NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

☆ LEAD ORGANIZATION   ⊙ SUBAWARD

The map reflects the approximate location of the lead organizations and subawards.

Select Awards by year

2020 Awards   2021 Awards   2023 Awards

Select Awards by Institution

AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography (AI2ES)
University of Oklahoma

AI Institute for Foundations of Machine Learning (IFML)
University of Texas at Austin

AI Institute for Student-AI Teaming (iSAT)
University of Colorado Boulder

AI Institute for Molecular Discovery, Synthetic Strategy, and Manufacturing (Molecule Maker Lab or MMLI)
University of Illinois Urbana-Champaign

AI Institute for Artificial Intelligence and Fundamental Interactions (IAFI)
Massachusetts Institute of Technology

AI Institute for Next Generation Food Systems (AIFS)
University of California, Davis

AI Institute for Future Agricultural Resilience, Management, and Sustainability (AIFARMS)
University of Illinois Urbana-Champaign

AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING)
Georgia Tech

AI Institute for Advances in Optimization (AI4OPT)
Georgia Tech

AI Institute for Learning-Enabled Optimization at Scale (TILOS)
University of California San Diego

AI Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment (ICICLE)
The Ohio State University

AI Institute for Future Edge Networks and Distributed Intelligence (AI-EDGE)
The Ohio State University

AI Institute for Edge Computing Leveraging Next-generation Networks (Athena)
Duke University

AI Institute for Dynamic Systems
University of Washington

AI Institute for Engaged Learning (ENGAGE AI Institute)
North Carolina State University

AI Institute for Adult Learning and Online Education (ALOE)
Georgia Institute of Technology

Institute for Agricultural AI for Transforming Workforce and Decision Support (AgAID)
Washington State University

AI Institute for Resilient Agriculture (AIIRA)
Iowa State University

AI Institute for Agent-based Cyber Threat Intelligence and Operation (ACTION)
University of California, Santa Barbara

AI Institute for Artificial and Natural Intelligence (ARNI)
Columbia University

AI Institute for Societal Decision Making (AI-SDM)
Carnegie Mellon University

AI Institute for Trustworthy AI in Law and Society (TRAILS)
University of Maryland, College Park

AI Institute for Inclusive Intelligent Technologies for Education (INVITE)
University of Illinois Urbana-Champaign

AI Institute for Exceptional Education (AI4ExceptionalEd)
University at Buffalo

AI Institute for Climate-Land Interactions, Mitigation, Adaptation, Tradeoffs and Economy (AI-CLIMATE)
University of Minnesota, Twin Cities

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

★ LEAD ORGANIZATION   ◯ SUBAWARD   ◯ COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography (AI2ES)

LEAD ORGANIZATION
University of Oklahoma

SUBAWARD
- Central Michigan University
- Colorado State University
- Del Mar College
- North Carolina State University
- Texas A&M University Corpus Christi
- University at Albany
- University Corporation for Atmospheric Research
- University of Washington
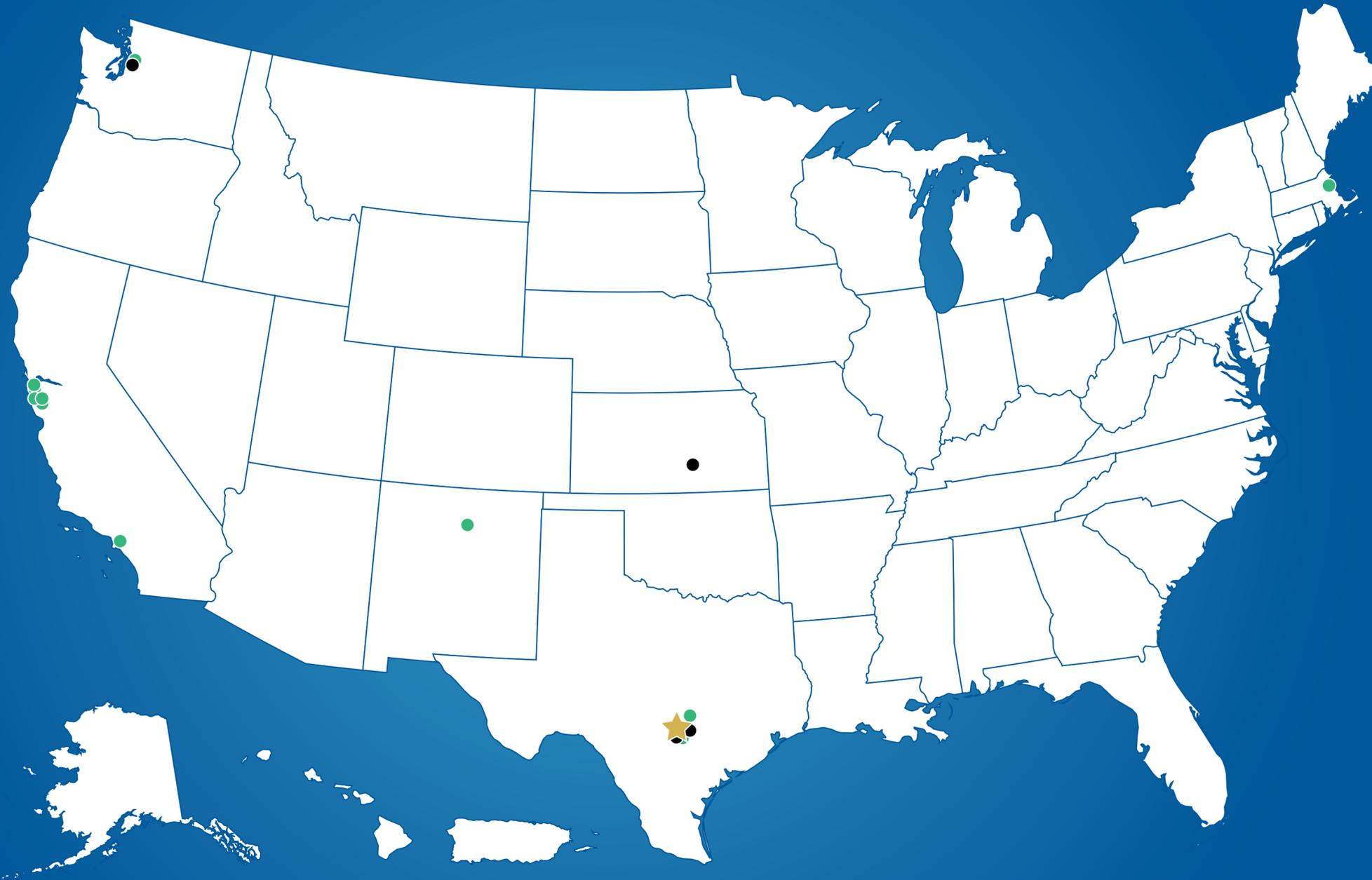
COLLABORATORS
- City of Corpus Christi
- Department of Homeland Security and Emergency Services
- Disaster Tech
- DOT, Department of Environmental Conservation
- Google
- IBM (The Weather Company)
- MyRadar
- National Hurricane Center, Joint Typhoon Warning Center
- National Park Service
- New York Independent System Operator
- New York Power Authority
- New York State Thruway
- NOAA, National Severe Storms Laboratory, Storm Prediction Center National Oceanic and Atmospheric Administration
- NOAA-GSD, NOAA's National Geodetic Survey and Center for Operational Oceanographic Products and Services
- Nueces County Coastal Parks
- Nvidia
- Oklahoma Climate Survey
- Palo Alto Research Center
- Radiant Earth Foundation
- Texas Coastal Offices of the National Weather Service
- Texas Commission on Environmental Quality
- Texas Department of Transportation
- Texas General Land Office
- TrueWeather Solutions
- Vaisala

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⚫ SUBAWARD 🟢 COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Foundations of Machine Learning (IFML)

LEAD ORGANIZATION
University of Texas at Austin

SUBAWARD
- Texas Advanced Computing Center
- The University of Texas at Austin, Dell Medical School
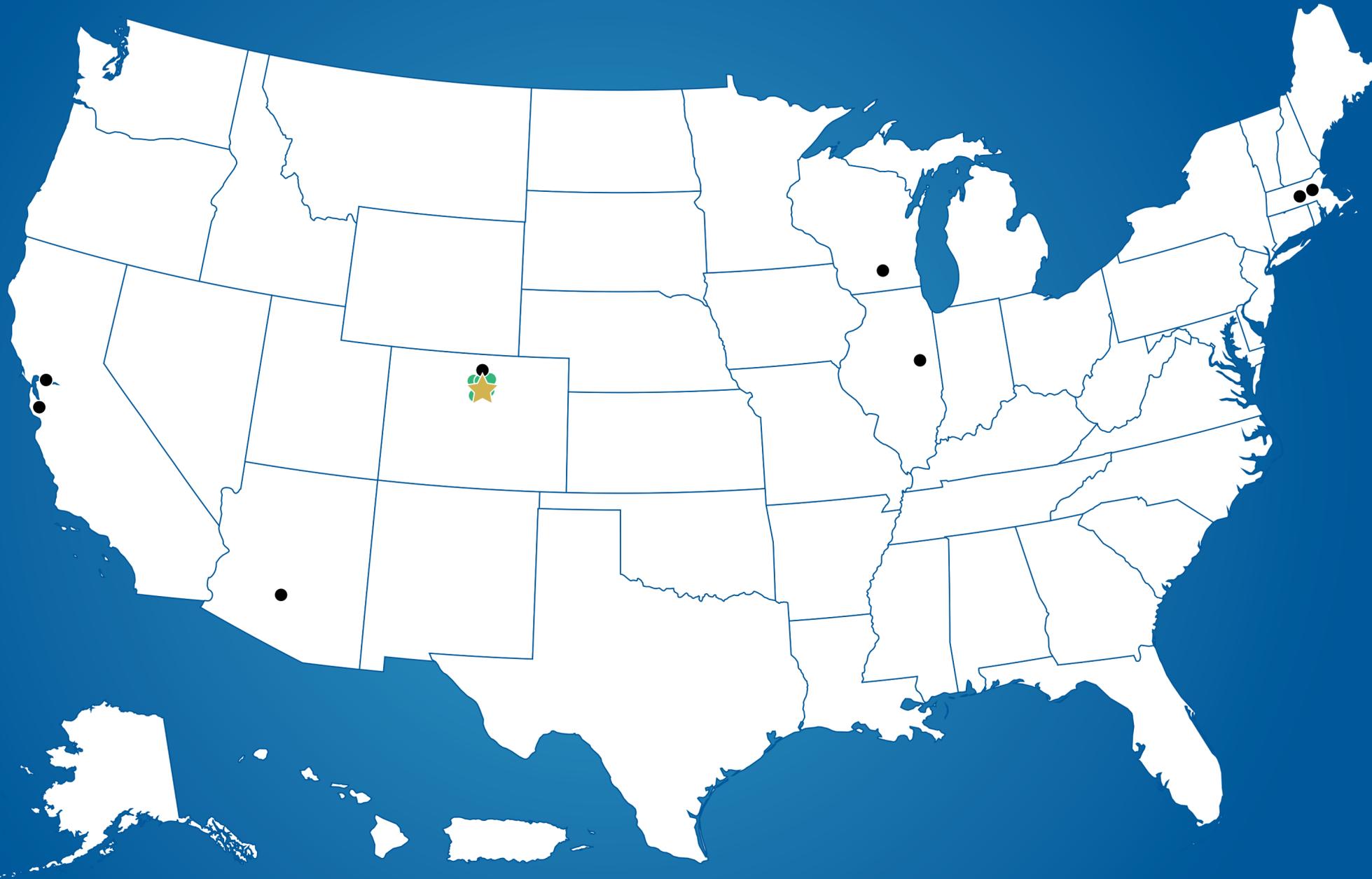- University of Washington
- Wichita State University

