



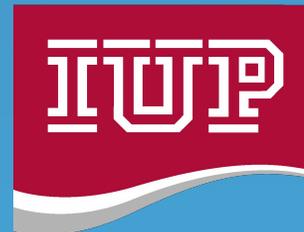
## STEMSEAS Update

Jonathan C. Lewis, Indiana University of Pennsylvania

Sharon K. Cooper, Lamont Doherty Earth Observatory,

## UNOLS Annual Meeting

November 2 2020



## 2020 STEMSEAS Transits

**24 April – 1 May:** *R/V Endeavor* from Port Everglades, FL to Narragansett, RI

**12 May – 17 May:** *R/V Sikuliaq* from Seward, AK to Seattle, WA

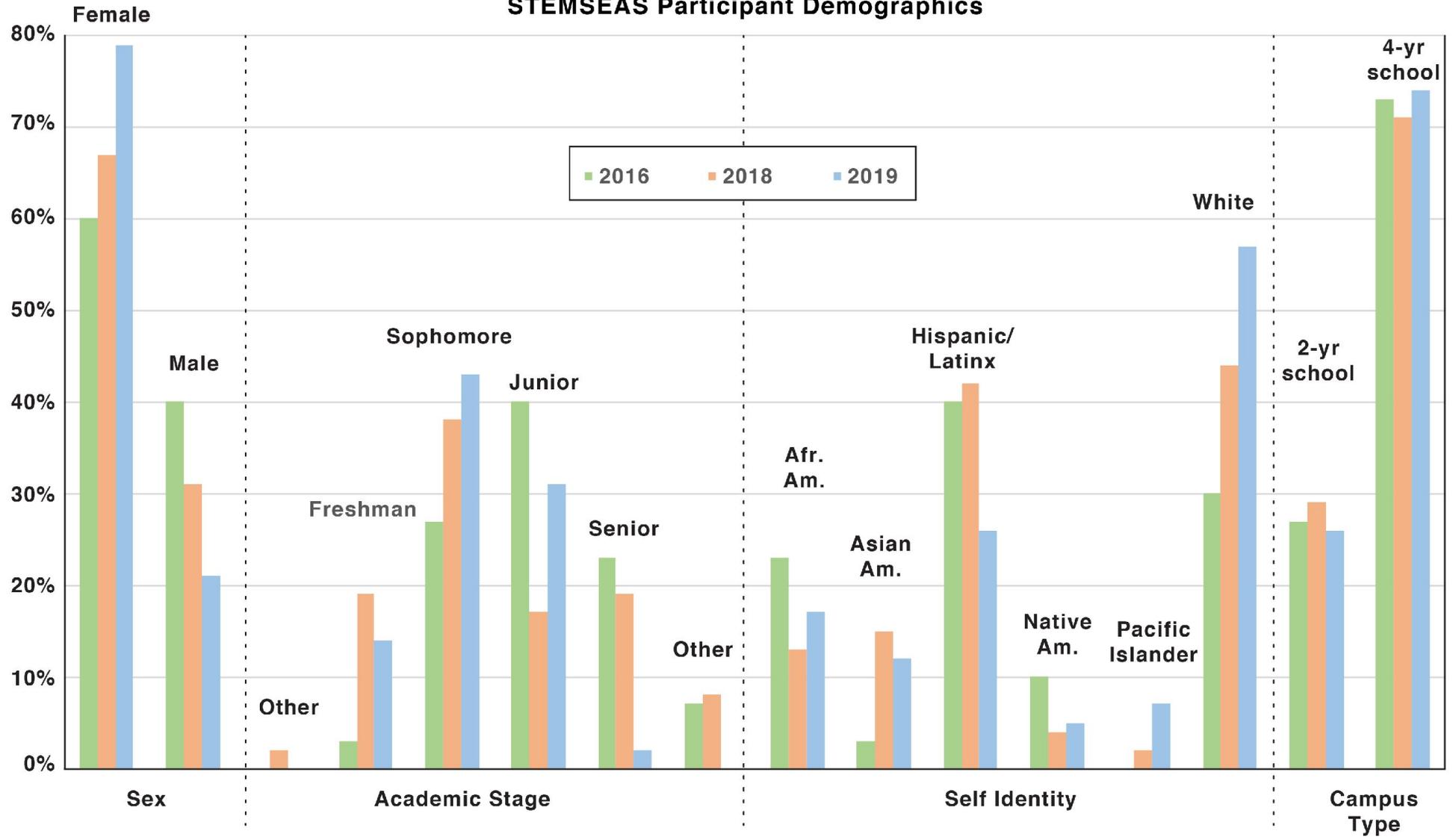
**10 July – 15 July:** *R/V Sikuliaq* from Seattle, WA to Seward, AK

