Planktic Foraminifera Species 3D Printing

Forams as Storytellers

Researchers identify foraminifera species by eye under the microscope, looking for distinct features like number of chambers and chamber orientation. 3D printing forams offers a useful tool to help train people in species identification and can be a fun, hands-on supplement to this unit.

To 3D print forams, visit the OSU lab website www.foraminarium.com and go to the 3D Forams section. Below are links to the pages for each species found in Oregon during the ORSEA lesson dataset (2010-2019). On each page, you'll find .STL files ready to be printed as 3D models. In other sections of the website, you can also find information about foraminifera, 3D printing, teaching resources, and the lab's research.

Polar <10℃

1. Just one polar species, *N. pachyderma - still waiting to make the 3D file for this species. Check the website. Should get updated soon!*

Subpolar 8-14℃

1. *N. incompta*
2. *T. quinqueloba*

Transitional 12-20℃

1. *G. glutinata*
2. *G. scitula*
3. *G. bulloides*

Subtropical 18-24℃

1. *G. falconensis*
2. *O. universa*
3. *N. dutertrei*
4. *G. ruber*
5. *G. glutinata*

Tropical >24℃

1. *T. sacculifer*

Source: www.foraminifera.com