

# Our Ocean in Your Hands: From Science to Solutions

How can high school students help solve the universal problem of ocean pollution?

## A WEBINAR

### Featuring:

**Anna Cummins, Dr. Meghan Marrero & Dr. Edith Widder**

**Friday, January 22, 2016**

**1:00 pm EST/10:00 am PST**



How can middle through high school students examine the effects of water pollution on marine and human health with real-time data from the comfort of their classrooms? How did our oceans become infested with plastic pollution, and what harm is it doing? And most importantly, what can today's students do about it... now and as they enter college and the workforce? Our panelists will inspire students to think critically about conservation and consider how they can positively influence our natural and manmade worlds.

- Each classroom receives 1 login seat.
- Participate through SmartBoard, or computer and projector with speakers.
- Students will see and hear the scientists and their slide presentations.
- The scientists will answer students' questions via a moderated chat function during the webinar.
- Registered classrooms will receive preparation materials at least 1 week before the webinar.

**RSVP online here: <http://tinyurl.com/oceanwebinar>**

Registration is free, but please RSVP soon as participation is limited to 50 classrooms. Questions? Contact [yjekogian@wingsworldquest.org](mailto:yjekogian@wingsworldquest.org)

**Anna Cummins** has over 15 years of experience in environmental non-profit work, education, writing, and campaign development. She has worked in marine conservation, coastal watershed management, sustainability education, and high school ecology instruction. Anna received her undergraduate in History from Stanford University, and her Masters in International Environmental Policy from the Monterey Institute for International Studies. In 2008, Anna completed a month long, 4,000-mile research expedition studying plastic debris in the North Pacific Gyre. The journey inspired the launch of 5 Gyres. Anna was elected a fellow of the Wings World Quest in 2011, and received a Golden Goody Award in 2013.

**Dr. Meghan Marrero, EhD** is an Associate Professor of Secondary Science Education at Mercy College in Dobbs Ferry, NY, where she teaches science methods, assessment, and oceanography courses and serves as Principal Investigator for two large STEM education grants worth \$2.6 million. Her research interests include ocean literacy and STEM teacher education. Prior to her work at Mercy, Meghan taught high school marine science in New York City and worked as a curriculum developer, writing a high school marine science textbook. She serves on the Board of Directors of the National Marine Educators Association (NMEA) and is Past President of the New York State Marine Education Association. Meghan won the NMEA James Centorino award for distinguished performance in marine education in 2013.

**Dr. Edith Widder, PhD** is a MacArthur Fellow, a deep-sea explorer, ocean conservationist and Wings Fellow. A specialist in bioluminescence, she has been a leader in developing new ways to explore the deep sea. Her innovations have produced footage of rare sharks, squid, jellyfish, and crustaceans, as well as led to the first recordings of the giant squid, *Architeuthis*, in its natural habitat. In order to help save and protect the ocean she loves, in 2005 Edie helped found the Ocean Research & Conservation Association, also known as ORCA. ORCA is the world's first technology focused, marine conservation, not-for-profit, which is using leading-edge science to find pollution and stop it at its source. ORCA's tagline, which is Mapping Pollution, Finding Solutions, describes a results-driven approach to meeting some of the greatest challenges our ocean planet is currently facing.