

# Future Ocean Drilling in the U.S. (FOCUS)

Co-Chairs, Future Ocean Drilling in the U.S. (FOCUS)

Stefanie Brachfeld, Montclair State University ([brachfelds@montclair.edu](mailto:brachfelds@montclair.edu))

Justin Dodd, Northern Illinois University ([jdodd@niu.edu](mailto:jdodd@niu.edu))



# USSSP and IODP Code of Conduct Summary

- | Treat everyone with dignity and respect, valuing a diversity of views and opinions
- | Be considerate, respectful, and collaborative; critiquing ideas rather than individuals.
- | Be conscious of body language and nonverbal responses
- | Prohibited behaviors:
  - | Harassment or threats of any type
  - | Any behavior that has the effect of creating a hostile environment towards a person or a group
- | Meeting organizers may institute disciplinary actions, including permanent removal from the meeting.
- | Report prohibited behaviors to USAC Chair Justin Dodd ([jdodd@niu.edu](mailto:jdodd@niu.edu)) or USSSP Director Carl Brenner ([cbrenner@ldeo.columbia.edu](mailto:cbrenner@ldeo.columbia.edu))



U.S. SCIENCE  
SUPPORT  
PROGRAM

This policy applies to all IODP participants and work in parallel with other behavioral policies or codes of conduct that may be applied by employers, funding bodies, facilities, and events.

## IODP Code of Conduct and IODP Anti-Harassment Policy



As approved by the Program Member Offices in October 2020.

Full code of conduct at <https://www.iodp.org/docs/policies-and-guidelines-1/policies-and-guidelines/>

# Future Ocean Drilling in the U.S. (FOCUS)

FOCUS will assemble broad US scientific ocean drilling community input to:

- | identify our **most compelling science questions** that can be addressed by **existing subseafloor sampling platforms and tools**, as well as those that require deep drilling
- | begin **immediate planning for a post-2024 program** to achieve these science priorities
- | continuing to advocate for the construction of a **new riserless drilling vessel**

## Steering Committee

- | Stefanie Brachfeld and Justin Dodd (Co-Chairs),
- | Chandranath Basak, Isla Castañeda, Beth Christensen, Jeremy Deans, Peter Flemings , Jessica Labonté, Chris Lowery, Cecilia McHugh, Steve Phillips, Pratigya Polissar, Amelia Shevenell, Evan Solomon, Jason Sylvan, Sonia Tikoo, and Maureen Walczak
- | U.S. Science Support Program for IODP (Carl Brenner, Angela Slagle, Carol Cotterill)

FOCUS series of virtual workshops in late '23 - early '24, culminating in an in-person workshop in May 2024

Goal: **Deliver a report to NSF on US priorities for scientific ocean drilling** (Summer 2024)





# FOCUS Timeline

	FALL 2023	DECEMBER 2023	JANUARY 2024	FEBRUARY 2024	MARCH 2024	APRIL 2024	MAY 2024	SUMMER 2024	FALL 2024
FOCUS	FOCUS Steering Committee Convenes	FOCUS Intro Virtual Workshop <i>December 4</i>		FOCUS Virtual Workshops <i>Early 2024</i>			FOCUS In-Person Workshop <i>Tentative (May 21 - 23)</i>	Final FOCUS Report to NSF	
IODP & COMMUNITY		AGU Fall Meeting	Science Evaluation Panel (SEP 2401)		FUTURE Workshop <i>March 26-28</i>		JR Facility Board (JRFB 2405) USCSD Planning Workshop <i>May 29 - 31</i>	SEP 2406 (final)	IODP Forum / PMO (final)
NSF	NSF SODCO DCL deadline <i>November 1</i>		2025-2035 Decadal Survey of Ocean Sciences * Interim Report on scientific ocean drilling <i>Early 2024</i>			*Public Release Interim Report Briefing Mar 13, 2024, 10:00 AM EST			
IODP EXPEDITIONS	Exp 400 (JR) JR Transit / Dry Dock	Exp 401 (JR) <i>10 Dec - 9 Feb</i>		Exp 402 (JR) <i>9 Feb - 8 Apr</i>		JR Transit / Tie-up <i>8 Apr - 4 Jun</i>		Exp 403 (JR) <i>4 Jun - 2 Aug</i>	JR Tie-up / Demobilization End of JRSO ops
	Exp 389, Offshore (MSP)		Exp 389, Onshore (MSP)				Exp 406, Offshore (MSP) <del>May-Aug</del>	Exp 405 (Chikyu) <i>Sep - Dec</i>	

Final IODP Expedition 405: Tracking Tsunamigenic Slips Across the Japan Trench (JTRACK)