COLLABORATORS
- City of Austin
- Dell Technologies
- Facebook
- Google
- Harvard University
- Internet Archive
- Microsoft Research
- Netflix
- Santa Fe Institute
- Stanford University
- University of California, Los Angeles

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⬤ SUBAWARD 🟢 COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Student-AI Teaming (iSAT)

LEAD ORGANIZATION
University of Colorado Boulder

SUBAWARD
- Arizona State University
- Brandeis University
- Colorado State University
- University of California, Berkeley
- University of California, Santa Cruz
- University of Illinois Urbana—Champaign
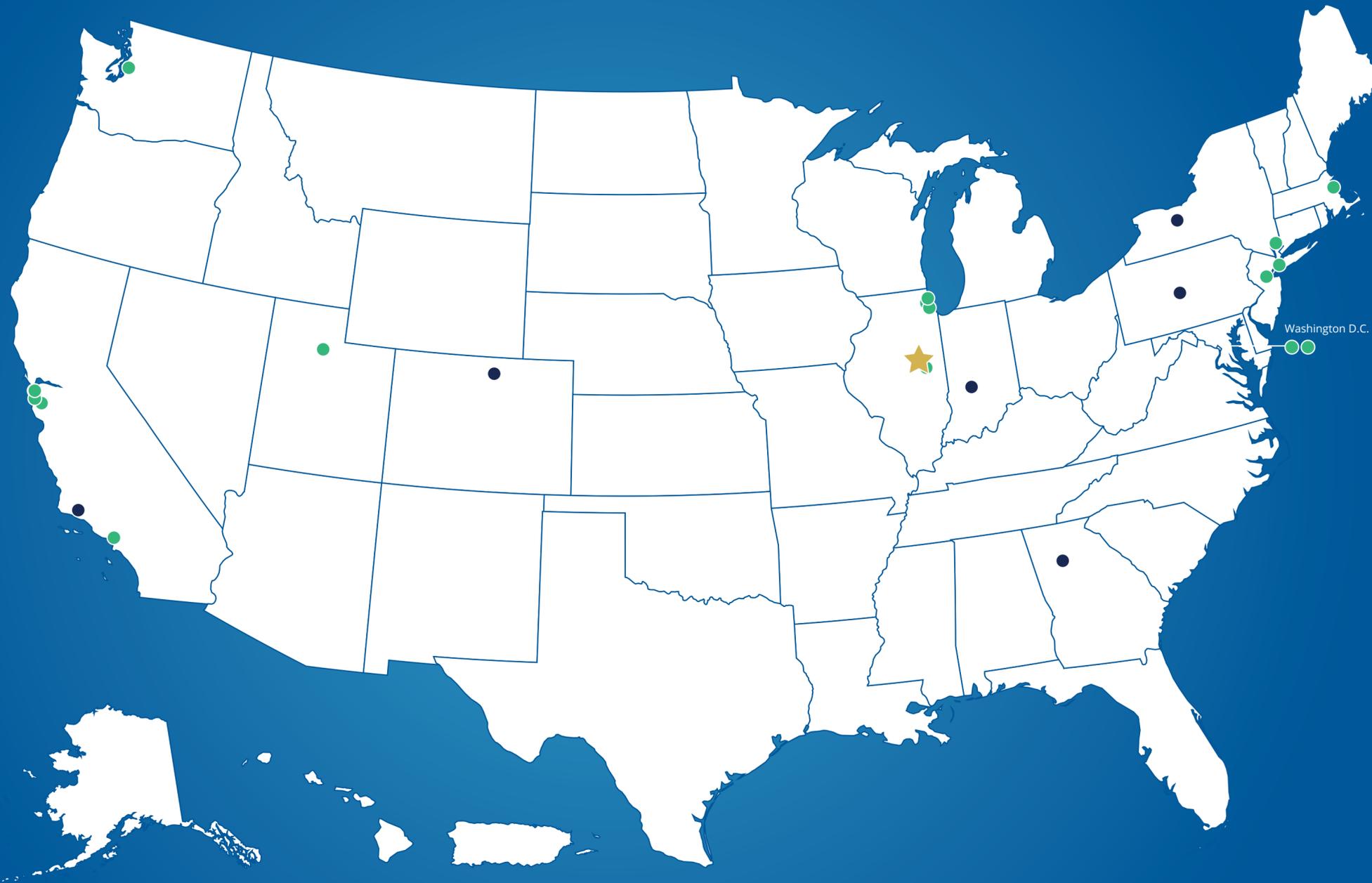- University of Wisconsin-Madison
- Worcester Polytechnic Institute

COLLABORATORS
- Curve10
- Denver Public Schools
- Project VOYCE
- Rigorous Love
- SparkFun
- St.Vrain Valley Schools District
- Youth Empowerment Broadcasting Organization

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

★ LEAD ORGANIZATION ⬤ SUBAWARD 🟢 COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Molecular Discovery, Synthetic Strategy, and Manufacturing (Molecule Maker Lab or MMLI)

LEAD ORGANIZATION
University of Illinois Urbana-Champaign

SUBAWARD
- Colorado State University
- Georgia Tech
- Indiana University
- Pennsylvania State University
- Rochester Institute of Technology
- University of California, Santa Barbara
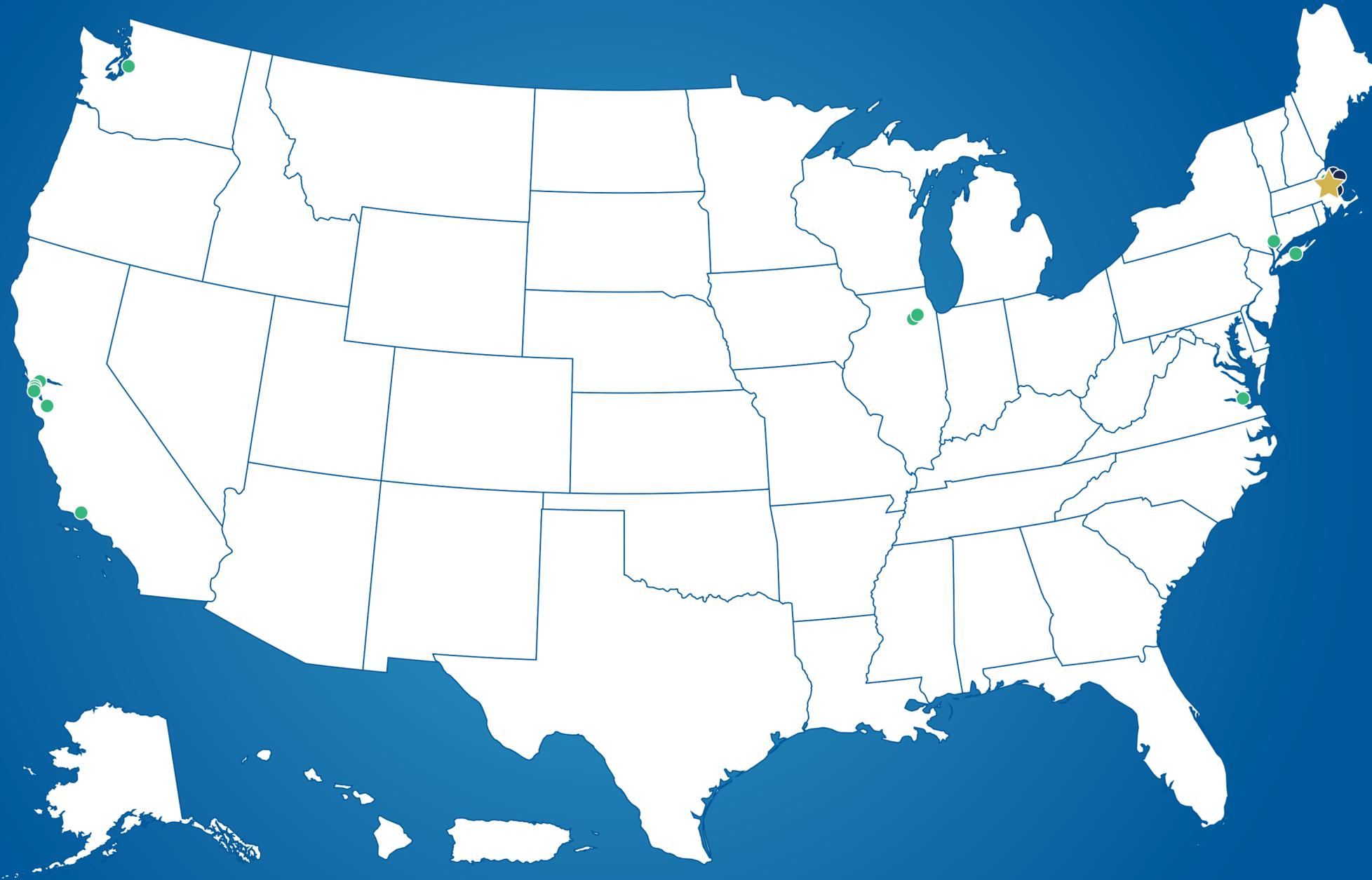
COLLABORATORS
- ADM
- Allchemy, Inc.
- American Chemical Society
- Genentech
- IBM
- Janssen
- LanzaTech
- Merck
- Microsoft
- MIT
- National Academies of Science
- Northwestern University
- NVIDIA
- Pfizer
- Revolution Medicine
- Two Bit Circus
- Ulsan National Institute of Science and Technology
- University High School
- University of Toronto
- University of Utah

