

## Making Waves with NOW

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- Call for [NOW Waves](#), please submit to: [kpietro@whoi.edu](mailto:kpietro@whoi.edu)
  - Alexis Templeton: [Overcoming carbon limitation to fuel life in Enceladus analog environments](#)
  - Mike Malaska: [Labyrinth Terrain on Titan](#)  
<https://oceanworlds.space/wp-content/uploads/sites/22/2020/08/Malaska-e1597853806338.jpg>
  - Chris German: [“Goldilocks” venting, East Pacific Rise](#)

## Recent NOW Events

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- Jan 4<sup>th</sup> Quarterly Lecture Series, Episode 4: “Life on the surface and in the atmospheres,” 1pm ET/10amPT  
Rewatch on YouTube (link available soon)
  - Professor Juan Lora (Yale University) “*Understanding Titan’s hydrologic cycle and the distribution of methane seas.*”
  - Dr. David J. Smith (NASA Ames) “Microbiological Exploration in Earth’s Atmosphere.”

## NOW Upcoming Events

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- Welcome to new Steering Committee members: **Jennifer Hanley** (Lowell Obs.); **James Holden** (UMASS Amherst); **Carly Howett** (SWRI); **Yang Liao** (WHOI); **Juan Lora** (Yale); **Aaron Noel** (JPL); **Stephanie Olson** (Purdue); **Lynnae Quick** (Goddard); **Alessandra Ricca** (SETI); **Annette Rowe** (U Cincinnati); **Everett Shock** (ASU); **Jason Soderblom** (MIT); **Mark Skidmore** (Montana State); **Joseph Spitale** (PSI); **Joseph Westlake** (JHU); **Xinting Yu** (UCF)
- Jan 26<sup>th</sup> FLOW kick off meeting. **Future Leaders in Ocean Worlds** for early career scientists (students and post-docs) within NOW (e.g., part of a team within NOW). Group activities to include within-group networking and mentorship opportunities with other NOW members. Kick off meeting Jan 26<sup>th</sup>. Please sign-up via this Google Form: <https://forms.gle/wgSLQRYXhmWRz5NA8>.
- Feb 1<sup>st</sup> Steering Committee Meeting, 1pm ET/ 10am PT
  - Lightning Talks (Vishaal Singh, Laura Rodriguez, Kris Zacny)
- March 1<sup>st</sup> Steering Committee: Lightning Talk slots still to be confirmed – volunteer now ☺

## Decadal Survey (Ocean Worlds and Dwarf Planets) Open Sessions [meetings at 1:00-2:30pm EST, urls tbc]

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- Jan 15<sup>th</sup>: OW Flagship Missions: Europa Lander and Enceladus Orbilander
- Jan 25<sup>th</sup>: OW NF Missions: Titan Orbiter and Enceladus Plume Interceptor concepts from NF4
- Jan 29<sup>th</sup>: The role of Ocean and Cryosphere research on Earth in informing OW exploration
- Feb 5<sup>th</sup>: OW Technology Programs: ICEE2, ColdTech, SESAME, Planetary Protection

## Other Meetings, Workshops and Activities

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- January 19, 2021 [Life Detection Knowledge Base Workshop](#)
- January 25-18, 2021 [ELSI2021: Science & Society](#)
- January 25, 2021 [AOGS](#)
- February 9-11, 2021 [OPAG meeting](#)
- February 10, 2021 Planetary Science Journal Focus Issue: “Ocean Worlds: Motivations for a Multi-Decadal Exploration Program” [call for submissions](#)
- February 22-26, 2021 [Habitable Worlds 2021](#)
- March 15-19, 2021 [Lunar and Planetary Science Conference](#)
- September 14-17, 2021 [AbGradCon 2021](#)

## Recent Publications Relevant to Ocean Worlds

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- [Matteoni, et al., 2020](#). Geomorphological analysis of the southwestern margin of Xanadu, Titan: Insights on tectonics. *Journal of Geophysical Research: Planets*, 125, e2020JE006407.
- [Steckloff, et al., 2020](#). Stratification Dynamics of Titan’s Lakes via Methane Evaporation. *The Planetary Science Journal*, 1(2): 26.
- [Milesi, et al., 2021](#). Forward geochemical modeling as a guiding tool during exploration of sea cliff hydrothermal field, Gorda Ridge. *Planetary and Space Science*, Volume 197, 105151.
- [Buffo, et al., 2021](#). Characterizing the Ice-Ocean Interface of Ice Worlds: A Theoretical Approach. *Icarus*, 114318.

## Career Opportunities

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- The Space Sciences Laboratory (SSL) and the Chemistry Department at the University of California, Berkeley seeks [applications](#) for a full-time Astrobiology Postdoctoral Scholar (deadline Feb 15<sup>th</sup>).
- The Department of Biological Sciences at Lehigh University invites [applications](#) for a tenure-track position at the level of Assistant Professor (deadline Feb 1<sup>st</sup>).

## Proposal Calls

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- 2021 [L'Oréal USA For Women in Science program](#) (due **1/29/2021**)
- New Frontiers 5 ([NF5](#)) [Announcement of Opportunity](#) (AO) as Special Notice under Notice ID NNH20ZDA016L
- COLDTech: Autonomy, Communications, and Radiation-Hard Devices, Solicitation: NNH20ZDA001N-CLDTCH (Step1: 12/01/2020, Step2: **2/19/2020**)
- Future Investigators in NASA Earth and Space Science and Technology, Solicitation: NNH20ZDA001N-FINESST (proposals due **2/4/2021**)

## Education and Outreach

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- National Academy [Lloyd V. Berkner Space Policy Internships 2021](#)
  - Summer Program deadline Feb 5th
  - Autumn Program deadline June 4th