



NExUS Ongoing Projects and Activities Thu Nov 23 09:53:42 EST 2017

Name	Climate Variability and Change as Simulated over the Northeast
Description	The CCRUN (Consortium for Climate Risk in the Urban Northeast) climate team, through its work with urban stakeholders, focused on intense precipitation events, extreme heat, and extreme cold, as climate metrics that influence for example the water sector, infrastructure, and human health. The team has evaluated 6 Regional Climate Models that contributed to the North American Regional Climate Change Assessment Program (NARCCAP). Initial work explored how well the regional climate models are able to reproduce historical mean climate and climate extremes in the Northeast, when receiving the best available historical data at the model boundaries. Next the team assessed regional climate model performance over the historical period when driven by global climate models. Finally, projected changes in mean climate and extremes for the middle of the 21st century under the A2 emissions scenario were explored.
Category	- Research
Sector	- Public Health and Safety - Infrastructure
Focus Area	- Changes in Extremes of Weather and Climate
Region	- Regional Or State
Status	- Ongoing
Timelines	Date of Completion, April 2013
Lead Agencies	NOAA Regional Integrated Sciences and Assessments
Contacts	Radley Horton, Associate Research Scientist, Center for Climate Systems Research, Columbia University, rh142@columbia.edu