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

★ LEAD ORGANIZATION   ◉ SUBAWARD   ● COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Artificial Intelligence and Fundamental Interactions (IAFI)

LEAD ORGANIZATION
Massachusetts Institute of Technology

SUBAWARD
- Harvard University
- Northeastern University
- Tufts University

COLLABORATORS
- Argonne National Lab
- Brandeis University
- Brookhaven National Laboratory
- CERN
- Deep Mind
- Fermilab
- Frontier Development Lab
- Generally Intelligent
- Google AI Quantum
- Google Research
- IBM
- Jefferson Lab
- Lawrence Berkeley National Laboratory
- LIGO Scientific Collaboration
- Microsoft Research
- MIT-Bates Computing Center
- MIT-Harvard Center for Ultracold Atoms
- MIT-IBM Watson AI Lab
- MIT-Social and Ethical Responsibilities of Computing
- MIT Laboratory for Nuclear Science
- MIT Statistics and Data Science Center
- NVIDIA
- OpenAI
- QuEra
- SalesForce
- Sony
- Toyota Research Institute
- Unlearn

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ◉ SUBAWARD ◯ COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Next Generation Food Systems (AIFS)

LEAD ORGANIZATION
University of California, Davis

SUBAWARD
- Cornell University
- Duke University
- University of Cal Division of Agriculture and Natural Resources
- University of California Berkeley
- University of Illinois Urbana-Champaign
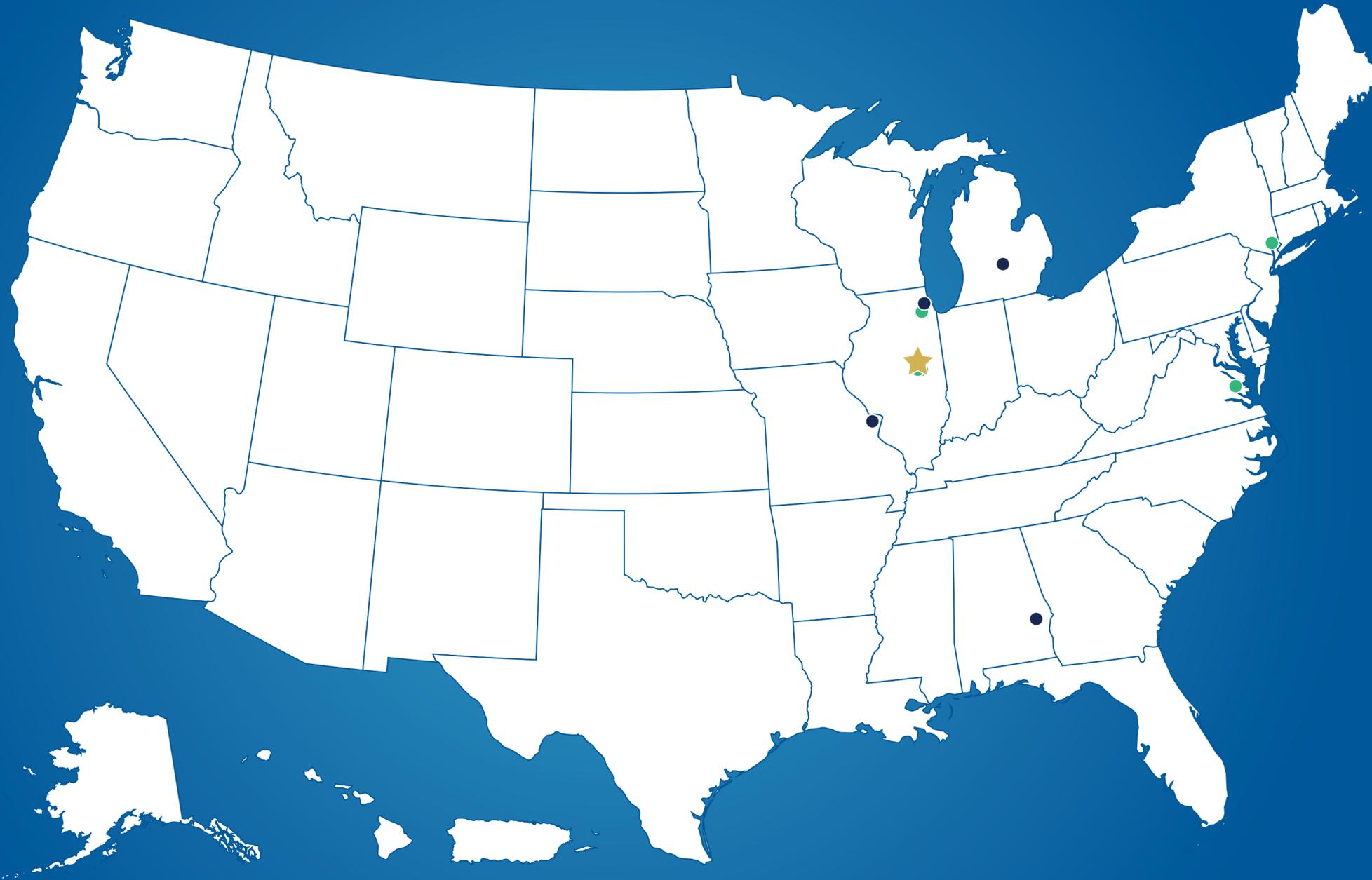- USDA ARS Western Human Nutrition Center

COLLABORATORS
- ADM
- AgMonitor
- Agricultural Research Service, USDA
- AgStack / Linux Foundation
- BASF
- Better Food Ventures
- Dairy Management Inc.
- Edamam
- Farm_ng
- FIRA-US
- Fraunhofer ISE
- Indoor Ag-Con
- MARS, Incorporated
- MISTA
- Novozymes
- PhenoRob
- Pheronym
- Process Integration and Predictive Analytics
- The Better Meat Co.
- The Culinary Institute of America at Copia
- The March Fund
- The Rockefeller Foundation
- The Vine
- U.S. National Science Foundation
- Verdant Robotics
- Wageningen University and Research

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⬤ SUBAWARD   ⬤ COLLABORATORS

AI Institute for Future Agricultural Resilience, Management, and Sustainability (AIFARMS)

LEAD ORGANIZATION
University of Illinois Urbana-Champaign

SUBAWARD
- Danforth Plant Science Center
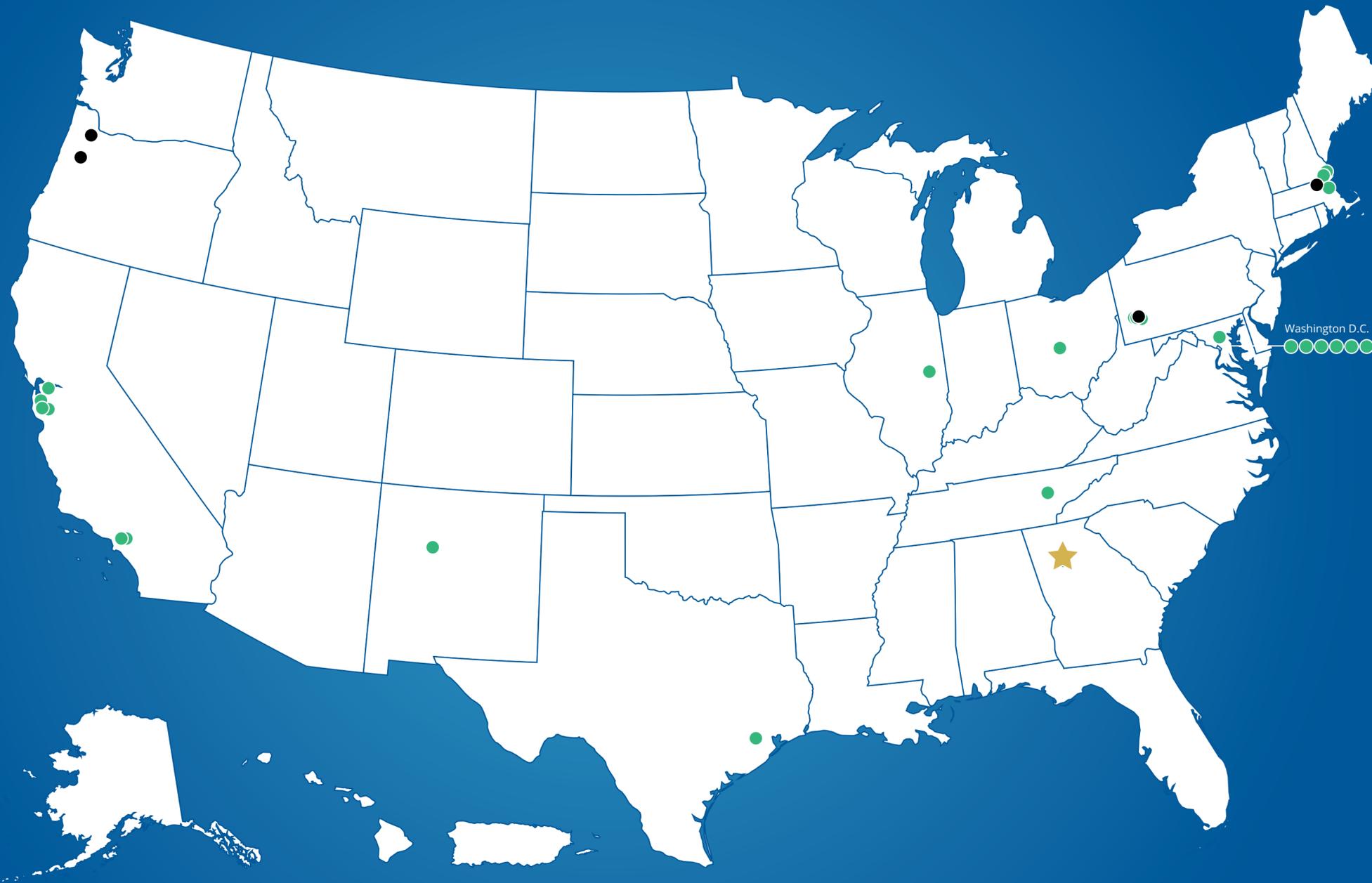- Michigan State University
- Tuskegee University
- University of Chicago

COLLABORATORS
- Argonne
- EarthSense
- IBM Research
- Microsoft
- USDA Agricultural Research Service

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

☆ LEAD ORGANIZATION ◯ SUBAWARD ◯ COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING)

LEAD ORGANIZATION
Georgia Tech

SUBAWARD
- Carnegie Mellon University
- Oregon Health & Science University
- Oregon State University
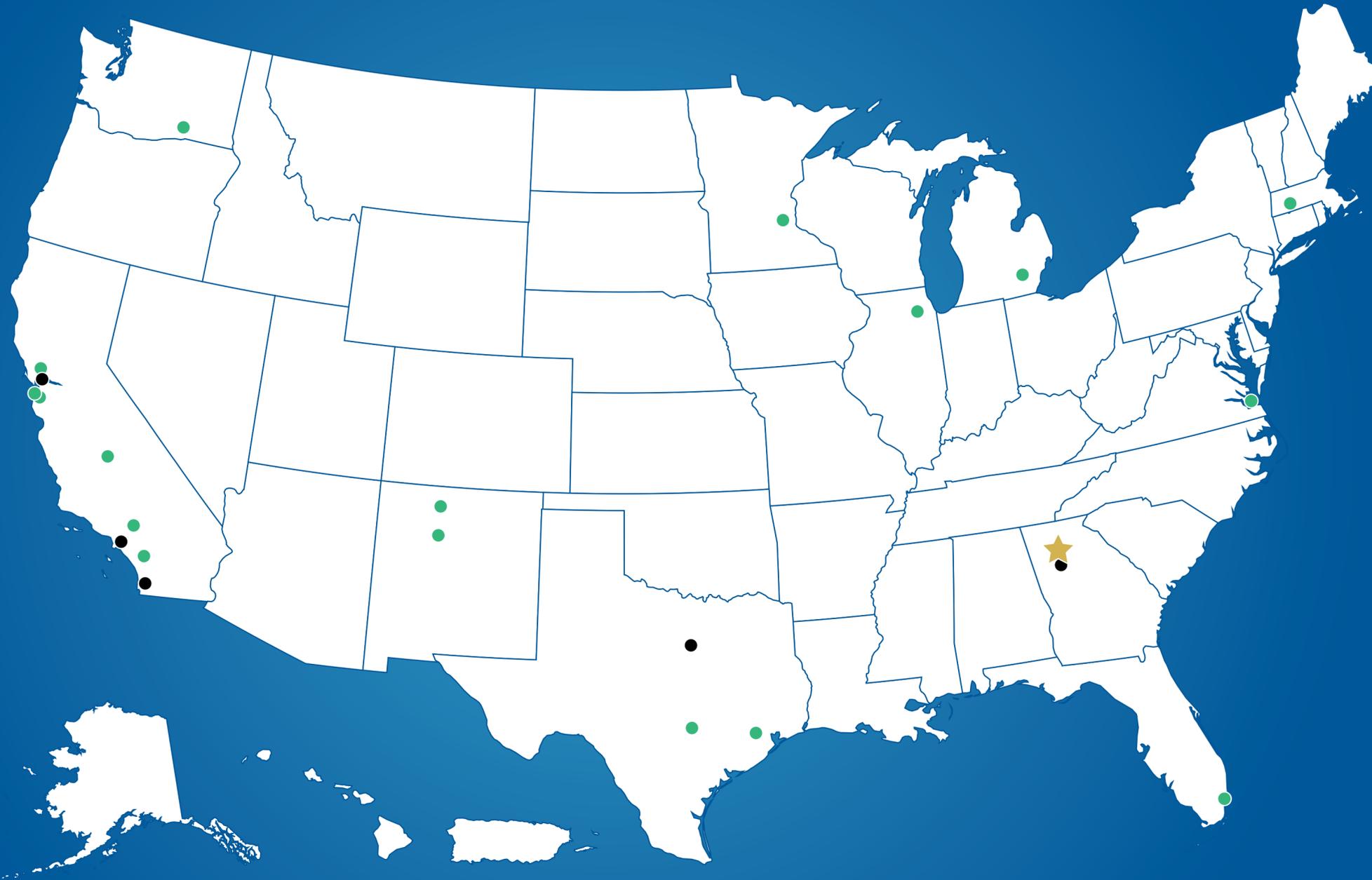- University of Mass Lowell

COLLABORATORS
- Achieva
- American Association of Retired Persons (AARP)
- Apple
- Briarcliff Oaks
- Cathedral Towers, Inc.
- Chatham University
- Emory Healthcare, Budd Terrace
- Emory University
- Facebook
- Google
- Hello Robot
- Highmark Health
- Jet Propulsion Laboratory
- Jewish Healthcare Foundation
- Leading Age
- Morehouse School of Medicine
- National Aeronautics and Space Administration
- National Center for Women & Information Technology
- National Church Residences, Trinity Towers
- Naval Research Lab
- Northern Essex Community College
- NVIDIA
- Oak Ridge National Laboratory
- People Power
- Pittsburgh Healthcare System
- Saint Anne's Terrace, Inc.
- Sandia National Laboratories
- Stanley Healthcare
- The Ohio State University
- Toyota Research Institute
- U.S. Department of Commerce, National Institute of Standards and Technology
- U.S. Department of Veterans Affairs
- University of Illinois
- University of Pittsburgh
- University of Southern California
- UPMC Enterprises

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⬤ SUBAWARD   🟢 COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Advances in Optimization (AI4OPT)

LEAD ORGANIZATION
Georgia Tech

SUBAWARD
- Clark Atlanta University
- University of California, Berkeley
- University of California, San Diego
- University of Southern California
- University of Texas at Arlington

COLLABORATORS
- Argonne National Laboratory
- Banneker High School
- Best Buy
- Center for Machine Learning at Georgia Tech
- College of the Sequoias
- Drew Charter High School
- Google
- Hampton University
- HerWILL
- Huston-Tillotson University
- Intel
- ISO New England
- IVADO
- Keysight Technologies
- Kids Teach Tech
- Kinaxis
- Los Alamos National Laboratory
- Moreno Valley College
- Pacific Northwest National Laboratory
- Partnership for Inclusive Innovation
- PDI Software
- Physical Internet Center at Georgia Tech
- Ryder
- Sandia National Laboratory
- Seth Bonder Foundation
- Southern Company
- Texas Southern University
- United Parcel Service
- University of Waterloo
- Victor Valley College
- Westlake High School
- Zuse Institute Berlin

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

★ LEAD ORGANIZATION   ⬤ SUBAWARD   ⬤ COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Learning-Enabled Optimization at Scale (TILOS)

LEAD ORGANIZATION
University of California San Diego

SUBAWARD
- Massachusetts Institute of Technology
- National University
- University of Pennsylvania
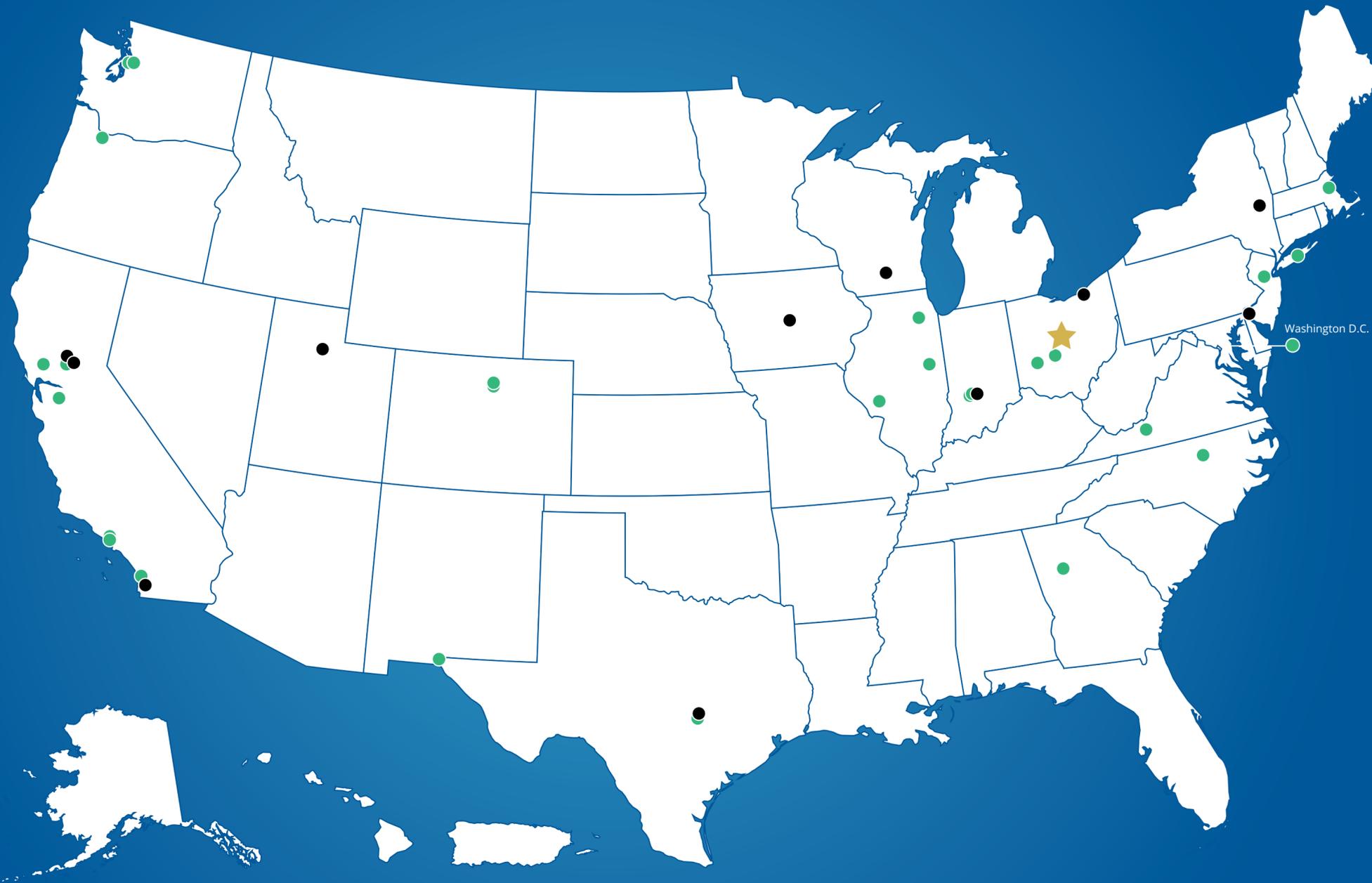- University of Texas at Austin
- Yale University

