





## Transitioning Beyond EPSCoR

Eligibility criteria allows for continued investments in EPSCoR jurisdictions on the cusp of eligibility. This effort will mitigate year-to-year eligibility fluctuation and provide a buffer for those jurisdictions on an upward funding trajectory. EPSCoR eligibility is based on a five-year average with an expanded definition of NSF investments with an updated announcement each year on Oct. 1. These rules were designed as the best practice for building sustainable STEM research and education capacities. Link to [eligibility table](#).

### EPSCoR Highlights



#### Kentucky

At Morehead State University, Kouroush Jenab and Jorge Ortega-Moody use virtual reality to test and train Kentucky's manufacturing workforce by strengthening the connection between human and machine. By working in virtual reality, the team develops a better understanding of the safety concerns and maintenance needs of advanced manufacturing robotics.



#### Mississippi

Colleen Scott seeks to simplify how technicians prepare for medical imaging. Working with students from Mississippi State University, the University of Mississippi, and the University of Illinois Urbana-Champaign, she has developed a streamlined method for producing stable dyes that can be used by medical professionals to look through the top layers of tissue while maintaining high-resolution images.



#### Montana

At the University of Montana, Riley Logan's research used drone-based imaging systems to identify algae blooms in the state's river systems. Algae blooms can impact water quality and the health of local fish. By developing this airborne observation system, large sections of the river system can be investigated without the need for disturbing the river itself.

Find out more information about specific [EPSCoR jurisdictions](#).



## EPSCoR Outcomes

- **Impact research, education and economic development.** Researchers in EPSCoR jurisdictions have received 64 new patents and leveraged over \$1.4 billion in new awards in the past five years.
- **Catalyze research capability development and new knowledge creation.** EPSCoR has co-funded 210 CAREER awards in the past five years, helping to spark the research careers of junior faculty.
- **Establish sustainable STEM education, training and professional development pathways.** EPSCoR projects supported more than 7,000 faculty researchers and 16,800 students over the past five years.
- **Broaden the direct participation of diverse individuals, institutions and organizations.** From 2017 to 2022, 486 graduate and undergraduate students from groups underrepresented in STEM who were involved in EPSCoR projects attained their degrees.
- **Effect engagement at the academic, government and private-sector levels.** Since 2017, EPSCoR-supported outreach engaged nearly 10,000 faculty at academic institutions, more than 18,000 K-12 teachers and at least 309,000 K-12 students.