2018 Workplan

This is a summary of the anticipated projects and activities of the Northern Gulf of Mexico Sentinel Site Cooperative. Attached is a detailed breakdown of actions and a timeline.

### 2017 Priority Gap: Making Recommendations to Decision Makers

**Gulf TREE:** A resource that recommends climate change tools to stakeholders across the Gulf based on their needs.

- Funding source: EPA Gulf of Mexico Program
- Duration: April 2016 – April 2019
- Funding Amount: $279,353
- Project Lead: Renee Collini
- Additional Personnel: Mikaela Heming
- Outputs: 1) Gulf TREE, 2) Two Workshop Reports, 3) Peer Reviewed Publications, 4) Trainings

**CoP Capacity Building:** An effort to improve community capacity to respond to climate change - our effort focuses on green infrastructure.

- Funding Source: NAS Gulf Program
- Duration: May 2017 - May 2019
- Funding Amount:
- Project Lead: Tracie Sempier
- Additional Personnel: Renee Collini; Casey Fulford
- Outputs: 1) Resource documents based on stakeholder feedback to address barriers in living shoreline implementation at the local and regional level

**Marsh Model Comparison:** Understanding how and why marsh sea-level rise models are different and how that influences model application/selection for natural resource managers.

- Funding Source: Internal NCCOS funding
- Duration: n/a
- Funding Amount: Personnel for marsh comparison, some workshop supplies
- Project Lead: David Kidwell
- Additional Personnel: Christine Buckel, Jim Pahl, Trevor Meckley, Renee Collini, FWS
- Outputs: 1) Report describing the differences 2) Recommendations on which model is appropriate for which effort

**Standardized SLR Scenarios in the Northern Gulf:** Working to develop recommended scenarios in modeling for the nGOM to increase comparability between modeling projects and outputs from different efforts.
Funding Source: GOMA  
Duration: n/a  
Funding Amount: $10,000  
Project Lead: Jim Pahl  
Additional Personnel: David Kdiwell, Renee Collini, John Tirpak  
Outputs: 1) Recommended probabilistic scenario for the nGOM

**Water Level Training:** A short series of workshops to support resource managers needs around application of water level data.  
Funding Source: NOAA Gulf Regional Collaboration Team  
Duration: Fall 2017 - Spring 2018  
Funding Amount: Travel for COOPS partners  
Project Lead: Marian Hanisko  
Additional Personnel: Kristen Laursen, Grace Gray, Audra Luscher, Galen Scott, Karen Bareford, Mike Shelton, Margo Posten  
Outputs: 1) Two workshops on the water level training 2) one half day workshop on the Water Initiative

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### 2018 Priority Gap: Strategic installation of SET sites to address current gaps

**Regional Workshop:** Coordinating with SET practitioners around the Gulf to improve resource sharing and overall regional capacity to fill gaps.  
Funding Source: none  
Duration: n/a  
Funding Amount: none  
Project Lead: Renee Collini  
Additional Personnel: Mike Osland, Brita Jessen, Jeremy Conrad  
Outputs: 1) Gulf TREE, 2) Two Workshop Reports, 3) Peer Reviewed Publications, 4) Trainings

**Support Installation Activities:** Support those seeking funding or other resources to be able to better coordinate, maintain, or expand existing SET efforts.  
Funding Source: none  
Duration: n/a  
Funding Amount: none  
Project Lead: Renee Collini  
Additional Personnel: none  
Outputs: 1) Additional resource for SETs in the Gulf

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## 2018 Priority Gap: Improved outreach and communication of sea-level rise science and issues at the local and community level

