IDP Education and Public Outreach

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IDP Education and Public Outreach Program

1. Professional Development for Educators—in collaboration with scientists
2. Public Outreach-to museums and community organizations
3. Development of Resources Based on Research Results
   icedrill-education.org
4. Scientist Broader Impacts
   https://icedrill.org/outreach-support
   louise.t.huffman@dartmouth.edu
Broader Impacts

Outreach Support

The Education and Outreach program of IDP fosters diversity through its well-established School of Geosciences for faculty at minority-serving institutions and provides hands-on discovery activities based on ice science to middle-school and secondary-school teachers. IDP outreach efforts advance public literacy by humanizing the face of climate science by engaging community scientists in professional settings with educators through, for example, national conferences of the National Science Teacher Association.

Scientists who seek to include IDP education and outreach activities associated with U.S. Ice coring or drilling science projects should contact Louise Huffman at Louise.T.Huffman@Dartmouth.edu during their proposal preparation stage.

Outreach Contact
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Virtual Field Labs

3-Part Video Series Exploring Climate Questions featuring a Researcher

Dr. Dominic Winski, Climate Warnings From Alaska Episode #1-Virtual Field Labs
Virtual Field Labs

- Combines lab and field experiences
- Delivered digitally icedrill-education.org
- Middle school through college
- Independently or teacher-led

- Three-part series: 1. Intro/Question; 2. Data Collection/analysis; 3. (So what?) Relationship to future
- Led by scientists
- Diverse presenters
- Student engagement throughout

Ron Hale—teacher
Chicago Public Schools

Camille Moore
Masters student
Georgetown University
Environmental Science

McKale Thompson—student
Washington University
Sustainable Building

Leila Winn
Student
NY University

Dr. Meredith Kelly
Dartmouth College

Dr. Erich Osterberg
Dartmouth College

Dr. Dom Winski
University of Maine
Classroom Labs and Activities

1. Based on current science research
2. Use easily obtained materials
3. Aligned with Next Generation Science Standards (NGSS)
4. Entry level —can be used from middle school to college
5. Inquiry based/hands—on
Public Outreach

Grad students helped at Montshire Science Museum, Vermont

Ted X Mile High Event—Partnered with NSF ICF

Public Event at Geology Museum at Rutgers

Women’s Club in Naples, FL

Winter Science Event at Science Museum of Orlando
School of Ice

Professional Development for Faculty at Minority Serving Institutions
Schools of Ice 2022

June 26-30, 2022 Dartmouth, Hanover, NH

August 7-11, 2022 COLDEX-OSU, Corvallis, OR

Please advertise to colleagues
icedrill-education.org/school-of-ice/
How can the IDP EPO help you meet your broader impacts?

QUESTIONS

or

Suggestions?
Professional Development K-12

Golden Apple

NSTA

AGU-GIFT