

## 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.*

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### 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**

**NGOM+N2E2:** *New EESLR project understanding how NNBFs mitigate surge and nuisance flooding with SLR, including the economic benefits.*

Funding Source: NOAA NCCOS

Duration: December 2016 - November 2020

Funding Amount: \$160,000 (Cooperative); \$1,200,000 overall

Project Lead: Scott Hagen

Additional Personnel: Renee Collini, Matt Bilskie, Karim Alizad, David Kidwell, Trevor Meckley

Outputs: 1) Natural resource manager and restoration specialist input on needs around SLR information, 2) Data layers from the research project, 3) Dissemination products – TBD

**RCRG 2017:** *Helping communities address fiscal and communication barriers to integrating SLR resilience into planning*

Funding Source: NOAA OCM

Duration: Oct 2017 - Sep 2020

Funding Amount: \$496,285

Project Lead: Renee Collini

Additional Personnel: Mikaela Heming, Casey Fulford

Outputs: 1) 15 Case Study Videos, 2) Topical Videos, 3) Small Grants Competition

**GOMA Videos:** *Coordinating the development of case study videos around communities being resilient in the Gulf of Mexico.*

Funding Source: GOMA

Duration: Oct 2017 - Aug 2018

Funding Amount: \$15,000

Project Lead: Renee Collini

Additional Personnel: Casey Fulford

Outputs: 1) Case study videos based on previous Resilience Team funding

**SLR Scenarios Two Pager:** *Development of a user-friendly approach for finding and disseminating data from recently updated regional SLR scenarios.*

Funding Source: None

Duration: n/a

Funding Amount: none

Project Lead: Renee Collini

Additional Personnel: Casey Fulford, Audra Luscher, Colleen Roche, Billy Sweet, Marian Hanisko, Chris Weaver, Doug Marcy, Katy Hintzen, Sarah Spiegler, Taryn Sudol

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:

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## 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: