# EDUCATION & OUTREACH OPPORTUNITIES DURING FIELD CAMPAIGNS

NCAR EDUCATION, ENGAGEMENT & EARLY-CAREER DEVELOPMENT (EdEC)



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#### NCAR Education, Engagement & Early-Career Development (EdEC)...

...supports, enhances, and extends the capabilities of the university community and the broader Earth system science community.



#### The EdEC Engagement Section supports field campaigns.











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#### **Supporting Field Campaigns Through Public Engagement**

We can support the engagement component of your field campaign:

**Instrumentation Open Houses** 

**K12 & University Classroom Visits** 

Students in the Field

**Video Production** 

**Teacher Curriculum** 

**Educational Handouts** 



The PI of the OTREC field campaign is interviewed for a video series about the field campaign.



Image: The Walt Disney Company

#### Thoughts on a #2 Pencil



Photo: Wikimedia Commons

## Understanding the needs of your community is key to creating effective, co-produced engagement opportunities

#### **Instrumentation Open Houses**

Media day

**General public engagement** 

Tours, talks, & activities

**Engages 100s of people** 



The WE-CAN PI engages with the public during an open house of the NSF/NCAR C-130 aircraft.

#### **Classroom Visits**

K12 or university

Fill a need for the teacher

Tie into open house

**Engages 100s of students** 



During OTREC, one of the radiosonde sites was at an elementary school, so we regularly engaged the students.

#### **Bringing Students into the Field**

**Undergrad or grad** 

**Training opportunity** 

**Engages 10s of students** 



Working with students in the field is very rewarding. During RELÁMPAGO, a graduate student cohort was involved in a 3-week Advanced Studies Institute.

#### **Video Production**

**Create mini-documentaries** 

Make fieldwork accessible

**Showcase diversity of careers** 

**Engages 1000s of people** 



We created a series of videos for the WE-CAN field campaign, including about the science, team, and instrumentation.

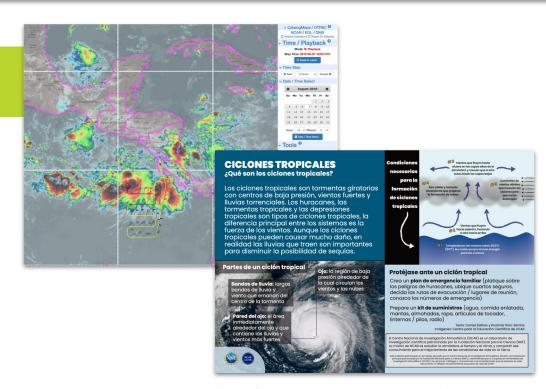
#### **Educational Materials**

**Handouts, flyers & brochures** 

Great to have on hand

Think about appropriate language

Repurpose data for classroom use



Students use real data collected in the field to explore Earth system science concepts (top). Bilingual handouts engage audiences in topics related to your field campaign.

#### Collaborate with us on your field campaign engagement!



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