

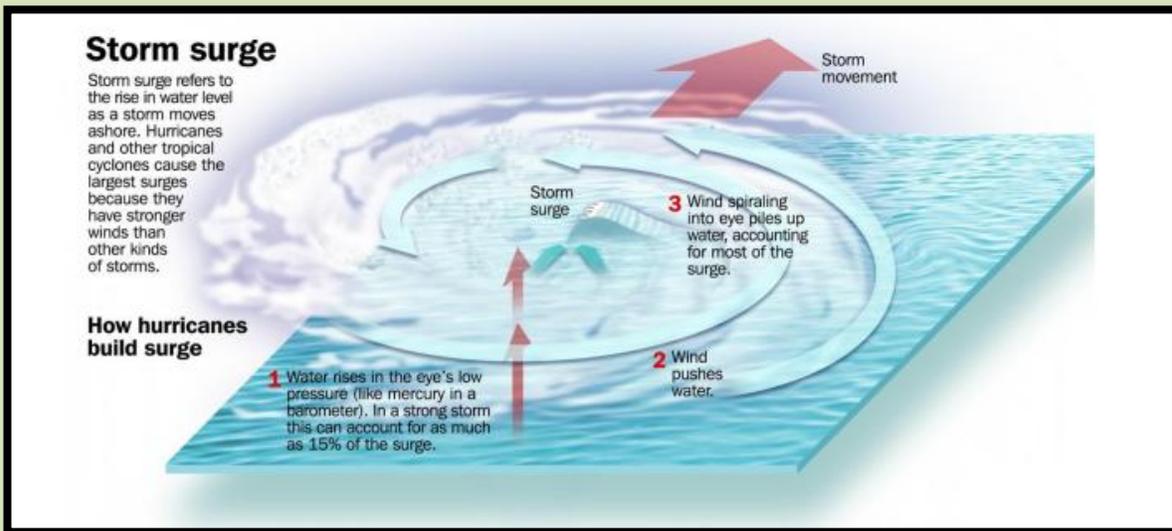
~ NJSGC HIGHLIGHTS ~

'Understanding Storm Surge' educational resource & lesson plan update

Following the completion of this module, students will be able to:

- Define storm surge and the factors that influence it
- Learn how temperature affects air density and the formation of high and low pressure systems in the atmosphere
- Explore the effect of gravity on air in the atmosphere
- Discover the role of Earth's rotation on global and localized wind patterns
- Examine the effects that air pressure has on storm surge levels
- Determine how storm surge affects coastal communities
- Explore the impact of shoreline shape and beach slope on storm surge

Find the latest edition of 'Understanding Storm Surge' [here](#), including all activities and references.



NJSGC's 'Expertise Database' now includes over 145 participants

The experts included in this professional directory are faculty and staff affiliated with member institutions with particular interest in studies relevant to coastal and marine research (including watershed and estuarine), engineering, and the physical/social sciences.

[Search the database now!](#)

We always encourage more specialists to join the list! If you know of any colleagues experienced in the topics listed above, please let them know to contact NJSGC's Communications Specialist [Danica Bellini](#) for more information.

What went on outside the Consortium this week...



Ninth Annual Jersey Shore Boat & Sale Expo at First Energy Park in Lakewood, NJ



Advancing Shellfish Aquaculture and Red Knot Conservation in Delaware Bay, NJ (Symposium)



'Locals' summer in Sandy Hook, NJ

Space is limited – get involved today!

The [Rutgers Climate Symposium](#) will feature several guest speakers including Cynthia Rosenzweig (NASA Goddard Institute for Space Studies), Mustafa Ali (Hip Hop Caucus), Nilda Mesa (Columbia University), Julie Pullen (Stevens Institute of Technology), and William Solecki (Hunter College-CUNY). November 15, 2017.

REGISTRATION OPEN

EXPLORING ECOLOGICAL SOLUTIONS FOR COASTAL COMMUNITY HAZARDS

WORKSHOP SERIES

October 30th, 2017, 9am-3pm
"Introduction to Ecological Solutions for Coastal Community Hazards"
Atlantic City Utilities Authority, 6700 Delilah Rd., Egg Harbor Township, NJ

October 31st, 2017, 9:30am-4pm
"Managing and Monitoring Ecological Projects: Is Your Project Meeting Its Goals?"
Atlantic County Library System, Brigantine Branch, 201 15th St. South, Brigantine, NJ
Includes site visits to ecological projects

December 12th, 2017, 9am-3pm
"Technical Planning for Ecological Projects"
Rutgers Center for Remote Sensing and Spatial Analysis
14 College Farm Road, New Brunswick, NJ

Register Here: <https://ecologicalprojectsworkshop.eventbrite.com>

Workshops are for contractors, engineers, municipal leaders, and others interested in learning more about ecological solutions.

