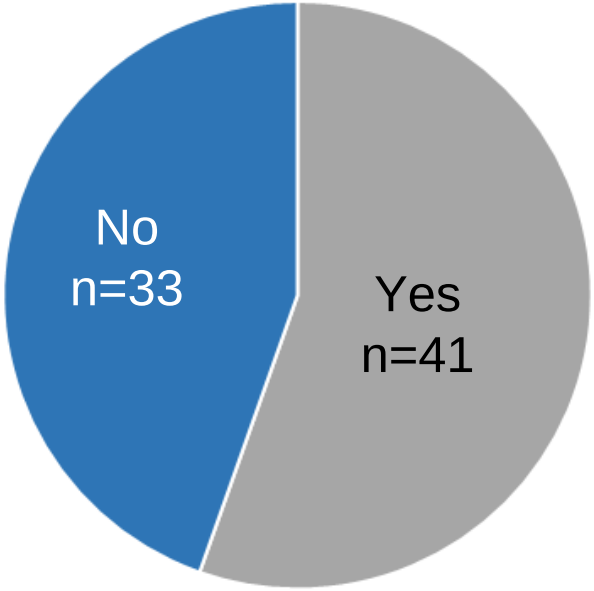
Results from the Pre-Workshop Survey

Adriane R. Lam

Do you currently or have you previously used any scientific ocean drilling-related educational resources?

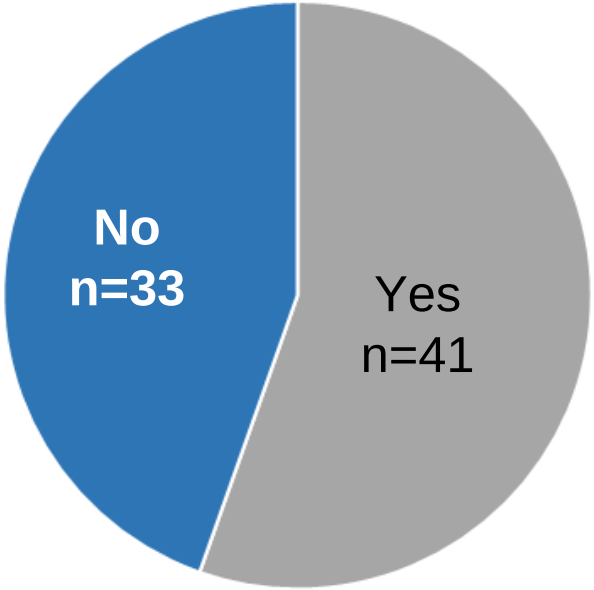
Just over half (55%) of respondents have used Scientific Ocean Drilling educational resources



Do you currently or have you previously used any scientific ocean drilling-related educational resources?

Just over half (55%) of respondents have used Scientific Ocean Drilling educational resources

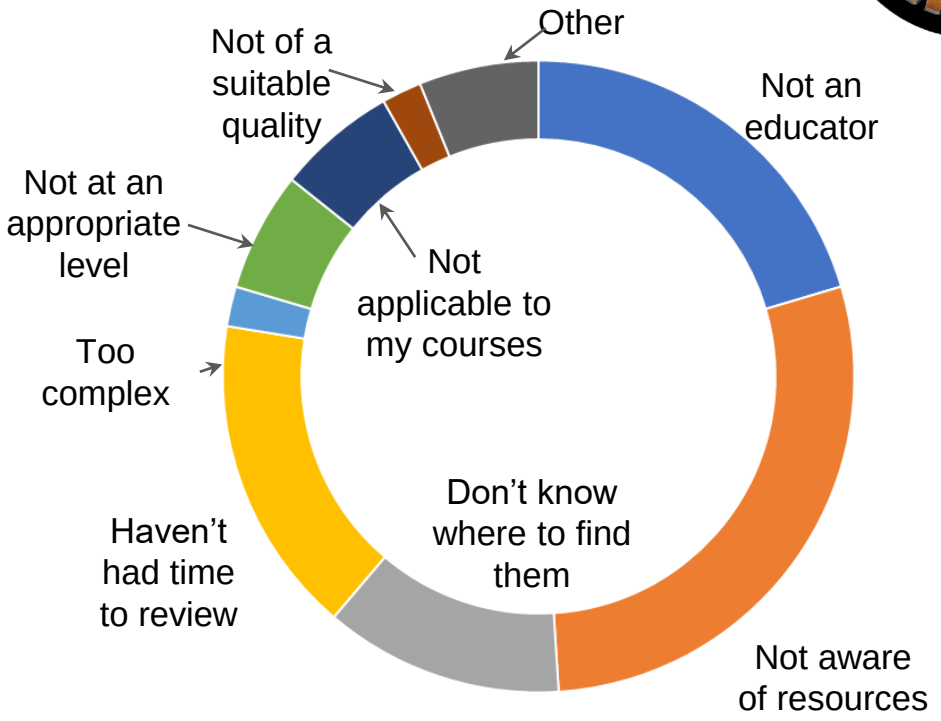
Why haven't you used such resources?



