



NExUS Ongoing Projects and Activities Fri Feb 15 18:11:40 EST 2019

Name	Hydro- Meteorological Conditions Associated with Extreme Flooding in the Northeast United States Rivers
Description	Extreme floods have historically wreaked havoc in both populated and unpopulated areas of the Northeast United States, especially between late winter and mid-spring. During this transition period, intense frontal rainfall can combine with seasonal snowmelt and dramatically increase flooding potential throughout the region. This project analyzes daily streamflow data from Northeast U.S. rivers to identify an ensemble of extreme of flooding events and the hydro-meteorological conditions that precede them. The climatology of the conditions leading to these extreme floods is determined by averaging key meteorological variables over all the identified events to determine what is common to all the events. Addressed is whether or not such conditions can be predicted at longer lead times than those associated with weather forecasting.
Category	- Research
Sector	- Public Health and Safety
Focus Area	- Climate Impacts on Water Resources - Changes in Extremes of Weather and Climate
Region	- Regional Or State
Status	- Ongoing
Timelines	Date of Completion, March 2013
Lead Agencies	NOAA Regional Integrated Sciences and Assessments
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