

NOW Decadal Planning

- NOW white paper “Ocean Worlds Exploration and the Search for Life”
 - Released June 29th
 - To read / comment / endorse please visit <https://oceanworlds.space/whitepaper>

NOW Steering Committee Meeting (June 15th): Agenda

- NOW Quarterly Lecture Series, June 15th 2pm ET/ 11am PT via Webex (205 attendees)
Episode 2: “Life on the seafloors and in the oceans” lectures by Dr. Julie Huber, WHOI and by Dr. Kevin Hand, NASA JPL, YouTube link: https://youtu.be/QNkLx3zjp_I

Upcoming NOW Events

- July 13th NOW StComm meeting 2pmET / 11am PT. Discussion topic: Diversity and Inclusivity for Ocean Worlds – What can we do *as a Network* to be a force for good?
- July 14th Decadal Survey white papers due. For more information see <http://nas.edu/planetarydecadal>
 - OPAG <https://www.lpi.usra.edu/decadal/opag/>
 - LPI https://www.lpi.usra.edu/decadal_whitepaper_proposals/

Meetings, Workshops and Activities

- Continuously Updated: NASA Coronavirus Response Information: [Nasapeople.nasa.gov/coronavirus](https://nasapeople.nasa.gov/coronavirus)
- July 8-10 NASA Exploration Science Virtual Forum [Virtual] <https://lunarscience.arc.nasa.gov/nescf2020/>
- July 23 Planetary Geologic Mappers' Meeting [Virtual] <https://www.hou.usra.edu/meetings/pgm2020/>
- Aug 15-22 COSPAR 2020 POSTPONED: <https://www.cospar2020.org/>
- Sept 1-2 OPAG: Seattle area [TBC] <https://www.lpi.usra.edu/opag/announcements/>
- Sept 8-9 Ocean Worlds 5 POSTPONED: <https://astrobiology.nasa.gov/events/ocean-worlds-5/>
- Sept 21-Oct 9 Europlanet Science Congress 2020 [Virtual]: <https://www.epsc2020.eu/>
- May 9-14, 2021, Save the Date for AbSciCon, Atlanta: <https://www.agu.org/abscicon>

Science Highlights and Recent Publications

- *Are Planets with Oceans Common in the Galaxy? It's Likely, NASA Scientists Find*, <https://www.nasa.gov/feature/goddard/2020/are-planets-with-oceans-common-in-the-galaxy-it-s-likely-nasa-scientists-find>
- Huybrighs, H.L.F., Roussos, E., Blöcker, A., Krupp, N., Futaana, Y., Barabash, S., et al. (2020). *An active plume eruption on Europa during Galileo flyby E26 as indicated by energetic proton depletions*. *Geophysical Research Letters*, 47, e2020GL087806. <https://doi.org/10.1029/2020GL087806>
- Lu, G-S., LaRowe, D.E., Fike, D.A., Druschel, G.K., Gilhooly, W.P., Price, R.E., & J.P Amend (2020). *Bioenergetic characterization of a shallow-sea hydrothermal vent system: Milos Island, Greece*. *PLOS ONE*, 15(6), e0234175. <https://doi.org/10.1371/journal.pone.0234175>
- Meadows, V., Arney, G., Schmidt, B., & D.J. Des Marais (2020). *Planetary Astrobiology*, University of Arizona Press, Space Science Series, 9780816540068.
- Quick, L.C., Roberge, A., Mlinar, A.B., & M.M Hedman, (2020). *Forecasting Rates of Volcanic Activity on Terrestrial Exoplanets and Implications for Cryovolcanic Activity on Extrasolar Ocean Worlds*, *PASP*, 132:084402, <https://doi.org/10.1088/1538-3873/ab9504>
- Rhoden, A.R., Hurford, T.A., Spitale, J., Henning, W., Huff, E.M., Bland, M.T. & S. Sajous (2020). *The formation of Enceladus' Tiger Stripe Fractures from eccentricity tides*, *EPSL*, 544, <https://doi.org/10.1016/j.epsl.2020.116389>
- Tutolo, B.M., Seyfried, W.E. & N.J. Tosca (2020). *A seawater throttle on H₂ production in Precambrian serpentinizing systems*, *PNAS*, 201921042; <https://doi.org/10.1073/pnas.1921042117>

Career Opportunities

- Please submit information for next month's newsletter

Proposal Calls

- NOAA Ocean Exploration: NOAA-OAR-OER-2021-2006431 (Step 1: July 8)

- NASA MATISSE, Solicitation: NNH20ZDA001N-MATISSE (Step 2: July 17)
- NASA Cassini Data Analysis: NNH20ZDA001N-CDAP (Step 2: July 9)
- NASA Planetary Data Archiving, Restoration, and Tools: NNH20ZDA001N-PDART (Step 2: July 24)
- NASA Planetary Science and Technology Through Analog Research: NNH20ZDA001N-PSTAR (Step 1: August 14, Step 2: October 9)

Education and Outreach

- Please submit information for next month's newsletter