Development of Immersive Systems of Data Visualization

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Goals

• Using immersive modes of information visualization to engage citizens of Miami and raise awareness about water issues.

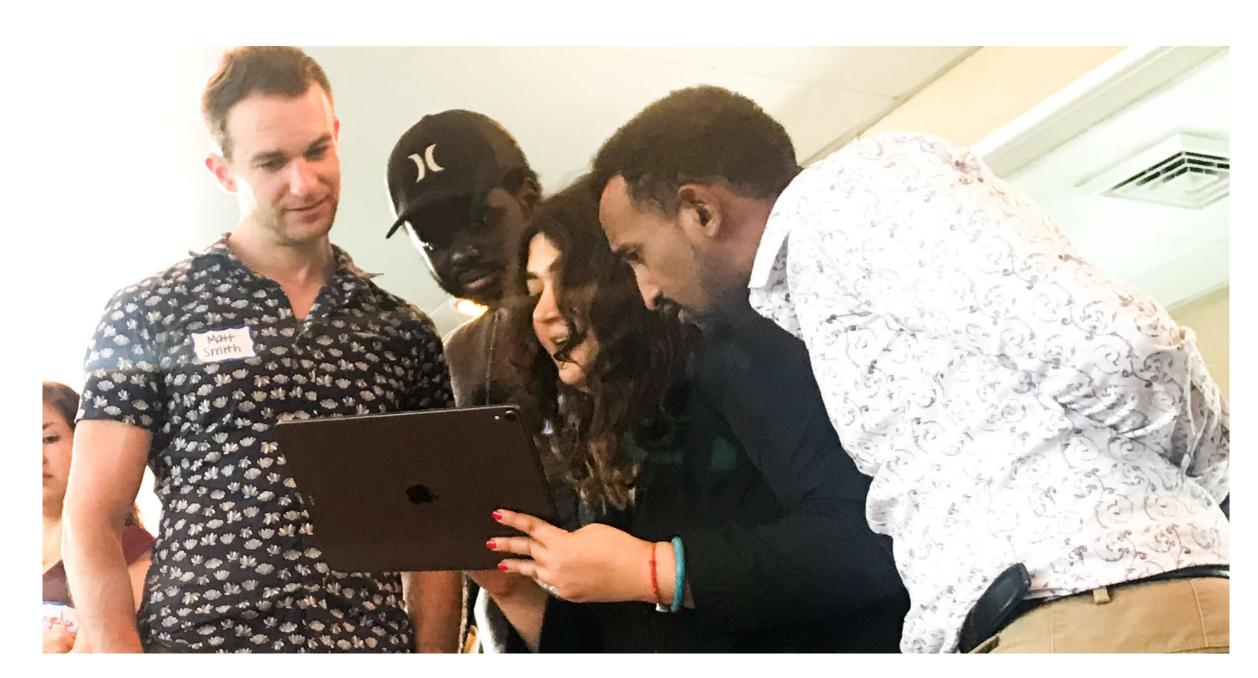


Figure 1. CREST Miami River Tour



Figure 2. Broward Youth Climate Summit

Research Methodology

- Understanding the end users of the visualization, as well as overarching goals of CREST center to create an appropriate visualization to serve their needs.
- Methods of engagement encompass developing near real time graphics, as well as interaction and emersion capabilities.

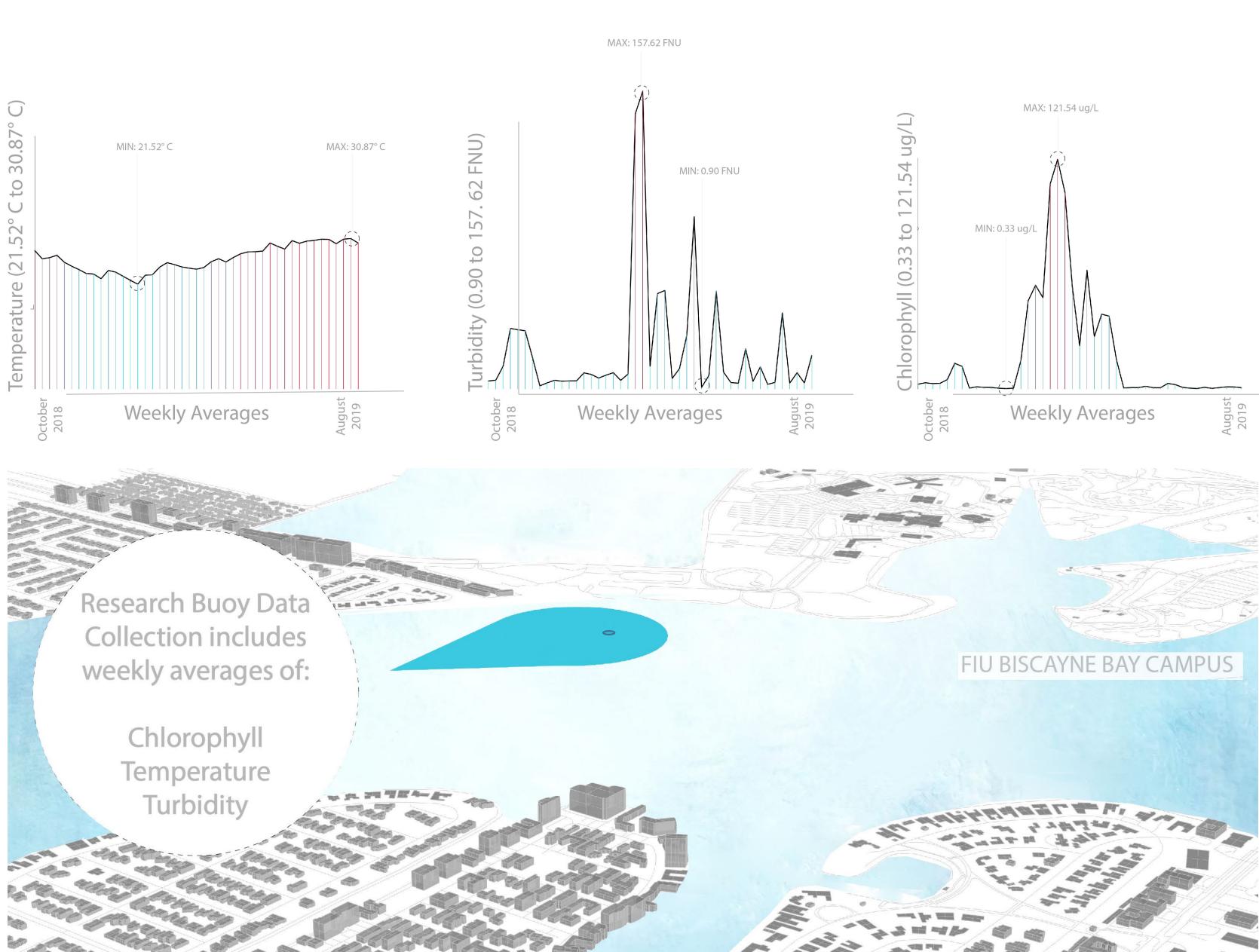


Figure 3. Graphic representation of buoy data

Results

- Generating one virtual reality application highlighting sensors deployed along Miami River.
- One augmented reality application demonstrating location of CREST buoys and data patterns acquired by this device.



Figures 4 and 5. AR and VR demonstrations to the public at Broward Youth Climate Summit





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