

Making Waves with NOW

- This month's new releases: Victoria Da Poian, [Exploratory data analysis \(EDA\) machine learning approaches for ocean world analog mass spectrometry](#).
- Call for future [NOW Waves](#), please submit slide (pptx, jpg, pdf) to: kpietro@whoi.edu

Upcoming NOW Events

- NOW Lecture Series S3 E4: [Exploring Ocean Worlds Through Analogs, Combined Approaches to Clathrates](#), Available on YouTube
- August 19-24 [NOW Retreat](#) Wrigley Marine Science Institute, Catalina Island
 - Participant selection complete

Other Meetings, Workshops and Activities

- July 25-27 [Uranus Flagship 2023](#)
- July 25 Science Mission Directorate Quarterly Community Town Hall (1pm ET)
 - [Webex Link](#), event number 2760 096 4056, password yuWjQCB*723
- July 25-27 [CRYO2023 Society for Cryobiology](#)
- July 30-Aug 4 [AOGS 2023](#) including [PS09: Geology, Geophysics, and Habitability in Our Solar System](#)
- August 17-19 [Planetary ReaCH](#), Perez Art Museum, Miami FL (application due **7/15/2023**)
- August 21-25 [Astrobiology Mission Ideation Factory](#)
- September 6-8 Scientific Ocean Drilling- NASA synergies workshop
- October 1-6 [Division for Planetary Sciences & Europlanet Science Congress](#)
- October 24-26 [Origins and Habitability of the Galilean Moons](#)
- October 25-27 [Life in the Subsurface Conference](#)
- December 11-15 AGU (abstracts due 8/1/2023)
 - [Enceladus: From Inner Workings to the Potential for Life](#)
- February 18-23, 2024 [Ocean Science Meeting](#)

Recent Publications Relevant to Ocean Worlds

- [Matteoni, P., et al. 2023](#). Méneç Fossae on Europa: A Strike-Slip Tectonics Origin above a possible Shallow Water Reservoir. *Journal of Geophysical Research: Planets*, 128, e2022JE007623.
- [Nuncio Zuniga A., et al. 2023](#). *Suitability of silicone for soft-robotic exploration of terrestrial and extraterrestrial ocean worlds*. *Space Science and Technology*. 2023. 29, № 3 (142). P. 47—56.
- [Postberg, F., et al. 2023](#). Detection of phosphates originating from Enceladus's ocean. *Nature* **618**, 489–493 (2023). <https://doi.org/10.1038/s41586-023-05987-9>
- [Waldrop, M.P., et al. 2023](#). Permafrost microbial communities and functional genes are structured by latitudinal and soil geochemical gradients. *ISME J* (2023).

New Job Postings

- [Lecturer/ Assistant Lecturer Tenure Track in Planetary Atmospheric Modelling/ Planetary Sciences](#), University of Bern (8/15/2023)
- [Jefferson Science Fellowships](#), National Academy of Sciences, Engineering, and Medicine (10/17/2023)
- *Previously advertised posts archived [HERE](#)*

Proposal Calls

- [NASA Planetary Protection Research](#) (7/20/2023)
- [NASA Topical Workshops, Symposia, and Conferences](#) (TWSC- 7/21/2023)
- [Travel Grants Underrepresented Minority Communities](#) (DPS, NSBP-8/7/2023)
- [Early Career Investigator Program in Earth Science](#) (8/11/2023)
- [NASA Planetary Science and Technology Through Analog Research](#) (10/24/2023)

News, Education, and Outreach

- [The Makeup of Red Dwarf Solar Systems may Seriously Limit the Foundation of Habitable Planets](#), Many Worlds
- [Congratulations SciLog Awardees](#): Signatures of Life in the Universe
- [Call for editors](#) for a book on *Ocean Worlds* for Wiley-Scrivener
- Call for manuscripts, [Frontiers in Astronomy and Space Sciences](#): Organic Compounds in the Universe: Synthesis, Molecular Evolution and Relevance for Prebiotic Processes (abstracts due 8/27/2023)
- [Ph.D. student position](#), Dept. of Biological Sciences, Michigan Technological University
- [Polarstern Arctic 2023 Cruise Blog](#)
- Subscribe to the [NASA Astrobiology SciComm Guild](#)
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