**11 July – 17 July:** *R/V Hugh Sharp* from Gulfport to Lewes, DE

**9 August – 13 August:** *R/V Neil Armstrong* from Galway, Ireland to Reykjavik, Iceland

**25 Aug – 30 August:** *R/V Marcus Langseth* from Ketchikan, AK to Dutch Harbor, AK

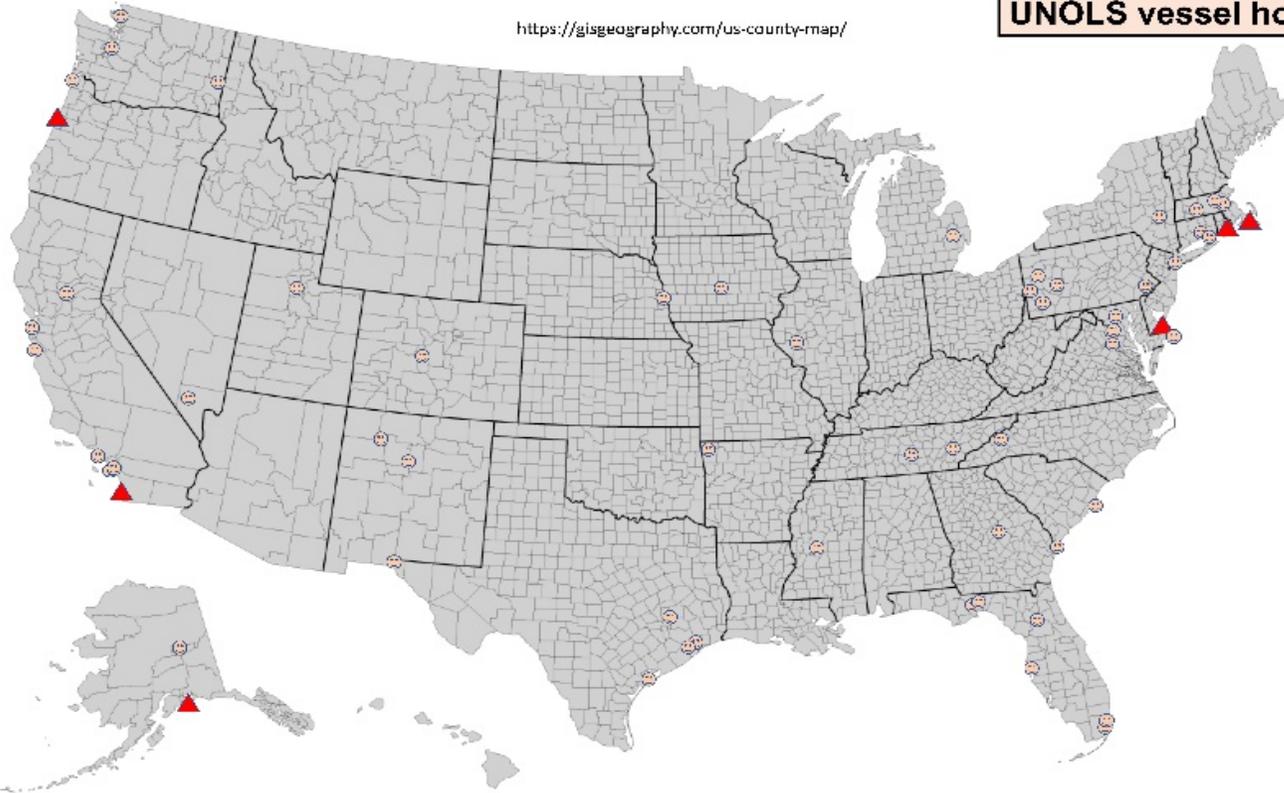
### STEMSEAS Participant Demographics



# Nationwide impact

<https://gisgeography.com/us-county-map/>

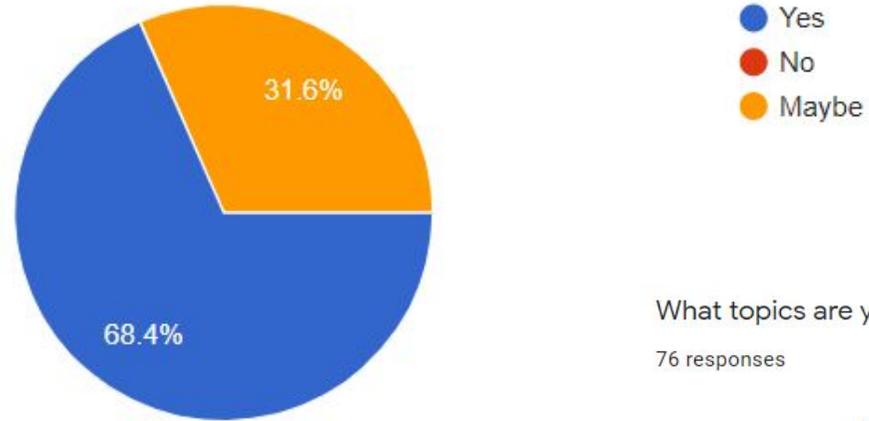
**UNOLS vessel home ▲**



- UC Santa Cruz
- Western Washington University
- TAMU Corpus Christi
- Oregon State
- University of Florida (3)
- Community College of Beaver County
- University of Washington
- USC
- University of New Mexico
- University of Nebraska at Omaha
- San Diego Mesa College (2)
- Bard College