Indicate the reasons why you have not used any scientific ocean drilling-related educational resources.

Total responses: 49

Most respondents (n=14) are not aware of such resources, others (n=10) are not educators

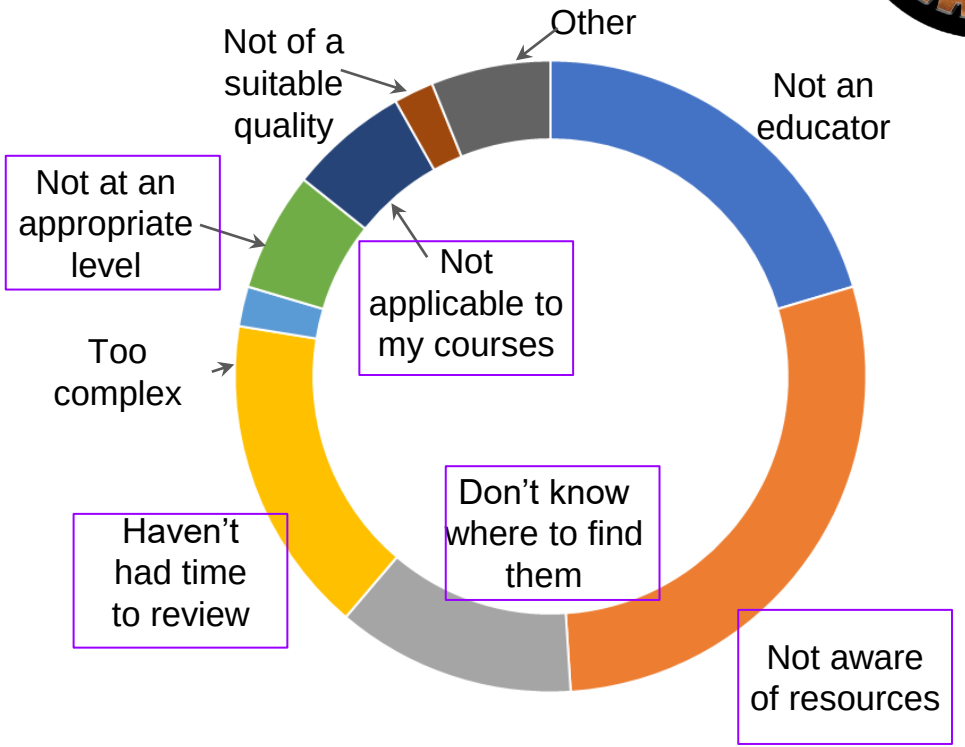


Indicate the reasons why you have not used any scientific ocean drilling-related educational resources.

