The MOSAiC School: Training the next generation of polar science communicators

Carolynn (Carrie) Harris
PhD Student Dartmouth College | MOSAiC Ambassador
The MOSAiC School

1. Train and educate the next generation of Arctic system science experts

2. Provide support to MOSAiC science teams aboard the R/V Fedorov

3. Communicate knowledge & experiences through Ambassador Projects
Student Outreach Ambassadors

20 graduate students

12 countries & 3 continents

10 students’ first time doing Arctic fieldwork

Josefine Lenz & Thomas Rackow
Phase 1: Training

- Crash course in multidisciplinary Arctic science
- Media & outreach training
- Translating experience to education

Explore the Arctic from the comfort of your couch!

MOOC - Frozen in the Ice: Exploring the Arctic

https://www.youtube.com/user/CIRESvideos
Phase 2: Supporting Science Teams

Ice core team with Michael Angelopolous

Distributed Network setup

- Ice floe mapping
- Ice drilling
- Buoy & sensor deployment
- Loading
- Weather prediction

Credit: Katie Gavenus
Phase 3: Outreach

100+ Engagements

• Conference presentations
• Talks to home departments
• Written articles
• Lessons in local schools
• TV & radio/ podcast interviews
• And many more!

Exploring By the Seat of Your Pants
Virtual Presentation to educational non-profit that connects explorers to K-12 classrooms
MOSAiC MixDown: mini-podcasts from the Arctic

Sam Cornish (UK)
- University of Oxford
- PhD Student
- Physical oceanography
  @sbcornish

- Bringing the Arctic science revolution to life in audio
- Based on interviews conducted aboard the R/V Fedorov
- Mini episodes (5-10 minutes)

https://www.buzzsprout.com/1009144
The Quiet

Thea Schneider (Germany)
- University of Potsdam
- MS Student
- Arctic climate modeling
thea.schneider@uni-potsdam.de

• Photo book & art installation
Carrie Harris (USA)
- Dartmouth College
- PhD Student
- Geobiology
@iceicecarrie

• Series of activities & challenges to emphasize connections between exploration & science
• Compatible with Girl Scout curriculum
Keep up with the MOSAiC Ambassadors

mosaic-school@apecs.is

@mosaic-embassy

www.apecs.is/outreach/
mosaic-school-outreach.html