Access to NAIRR pilot resources.

Researchers can discover and access NAIRR pilot resources through the NAIRR pilot portal: *nairrpilot.org*. Certain resources, such as open datasets and open models, will be readily available through the portal. Access to other resources, such as computational resources, will require researchers to apply through the NAIRR pilot allocation process at the following link: *nairrpilot.org/allocations*.

Get involved.

Partner with us: The NAIRR pilot welcomes discussions from potential contributing partners. Those interested are encouraged to reach out to *NAIRR_Pilot@nsf.gov*.

Provide your feedback: The NAIRR pilot seeks input from the research community to better understand priority needs and use cases for AI resources and which aspects of the pilot are of the highest interest. Make your voice heard in the design process through the NAIRR pilot's researcher and educator use cases survey (*https://idaorg.gov1.qualtrics.com/jfe/form/SV_cRMnkUFJoXs7UfI*).

Participate in workshops: The NAIRR pilot will host a series of webinars as well as community events and technical workshops to engage the community in an iterative design process.
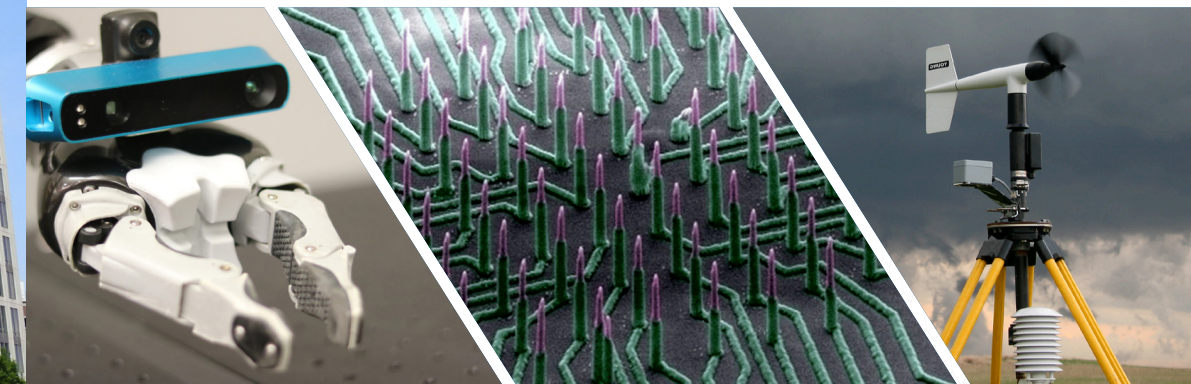
Sign up for announcements. (*NAIRR_PILOT_ANNOUNCEMENTS-subscribe-request@listserv.nsf.gov*)

NSF

U.S. National Science Foundation

General inquiries
Email: *info@nsf.gov*

Media requests
Email: *media@nsf.gov*

Congressional requests
Email: *congressionalteam@nsf.gov*
NSF AI page: *https://new.nsf.gov/focus-areas/artificial-intelligence*
AI Institutes Virtual Organization: *https://aiinstitutes.org*

NSF

U.S. National Science Foundation

National Artificial Intelligence Research Resource

DEMOCRATIZING THE FUTURE OF AI RESEARCH. EMPOWERING RESPONSIBLE INNOVATION.

What is NAIRR?

The National Artificial Intelligence Research Resource (NAIRR) is a concept for a national infrastructure that connects U.S. researchers to computational, data, software, model and training resources they need to engage in AI research. This includes innovations in AI technology, as well as the full range of science and engineering fields and economic sectors touched by AI.

The program will represent a critical ingredient in a healthy AI ecosystem, as it would strengthen the ability of academic and government researchers, students and small businesses to develop AI tools and systems and diversify the AI research community.

NAIRR aims to act as a complement to the existing research and development funding that the federal government provides to the AI research community — providing access to computational, data, software and training resources that may be otherwise out of reach/not easily discoverable for the academic and startup communities. Critically, it would provide this access in an equitable manner that is focused on reaching a broad diversity of users.

Why is NAIRR needed?

AI research and development in the U.S. is advancing rapidly and requires vast amounts of computing power, data and expertise to train and deploy the massive machine learning models behind AI innovations. However, access to these resources is increasingly out of reach for most colleges and universities.

Moreover, the research community must have access to critical resources to drive AI and science innovation forward responsibly while investigating key areas of societal interest.

NAIRR would:

- Diversify the AI research community by opening opportunities to pursue AI research outside of well-resourced universities and private sector laboratories.

- Support research efforts to advance safe, secure and trustworthy AI, including methods for AI testing, evaluation and verification to ensure that AI-powered innovations benefit all Americans.

- Foster partnerships between academia, industry and government sectors that lead to the development of commercially viable AI applications and solutions, fostering economic growth and creating new markets and revenue streams.

- Serve as a platform for training the next generation of AI researchers, equipping them with the skills and resources needed to drive innovation and shape the future of AI in a socially responsible manner.

What is the NAIRR pilot?

The NAIRR pilot (*https://new.nsf.gov/focus-areas/artificial-intelligence/nairr*) is a proof-of-concept for NAIRR and the first step towards realizing the full vision of the program. The pilot implementation will bring together computational, data, software, model and training materials and user support resources from a range of partners within government, the technology sector, nonprofits and philanthropies, demonstrating the shared priority of addressing the critical resource gaps in the AI community.

The pilot seeks to demonstrate the potential impact and value of the broader NAIRR vision. It aims to support transformative AI research and education by engaging a diverse and gaining valuable insights and experiences to refine the design of a full program.

The initial areas of focus for the pilot will be to support AI research to advance safe, secure and trustworthy AI, as well as the application of AI to challenges in health care, environmental and infrastructure sustainability. As more resources become available, the pilot will expand to support a broader range of research areas. The pilot will also provide infrastructure support to educators to enable training on AI technologies and their responsible approaches.