

Ecological Function of Coastal Salt Marshes in Response to Sea Level Rise

The U.S. Army Corps of Engineers, Engineering Research and Development Center (USACE-ERDC) invites you to attend and participate in a summer webinar series on:

Ecological Function of Coastal Salt Marshes in Response to Sea Level Rise.

The series will include three webinars, each will be focused on a specific challenge of the response to sea level rise and will include several case studies to highlight the topic. Each webinar will also include a general discussion to identify lessons-learned and potential research and/or collaboration opportunities for the topic. Case studies include the Narrow River, RI; Seal Beach, CA; and Avalon, NJ. The webinars are described below:

Webinar 1: How do we determine if a salt marsh is at-risk due to Sea Level Rise: Indicators, Metrics, and Measurements?

Date/Time: July 27, 11AM-12:30PM (PDT);

Topic: How do we determine if a marsh is in decline? What are the signs of fresh-water drowning? How do we measure relative SLR? What are the metrics (subsidence, deposition, ocean temperature thermal expansion)? Are we 'loving marshes to death'?

Webinar 2: How to Develop Design Criteria that lead to a Responsible Action for a Distressed Marsh?

Date/Time: August 18, 2016, 11AM-12:30PM (PDT);

Topic: What are the metrics that produce a successful design? How do we measure the success of an action? Are there regional specific metrics?

Webinar 3: Responsible Actions for a Distressed Salt Marsh due to Sea Level Rise.

Date/Time: September 20 (tentative), 11AM-12:30PM (PDT);

Topics: What are potential passive responses? What are potential active responses? How do we permit an action? How do we evaluate constructability?

Webinar Access:

USA Toll Free: 888-273-3658 Access Code: 2069467; Security Code: 4321

Web Meeting Address: <https://www.webmeeting.att.com>

Meeting Number(s): 8882733658 Access Code: 2069467

When you log in online to the actual webinar via AT&T, please list your name, agency/company, and office (Example John Childs, USACE-ERDC EL). The first time you use the Web Meeting Service, you will need to download the client software. Web Meeting HELP & Software Downloads can be found at: <https://www.webmeeting.att.com>

Thank you,
John L. Childs, P.E.
Research Civil Engineer
U.S. Army Corps of Engineers

Webinar 2 Agenda: How do we determine if a salt marsh is at-risk due to Sea Level Rise: Indicators, Metrics, and Measurements?

Date/Time: August 18, 11AM-12:30PM (PDT)

Welcome to the Webinar Series: John Childs, USACE—ERDC

Research *Statement of Need*: Larry Oliver, USACE, NAE

Ecosystem Management and Restoration Research Program (EMRRP):

Elizabeth Murray, USACE-ERDC

Case Study 1: Jennifer White, U.S. Fish and Wildlife Service, Hurricane Sandy Resiliency Coordinator. *Rhode Island Complex Coastal Restoration.*

Case Study 2: Metthea Yepsen, The Nature Conservancy, Coastal Projects Manager. *Beneficial Use of Dredged Material to Restore Salt Marshes, Avalon, New Jersey*

Case Study 3: Kirk Gilligan, U.S. Fish and Wildlife Service, Refuge Manager - Seal Beach National Wildlife Refuge. *Seal Beach NWR Thin-layer Salt Marsh Sediment Augmentation project*

Topic Discussion: How to Develop Design Criteria that lead to a Responsible Action for a Distressed Marsh? What are the metrics that produce a successful design? How do we measure the success of an action? Are there regional specific metrics?

Webinar Access:

USA Toll Free: 888-273-3658 Access Code: 2069467; Security Code: 4321

Web Meeting Address: <https://www.webmeeting.att.com>

Meeting Number(s): 8882733658 Access Code: 2069467

Webinar will be recorded and available at: <http://cw-environment.usace.army.mil/exchange.cfm?option=ArchiveSchedule&CoP=Env>