



## ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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### Response Summary:

An introductory training was held for G2CRM. The training went over the operation of the new model to calculate the net benefit of different coastal storm damage reduction measures.

### Period of Performance:

3-4-19-3-8-19

### Benefits of the Response to the USACE Dredging/Navigation Program:

G2CRM will allow for the quantification of the value of a flood barrier for coastal projects. The protection of infrastructure around inlets will allow for quantifying the possible damages to ports in storm events. The model will allow for a cost benefit analysis of various infrastructure crucial to ports around the United States.

### Deliverable:

A workshop was held to train new users on the operation of a probabilistic life cycle analysis model to quantify the damages reduced by a storm surge barrier or a seawall. The workshop allowed the district users to kickstart multiple supplemental studies.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers  
Operations and Maintenance navigation and dredging missions