



INTERNATIONAL RELATIONS NEWSLETTER

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NEWS

We are pleased to announce that Director Margaret Leinen has been appointed to the Executive Planning Group for the **UN Decade of Ocean Science**. The committee is comprised of 19 representatives from 16 countries and will advise on the activities and goals for the Decade. Read more about the committee [here](#).



Scripps has just re-signed our MOU with **Ningbo University** in China, first signed in 2010. Dr. Bill Gerwick has been collaborating with the University on natural

EVENTS

Scripps will be represented at a number of high-profile international events this month:

UNFCCC COP 24 Climate Conference

Scripps will be sending a delegation of 22 faculty, postdocs and students to discuss climate science and policy.
Katowice, Poland | December 3-14, 2018

American Geophysical Union Fall Meeting

Hundreds of faculty, students and alumni will represent the Scripps community at the 100th AGU fall meeting which focuses on diversity, inclusion, & exploration in science.
Washington D.C. | December 10-14, 2018

UN Decade of Ocean Science

Dr. Margaret Leinen will be meeting with the Executive Planning Group to discuss the direction of the UN Decade of Ocean Science program.
Paris, France | December 17-19, 2018



products research. In early November, Dr. Gerwick visited Ningbo, and had a signing ceremony with the President, Qihua Nie.

Dr. Gerwick also stayed to participate in **International**

Symposium on Marine Biopharmaceutical and Food Research which engaged experts in the field to discuss international cooperation going forward.

MOUs at Scripps

To stay updated on international events and visits, check out our [webpage](#).



FUNDING OPPORTUNITIES

RESEARCH FUNDING

NSF AccelNet International

Solicitation is designed to link U.S. research networks with foreign research networks to coordinate interdisciplinary approaches to large scale research challenges.

LOI Due: December 21, 2018

Nat Geo AI for Earth

Will provide grants to 5-15 novel projects that improve the way we monitor, model, and ultimately manage Earth's natural systems for a more sustainable future.

Deadline: January 9, 2019

NatGeo Reducing Marine Plastic

The goal of this RFP is to measurably reduce plastic pollution before it reaches the ocean. Projects may be focused around conservation, education, research, storytelling, or technology.

Deadline: January 9, 2019

International Scientific Drilling

Coordinates and supports multinational endeavors in continental scientific drilling. Deadline: January 15, 2019

STUDENT FUNDING

Schlanger Ocean Drilling Fellowship

Merit based awards for outstanding graduate students to conduct research related to ocean drilling.

Deadline: December 7, 2018

PEO International Scholarship

Provides scholarships for selected women from other countries for graduate study in the U.S. and Canada.

Deadline: December 15, 2018

Chateaubriand Fellowship

Supports outstanding Ph D students from American universities who wish to conduct research in France for 4-9 months.

Deadline: January 8, 2019

UC MEXUS-CONACTY Fellowship

Provides up to 5 years of funding for Mexican students doing their doctoral studies at any one of the 10 UC campuses. Must be accepted before applying. Apply through CONACYT.

Deadline: January 25, 2019

Josephine de Karman Fellowship

Open to Ph D students in any discipline, including international students, who are currently enrolled in a

Research for Ocean Sustainability

The call aims at bringing together researchers and other expertise across the globe to innovate solutions to accelerate sustainable use of oceans and minimize the effects from global change.

Deadline: January 31, 2019

UC MEXUS-CONACYT

Seed funding to teams of UC and Mexican researchers with beginning projects in basic and applied collaborative research, instructional development, and education projects.

Deadline: February 25, 2019

UNAM Energy Fellow

Opportunity for UC researchers to broaden and strengthen their research in the areas of energy & engage in collaborations with UNAM researchers.

Deadline: Ongoing

North Pacific Research Board

Funds cooperative research efforts designed to address fishery management or marine ecosystem needs.

Deadline: Ongoing (apply ASAP)

university in the U.S.

Deadline: January 31, 2019

SEG Scholarship

Support for the study of geophysics and related geosciences

Deadline: March 1, 2019

Link Fellowship

Supports students working towards a PhD in ocean engineering and ocean instrumentation research.

Deadline: March 14, 2019



INTERNATIONAL RESEARCH SPOTLIGHT

Deployment of float from German icebreaker, Polarstern
Photo credit: Argo Group Germany



Argo is a global program that deploys robotic floats to measure the temperature and salinity of the ocean. These sensors continually monitor the first 2,000 meters of the ocean and transmit data via satellite at the surface. First deployed in 1999, there are now almost 4,000 Argo floats throughout the global oceans, from the poles to the tropics and everywhere in between. Over 2 million temperature and salinity profiles have been gathered, and the data is freely available worldwide.

