are recording

Code of Conduct reports to Jaime, Dori, and
Huston (neon green lanyards) or online at:



Evening Plans/Networking



Tuesday - Idea Marketplace

6-8 pm

Posters and sponsor booths

Share thoughts with the GOODLUCK Team

Food and Beverages



Wednesday - Fenway Social

6-9:30 pm

Backstage tour

Ballpark-themed food and beverages

Buses leave from CGIS (here) at 6pm sharp and return starting at 8:45pm

Up Next

OPEN  nDemand



Alan Chalker

GOOD 



A GOOD START

Open OnDemand's Past, Present, and Future

Alan Chalker



This work is supported by the National Science Foundation of the United States under the awards 1534949, 1835725, 2138286, 2303692, and 2411375-7

openondemand.org/goodstart

GO  D

TO SEE

YOU

Thank GOODness

**Conference
Committee**

Support Staff

Presenters

**Ohio
Colleagues**

Collaborators

Developers

NSF

Attendees

Sponsors

OPEN  **nDemand**

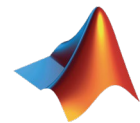
GOOD Support



The Institute for Quantitative Social Science



doitnow
HPC Services



MathWorks®



GOOD Representation

170 Attendees

(+20 waitlisted)

10 Countries

Australia
Canada
Finland
France
Italy
Malawi
Mexico
Spain
Uganda
United States

All Sectors

Academia
Entrepreneurial
Government
Industry
Non-profit

Many Fields

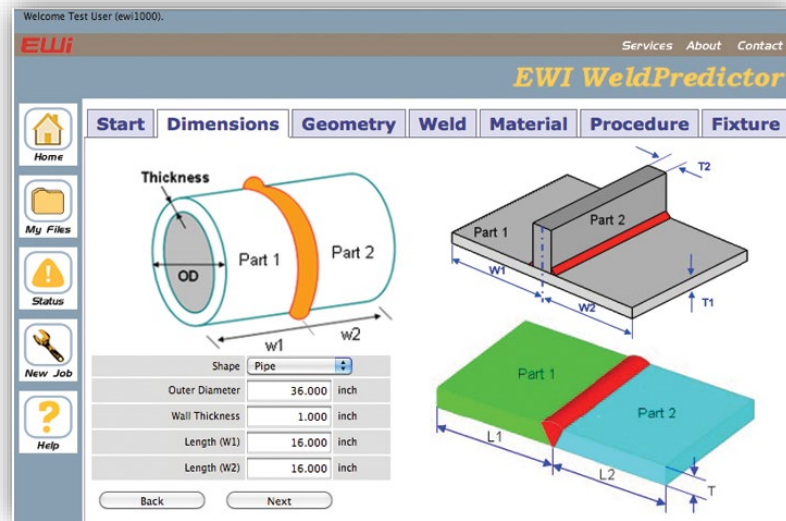
Chemistry
Climatology
Education
Energy
Finance
IT
Manufacturing
Medicine
Social Science

OPEN  **nDemand**

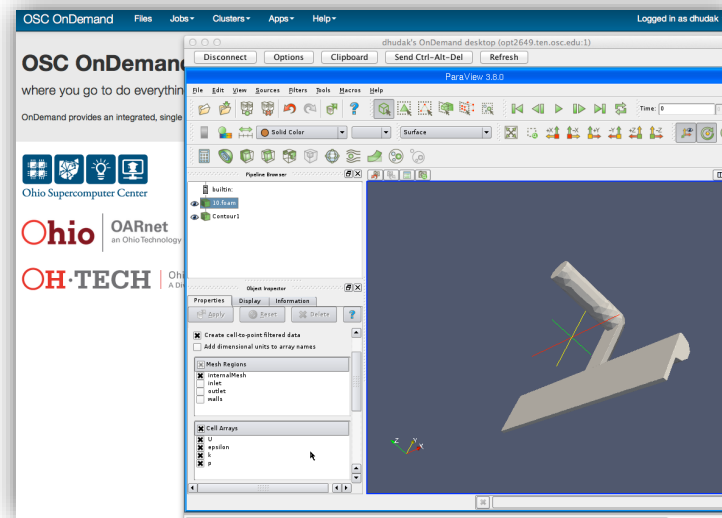
GOOD

GRIEF!

