**How the Webpage Works**

* Still in progress
* Npm

**How Other Elements Work**

**How to Get Data into the Database**

* Use python/nc\_to\_csv.py and python/nc\_to\_csv\_location.py to convert netcdf data to csv files (the netcdf data is in the whole\_prob directory)
* Create the mysql database by running database\_scripts\_data/tables.sql
* Run database\_scripts\_data/load\_data.sql to load the data from the csv files

**How to Get Data from Database**

* Use python/convert.py to get the risk and precipitation info for a certain location, or query directly from a sql file

**How to Create Images**

* Run python/project\_points.py to project the points from their original projection in the netcdf file to the desired projection. The output will be WGS84\_points\_saved and WGS84\_vals\_saved. These are numpy arrays
* Run python/render\_risk\_images.py to create the new images