Welcome to the 1ˢᵗ CMS Webinar!
Coastal Modeling System Basics

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Jim Walker
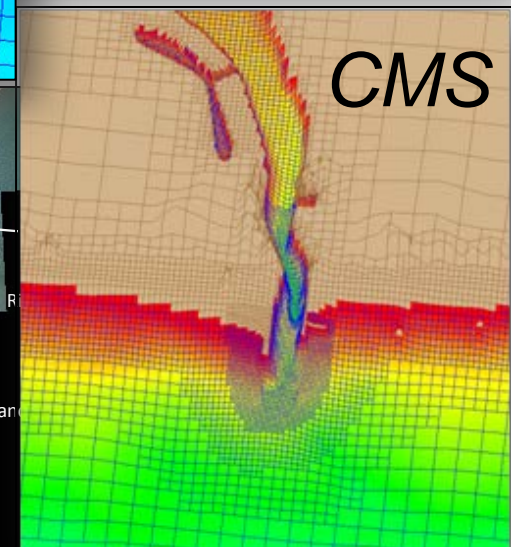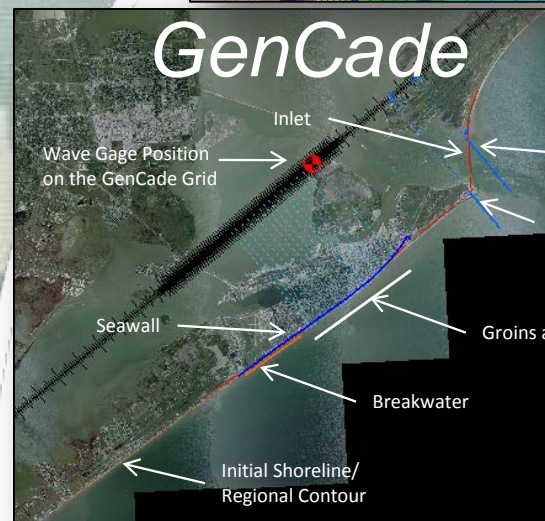HQ Navigation Business Line Manager

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US Army Corps of Engineers
BUILDING STRONG®

CIRP
Mission Support
Technology Transfer
Research & Development

GenCade

Wave Gage Position on the GenCade Grid
Inlet
Seawall
Breakwater
Groins an...
Initial Shoreline/
Regional Contour

CMS

Webinar Tips and Access to Files
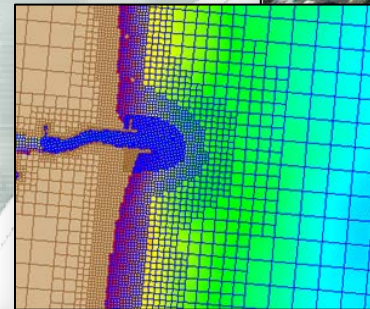
Webinar will be mostly presentation, demonstration and some question/answer.

- Audio available through computer speakers only.
- All attendees' microphones will be muted.
- Attendees can raise their hand and type in a question.
  - There will be 1-2 other CIRP staff to assist with answering questions during the webinar.
- Instructor may use extra time (if any) to go back over some topics.
- Instructor audio will be recorded and made available at the webpage listed below.

Workshop Agenda

11 June 2012 - Day 1
- Introduction to SMS interface
- Introduction to the Coastal Modeling System (CMS)
- Working with Bathymetry (multiple surveys)

12 June 2012 - Day 2
- Conclude Working with Bathymetry (multiple surveys)
- Creating CMS-Flow grids (Variable)
- Creating CMS-Flow grids (Telescoping)

13 June 2012 - Day 3
- Conclude Creating CMS-Flow grids (Telescoping)
- Boundary Conditions
- Model Parameters and Model Check

14 June 2012 - Day 4
- Creating CMS-Wave grids (Variable only)
- Creating Wave Spectra from bulk criteria
- Importing Wave Spectra information from Wave Gauge/Buoy

15 June 2012 - Day 5
- Steering
- Validation (Comparison with Measurements)
- Post-processing

Webinar Instructor and Facilitators

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CIRP website: http://cirp.usace.army.mil

CIRP wiki:
http://cirpwiki.info/wiki/Main_Page

Coastal and Hydraulics Laboratory

Reduce O&M costs at coastal navigation projects

- Develop PC tools to support O&M practice

- Transfer technology and products

Tools and Models:
CMS, CPT, CSMART,
GenCade, Inlet Res Model,
RMAP, Shoaling Toolbox,
CMS pre/post processing tools

Tech Transfer:
Webinars, Workshops, Website,
Wiki, Mobile apps, Video clips,
TRs, TNs, JPs

Mission Support

Technology Transfer

CIRP

Research & Development

R&D: *Berm migration, Mixed-grain sediment transport,*
Long-term morphology change, Sand sharing relationships for inlets

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