- University of Pittsburgh
- Yale
- Mt San Antonio College – Walnut, CA
- CSU Stanislaus
- Ursinus College
- Bard College
- College of Charleston
- UMass Amherst
- Georgia State University's Perimeter College
- IUP
- Miami Dade College
- University of Utah
- Washington State University
- Portland State University
- University of MD College Park
- College of Southern Nevada
- Fitchburg State University
- Florida A&M
- Broward College, South Florida
- Portland Community College
- Columbia University
- CSU
- City College of San Francisco
- Tennessee
- University of Puerto Rico, Mayaguez
- Iowa State University
- UC Irvine

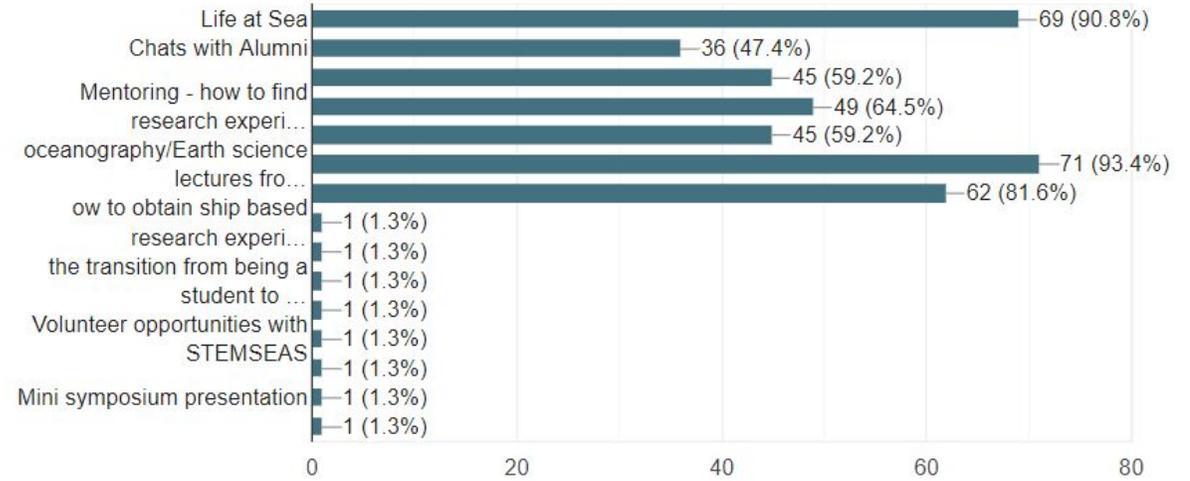
## Are you interested in participating in STEMSEAS on-line events over the next 4-6 months?