Total responses: 49

Most respondents (n=14) are not aware of such resources, others (n=10) are not educators

Largest challenges include unaware of resources available, time availability to review resources, not knowing where to find resources, and resources not at an appropriate level or not applicable

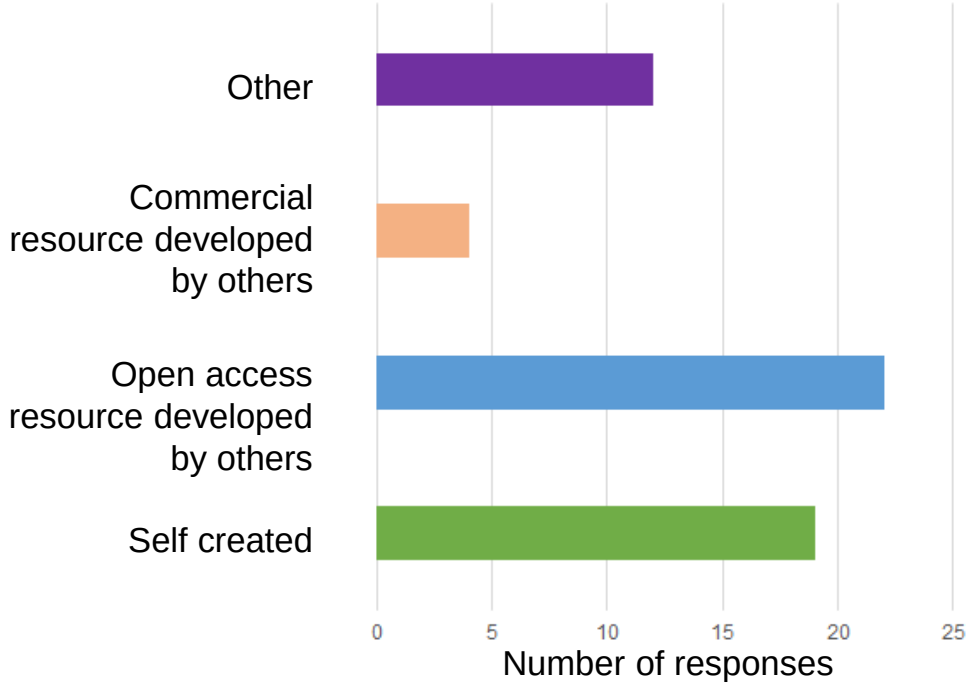


If you have/do use scientific ocean drilling-related educational resources, what is the origin of the resource?

Total responses: 57

The majority of respondents (38%) utilize open-access resources

Another large majority of respondents (33%) are using self-created resources



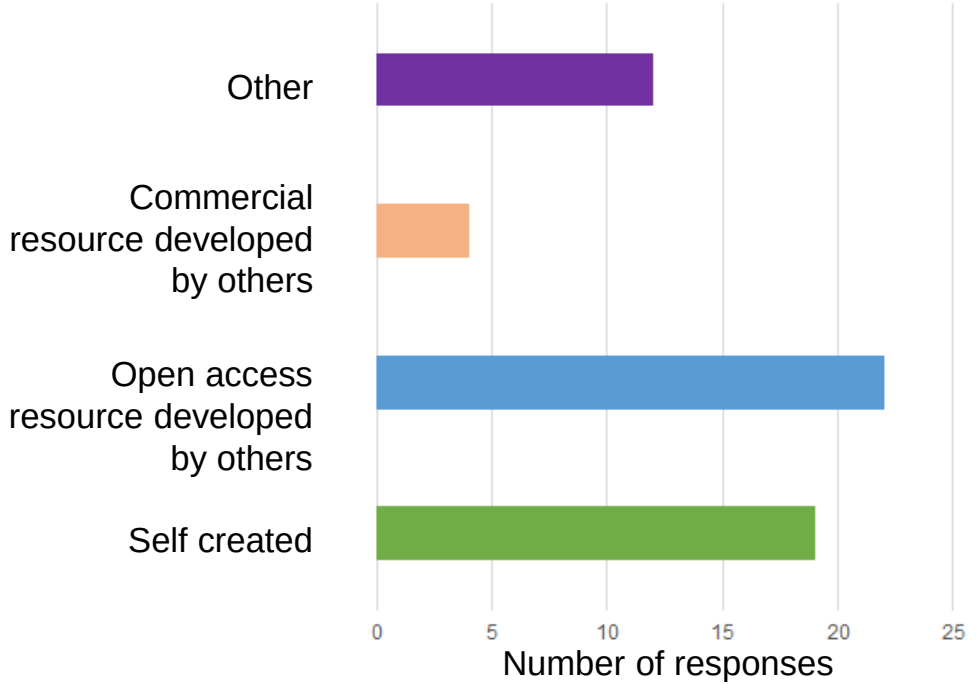
If you have/do use scientific ocean drilling-related educational resources, what is the origin of the resource?