COLLABORATORS
- Advanced Micro Devices, Inc.
- Ansys, Inc.
- A Reason To Survive (ARTS)
- Cadence Design Systems
- FIRST
- Girl Scouts San Diego
- Google
- IBM
- Intel
- Meta
- NVIDIA
- Planck Aerosystem, Inc.
- Qualcomm
- SACNAS
- Samsung Austin R & D Center
- Samsung Strategy and Innovation Center
- Siemens EDA
- Silicon Integration Initiative, Inc.
- Sweetwater Union High School District
- Synopsys, Inc.
- TuSimple, Inc.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment (ICICLE)

LEAD ORGANIZATION
The Ohio State University

SUBAWARD

- Case Western Reserve University
- IC-FOODS
- Indiana University
- Iowa State University
- Rensselaer Polytechnic Institute
- University of California, Davis
- University of California San Diego
- University of Delaware
- University of Texas at Austin
- University of Utah
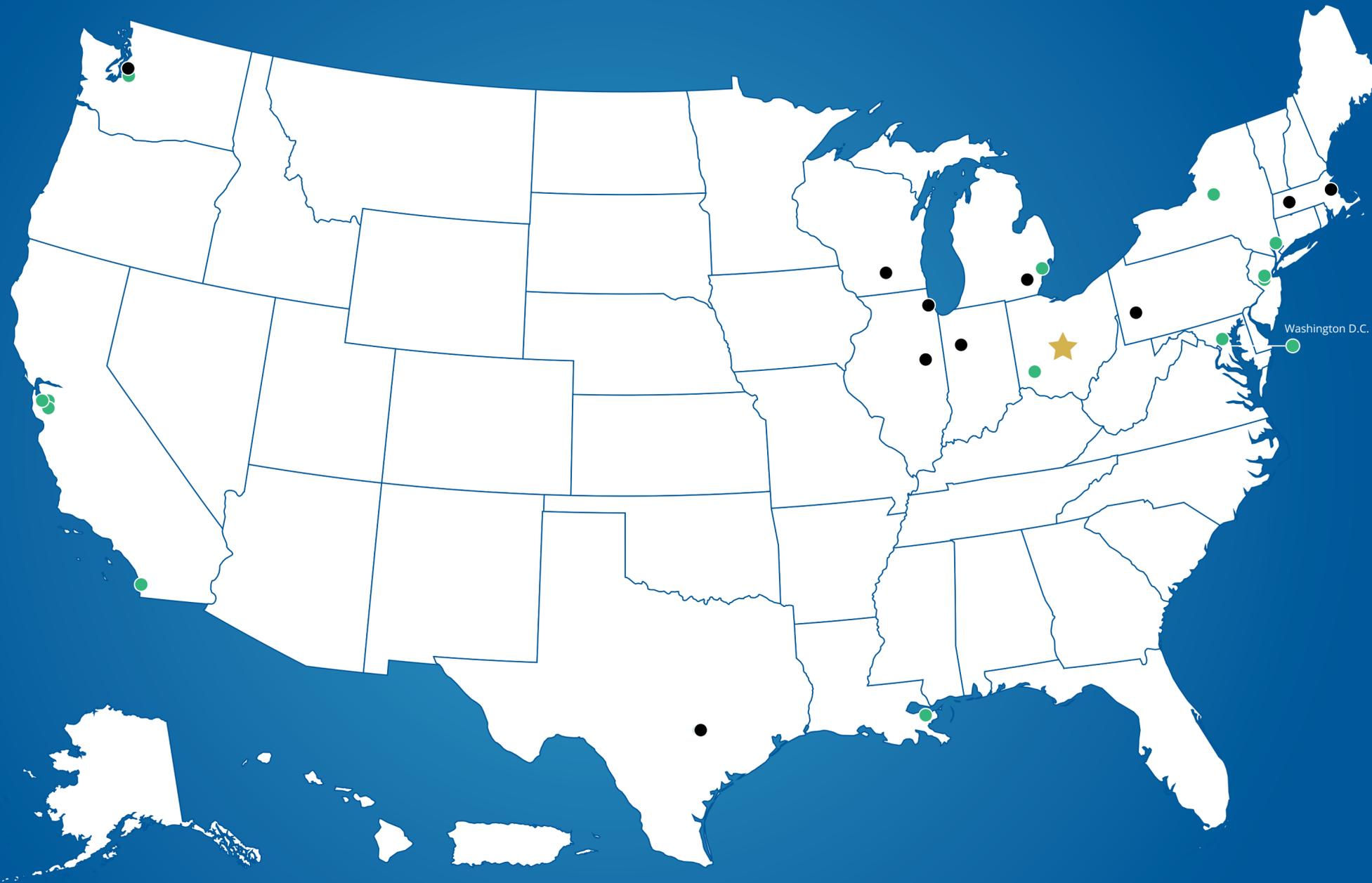- University of Wisconsin-Madison

COLLABORATORS

- AccessComputing
- Agricultural Data Coalition
- AI Institute for Next Generation Food Systems
- Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability Institute
- Brookhaven National Laboratory
- CNH Industrial
- Computing Alliance of Hispanic-Serving Institutions
- Expanding Pathways in Computing Alliance
- Fermi National Accelerator Laboratory
- I Love Farmers Markets
- Indiana University-Jetstream
- Information Sciences Institute
- Institute for Artificial Intelligence and Fundamental Interactions
- Lawrence Livermore National Laboratory
- Max Planck Society
- Microsoft AI for Earth
- Mid-Ohio Food Collective
- Molecular Sciences Software Institute
- National Center for Women and Information Technology
- National Ecological Observatory Network-Battelle
- Nationwide Children's Hospital
- Princeton University
- Science Gateways Community Institute
- Southern California Earthquake Center
- The Findings Group
- TrustedCI Institute
- University of North Carolina at Chapel Hill
- University of Stuttgart
- U.S. Fish and Wildlife Service
- WildMe

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

LEAD ORGANIZATION ⭐   SUBAWARD ⬤   COLLABORATORS ⬤

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Future Edge Networks and Distributed Intelligence (AI-EDGE)

LEAD ORGANIZATION
The Ohio State University

SUBAWARD
- Carnegie Mellon University
- Northeastern University
- Purdue University
- University of Illinois Chicago
- University of Illinois Urbana-Champaign
- University of Massachusetts Amherst
- University of Michigan
- University of Texas at Austin
- University of Washington
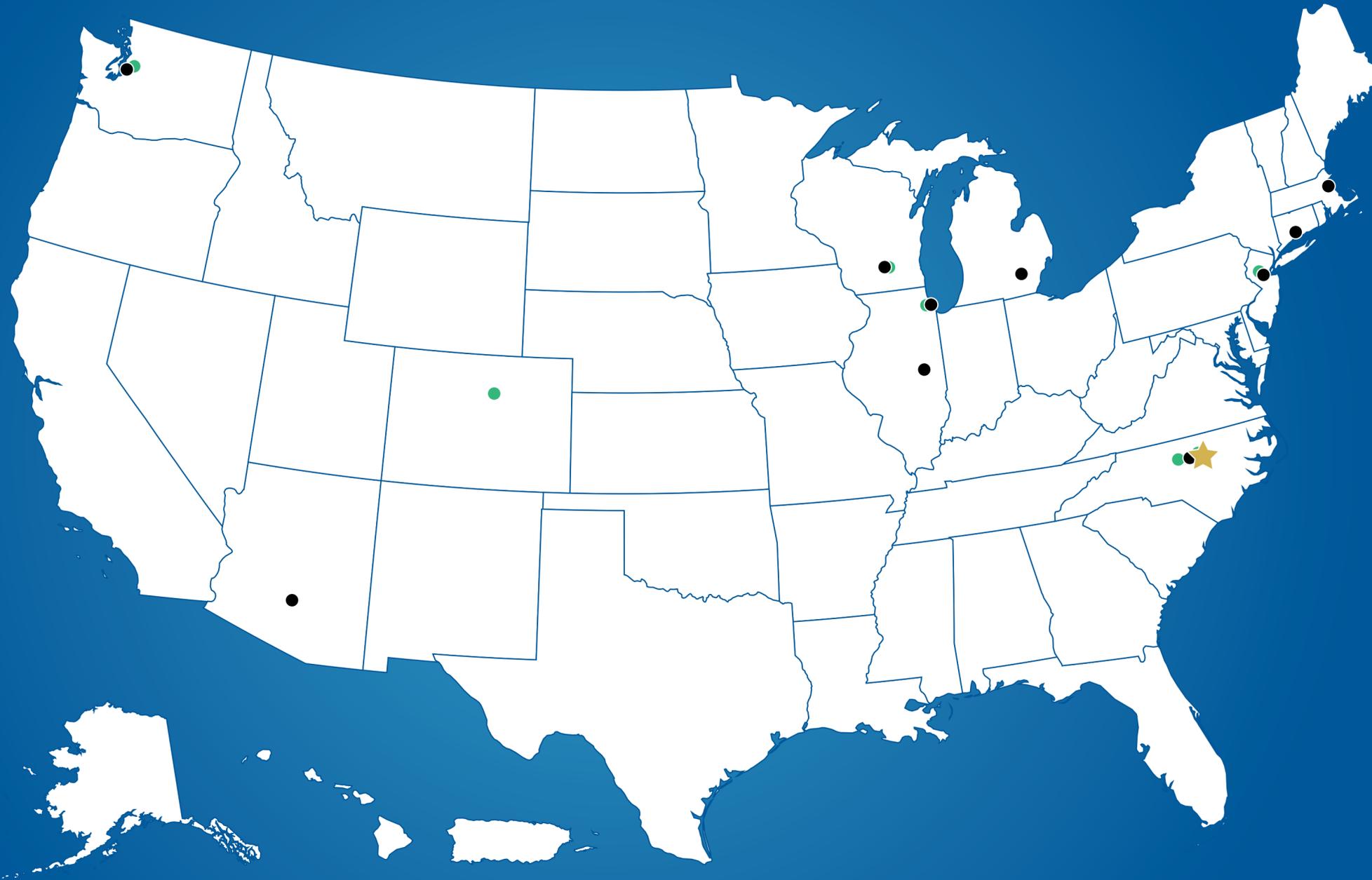- University of Wisconsin-Madison

