

Phase 1: literature review, 18/05/21 – 08/06/21 90% complete

- 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
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- 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 hurricane visualisation techniques.
 - Comprising of techniques found through research and there attributes)
- 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 according to initial user information provided by kelvin
- Develop an initial method to visualizing hurricane data
- Examine RMS visualisation methods and user profiles (21/06/2021)
- Then order the usability by, whet needs to be seen, what is useful to see, what is nice to see as map order.
- Continually develop a method to visualizing the hurricane data

Create interactive 2d map improvements

- Re-Examine exposure iq
- Reading upon interactive map usability and techniques
- apply techniques to current 2d version (keep in might feedback given to RMS about usability)
- adding the element of 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 experts 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