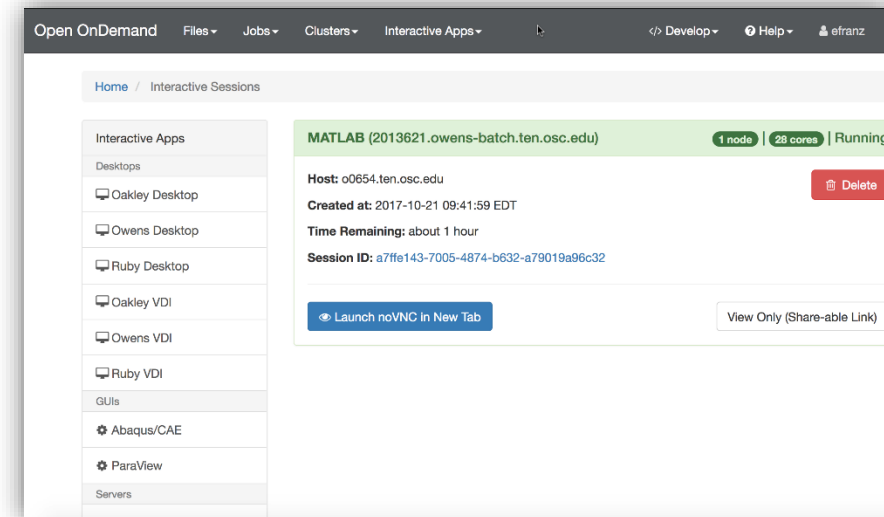
GOOD Foundations



2007
(Weld Predictor)



2013
(OSC OnDemand)



2017
(Open OnDemand)