Total responses: 57

The majority of respondents (38%) utilize open-access resources

Another large majority of respondents (33%) are using self-created resources

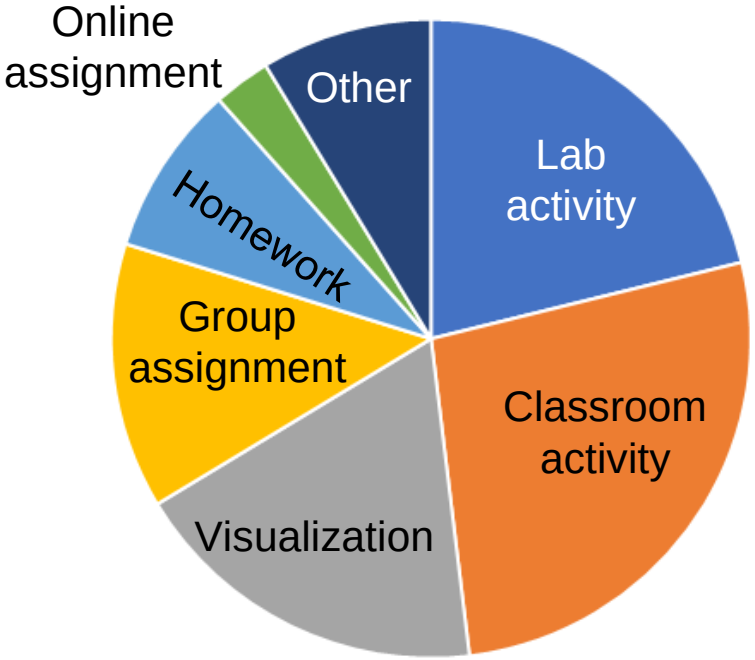
Takeaway: Open access and self-created resources rule!



If you have/do use scientific ocean drilling-related educational resources, how do you use this resource?

Other uses for resources include:

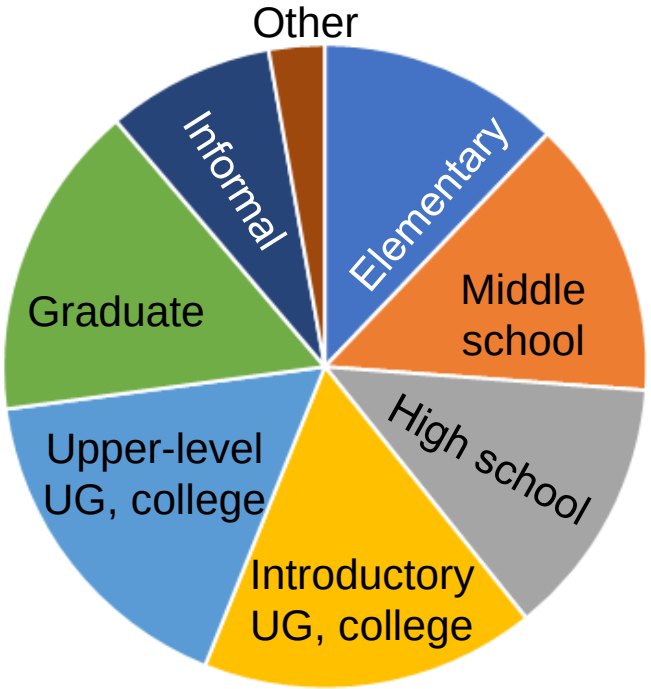
- Talks
- Hands-on demonstrations
- Outreach events with general public
- Outreach events with K–12 students
- Posted in classrooms



If you have/do use scientific ocean drilling-related educational resources, for what audience(s) do you use this resource?

