

Connecting Coastal Communities

Robert F. Chen¹, Pam DiBona², Georgia Mavrommati¹, Cedric Woods¹ and Ilya Zaslavsky³

¹ University of Massachusetts Boston; ²Mass Bays National Estuaries Partnership; ³UC San Diego Supercomputer Center

SCC-PG, FY2021

We aim to support and foster the capacity of marginalized communities to **co-generate knowledge** by using structured and unstructured data. Two coastal communities were selected for our study.

Community identified problem:

Limited use of local knowledge and unstructured data from community members when addressing climate change related issues.

Intellectual merit:

- To develop effective and sustainable responses to the climate change impacts that affect coastal communities.
- To integrate different data types to strengthen local knowledge of coastal communities.

Immediate impact:

Supporting marginalized coastal community voices with the use of structured and unstructured data to address their major priorities relating to climate change.

Lasting impact:

- 1) Establishing means to increase diversity among stakeholders consulted in responses to climate change.
- 2) Increasing project partners' capacity due to increased engagement in the research process.
- 3) Sharing data and video stories beyond the project boundaries.

Next steps:

- Complete qualitative analysis.
- Compile structured and unstructured data.
- Run two workshops aiming at developing action plans for the selected communities.