GOOD Friends



2018

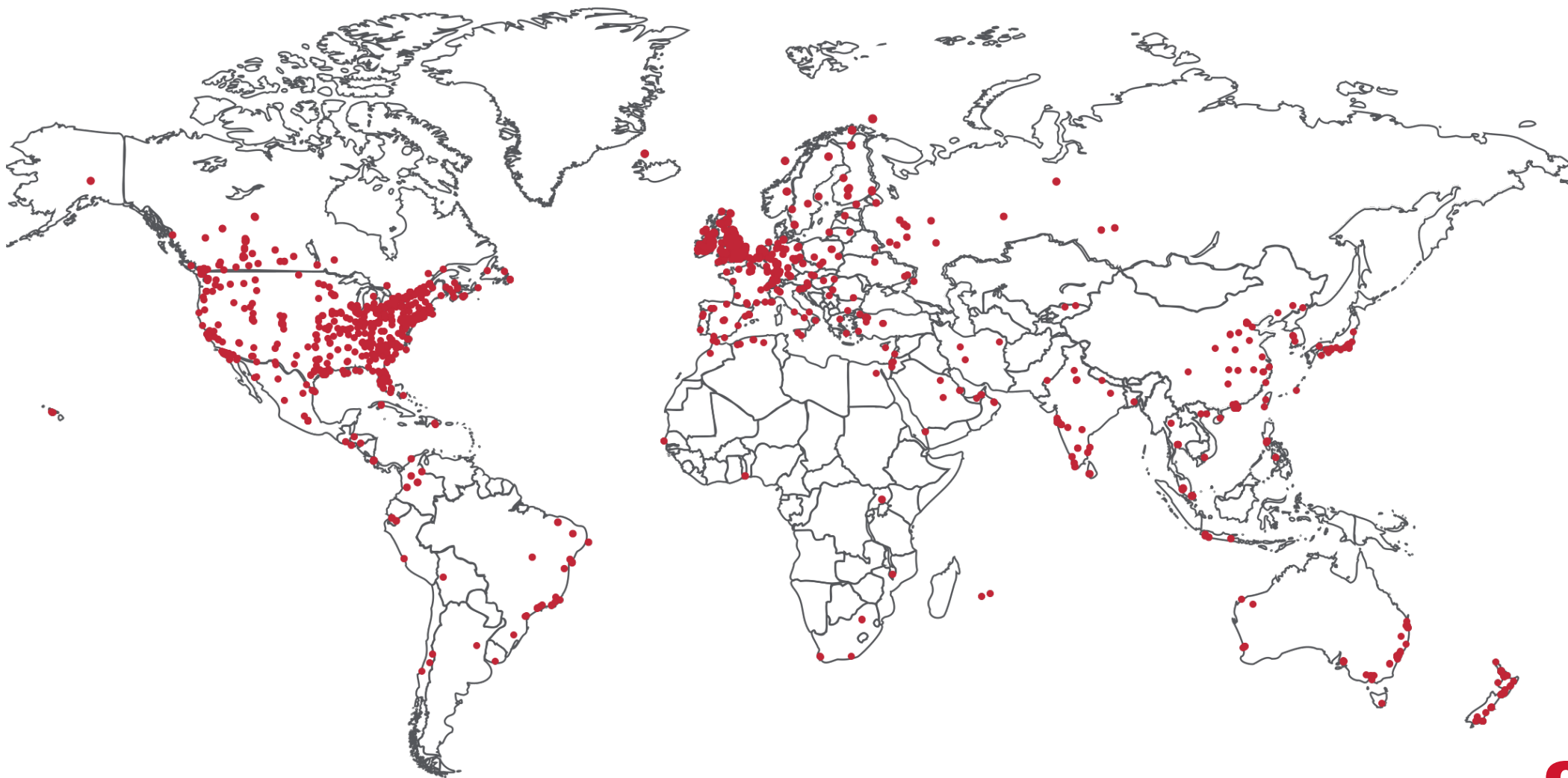
GOOD Friends



2021

GOOD Friends

100+ Countries | 2,100+ Organizations



2024

GOOD News

ACCESS Enhances Bioscience Exploration: Introducing CryoSPARC on Anvil's HPC Resources

October 9, 2023

Oct. 9, 2023 — In the last couple of years, you may have seen some extremely detailed models of microscopically tiny things. [Read more...](#)

Accelerating Scientific Discovery at the University of Melbourne

January 16, 2023

4,500 researchers with ~1,500 different projects leverage HPC at the University of Melbourne, translating discovery into meaningful, practical impact to benefit all of us. [Read more...](#)

LUMI Supercomputer Sheds Light on Quantum Mechanics, Solar Subsurface Physics, and More

June 23, 2023

June 23, 2023 — The European scientific community has been able to utilize LUMI, Europe's fastest supercomputer, in full scale since December last year. [Read more...](#)

Sharing the wealth of HPC-driven apps with flexible as-a-service models

October 4, 2021

Growing numbers of IT shops are delivering high performance computing systems and the applications they support as on-demand services accessed via cloud connections. [Read more...](#)

Deploying Open OnDemand with AWS ParallelCluster

February 21, 2023

Open OnDemand is an open-source High Performance Compute (HPC) portal that provides an easy way for system administrators to provide web-based access to HPC resources. [Read more...](#)

By Amazon Web Services

HPC Open Source Web Portals now Offered to Enterprise by Nor-Tech

December 12, 2019

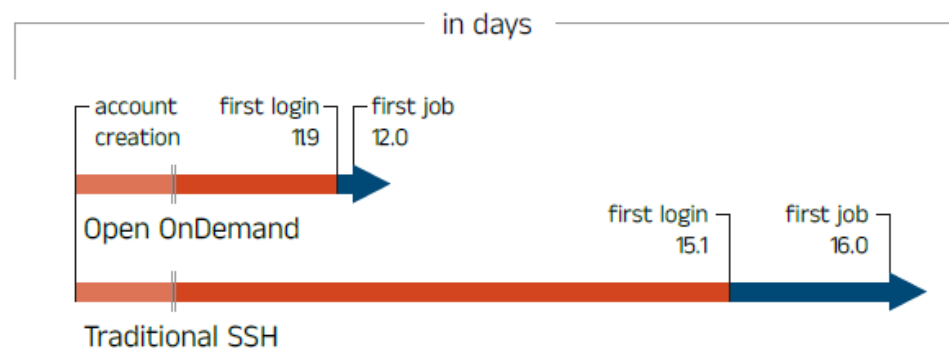
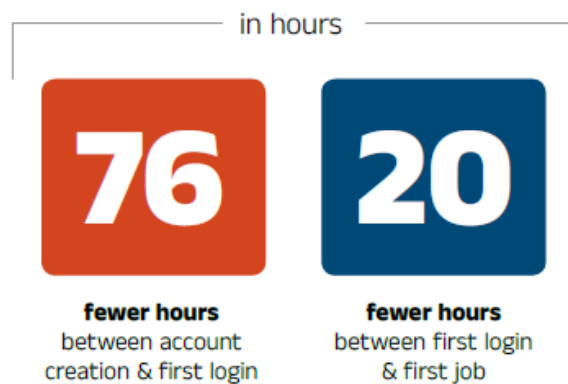
MINNEAPOLIS, Dec. 12, 2019 — Nor-Tech, experts on complete Open Source HPC technology solutions, just announced the first two enterprise deployments of Open OnDemand, which enables even those without HPC expertise to take advantage of the significant cost-savings of open source.