Other responses include:

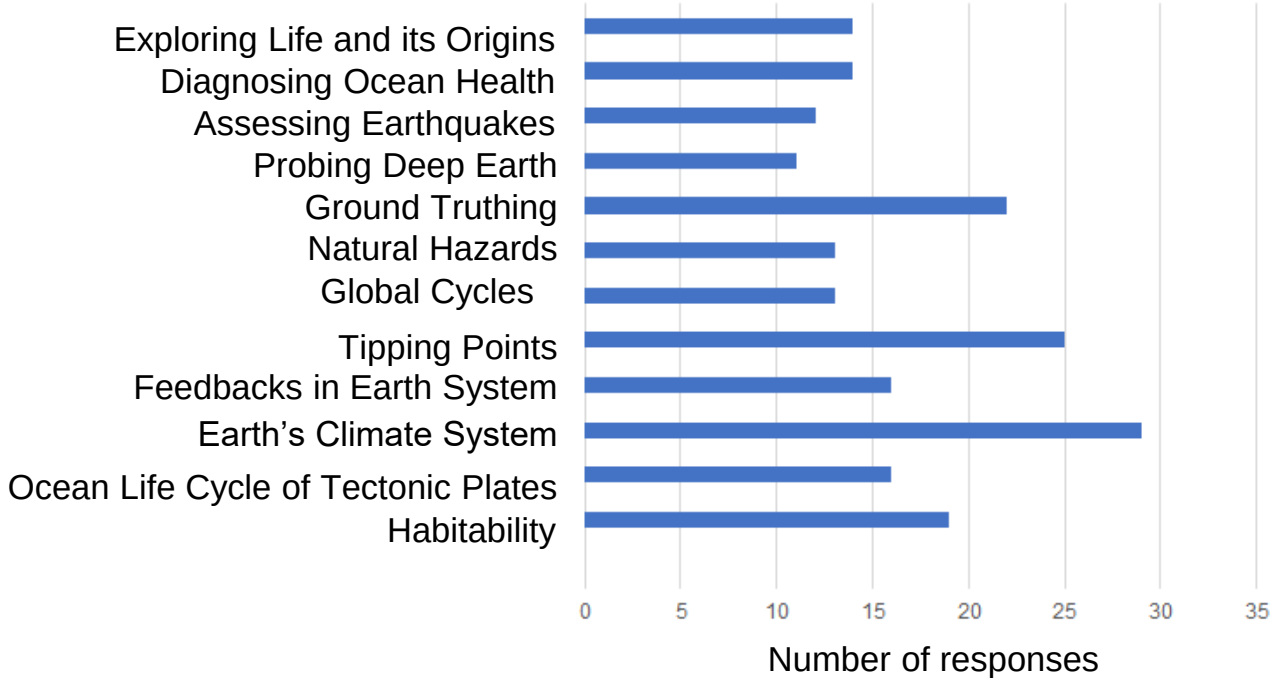
- School teachers
- Teacher training
- Every person willing to explore and expand the ocean science horizon



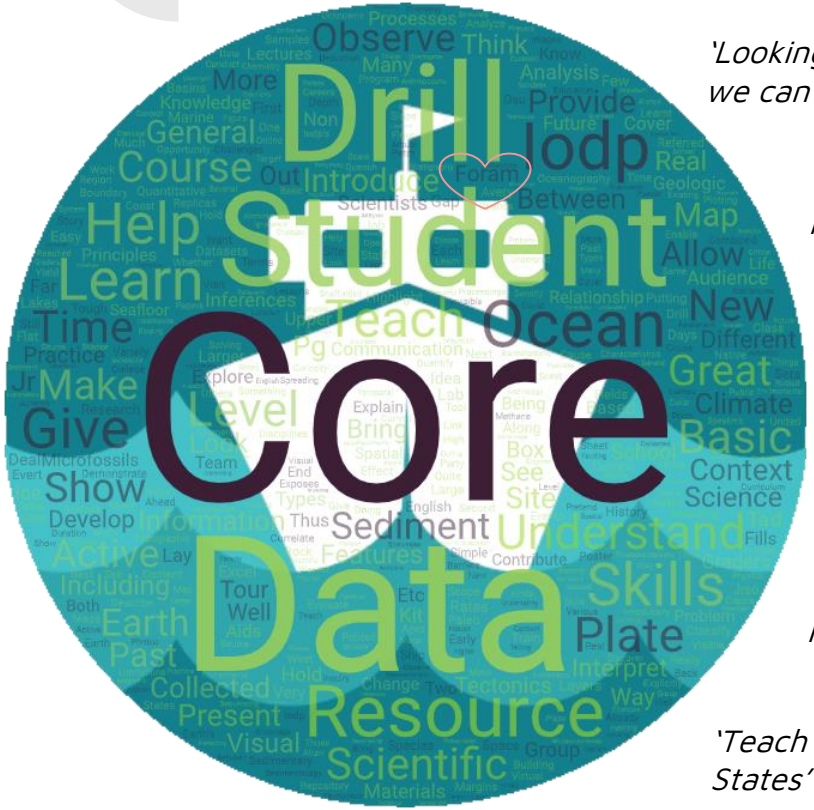
What priorities in the 2050 Science Framework align to your educational resource?

