Grants Awards:

Ken Able. Essential Fish Habitat for Shallow Shorelines. Hudson River Foundation $109,315

Lisa Auermuller. New Jersey’s Homeowners handbook to Prepare for Natural Hazards. URS Corporation $12,061

John Wilkin, Sustaining Development of National Ocean Service Operational Forecast Systems based on the Regional Ocean Modeling System. WHOI. $50,000

Malin Pinsky. Indicators of marine climate impacts in North America. WHOI. $63,000

Robert Chant. Transport and dispersion in the Delaware River. Woods Hole Group. $73,484


Malin Pinsky. Coastal SEES collaborative research: Adaptations on fish and fishing communities to rapid change. NSF. $1,100,024

Donato Giovannelli. Deep carbon observatory second early career scientist workshop. Alfred P. Sloan Foundation. $75,000


Rutgers goes to the north as part of the Arctic Tracer Release Experiment (ARCTREX), funded by the US Bureau of Ocean Energy Management. Rutgers Robert Chant’s team (see above) is central the effort that is conducting a series of dye releases in the Arctic ocean at both the surface and bottom of the Northeast Chukchi Sea to examine how to better map spilled oil in Arctic waters. You can see the dye injection as the red ocean water behind the well-clothed Rutgers team. These experiments are designed to test available observational technology and their capability to map a dye plume in time and space, thus simulating an oil spill. As part of the experiment they will provide real time data to response agencies, including providing data for ingestion into oil spill prediction models. Travel to the field site takes the team through the exciting town of Dead Horse Alaska where they overnight before heading off to Barrow to board the ship.
CONGRATULATIONS TO BEN HORTON WINNER OF THE OCEAN SCIENCES VOYAGER AWARD. The Ocean Sciences Voyager Award is given in even-numbered years to mid-career scientist (8 to 20 years post-degree) in recognition of significant contributions and expanding leadership in ocean sciences. Significant contributions may include, but are not limited to: the awardee's research impact, innovative interdisciplinary work, educational accomplishments (mentoring), societal impact, or other relevant contributions, and to acknowledge that the awardee shows exceptional promise for continued leadership in ocean sciences. Dr. Ben Horton is the recipient of the 2014 AGU Ocean Sciences Voyager Award. Ben's research focuses on the mechanisms and nature of past sea-level changes, including those associated with earthquakes, tsunamis, and storms, to understand how these processes will impact future coastal environments. Ben has rapidly distinguished himself as a leader both within and beyond his discipline.

"Certainly, the impact and quality of Ben's publication record alone qualifies him for the Voyager Award. Beyond the high quality and sheer number of his scholarly contributions, Ben exemplifies many additional qualities that speak to his promise for continued leadership in ocean sciences, including his talent as an educator—both within academia and beyond—and as a leader in interdisciplinary science teams" Professor Andrea Dutton said in her citation for the award. "This award recognizes the students, colleagues and mentors who have always been supportive of me, both professionally and personally, throughout my career. But I would not have received this award if I had not had the support of my family who remind me every day of what matters in life" Ben said.

The Scarlet Knight RU27 Finds a Home. The glider RU27, dubbed the Scarlet Knight by the Rutgers President, has traveled many long paths. Launched as part of an undergraduate education mission, sponsored by a generous donor, Scarlet traveled from New Jersey to Biona Spain, the first ocean basin crossing of an underwater robot in history. The journey and the tensions/joy of the mission were captured in the Rutgers documentary “Atlantic Crossing” that aired nationally on PBS. The glider when recovered by scientists, was declared a historic artifact by the White House and was displayed for several years in a special exhibit in the Ocean Hall at the Smithsonian museum. When the exhibit came to end, the goal was to find a permanent home. CLS America (our partners pictured below!) working with the National Aquarium in downtown Baltimore stepped up to the plate. Scarlet's new and permanent home will be on display in the National Aquarium. The exhibit opened in Fall, and a formal celebration will be held in early March 2015.

Congratualtions to Malin Pinsky for being awarded a highly competitive NSF SEES program on understanding the sustainability of fisheries in a changing ocean. Most of us enjoy eating fish and plan to continue eating fish into the future. But which local fish will be available in New Jersey? How will summer flounder and hake populations on the northeast continental shelf change as our climate warms and fisheries practices adapt? We currently do not know the answer to these questions, but Malin and his team plan to learn more over the next four years thanks to a new grant announced by the NSF. A
Rutgers team, led by Malin Pinsky, assistant professor in the Department of Ecology, Evolution, and Natural Resources at the School of Environmental and Biological Sciences (SEBS), will soon begin its research on fisheries and coastal communities in the northeastern United States under a $1.1 million award from the National Science Foundation (NSF). This award is one of only nine national awards for the year by the Coastal SEES Research Program at NSF. This project involves close collaboration with the National Oceanic and Atmospheric Administration (NOAA). Other Rutgers members include co-investigators Kevin St. Martin, professor in the Department of Geography in the School of Arts and Sciences, and Bonnie McCay, distinguished professor in the Department of Human Ecology at SEBS. The Rutgers study will focus on assessing the sustainability of fisheries by researching the long-term adaptation and sustainability of marine populations in the context of climate change and fishing. The research team will explore the social, economic and regulatory factors that affect the responses of fishing communities as fish migrate to new ocean areas in response to changing oceans, climate change as well as fishing practices.

Congratulations to Ben Horton on release of the newly edited Handbook of Sea-Level Research. Professor Ian Shennan (Editor), Professor Antony J. Long (Editor), Dr Benjamin P. Horton (Editor). Measuring sea-level change – be that rise or fall – is one of the most pressing scientific goals of our time and requires robust scientific approaches and techniques. This Handbook aims to provide a practical guide to readers interested in this challenge, from the initial design of research approaches through to the practical issues of data collection and interpretation from a diverse range of coastal environments. Building on thirty years of international research, the Handbook comprises 38 chapters that are authored by leading experts from around the world. The Handbook will be an important resource to scientists interested and involved in understanding sea-level changes across a broad range of disciplines, policy makers wanting to appreciate our current state of knowledge of sea-level change over different timescales, and many teachers at the University level, as well as advanced-level undergraduates and postgraduate research students, wanting to learn more about sea-level change.

The Rutgers autonomous ocean robots highlighted in “Rutgers is Revolutionary” national advertising effort.
GET YOUR RU OCEAN SWAG!!!!

Rutgers Oceanography tea-shirts have arrived for the winter. Proudly wear the Rutgers Oceanography tea-shirts with funds being raised to host science socials for the undergraduate and graduate students. Tea-shirts go for $15 and will make you look athletic, smart, and dashing. Such a great deal for a great cause. Contact Sarah Kasule if interested (kasule@marine.rutgers.edu). To see the quality people your contribution would support check out our featured graduate students at http://marine.rutgers.edu/main/Featured-Student/.

Please help us enable Rutgers oceanography to support the next generation!

Rutgers oceanography needs your support to meet the environmental and educational challenges facing the world today. Your support is critical to enabling high risk and high reward research, developing students to be the leaders of tomorrow and bringing the public with our scientists into the ocean. Your private gifts will create new laboratories, student fellowships, endowments and feed ambitious new programs. Come join us!

New Publications


