

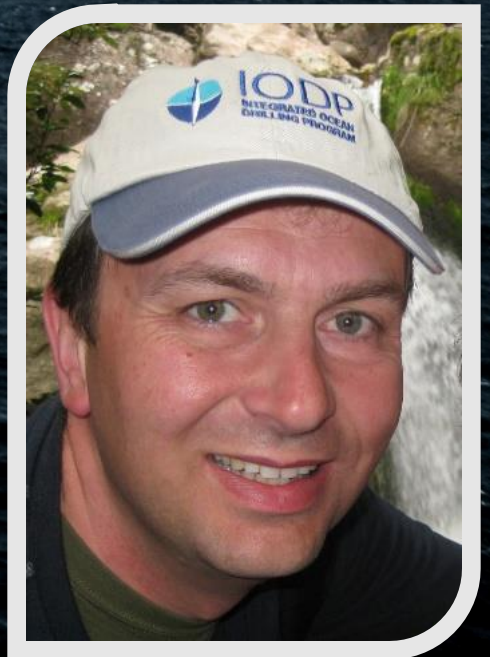
# EXPLORING EARTH BY SCIENTIFIC OCEAN DRILLING

## Panel Discussion

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# Expedition 399 Drills Deep Into Earth's Mantle

- JOIDES Resolution (JR) drilled 1.5 km into the Earth's upper mantle
- Extraordinary success after building up skill and introducing new technologies across multiple JR expeditions—spanning several decades
- At the present time, the JR is highly capable to deliver more of those fantastic science discoveries through 2028 impacting our most fundamental research and addressing major societal challenges

## FUNCTIONAL REALITY #1

**JOIDES Resolution at top of their game!**

## FUNCTIONAL REALITY #2

**Only now are we harvesting what we have sown**



# Scientific Ocean Drilling *Immediate Steps*

How to ensure that the U.S. can maintain its leadership position ...

1

## New U.S. Riserless Vessel

- Put into place a university-based program office in FY24 to guide and carry out conceptual design of a new and improved global-ranging riserless drilling vessel and what follows afterwards in this lengthy process

2

## Keeping Community Thriving

- Continue USSSP+USAC and expand their scope of work and overall efforts:
  - Triple the number of Schlanger Fellowships
  - Increase support for community workshops with one 100-150 person meeting every year
  - Keep organizing USAC meetings 2x/year while expanding USAC membership with ECRs
  - Re-establish international partnerships
  - Increase engagement efforts around Scientific Ocean Drilling and the 2050 Science Framework

# Scientific Ocean Drilling *Immediate Steps*

How to ensure that the U.S. can maintain its leadership position ...

3

## New US-MSP Office

- Put into place a US-MSP-style office in FY24 to help scientists with logistics, procurement of larger commercial vessels and ice breakers, and programmatic international collaborations and operations, etc.

4

## New ODP Grants Program

- Resurrect the now retired ODP solicitation and program at NSF OCE in FY24
  - Makes sure Scientific Ocean Drilling will not unduly compete with other OCE core research
  - This program would consider proposals for site survey expeditions, using commercial platforms, working with international programs such as IODP<sup>3</sup> and the new China drill ship, working with existing cores, etc.
  - It will signal the priority of NSF in creating opportunities for ECRs to keep their continued interest in and success through Scientific Ocean Drilling real and actionable

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**THANK YOU!**  
**OVER TO NEXT PANELIST ...**