Most resources align with Earth's Climate System

In general, resources spread across Framework priorities



Why do you use this resource?



'To showcase careers in marine geology and highlight experience in IODP expeditions'

'Looking at cores is still the best resource to teach all we can learn from marine sediments'

'Manipulating materials is always more memorable than being lectured at.'

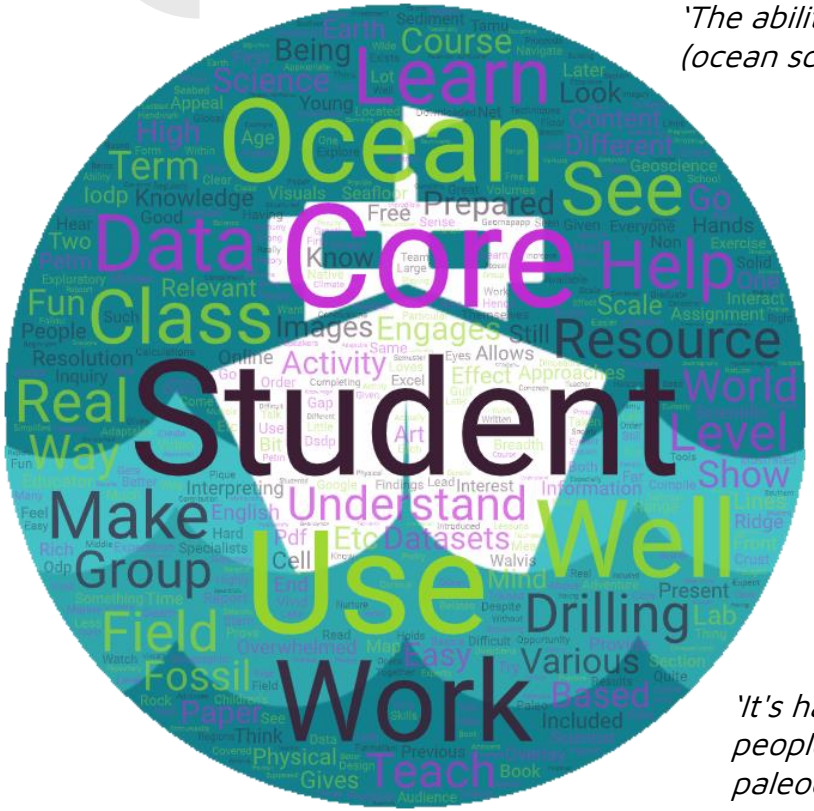
'Developing observational and analytical skills using microfossils'

'It does a great job of explaining the concept of scientific ocean drilling to individuals of all ages without being oversimplified'

'It helps with data analysis and making inferences between the PETM and current climate.'

'Teach about earthquake early warning along the West Coast of the United States'

What makes this resource work well in your teaching?



'The ability to expand multiple horizons within science (ocean science) without actually being a scientist or expert'

'Different approaches to the activity, adaptable resources for a range of learning environments'

'Student-centered resources increase student engagement'

'Because it is real'

'This exercise really helped with team building in the course. It's pretty free-form and exploratory, so allows them to practice playing with datasets in a less structured way.'

'It's hands-on. We make a physical thing. And it relates something that people don't know or hear much about (scientific ocean drilling, paleoceanography) to something everyone loves (dinosaurs!).'