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### Making Waves with NOW

- This month's new releases: Chris German, [Serpentinization at an ice-covered submarine vent: on Earth not Enceladus?](#)
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: [kpietro@whoi.edu](mailto:kpietro@whoi.edu)

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### Upcoming NOW Events

- [Quarterly Lecture Series S3 E3](#): Exploring Ocean Worlds Through Analogs: Numerical Simulations
  - March 6<sup>th</sup> 3pm ET/ 12pm PT via Webex (*details to come*)
  - [Dimitris Menemenlis](#), JPL
  - [Krista Soderlund](#), UT Austin

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### Other Meetings, Workshops and Activities

- January 24-26 [SBAG](#)
- January 27 [Professional Advancement Workshop Series \(PAWS\): Science Policy](#)
- February 7 [Crustal Ocean Biosphere Research Accelerator \(COBRA\) Webinar Series](#)
- March 12-18 Red'23 [Astrobiology Introductory Course](#) (Register by [Jan 31<sup>st</sup>, 2023](#))
- March 13-17 [LPSC](#)
- May 15-19 [Chapman Conference on Hydrothermal Circulation and Seawater](#) Circulation (abstract deadline [1/25/2023](#))
- April 23-28 [EGU General Assembly](#)
- May 2-3 [OPAG](#)
- May 8-12 [Biennial European Astrobiology Conference](#)
- May 15-18 [Brines Across the Solar System: Ancient and Future Brines](#) (abstract deadline 3/1/2023)
- July 10-14 [International Summer School in Astrobiology](#) (application deadline 3/1/2023)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#) (abstract deadline [2/14/2023](#))

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### Recent Publications Relevant to Ocean Worlds

- [B. Fernando et al., 2022](#). Inclusion of early-career researchers in space missions. *Nat Astron* **6**, 1339–1341. <https://doi.org/10.1038/s41550-022-01861-2>
- [E. Ramirez-Llodra et al., 2022](#). Hot vents beneath an icy ocean: The Aurora Vent Field, Gakkel Ridge, revealed. *Oceanography*, <https://doi.org/10.5670/oceanog.2023.103>.
- [V. Singh et al. 2023](#). Surviving in Ocean Worlds: Experimental Characterization of Fiber Optic Tethers across Europa-like Ice Faults and Unraveling the Sliding Behavior of Ice, *Planet. Sci. J.* **4** 1, <https://iopscience.iop.org/article/10.3847/PSJ/aca3ab>

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### New Job Postings

- [NASA Senior Scientist for Astrobiology](#) (1/31/2023)
- [Postdoctoral position on Uranus and Neptune atmospheric modeling](#), Sorbonne University (1/31/2023)
- [NASA Postdoctoral Program](#) (3/1/2023) [List of current fellowships](#)
- *Previously advertised posts archived [HERE](#)*

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### Proposal Calls

- [DOSI Travel Grants for Deep-Sea Experts](#) (rolling)
- [National Academy Ocean Shot](#) (rolling)
- [Lewis and Clark Fund for Exploration and Field Research in Astrobiology](#) (2/1/2023)
- [NASA Habitable Worlds](#) (Step 1: 11/8/2022; Step 2: 2/3/2023)
- [Harriet Evelyn Wallace Scholarship for Women Geoscience Graduate Students](#) (2/5/2023)
- [NASA FINESST](#) (2/7/2023)
- [New Frontiers 5 Announcement of Opportunity](#) (3/3/2023)
- [NASA Exobiology](#) (NoDD- 3/29/2023)
- [Astrobiology Early Career Collaboration Award](#) (4/3/2023)

## News, Education, and Outreach

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- [Optical Constants database](#) is now available online: Community contributions welcome!
- [Early Career Cruise Opportunity with U.S. Go-Ship](#): Fremantle, Australia to Cape Town, South Africa, July to September 2023
- [UNOLS-MATE AT-SEA Technical Internship Program](#) (1/22/2023)
- [Polar Careers Outside of Academia: A Panel Discussion for ECRs](#) (1/24/2023)
- Subscribe to the [NASA Astrobiology Mailing List](#)