[Read more...](#)



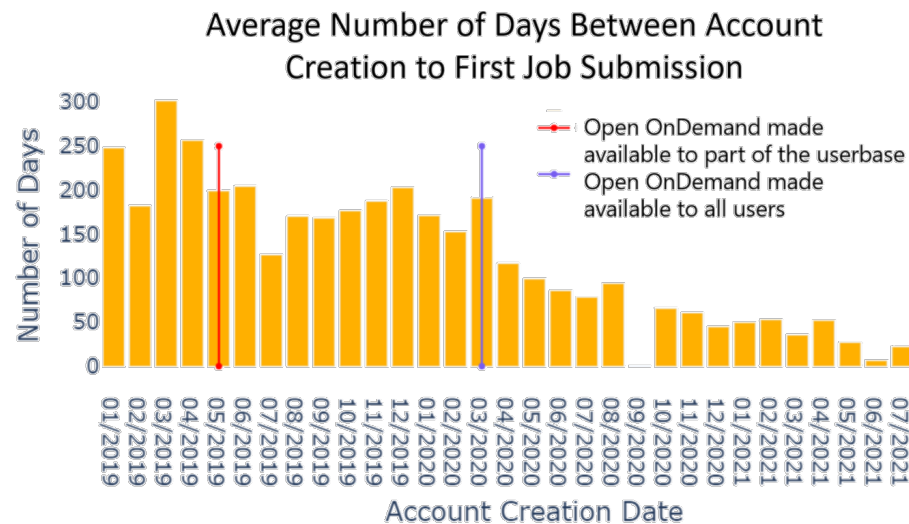
GOOD Time

Faster time to science Using OnDemand vs. traditional SSH access*



2017

19x
faster time
to science*



2021

GOOD Results (Fast to Slow)

