NSF ENGINES: COLORADO-WYOMING COMMUNITY RESILIENCE ENGINE

Taking Innovation to the Next Level

CO-WY Engine Impact

The Colorado-Wyoming Community Resilience Engine, powered by Innosphere, is one of the National Science Foundation's inaugural Regional Innovation Engines (NSF Engines). It is a place-based innovation ecosystem designed to transform cutting-edge research in Advanced Sensing and Computation for Environmental Decision-making (ASCEND) into economic and societal impact.

The CO-WY Engine will elevate Colorado and Wyoming as the leading U.S. hub for climate resilience technology, advancing AI-driven analytics, smart infrastructure, and disaster mitigation strategies that scale nationally and globally. By uniting regional strengths, including research universities, national labs, venture capital networks, and key industries in energy, aerospace, agriculture, and water management—this innovation ecosystem will:

- Integrate breakthrough research, public-private partnerships, and technology commercialization to drive and scale climate innovation.
- Empower communities, industries, and policymakers with real-time, predictive tools to enhance environmental resilience and economic sustainability.
- Create a national model for advancing climate technology, economic growth, and workforce development in response to evolving environmental challenges.

By 2030, the CO-WY Engine will stand as a global leader in climate resilience, proving how a region historically shaped by natural resource industries can pivot into an innovation powerhouse for climate adaptation.

10 Year expected outcomes aim to generate significant economic impact:

18K New Jobs

$2.7B GDP Boost

$2B Capital Raised

140 Translation, Emergent Grants Awarded

750 Internships/ Apprenticeships

1,500 Upskilled

50 Post-Docs Placed

400 Student Trained Systems Engineering

For more information about the Colorado- Wyoming Engine visit www.co-wyengine.org


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