

Making Waves with NOW

- Call for *NOW Waves*, <https://oceanworlds.space/makingwaves/> please submit to: kpietro@who.edu
 - Kevin Arrigo https://oceanworlds.space/wp-content/uploads/sites/22/2020/10/Arrigo_Oct2020.jpg
 - Beth Orcutt https://oceanworlds.space/wp-content/uploads/sites/22/2020/10/Orcutt_Oct2020.jpg

NOW Steering Committee Meeting (November 2nd): Topics Discussed

- Business updates
 - Teams are now invited to volunteer for lightning talks at monthly NOW StComm meetings
 - NOW Working Group updates: EDI, Lecture Series, Website and Communication
 - Welcome to new Steering Committee Members: Carrie Anderson (NASA Goddard), Melissa Ugelow (NASA Goddard), Julia McGonigle (Bigelow Laboratory), David Dubois (NASA Ames), Tom Nordheim (NASA JPL)
- Lightning talks (Carrie Anderson, Rajani Dhingra, Evan Carnahan)

NOW Upcoming Events

- November 30th Steering Committee meeting: 2 of 3 Lightning Talk slots still to be confirmed
- Jan 4th Quarterly Lecture Series, Episode 4: “Life on the surface and in the atmospheres.”

Meetings, Workshops and Activities

- NASA Coronavirus Response Information: <https://nasapeople.nasa.gov/coronavirus/>
- February 10, 2021 Planetary Science Journal Focus Issue: “Ocean Worlds: Motivations for a Multi-Decadal Exploration Program” call for submissions <https://oceanworlds.space/information-now/>
- February 22-26, 2021 Habitable Worlds 2021: <https://aas.org/meetings/aastcs8/habitable>
- March 15-19, 2021 Lunar and Planetary Science Conference: <http://www.hou.usra.edu/meetings/lpsc2021>
- Oct 25, 2021 Modern Brines Across the Solar System <https://www.lpi.usra.edu/science/initiatives/brines/>
- May 15-20, 2022 AbSciCon: <https://www.agu.org/abscicon/>

Recent Publications relevant to Ocean Worlds

- Buffo, J. J., Schmidt, B. E., Huber, C., & Walker, C. C. (2020). Entrainment and Dynamics of Ocean-derived Impurities within Europa’s Ice Shell. *Journal of Geophysical Research: Planets*, e2020JE006394 <https://doi.org/10.1029/2020JE006394>
- Dziak, R., D. Ban eld, R. Lorenz, H. Matsumoto, H. Klinck, R. Dissly, C. Meinig, and B. Kahn. 2020. Deep ocean passive acoustic technologies for exploration of ocean and surface sea worlds in the outer solar system. *Oceanography* 33(2), <https://doi.org/10.5670/oceanog.2020.221>
- Liao, Y., Nimmo, F., & Neufeld, J. A. (2020). Heat production and tidally driven fluid flow in the permeable core of Enceladus. *Journal of Geophysical Research: Planets*, 125, e2019JE006209. <https://doi.org/10.1029/2019JE006209>
- Solomonidou, A. et al. (2020). The chemical composition of impact craters on Titan. Implications for exogenic processing. *A&A*, 641, A16, <https://doi.org/10.1051/0004-6361/202037866>

Career Opportunities

- In order to more fully incorporate early career scientists within NOW, we have kick-started a group called **FLOW: Future Leaders in Ocean Worlds**. We expect the group activities to include within-group networking and mentorship opportunities with other NOW members. We are limiting the group to students and post-docs who are already within the network (e.g., part of a team within NOW). If you, or a member of your team, is interested in joining FLOW, please sign-up via this Google Form: <https://forms.gle/wgSLQRyXhmWRz5NA8>

Proposal Calls

- NASA Planetary Instrument Concepts for the Advancement of Solar System Observations, Solicitation: NNH20ZDA001N-PICASSO (Step1: 9/18/2020, **Step2: 11/20/2020**)
- New Frontiers 5 (NF5) Announcement of Opportunity (AO) as Special Notice under Notice ID NNH20ZDA016L <https://newfrontiers.larc.nasa.gov/NF5/>

- COLDTech: Autonomy, Communications, and Radiation-Hard Devices, Solicitation: NNH20ZDA001N-CLDTCH (Step1: **12/10/2020**, 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

- Please submit information for next month's newsletter