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Funding Source</th>
<th>Duration</th>
<th>Funding Amount</th>
<th>Project Lead</th>
<th>Additional Personnel</th>
<th>Outputs</th>
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<tbody>
<tr>
<td><strong>NGOM+N2E2:</strong></td>
<td><em>New EESLR project understanding how NNBFs mitigate surge and nuisance flooding with SLR, including the economic benefits.</em></td>
<td>NOAA NCCOS</td>
<td>December 2016 - November 2020</td>
<td>$160,000 (Cooperative); $1,200,000 overall</td>
<td>Scott Hagen</td>
<td>Renee Collini, Matt Bilskie, Karim Alizad, David Kidwell, Trevor Meckley</td>
<td>1) Natural resource manager and restoration specialist input on needs around SLR information, 2) Data layers from the research project, 3) Dissemination products – TBD</td>
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<td><strong>RCRG 2017:</strong></td>
<td><em>Helping communities address fiscal and communication barriers to integrating SLR resilience into planning</em></td>
<td>NOAA OCM</td>
<td>Oct 2017 - Sep 2020</td>
<td>$496,285</td>
<td>Renee Collini</td>
<td>Mikaela Heming, Casey Fulford</td>
<td>1) 15 Case Study Videos, 2) Topical Videos, 3) Small Grants Competition</td>
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<tr>
<td><strong>GOMA Videos:</strong></td>
<td><em>Coordinating the development of case study videos around communities being resilient in the Gulf of Mexico.</em></td>
<td>GOMA</td>
<td>Oct 2017 - Aug 2018</td>
<td>$15,000</td>
<td>Renee Collini</td>
<td>Casey Fulford</td>
<td>1) Case study videos based on previous Resilience Team funding</td>
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<td><strong>SLR Scenarios Two Pager:</strong></td>
<td><em>Development of a user-friendly approach for finding and disseminating data from recently updated regional SLR scenarios.</em></td>
<td>None</td>
<td>n/a</td>
<td>None</td>
<td>Renee Collini</td>
<td>Casey Fulford, Audra Luscher, Colleen Roche, Billy Sweet, Marian Hanisko, Chris Weaver, Doug Marcy, Katy Hintzen, Sarah Spiegler, Taryn Sudol</td>
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</table>
Outputs: 1) Two-pager template 2) Analysis helper document 3) Template instructions 4) Two-pagers for the NGOM SSC communities

**Inventory of emerging and high priority issues:** *Understanding what impacts communities are already seeing.*
Funding Source: None
Duration: n/a
Funding Amount: none
Project Lead: Renee Collini
Additional Personnel: Casey Fulford, Mikaela Heming, Marian Hanisko????, Tracie Sempier????
Outputs:

**Communicate EESLR-NGOM Products:** *Inform natural resource managers and coastal planners of the availability of new sea-level rise science*
Funding Source:
Duration:
Funding Amount:
Project Lead: Renee Collini
Additional Personnel: Dave Kidwell, Christine Buckel, Trevor Meckley
Outputs: More decisions are being made with SLR integrated

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**2018 Priority Gap: Socioeconomic analysis of the cost of not adapting to planning for sea-level rise and economic valuation of threatened resources**

**New Management Team Member:** *Find a new member of the Management Team who can bring expertise around socioeconomic topics.*
Funding Source:
Duration: n/a
Funding Amount:
Project Lead: Renee Collini
Additional Personnel:
Outputs: 1) New team member with an expertise in socioeconomics

**Identify Current Efforts to ID Socioeconomic Cost of Not Adapting:** *Understand existing efforts to describe, research, or understand this topic.*
Funding Source:
Duration: n/a
Funding Amount:
Project Lead: Renee Collini
Additional Personnel: New Management Team Member
Outputs:
**Other Gaps and Needs**

**RESTORE Data Collection:** *Continues long-term salinity data collection across a fresh to open-ocean system & begins water level collection in the middle of Mobile Bay*

Funding Source: NOAA RESTORE Science Program  
Duration: July 2017 - June 2020  
Funding Amount: $720,000  
Project Lead: Renee Collini  
Additional Personnel: Hunter King, Diana Marchant, Brian Dzwonkowski, Grace Gray  
Outputs: 1) Long-term salinity data and real-time monitoring, 2) Continued long-term water level monitoring at Dauphin Island, 3) Newly collected water level data at Middle Bay Lighthouse  
Gap or Need: Priority data need saltwater intrusion monitoring and research on saltwater intrusion impacts on habitat

**Communication Materials and Methods:** *Encourages awareness of ongoing sea-level rise activities in the northern Gulf of Mexico and collaboration across disciplines and organizations.*

Funding Source: Mississippi-Alabama Sea Grant Consortium  
Duration: n/a  
Funding Amount:  
Project Lead: Renee Collini  
Additional Personnel: Mikaela Heming, Casey Fulford  
Outputs: 1) Newsletter, 2) Twitter, 3) Partner Calls, 4) Research Gate, 5) Website  
Gap or Need: Improved communication between management and researchers to ensure that both have needs being met

**Partnership Building:** *Continuing to engage new partners in a variety of mechanisms*

Funding Source:  
Duration:  
Funding Amount:  
Project Lead: Renee Collini  
Additional Personnel: All partners  
Outputs: Expanded partnership  
Gap or Need: