



Presenter

Alex Huang - UNC Asheville

Implications of Climate Change in North and South Carolina in 1950 – 2016

The Objective of this poster is to investigate the recent climate change in North and South Carolina and to study the relationship of global climate change and the regional climates in these two states. The time series of annual temperature and precipitation at the six selected weather stations in Carolinas from 1950 -2017 are plotted to show the temporal trends of both variables. The drought data from these stations are also analyzed from 1950 to 2016. Additionally, decadal variations of severe weather such as tropical cyclones and tornadoes from 1950 -2016 are spatially illustrated using ArcGIS software. It is noted that there is no significant trends or patterns in these data that indicate any conspicuous shifts of climates in Carolinas. However, climate change does occur and always will, and the short length of the studied period in this study may obscure the signature of climate change.