COLLABORATORS
- Air Force Research Laboratory, NY
- Air Force Research Laboratory, OH
- Army Research Laboratory
- AT&T Labs, NJ
- AT&T Labs, TX
- Cisco
- IBM Thomas J. Watson Research Center
- Indian Institute of Technology-Madras
- Indian Institute of Technology Bombay
- Korea Advanced Institute of Science & Technology (KAIST)
- Korea University
- Microsoft
- Naval Research Laboratory
- NVIDIA
- Open Networking Foundation
- Qualcomm, CA
- Qualcomm, NJ
- Seoul National University
- Tulane University
- Wayne State University

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⚫ SUBAWARD 🟢 COLLABORATORS

AI Institute for Edge Computing Leveraging Next-generation Networks (Athena)

LEAD ORGANIZATION
Duke University

SUBAWARD
- Arizona State University
- Massachusetts Institute of Technology
- North Carolina A&T
- Princeton University
- University of Illinois Chicago
- University of Illinois Urbana-Champaign
- University of Michigan
- University of Washington
- University of Wisconsin
- Yale University

COLLABORATORS
- 5NINES
- AT&T
- EdgeMicro
- Microsoft
- Motorola Solutions
- North Carolina School of Science and Mathematics
- The STEM Early College at N.C. A&T
- Town of Cary

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⬤ SUBAWARD   ⬤ COLLABORATORS

AI Institute for Dynamic Systems

LEAD ORGANIZATION
University of Washington

SUBAWARD
- Boise State University
- Columbia University
- Harvard University
- Montana State University
- Portland State University
- Seattle University
- University of Alaska Anchorage
- University of Hawaii
- University of Nevada Reno

COLLABORATORS
- Boeing Advanced Research Center
- Idaho National Laboratory
- Mitsubishi Electric Research Laboratories
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratories
- Spelman College
- The Aerospace Corporation

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⬤ SUBAWARD 🟢 COLLABORATORS

Washington D.C.

AI Institute for Engaged Learning (ENGAGE AI Institute)

LEAD ORGANIZATION
North Carolina State University

SUBAWARD
- Digital Promise Global, D.C.
- Digital Promise Global, CA
- Indiana University
- University of North Carolina at Chapel Hill
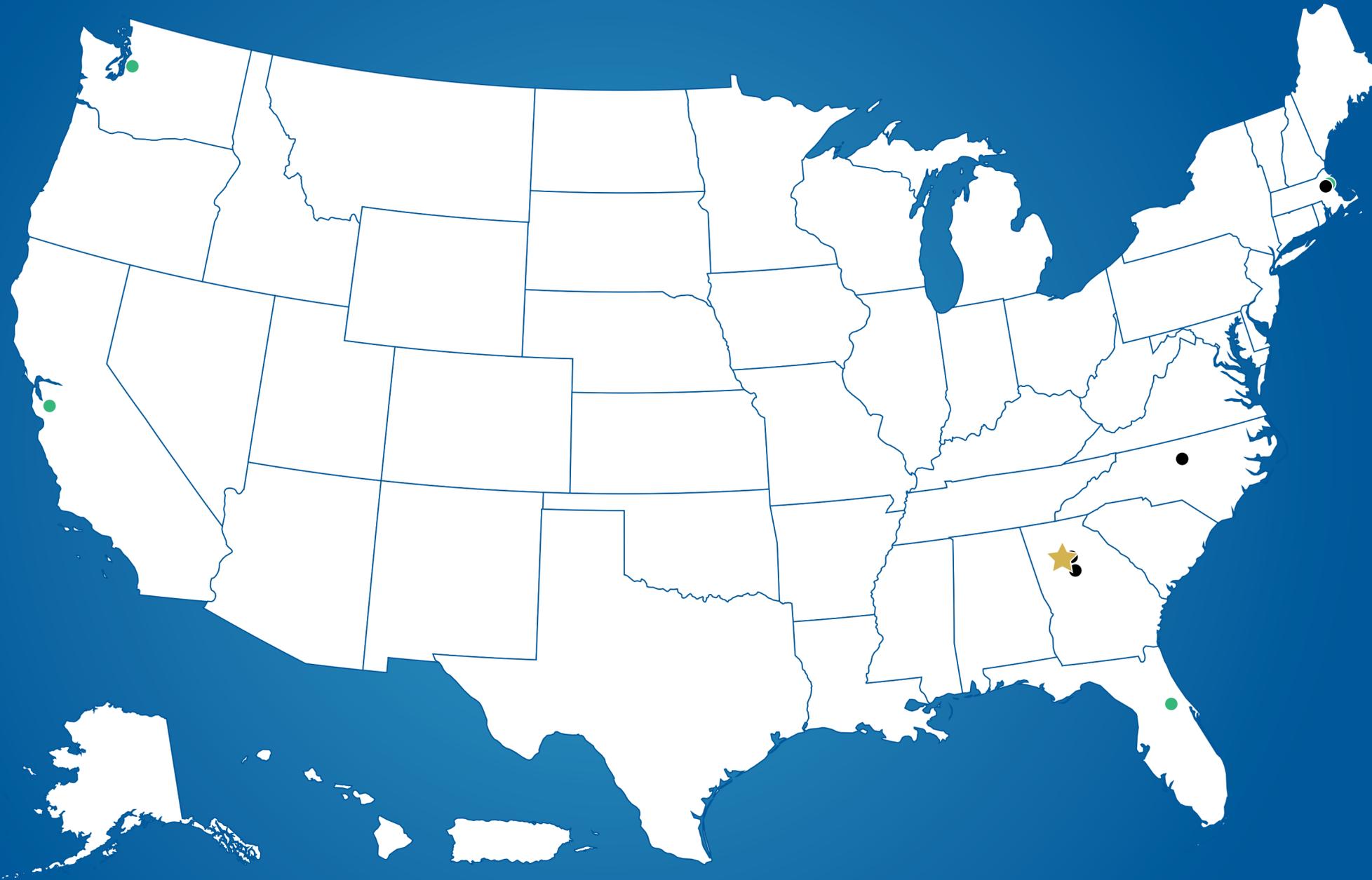- Vanderbilt University

COLLABORATORS
- AI for Teachers
- Boys & Girls Clubs of Bloomington
- Boys & Girls Clubs of the Coastal Plain
- Brown County Schools
- Code.org
- Computer Science Teachers Association
- Computing Research Association
- CSforALL
- Dare County Schools
- EngageCSEdu
- Greater Clark County Schools
- Indiana School for the Deaf
- Loogootee Community School Corporation
- Metro Nashville Public Schools
- Metropolitan School District of Wayne Township
- Monroe County Community School Corporation
- Nextech
- North Carolina Department of Public Instruction
- North Carolina Museum of Natural Sciences
- STARS Computing Corps
- Wake County Public School System
- WonderLab Museum of Science, Health and Technology

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

AI Institute for Adult Learning and Online Education (ALOE)

LEAD ORGANIZATION
Georgia Institute of Technology

SUBAWARD
- Georgia State University
- Harvard University
- Technical College System of Georgia (TCSG)
- University of North Carolina at Greensboro

COLLABORATORS
- 1EdTech
- Boeing
- IBM
- Wiley

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

Institute for Agricultural AI for Transforming Workforce and Decision Support (AgAID)

LEAD ORGANIZATION
Washington State University

SUBAWARD
- Carnegie Mellon University
- Heritage University
- Innov8 Ag
- Kansas State University
- Oregon State University
- University of California Merced
- University of Virginia
- Wenatchee Valley College

COLLABORATORS
- AgTech Insight
- AgWeatherNet
- Allan Bros
- Almond Board of CA
- California Department of Water Resources
- Cascadia Innovation Corridor
- Central Valley Community Foundation
- Chemeketa Community College
- Ciel du Cheval Vineyard
- Columbia Basin College
- Columbia Crest Winery
- Dive 4 Agriculture
- Environmental Defence Fund
- First Nations MESA, Heritage University
- Good Fruit Grower
- Grassland Water District
- G S Long
- Hebrew University
- IBM Research
- Leibniz Institute for Agricultural Engeneering and Bioeconomy
- Linn-Benton Community College
- Merced College
- Merced Irrigation District
- Mercer Ranches
- Microsoft
- Microsoft Research
- NCW Tech Alliance
- Okanogan Irrigation District
- Pontificia Universidad Católica de Chile
- Roza Irrigation District
- Turlock Irrigation District
- Universitat Politècnica de València
- University of British Columbia
- University of Technology Sydney
- Verdant Robotics
- Wageningen University and Research
- Walla Walla County Conservation District
- Washington Department of Ecology
- Washington State Mint Commission
- WA Tree Fruit Research Commission
- Wilbur-Ellis
- Wonderful Orchards
- Yakama Nation Tribal School
- Zirkle Fruit Co

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

AI Institute for Resilient Agriculture (AIIRA)

