

Making Waves with NOW

- This month's new releases: Jennifer Glass, [Molecular basis for inhibition of methane clathrate growth by a deep subsurface bacterial protein.](#)
- Call for future *NOW Waves*, please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Other Meetings, Workshops and Activities

- October 24-26 [Origins and Habitability of the Galilean Moons](#)
- October 25-27 [Life in the Subsurface Conference](#)
- November 28-29 [Outer Planets Assessment Group](#)
- December 11-15 AGU
- February 5,7,9 & 12,14, 16 [Communicating Discoveries in the Search for Life in the Universe](#)
 - (applications due **11/15/23**)
- February 18-23, 2024 [Ocean Science Meeting](#)
- April 14-19 [EGU General Assembly](#)
- May 5-10 [AbSciCon 2024](#)

Recent Publications Relevant to Ocean Worlds

- [Dustin J E Huard, et al. 2023](#). Molecular basis for inhibition of methane clathrate growth by a deep subsurface bacterial protein, *PNAS Nexus*, Volume 2, Issue 8, August 2023, pgs 268
- [Bravenec, A.D. and Catling D.C., 2023](#). Effect of Concentration, Cooling, and Warming Rates on Glass Transition Temperatures for NaClO₄, Ca(ClO₄)₂, and Mg(ClO₄)₂ Brines with Relevance to Mars and Other Cold Bodies. *CS Earth Space Chem.* 2023, 7, 7, 1433–1445
- [Lynnae C. Quick et al. 2023](#). Prospects for Cryovolcanic Activity on Cold Ocean Planets. *The Astrophysical Journal* 956, 29.
- [Liliane M.L. et al. 2023](#). Burkhard, Emily S. Costello, Bridget R. Smith-Konter, Marissa E. Cameron, Geoffrey C. Collins, Robert T. Pappalardo (2023), Uncovering Ganymede's past: Tectonics at Nippur/Philus Sulci, Icarus.
- [Mariam Naseem et al 2023](#). Salt Distribution from Freezing Intrusions in Ice Shells on Ocean Worlds: Application to Europa. *Planet. Sci. J.* 4 181.
- [Robinson, K. J., et al. 2023](#). Ethene-ethanol ratios as potential indicators of hydrothermal activity at Enceladus, Europa, and other icy ocean worlds. *Icarus*, 406, 115765.

New Job Postings

- [Tenure Track Positions: Solar System Planetary Science](#), CalTech (until filled)
- [NSF: Earth Sciences Postdoctoral Fellowships \(EAR-PF\)](#) (10/25/23)
- [Postdoctoral Fellowships in Earth, Environmental, and Climate Sciences](#), LDEO (11/3/23)
- [Assistant Professor - Cryosphere and Polar Science](#), Syracuse University (11/15/2023)
- [Research Assistant Professor](#), University of Texas at Austin, Institute for Geophysics (01/25/24)
- [Distinguished Postdoctoral Fellow](#), University of Texas at Austin, Institute for Geophysics (01/01/24)
- *Previously advertised posts archived* [HERE](#)

Proposal Calls

- [NASA Planetary Science and Technology Through Analog Research](#) (10/24/23)
- [The Lewis and Clark Fund for Exploration and Field Research in Astrobiology](#) (11/1/23)
- [Ocean Drilling Legacy Assets Projects \(LEAPs\)](#) (11/1/23)
- [The Lewis and Clark Fund for Exploration and Field Research in Astrobiology](#) (11/1/23)
- [Our Shared Ocean: Mobility & Travel Grants](#) in Partnership with Small Island Developing States (11/3/23)
- [NASA SMD: Habitable Worlds](#) (11/8/23)
- [NASA SMD: Topical Workshops, Symposia, and Conferences](#) (TWSC-24) in Space and Earth Sciences and Technology

News, Education, and Outreach

- [Antarctic Meltdown](#), J. Mervis, Science September 2023
- [Cryovolcanism's Song of Ice and Fire](#), E. Klemetti, EOS September 2023
- [A Year from launch, the Europa Clipper spacecraft nears finish line](#), S. Clark, arsTechnica October 2023
- Subscribe to the [NASA Astrobiology SciComm Guild](#)
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