While Scripps is heavily involved in the Argo program, it is a global effort, with over 30 countries contributing to the array of floats. Several island nations in the South Pacific also

assist with Argo deployments or other aspects of the project. The effort is led by an international steering committee, with members from over 20 countries, including **Dean Roemmich** and **Megan Scanderbeg** from Scripps. Other Scripps scientists in the Argo program include Nathalie Zilberman, Sarah Purkey, and John Gilson. The Scripps Instrument Development Group designs and produces Argo floats, including over 500 of the presently active array. Argo contributes

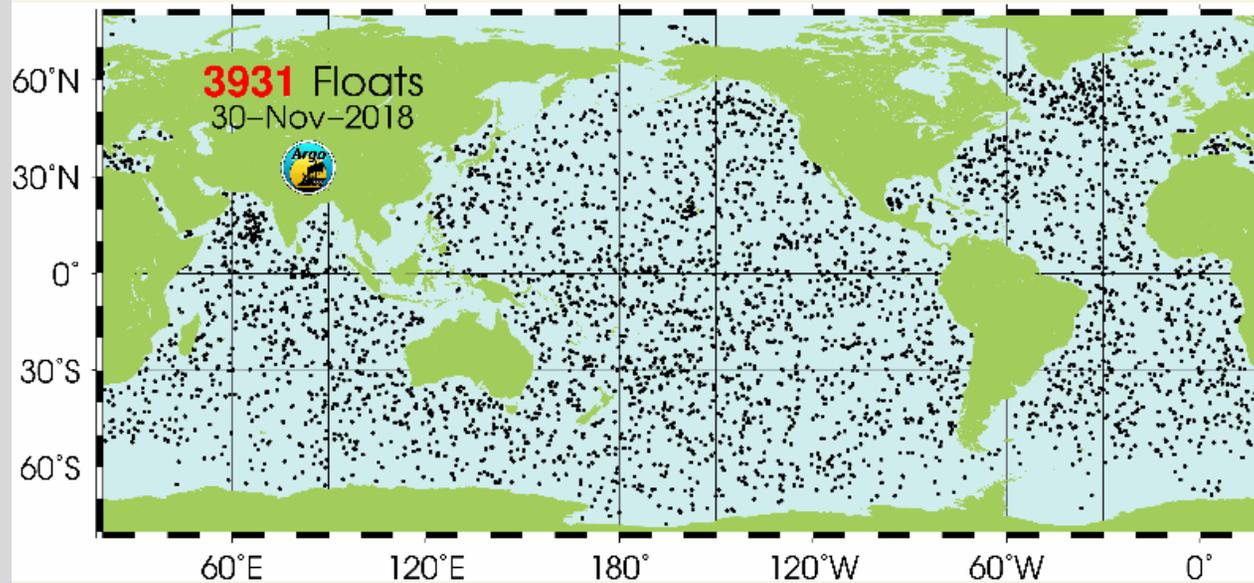
to several other international monitoring projects including the World Climate Research Program CLIVAR, Global Climate Ocean Data Assimilation Experiment, and the Global Ocean Observing System.

Argo's extensive dataset has been used in curriculum development for all ages as well as public outreach on changing ocean conditions. Over 3,000 scientific research papers have used Argo data, and its robust dataset is contributing to longterm global observations that will be invaluable for monitoring climate change impacts. International research centers in Australia, China, France, India, Italy, Japan, Korea, New Zealand, Norway, the UK, and the US monitor the global and regional data produced by Argo. Their analysis can give an early warning of drastic temperature and salinity changes, such as those seen in El Niño episodes, as well as changes in ocean circulation. At present, Argo is expanding with new Deep Argo Floats that measure to the ocean floor (6000 m) and adding biogeochemical sensors (BGC Argo) which will observe ocean acidification, deoxygenation, and ecosystem variability.



Scripps Deep Argo float, coast of San Diego
Photo Credit: Scripps Instrument Development Group

The information collected by Argo is so important the project was named a priority area in the Federal report *Science and Technology for America's Oceans: A Decadal Vision*, published by the National Science and Technology Council's Subcommittee on Ocean Science and Technology. To learn more about Argo, visit argo.ucsd.edu



Map showing distribution of Argo floats worldwide

Postdoctoral Fellowships | Dalhousie University

The Department of Earth Science at Dalhousie University announces a call for applications for the Izaak Walton Killam Postdoctoral Fellowships. Open to recently graduated scholars of superior academic research ability in any discipline. Dalhousie has programs in biology, chemistry, environmental science, earth science, ocean science, and **more**.

Deadline: December 15, 2018

Faculty Positions Geophysics | National Taiwan University

The Department of Geosciences at National Taiwan University is seeking scientists to fill 2-3 faculty positions starting August 1st, 2019. The positions are open to applicants from all fields in geosciences, but those with a strong background in the fields of geochemistry, geophysics, geo-resources exploration, stratigraphy, sedimentology, structural geology, and hydro- and applied geology are preferred.

Deadline: December 25, 2018

Postdoctoral Fellowships | Cambridge University

A variety of postdoctoral fellowships are available in **fluid mechanics, biology, astronomy and physics**, and **more**.

Deadline: Deadlines vary for each opportunity throughout December 2018 & January 2019

Postdoctoral Fellowships in Geology | University of Toronto

Multiple positions open in with the Stable Isotope Laboratory at the University of Toronto. Positions are in isotope geochemistry and contaminant hydrology and fluid-rock interactions and investigations of subsurface life.

Deadline: Open immediately, closed when filled

Senior Scientist in Biogeochemistry (Tenure Track) | JAMSTEC

Full-time tenure track Senior Scientist or Senior Technical Scientist to develop and apply stable and radioisotopes of light elements at JAMSTEC that will be used as a basic tool for research.

Deadline: January 9, 2018

UC MEXUS-CONACYT Postdoctoral Fellowship

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Header and Student Funding photos by Argo.
For more information visit argo.ucsd.edu



UC San Diego

If you are a researcher, faculty member or student and you would like your international work featured in our next newsletter, email us **here**.

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