LEAD ORGANIZATION
Iowa State University

SUBAWARD
- Carnegie Mellon University
- George Mason University
- Iowa Soybean Association
- New York University
- University of Arizona
- University of Missouri
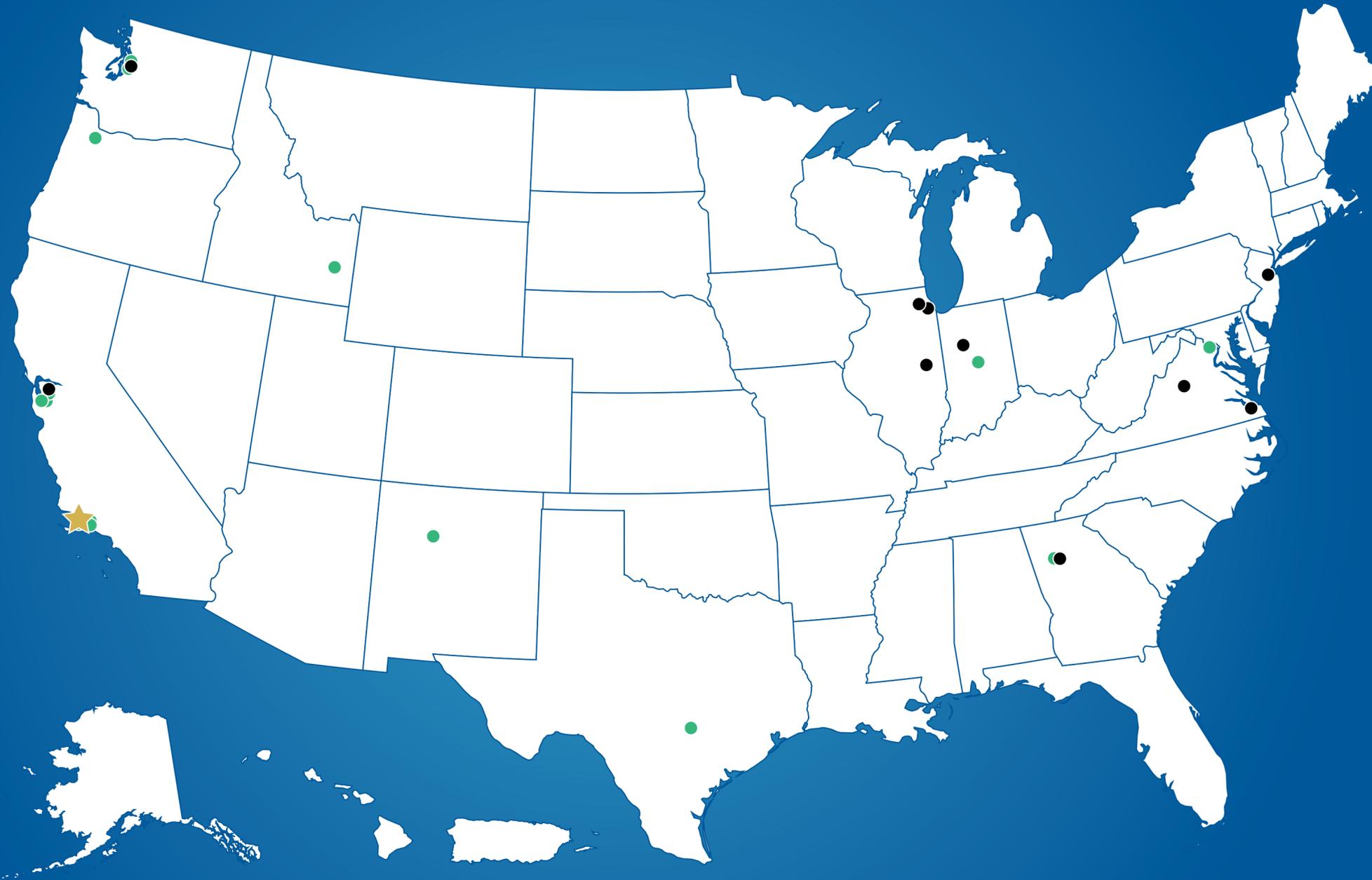- University of Nebraska-Lincoln

COLLABORATORS
- Agriculture Genome to Phenome Initiative
- AI Institute: Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability (AIFARMS)
- AI Institute for Next Generation Food Systems
- Bayer
- Big Data in a Box
- BioConnect Iowa
- Bloomfield Robotics
- Cornell AgriTech
- Corteva Agriscience
- CSIRO, Australia
- CyVerse
- Dryland Genetics
- EarthSense, Inc.
- EnGenious Ag
- ETALYC Inc.
- Federal Statistical Research Data Center (FSRDC) at Iowa State University
- Genomes to Fields Initiative
- Grow Pittsburgh
- International Plant Phenotyping Network
- Iowa Corn Growers Association
- Iowa Economic Development Authority

- Iowa Fruit & Vegetable Growers Association
- Iowa Soybean Association
- John Deere
- Microsoft
- MidWest Big Data Hub
- Mineral Google - X, The Moonshot Factory
- North American Plant Phenotyping Network (NAPPN)
- Oak Ridge National Laboratory
- Omni Analytics Group
- Practical Farmers of Iowa
- Raven Applied Technology
- RocketML, Inc.
- The Data and Software Carpentries
- The University of Tokyo
- University of Arizona TRIPODS
- University of Nebraska–Lincon Institute of Agriculture and Natural Resources Center for Resilience in Agricultural Working Landscapes
- USDA, Agricultural Research Service
- Vermeer Corporation

Legend: ⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⬤ SUBAWARD   🟢 COLLABORATORS

AI Institute for Agent-based Cyber Threat Intelligence and Operation (ACTION)

LEAD ORGANIZATION
University of California, Santa Barbara

SUBAWARD
- Georgia Tech
- Multi-campus UC Berkeley award
- Norfolk State University
- Purdue University
- Rutgers University
- University of Chicago
- University of Illinois Chicago
- University of Illinois Urbana-Champaign
- University of Virginia
- University of Washington

COLLABORATORS
- Boeing Research and Technology
- CISPA, Helmholtz Center for Info Security
- Google
- Idaho National Laboratory
- Infosys
- Institute Eurecom
- Intel
- Lawrence Livermore National Laboratory
- ManTech International
- MasterCard
- Novim
- Palo Alto Networks
- Politecninco de Milano
- Sandia National Laboratories
- Spelman College
- UCSB Early Academic Outreach Program
- UT-Austin Institute for the Foundation of ML
- UW AI Institute on Dynamical Systems
- UW eScience Institute
- UW Institute for Foundations of Data Science

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⬤ SUBAWARD 🟢 COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Artificial and Natural Intelligence (ARNI)

LEAD ORGANIZATION
Columbia University

SUBAWARD
- Baylor College of Medicine
- CUNY Graduate School University Center
- CUNY Hunter College
- Harvard University
- NY Hall of Science
- Tuskegee University
- University of Pennsylvania
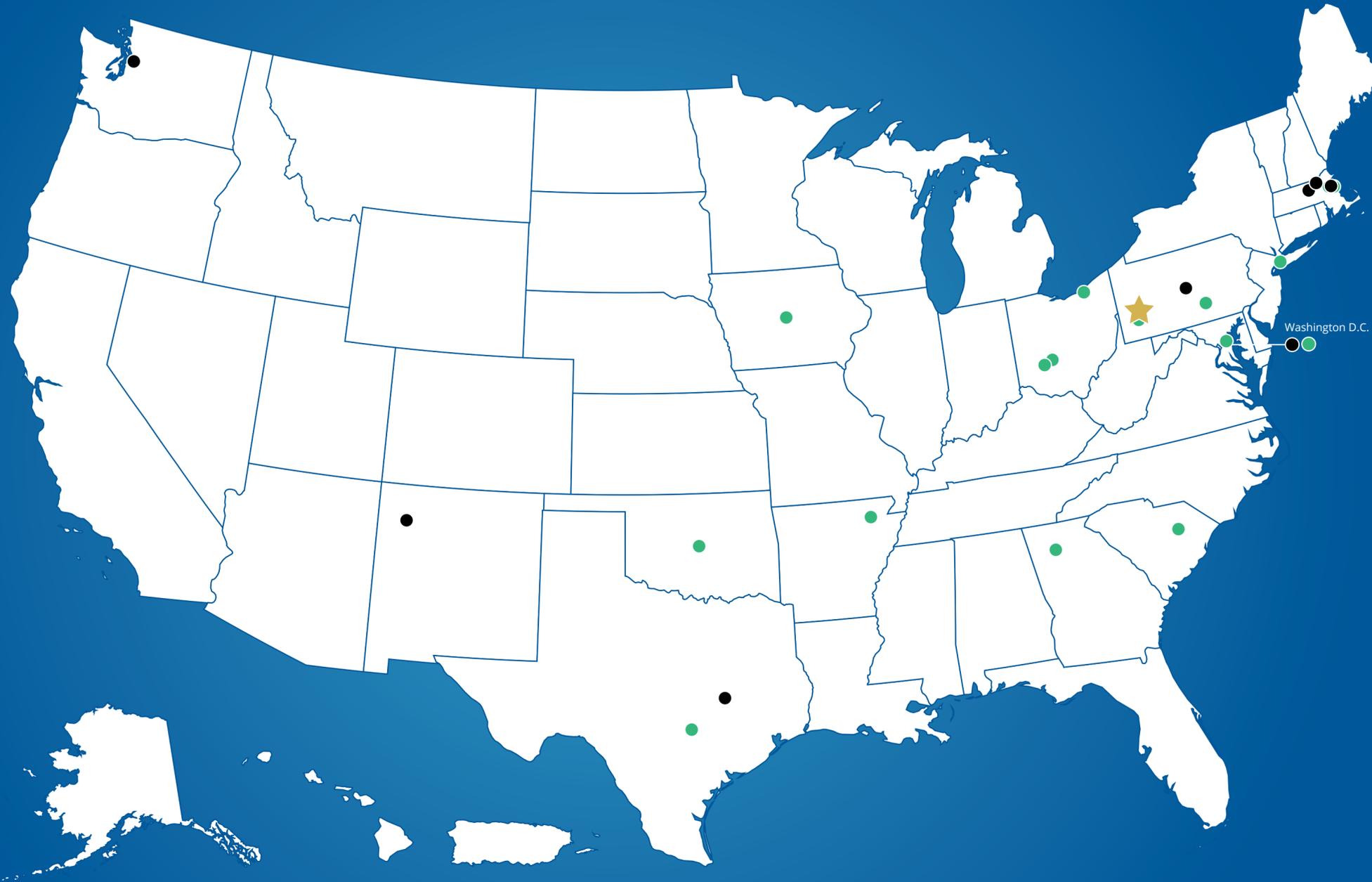- Yale University

COLLABORATORS
- Amazon
- Deep Mind
- IBM Research
- McGill University
- Neuromatch
- Universite de Montreal
- Vicarious AI

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

Washington D.C.