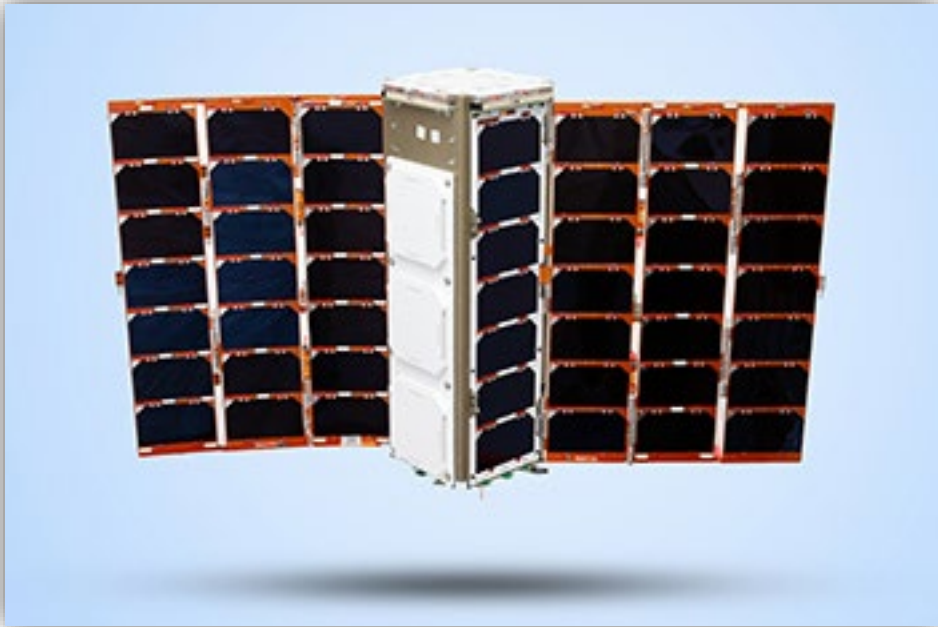


Racing

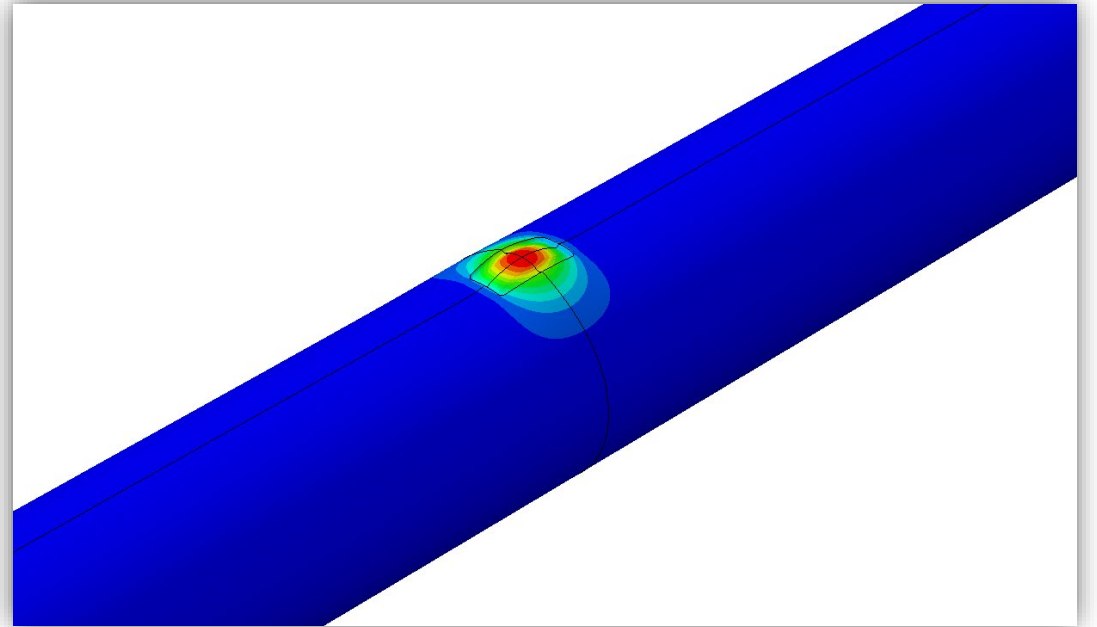


Farming

GOOD Results (High to Low)

