IDP Education and Public Outreach

Louise T. Huffman
Director of Education and Public Outreach, US Ice Drilling Program
louise.t.huffman@dartmouth.edu
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

4. Scientist Broader Impacts
   https://icedrill.org/outreach-support
   louise.t.huffman@dartmouth.edu

icedrill-education.org
Broader Impacts

Discover IDP

Step 1: icedrill.org
Step 2: Contact Louise early in your proposal preparation
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