76 responses



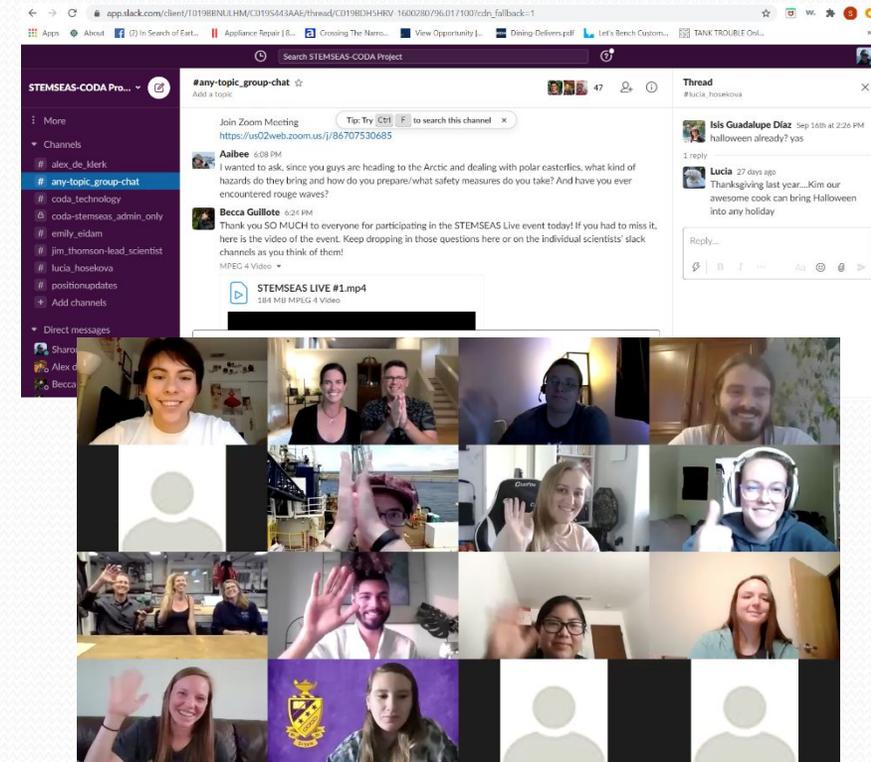
## What topics are you interested in? (select as many as you want)

76 responses



Virtual Events thus far. . .and much gratitude to all involved!

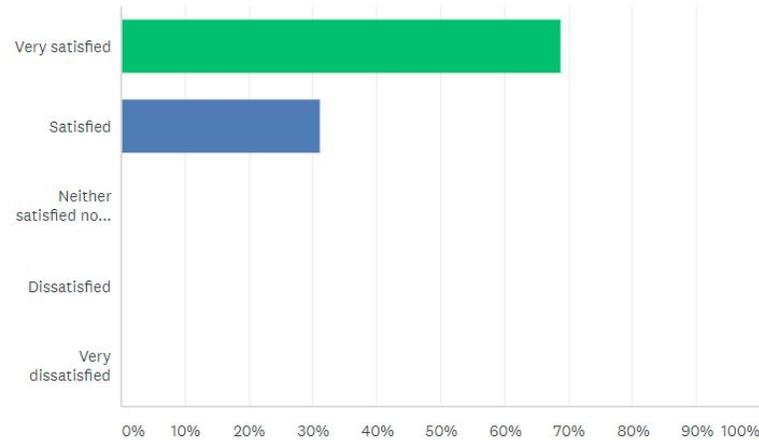
- Multiple Zoom lectures from Dr. Joe Montoya to April transit group
- Zoom with Dr. Deborah Kelly regarding OOI work
- Zoom to the R/V Thompson with Dr. Brendan Philip
- Zoom with marine tech Kylie Pasternak
- Zoom with Scott Nooner, Axial Seamount 2020 cruise
- Zoom with Bill Chadwick from R/V Thompson
- In depth participation in CODA cruise, with On-Point Outreach on R/V Sikuliaq: ~30 students, 3 Zoom connections, Slack channel
- Upcoming in next few weeks: Careers You Never Heard Of panel, graduate student mentoring panel



