Amount Requested: $250,000

To assist the Delaware River Basin Commission, in conjunction with NOAA/NWS and USGS, with the enhancement of the basin's flood warning system. The coastal inundation model will connect ensemble weather models to a hydrodynamic model in order to characterize and display wind-driven storm surge at the street level scale in advance of nor'easters and hurricanes. A prototype of this model exists in the Cheasapeake Bay. Extension of this technology to the Delaware Bay will enable an efficient and timely transfer of the model and better inform coastal managers of storm risk and sea level rise.