# FOCUS Goals

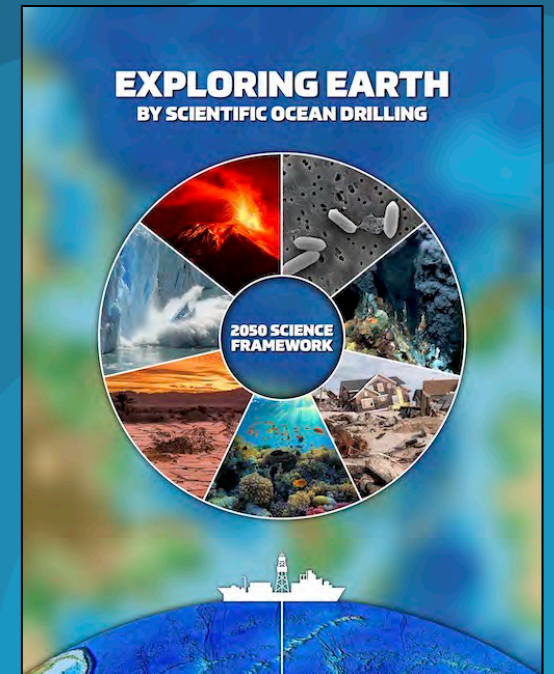
- | Community effort organized by U.S. Advisory Committee for Scientific Ocean Drilling (USAC) and U.S. Science Support Program (USSSP)
- | workshop series to discuss scientific priorities, sampling tools, and possible structures of new US program in scientific ocean drilling/subseafloor sampling
- | **Deliverable:** report on community drive US Science Priorities for scientific ocean drilling
- | Scientific questions/themes over multiple timeframes
  - | Near future, next 5 years, 10 – 20 years
  - | FOCUS builds on previous efforts such as NEXT, PROCEED, [2050 Science Framework](#), Science Mission Requirements





# FOCUS Goals

- | **Deliverable:** report on community drive US Science Priorities for scientific ocean drilling
- | Focus on **KEY** US scientific ocean drilling questions
  - | 2050 Science Framework
  - | Decadal Survey of Ocean Sciences for the National Science Foundation
- | Incorporate US community priorities
  - | NSF Request for Expression of Interest – Scientific Ocean Drilling Coordinating Office (SODCO)
  - | Build international partnerships and connections with other organizations
    - | e.g., onshore to offshore transects and connections with the International Continental Scientific Drilling Program



SCIENTIFIC  
OCEAN  
DRILLING

U.S. SCIENCE SUPPORT PROGRAM

**FOCUS Virtual Workshop**  
**Identifying key science questions within**  
**U.S. scientific ocean drilling priorities**

**February 14, 2024**

Presented by: Justin Dodd FOCUS Co-Chair

U.S. SCIENCE SUPPORT PROGRAM

**FOCUS Virtual Workshop**

Identifying key science questions within U.S. scientific ocean drilling priorities

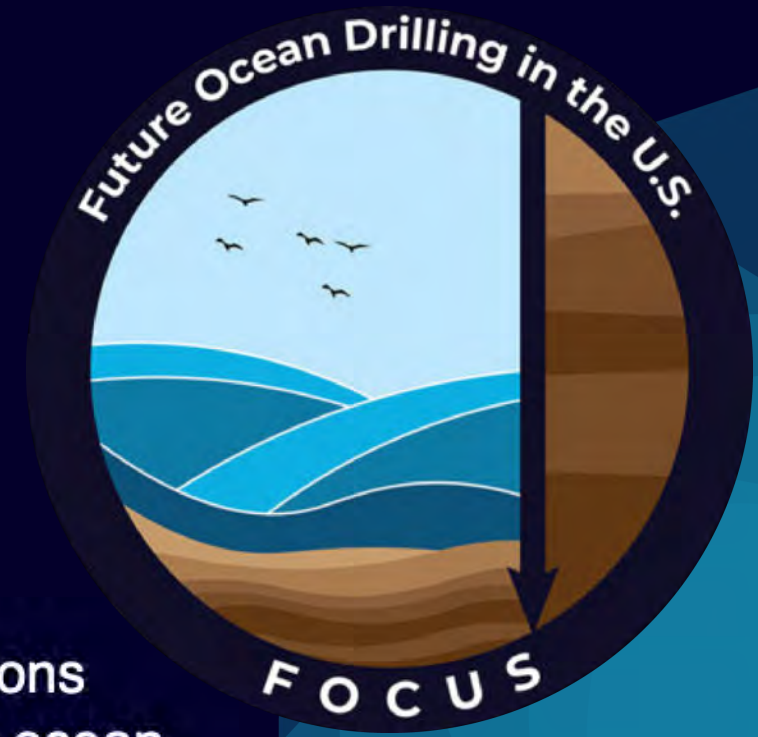
Breakout Groups

- Climate, Feedbacks, Tipping Points (58)
- Habitability & Global Cycles (22)
- Hazards & Life Cycle of Plates (23)

103 Participants  
9 Breakout Groups



# Future Ocean Drilling in the U.S. (FOCUS)



- What do you think are high priority, compelling science questions that should be addressed by current and future U.S. scientific ocean drilling efforts?
- Please explain why you consider these questions to be high scientific priorities, and how these questions fit more broadly with U.S. scientific and societal priorities.

Responses will be shared anonymously with other workshop participants.

Breakout Groups will have ~1 hr to discuss