



NExUS Ongoing Projects and Activities Thu Mar 22 19:22:07 EDT 2018

<b>Name</b>	Coastal Flood Risk Assessment for the Urban Northeastern Corridor, Today and with Future Sea Levels
<b>Description</b>	The Northeastern U.S. urban corridor of New York City, Philadelphia and Boston is threatened today by coastal storms, and climate change is likely to increase this threat due to predicted changes such as sea level rise. The primary objective of the project is to produce probabilistic risk assessments for the present, the 2050s and the 2080s, using stakeholder- defined metrics for urban watersheds. Major innovations beyond other prior studies include (a) the use of a highly detailed, extensively validated ocean model to provide probabilistic, yet accurate forecasts; and (b) inclusion of rainfall and storm surge based flooding in one combined modeling system.
<b>Category</b>	- Research
<b>Sector</b>	- Public Health and Safety - Infrastructure - Natural Ecosystems
<b>Focus Area</b>	- Changes in Extremes of Weather and Climate
<b>Region</b>	- Regional Or State -- Mid-Atlantic
<b>Status</b>	- Ongoing
<b>Timelines</b>	Date of Completion, September 2015
<b>Lead Agencies</b>	NOAA Regional Integrated Sciences and Assessments
<b>Contacts</b>	Alan Blumberg, Stevens institute of Technology, ablumber@stevens.edu