

**Project Status Report: CEEEn-2018CPST-0DR-004**

**Report Date: 11/5/2018**

**Team Members: Jared Lillywhite, Wade Roberts, Seth Barrus, Dan Costa**

**Project Title: Flood Mapping**

### 1) Summary of technical/non-technical challenges encountered

- Technical Challenges
  - What format is the data going to be in?
  - How will we perform geospatial analysis on our socioeconomic data?
  - Learning to use open source tools.
- Non-Technical Challenges
  - Still difficult to communicate with our sponsor because he is in the Dominican Republic, which makes it difficult to acquire the data.
  - The President of the Dominican Republic cancelled all unessential international travel for public employees.

### 2) Team approaches & resolutions to overcome challenges

- Begin building a basic model to perform geospatial analysis.
- Begin researching methods of determining economic impact of storms.

### 3) Status of challenge resolutions & potential project impact

- A presentation for INDHRI has been prepared to outline our project.
- The INDHRI contingent will now only be comprised of Fidel, rather than the director and Israel and others.
- Fidel has responded to our email and has indicated that there is data on the website <https://www.one.gob.do/>. He will work with us to get the data in shapefiles.

### 4) Project status & summary

- We are on track to have material for discussion when the sponsor comes November 6<sup>th</sup> at noon.
- Dan and Jared have downloaded the HAZUS software and are now becoming familiar with it.
- Seth and Wade are building the model.