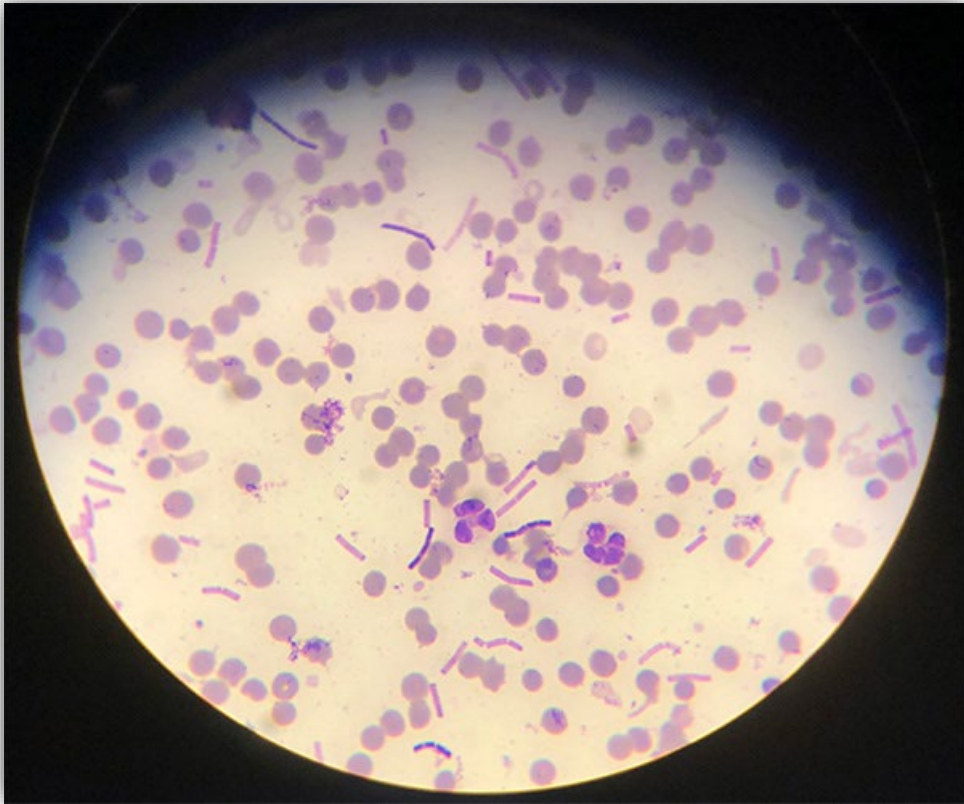


Satellites



Pipelines

GOOD Results (A to Z)



Anthrax



Zebras

GOOD Results (Old to New)



Astrophysics







Gen AI

GOOD Timing

NAIRR Pilot

National Artificial Intelligence
Research Resource Pilot

	Indiana Jetstream2 GPU	▼
	NCSA Delta GPU	▼
	NCSA DeltaAI	▼
	PSC Bridges-2 Extreme Memory (PSC Bridges-2 EM)	▼
	PSC Bridges-2 GPU (PSC Bridges-2 GPU)	▼
	PSC Bridges-2 Regular Memory (PSC Bridges-2 RM)	▼
	Purdue Anvil AI	▼
	Purdue Anvil CPU	▼
	Purdue Anvil GPU	▼
	SDSC Expanse CPU	▼
	SDSC Expanse GPU	▼
	PSC Neocortex CS-2	▼
	SDSC Voyager (Habana Training and Inference Processor based AI System)	▼
	TAMU ACES	▼

	Amazon Web Services	▼
	Cerebras Wafer-Scale Engine 2 (CS-2) AI Accelerator	▼
	DOE Argonne National Laboratory AI Testbed	▼
	Google Cloud Platform	▼
	Groq LPU Inference Engine	▼
	Microsoft Azure	▼
	NVIDIA DGX Cloud	▼
	SambaNova Cloud (API Services for Llama, DeepSeek, Tulu, Qwen, etc.)	▼
	SambaNova Suite (LLMOps platform, fine-tuning, inference and app dev kits)	▼
	TACC Frontera	▼
	TACC Frontera GPU	▼
	TACC Lonestar6	▼
	TACC Lonestar6-GPU	▼
	TACC Vista (NVIDIA GH100 Grace Hopper Superchip)	▼

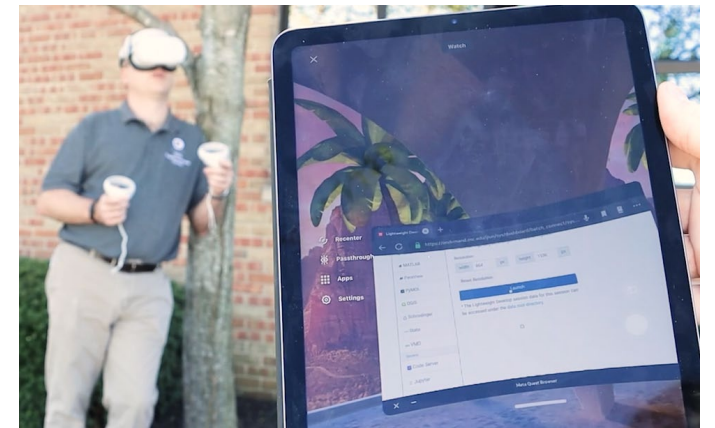
GOOD Plans (Hardware)



Instruments
(e.g. CryoEM)

