

What is NAIRR?

The National Artificial Intelligence Research Resource (NAIRR) is a concept for a national infrastructure that will drive AI innovation and national competitiveness by connecting U.S. researchers to computational, data, software, model and training resources. This includes innovations in AI technology and the full range of science and engineering fields and economic sectors fueled by AI.

The program represents a critical ingredient in the AI innovation ecosystem, as it would strengthen the ability of researchers, students and small businesses to investigate and nurture novel AI concepts and develop AI tools and systems while expanding access to critical AI resources.

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 from both the public and private sectors that may be otherwise out of reach/not easily discoverable for the research and small business communities.

Why is NAIRR needed?

AI innovation in the U.S. is advancing rapidly and requires vast amounts of computing power, data and expertise to work with today's leading-edge approaches. However, access to these resources is increasingly out of reach for most colleges and universities.

Maintaining America's global leadership in AI requires fundamental advances and new applications that can rapidly translate to economic growth and output, which in turn requires America's researchers to be empowered with state-of-the-art capabilities and tools to continue the rapid pace of discovery and innovation. NAIRR would:

- Accelerate AI and AI-powered discovery and innovation.
- Expand the AI workforce and train the next generation of AI researchers and educators.
- Increase integration and use of world-class public and commercial AI resources.
- Advance public trust in AI.

What is the NAIRR pilot?

The [NAIRR pilot](#) is a proof-of-concept for NAIRR and the first step towards realizing the full vision of the program. The pilot implementation brings 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 while gaining valuable insights and lessons learned to refine the design of a full program.



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 and API access to certain models, will require researchers to apply through the NAIRR pilot allocation process at the following link: nairrpilot.org/allocations.

Get involved.



Contact us: The NAIRR pilot welcomes feedback from the community and discussions with potential contributing partners. Reach out to us at NAIRR_Pilot@nsf.gov.



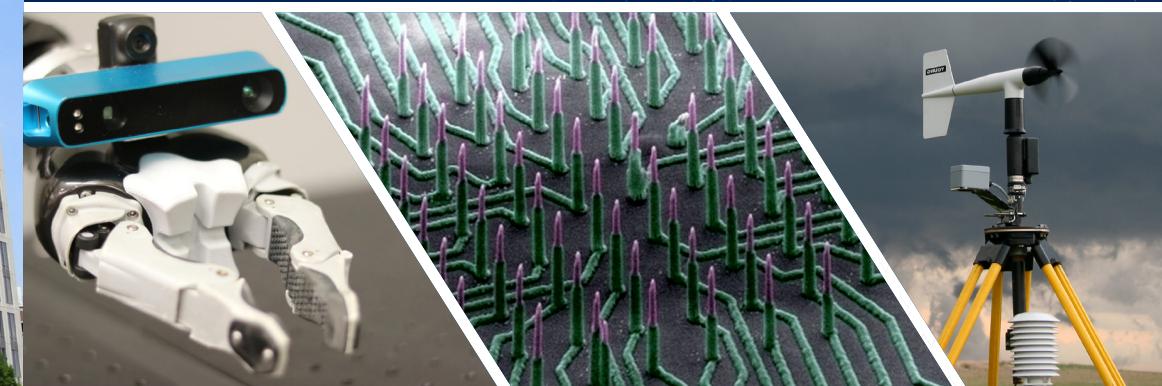
Participate in workshops: The NAIRR pilot will host a series of webinars as well as community events and technical workshops to engage the community in an iterative design process. [Sign up](#) for announcements.



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National Artificial Intelligence Research Resource

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POWERING AI INNOVATION
ACROSS AMERICA