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Societal Decision Making (AI-SDM)

LEAD ORGANIZATION
Carnegie Mellon University

SUBAWARD
- Boston Children's Hospital
- Harvard University
- Howard University
- MITRE Corporation
- Navajo Technical University
- Texas A&M
- The Pennsylvania Sate University
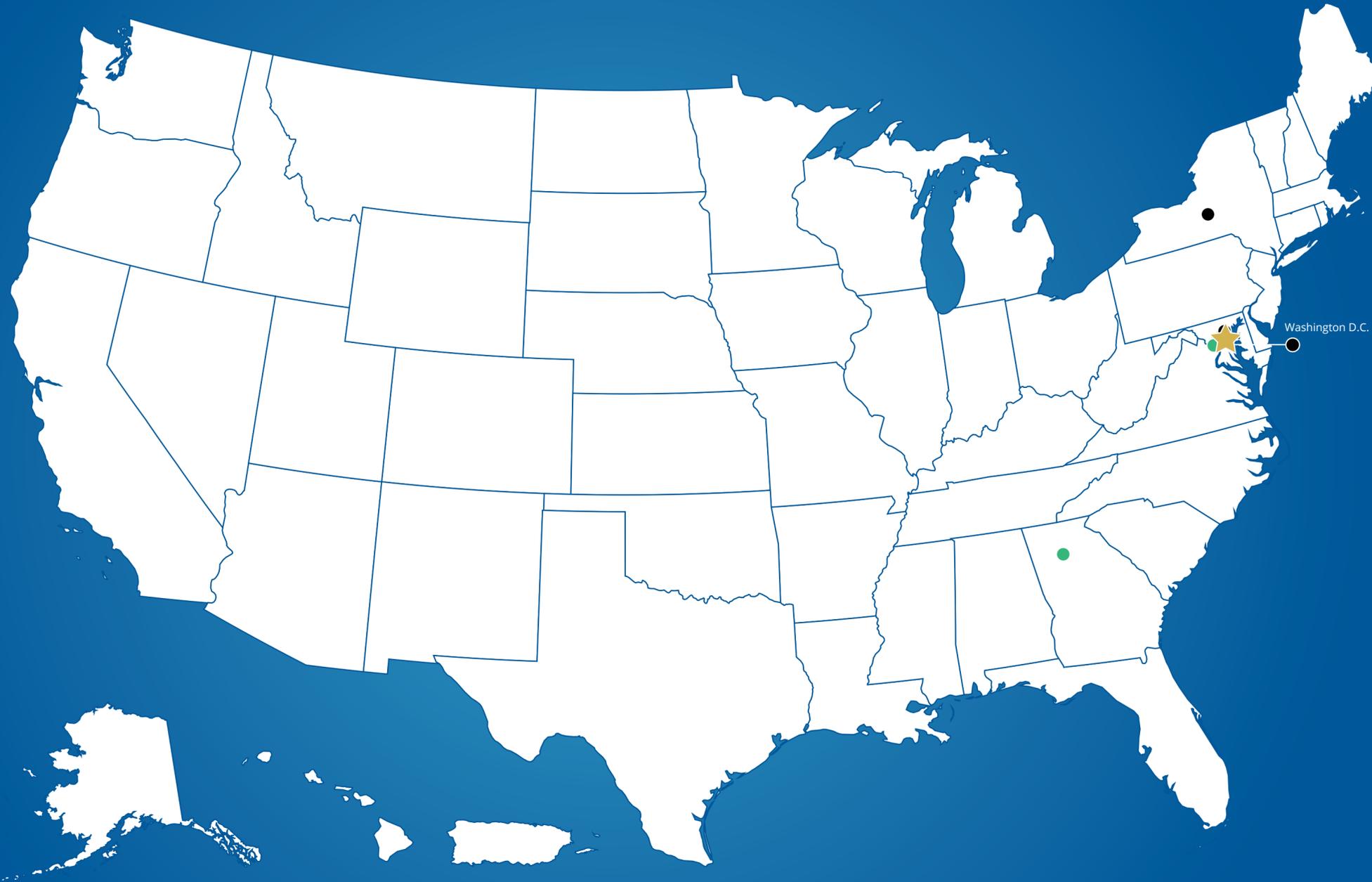- The University of Washington

COLLABORATORS
- AI Institute for Future Design Networks and Distributed Intelligence
- AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography (AI2ES)
- AI Institute for Resilient Agriculture (AIIRA)
- Air Force Reserach Laboratory
- Allegheny County Health Department
- American Red Cross
- Arkansas State University
- Armman
- Artificial Intelligence Institute for Advances in Optimization AI4OPT
- Boston Public Library
- Carnegie Library of Pittsburgh
- Central Carolina Technical College
- Cleveland Clinic
- Google, India
- Government of Madagascar Ministry of Health
- HaSET, Ethiopian Public Health Institute
- Kushibaby
- Massachussets Department of Health
- Microsoft Research
- Naima Health
- Optum
- Pennsylvania Emergency Managment Agency
- Texas Division of Emergency Management
- Winchester Thurston

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION   ⚫ SUBAWARD   🟢 COLLABORATORS

Washington D.C.

AI Institute for Trustworthy AI in Law and Society (TRAILS)

LEAD ORGANIZATION
University of Maryland, College Park

SUBAWARD
- Cornell University
- George Washington University
- Morgan State University

COLLABORATORS
- DataEdX
- Digital Promise
- Institute for Education Sciences
- Maryland Center for Computing Education
- National Aeronautics and Space Administration (NASA)
- Planet Word Museum

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

☆ LEAD ORGANIZATION ⬤ SUBAWARD ⬤ COLLABORATORS

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

AI Institute for Inclusive Intelligent Technologies for Education (INVITE)

LEAD ORGANIZATION
University of Illinois Urbana-Champaign

SUBAWARD
- Balance Studios
- Educational Testing Service
- Temple University
- University of Florida
- University of Michigan
- University of Oregon
- University of Southern California
- Wright State University

COLLABORATORS
- Alachua County Public Schools
- Camden Dream Center
- Champaign Unit 4 Schools
- Danville School District 118
- East St. Louis School District 189
- Hispanics Inspiring Students' Performance and Achievement (HISPA)
- Pennsbury School District
- Peoria Public Schools
- Urbana Neighborhood Connections Center
- Urbana School District #116
- Western Center Academy

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⚫ SUBAWARD 🟢 COLLABORATORS

AI Institute for Exceptional Education (AI4ExceptionalEd)

LEAD ORGANIZATION
University at Buffalo

SUBAWARD
- Cornell University
- Pennsylvania State University
- Stanford University
- University of Illinois Urbana-Champaign
- University of Nevada
- University of Oregon
- University of Texas at El Paso
- University of Washington

COLLABORATORS
- Amherst Central School District
- Buffalo-area Engineering for Minorities
- Buffalo Public Schools
- Desert Research Institute Nevada Robotics
- GiGi's Playhouse Buffalo
- Sweet Home Central School District of Amherst and Tonawanda
- The Summit Center
- Washoe County School District
- WNY STEM Hub

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⬤ SUBAWARD 🟢 COLLABORATORS

AI Institute for Climate-Land Interactions, Mitigation, Adaptation, Tradeoffs and Economy (AI-CLIMATE)

LEAD ORGANIZATION
University of Minnesota, Twin Cities

SUBAWARD
- Colorado State University
- Cornell University
- Delaware State
- ISRIC - Netherlands
- North Carolina State University
- Purdue University

COLLABORATORS
- GEMS Informatics Center
- Land O' Lakes
- Midwest Big Data Innovaton Hub
- Icicle NSF-AI Institute
- Information Technology Colorado State University
- MnRI (UMN)
- MSI/RC (UMN)
- NVIDIA
- Pepsico
- Precision Ag Center (UMN)
- American Society of Agronomy
- National FFA Organization
- AIHEC
- Sentera
- TNC, The Nature Conservancy
- USDA/Forest Service Northern Research Station
- WEAVE
- CSU computing
- Cornell Climate-Smart Farming Team
- Cornell Institute for Digital Agriculture
- CropLife Media/ Meister Media Worldwide
- DSU Ag-IT

The map reflects the approximate location of the lead organizations, subawards, and collaborators.
Note: Collaborators related to an Institute may be represented with a single plot due to space limitations.

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

⭐ LEAD ORGANIZATION ⬤ SUBAWARD

The map reflects the approximate location of the lead organizations and subawards.

2020 AWARDS

AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography (AI2ES)
University of Oklahoma

AI Institute for Foundations of Machine Learning (IFML)
University of Texas at Austin

AI Institute for Student-AI Teaming (iSAT)
University of Colorado Boulder

AI Institute for Molecular Discovery, Synthetic Strategy, and Manufacturing (Molecule Maker Lab or MMLI)
University of Illinois Urbana-Champaign

AI Institute for Artificial Intelligence and Fundamental Interactions (IAFI)
Massachusetts Institute of Technology

AI Institute for Next Generation Food Systems (AIFS)
University of California, Davis

AI Institute for Future Agricultural Resilience, Management, and Sustainability (AIFARMS)
University of Illinois Urbana-Champaign

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

LEAD ORGANIZATION   ○ SUBAWARD

The map reflects the approximate location of the lead organizations and subawards.

2021 AWARDS

AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING)
Georgia Tech

AI Institute for Advances in Optimization (AI4OPT)
Georgia Tech

AI Institute for Learning-Enabled Optimization at Scale (TILOS)
University of California San Diego

AI Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment (ICICLE)
The Ohio State University

AI Institute for Future Edge Networks and Distributed Intelligence (AI-EDGE)
The Ohio State University

AI Institute for Edge Computing Leveraging Next-generation Networks (Athena)
Duke University

AI Institute for Dynamic Systems
University of Washington

AI Institute for Engaged Learning (ENGAGE AI Institute)
North Carolina State University

AI Institute for Adult Learning and Online Education (ALOE)
Georgia Institute of Technology

Institute for Agricultural AI for Transforming Workforce and Decision Support (AgAID)
Washington State University

AI Institute for Resilient Agriculture (AIIRA)
Iowa State University

NATIONAL AI RESEARCH INSTITUTES

The NSF-led National AI Research Institutes Program is the nation's largest AI research ecosystem and is supported by a partnership of federal agencies and industry leaders.

★ LEAD ORGANIZATION   ◉ SUBAWARD

The map reflects the approximate location of the lead organizations and subawards.

2023 AWARDS

AI Institute for Agent-based Cyber Threat Intelligence and Operation (ACTION)
University of California, Santa Barbara

AI Institute for Artificial and Natural Intelligence (ARNI)
Columbia University

AI Institute for Societal Decision Making (AI-SDM)
Carnegie Mellon University

AI Institute for Trustworthy AI in Law and Society (TRAILS)
University of Maryland, College Park

AI Institute for Inclusive Intelligent Technologies for Education (INVITE)
University of Illinois Urbana-Champaign

NSF AI Institute for Exceptional Education (AI4ExceptionalEd)
University at Buffalo

AI Institute for Climate-Land Interactions, Mitigation, Adaptation, Tradeoffs and Economy (AI-CLIMATE)
University of Minnesota, Twin Cities