Q1

Overall, how satisfied were you with your experience during the STEMSEAS/CODA program?

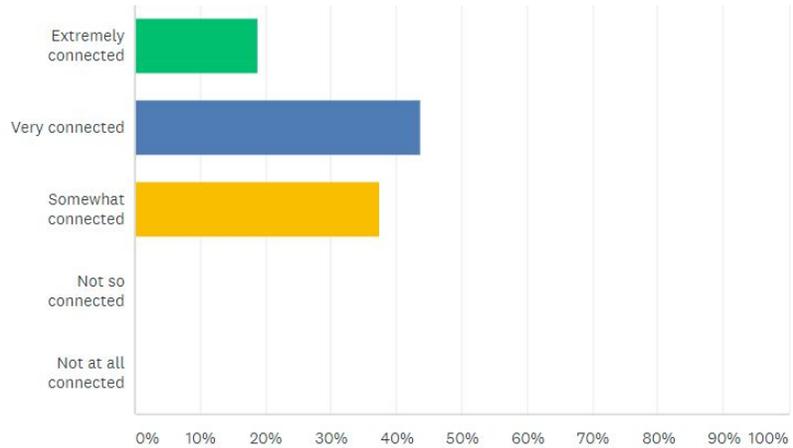
Answered: 16 Skipped: 0



Q4

How connected did you feel with the science team?

Answered: 16 Skipped: 0



## What did you like about the program?

- *How personable and honest the scientists were with us.*
- *I liked having the freedom to talk with the scientists whenever I could and the flexibility to participate while also working from home.*
- *We were able to speak to the people on the ship and learn about what we will be doing eventually when things are able to go back in person*
- *Although we did not get to go on the ship, it still felt like a unique experience because we got to talk directly to the scientists that offered such great advise, lessons on how to get there and their life experiences. I really enjoyed to hear about the experiences of more experienced folks like Jim and younger folks like Lucia, Emily and the other person on the panel.*
- *I loved being connected over Slack to get real time updates and photos from the Sikuliaq crew!*

## What did you dislike about the program?

- *Nothing really, how could I dislike anything about the program? It was awesome.*
- *That we were not physically on board the ship, unfortunately.*

EDUCATION

Feature



## Mentorship During a Pandemic: Transitions from Lab and Sea to Virtual

With mentorship having gone virtual this past summer, three geosciences programs offer case studies about how to form meaningful connections during a time of social distancing.



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- Open House
  - Plate Tectonics Symposium
- eNewsletter Signup
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## STEMSEAS: Not Just an Internship, An Adventure

August 18, 2020

By Marie DeNoia Aronsohn



STEMSEAS alumni Greg Austin, Natalie Vaz, and Elizabeth Newman. Photo: Elizabeth Newman

This spring, the latest cohort of the Science Technology Engineering and Math Student Experiences Aboard Ships program (STEMSEAS) was preparing to set sail. The plan was to board the R/V Endeavor in Fort Lauderdale, Florida, and travel up to Narragansett in Rhode Island, teaching the students about field research along the way. Ten students and three instructors/mentors were ready to go. But in April, the COVID-19 pandemic put the expedition and all STEMSEAS missions on hold—a huge disappointment but not a complete deal-breaker.

# We are trying really hard to make lemonade right now!

**For inspiration:**

- [https://youtu.be/\\_P6VULZWIF4](https://youtu.be/_P6VULZWIF4)

- **All ideas for virtual and other collaborations welcome as we await a return to sea for our students!**



## Questions?

We acknowledge support from  
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