7-2015

It Takes a Village to Build a Sea Level Rise App: Civic Hacking as an Approach to Informing Citizens About Sea Level Rise in Miami

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**Recommended Citation**

Jacobson, S., Fu, J., MacMillin, K., Pinto, J., Gutsche, Jr., R. E., Monson, R. (2015). It takes a village to build a sea level rise app: Civic hacking as an approach to inform citizens about climate change in Miami, International Association for Media and Communication Research, Mediated Communication Environment, Science and Risk Communication Working Group, July 12-26, 2015, Montreal, Canada.

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I am not a scientist...
ONA Journalism Curriculum Challenge Grant

King Tide Day

Student-Produced Documentary

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Sea Level Rise Toolbox

http://eyesontherise.org/app

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SLR Toolbox: Goals

- Focus on *South Florida*. Inform citizens of the potential risk of sea level rise to their homes and businesses.

- Make it **easy to use for a general news audience** (ie: not scientists)

- Create a **database of flood reports** so that citizens may better understand when and where flooding occurs.

- Allow citizens to contribute **crowdsourced geographic information** to the flood report database.

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Brainstormed ideas for features and designs
- Students, scientists, faculty, hacktivists, citizens

Identified data sources
- Code for Miami, Miami-Dade County, Open 311

Created prototype
- Conducted user testing on students, citizens, hacktivists

Tested and redesigned prototype
- Worked with Fusion

Launched application at BarCamp Miami

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SLR Toolbox: Challenges

- Politics
- Representing years vs. feet
- Creating interface for a lay audience
- Providing context
- Scientific information vs. journalism
  - Google Elevation vs. LiDAR
  - Visualizing .5 feet on 1-foot scale
SLR Toolbox: Next Steps

- Increase transparency of data
- Build and design native IOS and Android applications
- Implement Flood Report Database
  - Add local sources
- Create citizen flood report tool
  - K-12 flood report curriculum
- Integrate narrative into application

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Thank You!

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