**Project plan 31/05/2021**

**Phase 1: 18/05/21 – 08/06/21 90% complete**

**Literature review**

* + - 1.0.0 literature review
    - 1.1.0 Hurricanes
      * 1.1.1 What are hurricanes
      * 1.1.2 Hurricane Laura (can be swapped for which ever hurricane is chosen)
      * 1.1.3 How are hurricanes modelled and predicted
      * 1.1.4 How are hurricanes mapped
    - 1.2.0 GIS
    - 1.3.0 Uncertainty
      * 1.3.1 What is uncertainty.
      * 1.3.2 Why does uncertainty matter.
      * 1.3.3 Uncertainty in GIS
      * 1.3.4 Uncertainty in hurricanes.
      * 1.3.5 Uncertainty and visualization

**Phase 2: applying visualization improvements starting 08/06/2021 – 14/07/2021**

**Create 2d hurricane map improvement**

* Further develop a table of techniques, there audience, benefits, scale.
* Draw out key components of potential users from the meeting (07/06/2021)
* Load NHC hurricane Laura data into initially into arc and apply appropriate visualisation styles
* Examine RMS visualisation methods
* Examine RMS user profiles
* Update initial visualisation improvements to match better defined users and fit RMS portal
* Compare visualisation methods/techniques which fit these profiles
* Continually develop a method to visualizing the hurricane data

**Create interactive 2d map improvements**

* Reading upon interactive map usability and techniques
* apply techniques to current 2d version
* adding the element of time
  + main benefit of an interactive map is being able to view and interact with eh 4th dimension, time.

**Phase 3: anonymous questionnaire 14/07/21 – 03/08/21**

* create questionnaire to compare the newly create maps to previous NHC maps
* send questionnaire to industry partners, potentially to no exeperts as well
* once questionnaire results are received, the results can be compiled

**Phase 4: results and write up 03/08/21 – 31/08/21 (final deadline)**

* write up the findings of the project into a 10,000 dissertation
* continual first drafts of literature review, methods will be written as they are researched. But the final report will be written here
* report submitted to UCL and provided to RMS if they wish to have an in-depth read