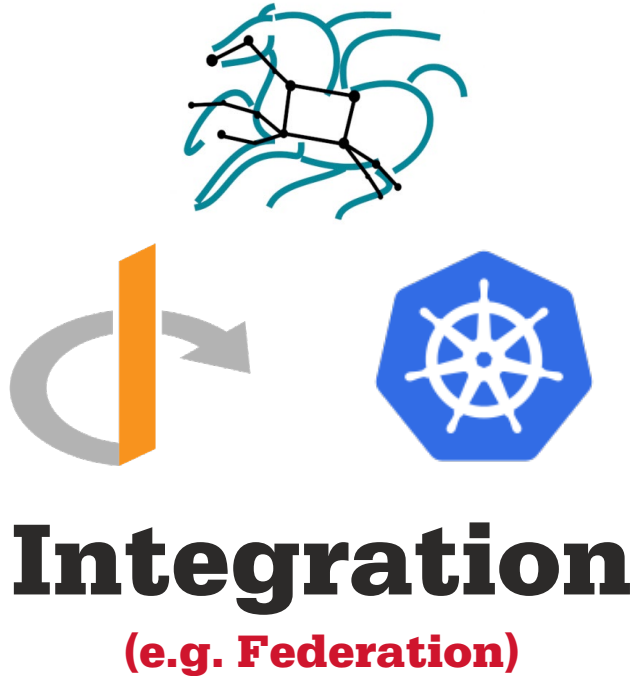


Computers
(e.g quantum)



Interfaces
(e.g VR)

GOOD Plans (Software)



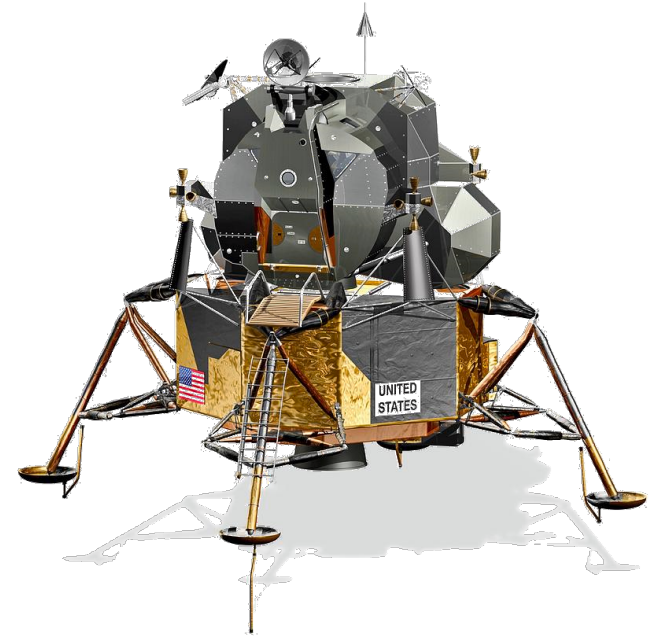
GOOD Perspective

What is a Supercomputer?



**2020 Smartphone
Charger**

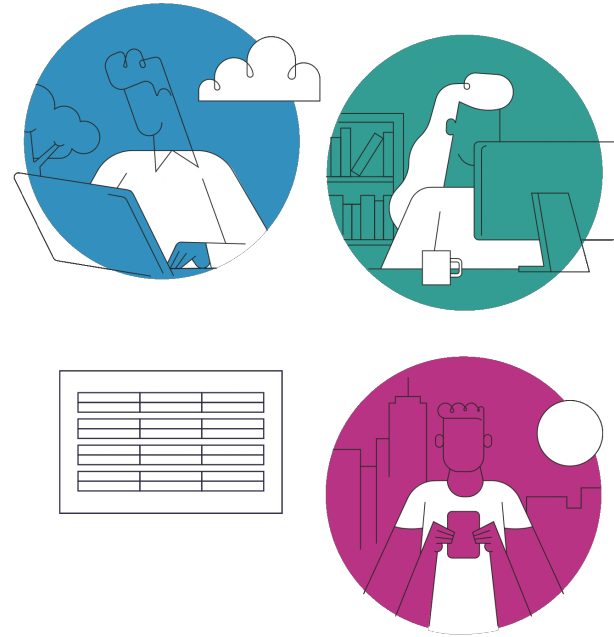
\$20	Cost	\$200,000,000
8 KB	Memory	4 KB
128 KB	Storage	72 KB
50,000 KFLOPS	Speed	80 KFLOPS



**1970 Apollo
Lunar Module**

OPEN **nDemand**

**Connecting
Computing
Power with
Powerful Minds**



for the GOOD of everyone!