



COLLABORATE *with*



UCAR CENTER FOR SCIENCE EDUCATION

## OUR IMPACT

The UCAR Center for Science Education (UCAR SciEd) serves NCAR and the university community with high quality products and services to meet broader impacts requirements.

## PRODUCTS | SERVICES

### Engage the Public: Events

Our staff helps you identify and prepare for science festivals and other engagement opportunities for the public. Super Science Saturday events at the Mesa Lab in Boulder, CO, and at the NWSC in Cheyenne, WY, offer science fun for the whole family. UCAR SciEd also coordinates UCAR's participation in regional and national public science events.

### Tell Science Stories: Exhibits and Online Resources

Storytelling reveals the excitement of scientific research, discovery, and careers while building understanding of your science. We share science stories through engaging traveling, temporary, and permanent exhibits at NCAR and other sites and through online educational resources that reach national and international audiences.

### Develop Instructional Materials

Our instructional designers build and test learning materials that bring your science to classrooms and informal education venues such as museums. We use research-based instructional strategies to maximize learning opportunities for diverse audiences.

**A Broader Impact Activity is a planned experience, engagement, action, function that is conducted over a finite period of time for a specific purpose and with a target audience. Broader Impacts refers to activities that go beyond traditional faculty responsibilities.**

—Adapted from National Alliance for Broader Impacts



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### Connect with Teachers and Faculty

From online learning to summer workshops, we provide professional development for educators to learn about teaching Earth system science, including how weather, climate, space weather, and atmospheric science can be included in their classrooms.

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### Build Apps, Games, and Interactive Simulations

We develop educational apps, games, and interactive multimedia for many platforms. Examples include the Field Guide to the Clouds app, the NCAR Mesa Lab Visitor Center tour app, Virtual Ballooning, and the Make a Thunderstorm interactive.

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### Sponsor a SOARS Protégé

SOARS (Significant Opportunities in Atmospheric Research and Science) recruits talented undergraduate students from underrepresented groups for your projects, guides them through the research experience with multiple mentors, and provides year-round support including sharing their research at national conferences.

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### Reach Underserved Audiences

We value diversity, equity, and inclusion and strive to ensure your science reaches a wide, national audience through a well-established website and extensive networks, including minority serving institutions and national and state-wide partnerships such as Smithsonian Affiliations and the Colorado Association of Black Professional Engineers and Scientists.

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### Complimentary Services

We offer complimentary advice and consultation when projects align with broad organizational goals and span multiple parts of UCAR. This includes helping to develop and showcase exhibits and training on the Science Activity Kits that are available for checkout.



## CONTACT US

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