Oceanography

**OCEAN OBSERVING SUPPLEMENT** 

Dear Colleague,

In December 2021, The Oceanography Society plans to publish its first annual supplement to *Oceanography* magazine (<u>https://tos.org/oceanography</u>) on "Ocean Observing." As guest editors, we are seeking initial interest in contributing short articles to this booklet.

### **PURPOSE**

The purpose of the supplement is to widely disseminate information about the many different ways in which scientists observe the ocean to improve our understanding and support the sustainable management of the ocean and its resources. In a series of short articles that include high-quality scientific graphics and photos to bring topics alive for readership, the supplement will make ocean observing technologies, fieldwork, scientific results, and their societal relevance accessible to a broad audience. One of the aims of the supplement is to help explain the scientific and societal importance of ocean observing to funders, policymakers, and the general public.

### **DISTRIBUTION**

Hard copies of the supplement will be mailed to all members of The Oceanography Society with their December issue of *Oceanography* and will be distributed at conferences as well as at other events. As an open-access journal, a full PDF of the ocean observing supplement and individual contributions will be openly available to the public on the *Oceanography* website at the time of publication.

## COSTS

There is no cost to authors for publishing in this professional, high-quality supplement. Copy editing, design, and print and web distribution will be covered by sponsors, including Ocean Networks Canada (ONC), the Partnership for Observation of the Global Ocean (POGO), the National Oceanic and Atmospheric Administration's Global Ocean Monitoring and Observing Program (NOAA/GOMO), and the US Arctic Research Commission. We welcome additional sponsors.

### FORMAT

Articles will be 1,000 words and one simple scientific figure or location map and several high-quality photos. Once the guest editors have reviewed all letters of interest, they will send out invitations to authors.

# TOPICS

For the 2021 inaugural supplement, we have decided to align with the priorities of the UN Decade of Ocean Science for Sustainable Development and are seeking contributions within the following five topical areas:

**Ocean-climate nexus.** Observations related to climate monitoring, modeling, and forecasting; sea level rise; and ocean acidification. Articles demonstrating direct links to policy (e.g., UNFCCC, SDGs) would be welcome.

**Ecosystems and their diversity.** Studies and observations for habitat mapping and restoration; biodiversity monitoring, in particular, the relationship between biodiversity and climate change and applications for natural resource management and conservation.

**Ocean resources and the economy under changing environmental conditions.** Observations and services in support of the blue economy (e.g., energy, transport, tourism), sustainable use of ocean resources (e.g., fisheries/aquaculture, genetic resources, minerals, sand), and marine spatial planning.

**Pollutants and contaminants and their potential impacts on human health and ecosystems.** Systems for monitoring pollutants/contaminants and their dispersal (e.g., heavy metals, nutrients, plastics, organic pollutants, as well as noise), and potential links to policy frameworks (SDGs, UN Conventions).

Multi-hazard warning systems. Observing systems and information services supporting disaster risk reduction and improving human health and safety, and food security.

## **EXPRESSIONS OF INTEREST**

If you are interested in contributing an article to this supplement, please send a letter of interest that includes a short description of your idea to *Oceanography* editor Ellen Kappel (<u>ekappel@geo-prose.com</u>).

## DEADLINES

- Expression of interest: May 20, 2021
- Confirmation of contribution: July 1, 2021
- First draft: September 15, 2021
- Expected publication date: December 2021

We look forward to hearing from you!

### The Ocean Observing Guest Editor Team

Kim Juniper (ONC), Sophie Seeyave (POGO), Emily A. Smith (NOAA/GOMO), and Martin Visbeck (GEOMAR)

## **ANNEX: EXAMPLES OF OTHER OCEANOGRAPHY SUPPLEMENTS**

For more than a decade, *Oceanography* has published an annual Ocean Exploration supplement. We envision the Ocean Observing supplement to be similarly rich with graphics and photos of field activities. It may be helpful to take a look at a few of these Ocean Exploration supplements to understand their quality and the long-lasting impact they can have.

