Meeting: 2 **18/04/2021**

First Meeting

Agenda:

- Project report
    - What is the project
    - What is the aim/objectives
- (timemanagment/plans) Gantt chart
    - Structuring the dissertation
    - General time management
- Literature review overview
    - I've never had to do one before
    - What's required for this diss
    - What's the structure

Project Report

The Title

Visualizing uncertainty with RMS

The brief

In 2020, we were bombarded with maps—but maps can lie. When communicating an issue that is as complicated, as delicate, and as uncertain as COVID-19, data visualizations must be clearer than ever to ensure the right message is communicated to the audience. This project investigates the wider issue of communicating uncertainty through maps, from issues such as climate change to catastrophe modelling to modelling a global pandemic. The focus is on cartography and the visualisation of uncertain geographic phenomena.

The Project

- Investigate the current standards for visualizing hurricane maps and the accompanying techniques to visualize uncertainty.
- Research a method to improve the 2d visualisation to better show uncertainty in a 2d map.
- Research a method to improve the 2d visualisation to better show uncertainty in an interactive 'dashboard'.
- Research the benefits of adding 3d visualisation to the 'dashboard'.
- Get anonymous feedback from the public/industry on each version.

RMS wish list

- Uncertainty cone with event response cone, contextualize how rms communicate uncertainty. E.g. hurricane cone.
- Taking text to dynamic image
- Dynamic portal compared to picture.
- Build a dynamic portal from static text to
- Compare to current industry what is going on?

Bonus

- Turn the whole visualisation 3d
- how do other cultures visualizes disasters.
- Approaches towards different hazards

Example Gantt chart (not full document)