Contact Kaitlin Collins with any questions
Kcollins@delawareestuary.org, 302-655-4990, ex. 108

Attendees of the [American Littoral Society](#)'s Healthy Ocean Ecosystem & Sustainable Ocean Uses workshop will leave with an understanding of the National Ocean Policy and Mid-Atlantic regional planning efforts as well as the ability to engage in supporting the durability of the NOP and the conservation opportunities in the Mid-Atlantic Regional Ocean Action Plan. Please contact [Helen Henderson](#) for more info. October 20, 2017.

RUTGERS CLIMATE SYMPOSIUM 2017
Climate Change and Cities
Wherever the world is going cities will get there first



Photo courtesy of Robin Lechewski

Stimulating collaboration among natural and social science researchers and students interested in climate change from institutions in the NJ, NY and Philadelphia region

Wednesday November 15, 2017
8:15 AM Poster Set Up; 9 AM Keynote
Livingston Student Center
84 Joyce Kilmer Avenue, Piscataway, NJ

Featuring
Cynthia Rosenzweig, NASA Goddard Institute for Space Studies
Mustafa Ali, Hip Hop Caucus
Nilda Mesa, Columbia University
Julie Pullen, Stevens Institute of Technology
William Solecki, Hunter College-CUNY

Submit poster abstracts by November 5, 2017
Register by November 9, 2017
Posters can be on any scholarly climate change research; they are not restricted to the symposium theme

Event is **free** and for students, faculty, staff of academic and research institutions
Complete details at <http://rutclimatesymposium2017.weebly.com/>

Made possible through the generous support of the Frank Spozato Memorial Endowment

Partnership for the Delaware Estuary, Barnegat Bay Partnership, and NJ Department of Environmental Protection are hosting a series of workshops ([Exploring Ecological Solutions for Coastal Community Hazards](#)) designed for municipal officials, engineers, architects, planners, contractors, and anyone else interested in learn more about ecological projects (such as living shorelines and stormwater management). October 30-31 and December 12, 2017.

American Littoral Society Presents:

Mid-Atlantic Regional Ocean Action Plan and National Ocean Policy Workshop



A Healthy Ocean Ecosystem & Sustainable Ocean Uses

Friday, October 20th, 2017
8:30 a.m. - 2:30 p.m.
The Robinson Ale House Asbury Park
1200 Ocean Avenue, Asbury Park, NJ 07712

Join us to discuss the Mid-Atlantic regional marine planning effort
RSVP by 10/10/17: helen@littoralsociety.org



- Learn about the National Ocean Policy (NOP) and ways that state and regional conservation voices matter at the federal level.
- Discuss the Mid-Atlantic Regional Ocean Action Plan and leave with information and tools to engage in the effort.
- Discuss with conservation community how experiences in New Jersey decision-making can work with implementation of the Mid-Atlantic Regional Ocean Action Plan.
- Leave with an understanding of Mid-Atlantic ocean planning, created through the NOP, as well as how stakeholders can leverage ocean planning for conservation opportunities in the Mid-Atlantic Ocean Action Plan.

IN THE NEWS

[Best Field Trips to Take in the NJ Area](#) (via njfamily.com)

[2017 recorded most rip current-related fatalities](#) (via 'Asbury Park Press')



Please remain aware of NJSGC's 'break the grip of the rip' awareness signs located along the Jersey Shore, even during the warm offseason!

(Belmar)

[NOAA Announces \\$2.2 Million in Marine Debris Grants](#) (via National Ocean Service)

[West Wildwood creating 'Living Shoreline' to save peninsula and buffer wave action](#) (via shorenewstoday.com)

October is National Seafood Month!

Share any yummy dishes with NJSGC on [Facebook](#), [Instagram](#), or [Twitter](#) and your photo could appear in the next edition of the [COASTodian](#) newsletter!



#Halibut dish from Marina Grille in Belmar, NJ