



NExUS Ongoing Projects and Activities Fri Apr 20 14:35:20 EDT 2018

| | |
|---------------|---|
| 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 |