



CC* Strategy-Region: Cyberinfrastructure Alliance for Oregon (CIAO) Award #2503219

Challenges Project Seeks to Address:

- Disparities in Cyberinfrastructure (CI) and skillsets limiting access and participation.
- Barriers to multi-institutional resource sharing including network transit speeds, IAM, computing, storage, data management, security and compliance.
- Oregon's tech sector faces a growing talent gap due to a misalignment between workforce training and education programs and industry needs.

Deliverables:

- Expand the Statewide Research Computing Group to include broader institutional participation.
- Host a workshop on regional collaboration and data sharing.
- Establish a community of practice for research IT professionals across Oregon.
- Host a workshop on workforce development, focused on the high-tech workforce landscape, Research IT professionals, and statewide technology challenges.
- Develop a shared CI strategic plan for Oregon.

Oregon's Public Universities:

- University of Oregon
- Oregon State University
- Oregon Health & Science University
- Portland State University
- Oregon Institute of Technology
- Eastern Oregon University
- Southern Oregon University
- Western Oregon University

Link Oregon: statewide R&E network



Scientific Impact:

- Boost research productivity and impact of NSF-funded projects across Oregon.
- Enable multi-institutional collaboration to address complex, cross-disciplinary research and discovery.
- Develop a statewide CI strategy to democratize access to advanced computing, tools, and collections of data for analysis.
- Support smaller institutions and enhance research at larger ones, positioning CIAO to address key challenges like AI, sensors, and quantum technologies.

Broader Impact:

- Expand access to advanced technology across Oregon's colleges and universities to enable broader participation in world-class research.
- Build a skilled, tech-savvy workforce by equipping students with hands-on STEM and AI training, preparing them for high-tech careers.
- Foster collaboration across the state, ensuring students and researchers, regardless of location, have opportunities to succeed.
- Boost innovation and discovery to strengthen Oregon's role in driving U.S. leadership in science and technology.
- Create a roadmap other states can follow to meet their own technology and workforce challenges.