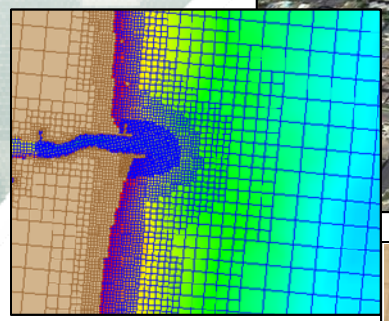
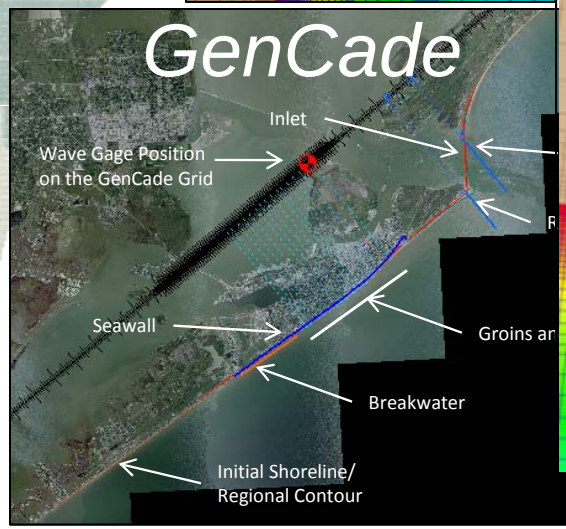
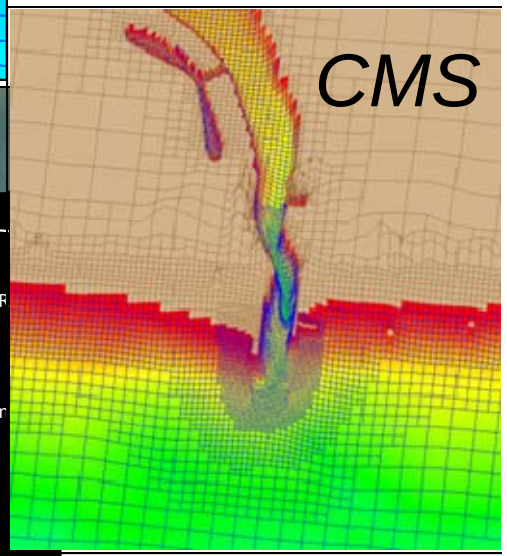
CIRP Web Tools

CIRP PIs







US Army Corps of Engineers
BUILDING STRONG®

Vision

- Suite of web-accessible tools to access existing engineering and geospatial databases to facilitate:
  - Visualizing data and information
  - Creating report-quality graphics
  - Simple calculations
  - Re-formatting data for use in numerical models
  - Seamless linking to other products

Shoaling Toolbox*
Inlets Online
Berms Online*
Bermalator*
Inlet Reservoir Model*
Sediment Budget Analysis System*

WaveNet*
GeoDat**
Geospatial Data Management & Analysis Tool
MetOcnDat**
Metocean Data Access & Analysis

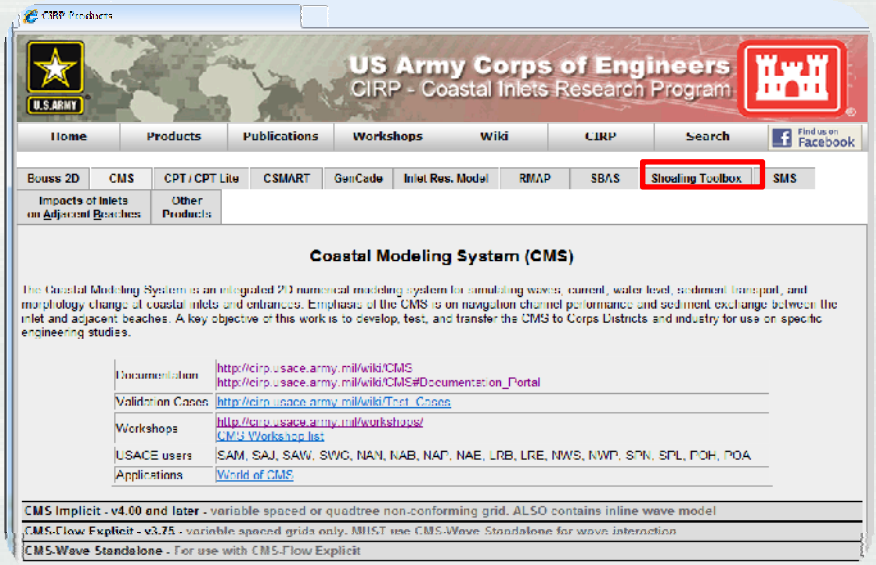
+

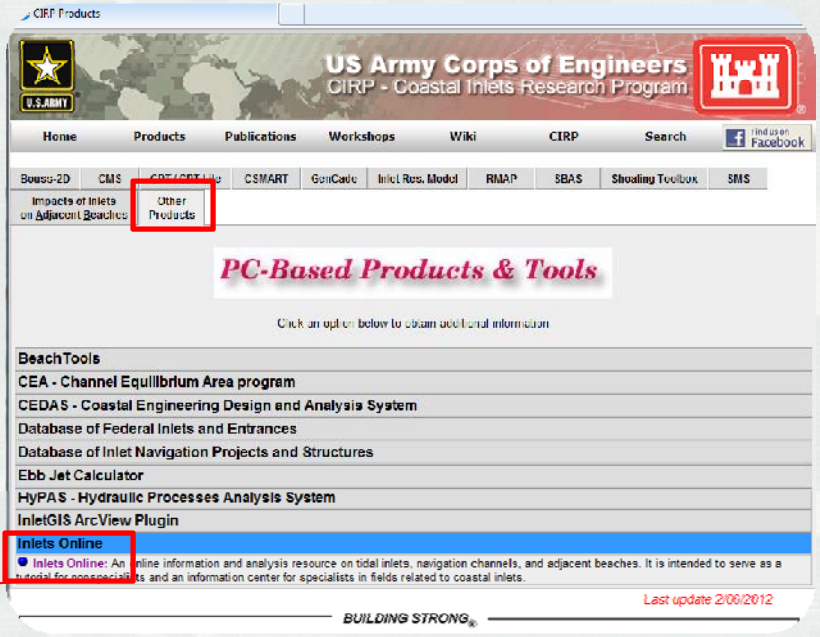
* In development

** Out-years; FY13+

Existing Web Tools

All accessible via CIRP website under Products





CPT and CSMART are decision-support web tools to query databases to intercompare navigation channel and vessel transit data (CPT) and coastal structures (CSMART)

*Berms Online**

**Jointly supported by CIRP and RSM*

WaveNet, GeoNet, and MetNet

- GeoDat – Geospatial Data Management & Analysis
  - Access, extract, visualize, reformat and analyze data for use in project planning, design, and numerical models
    - Bathymetry, shoreline, structures, navigation channel framework, coastal infrastructure, reefs, land elevation and city and urban area building data
  - Data sources include NOAA, USACE, ERDC, USGS, and others
- MetOcnDat – MetOcean Data Access & Analysis
  - Access, extract, visualize, reformat and analyze data for use in project planning, design, and numerical models
    - Wind, wave, tide (water level and current) and river discharge
    - WaveNet is the first piece of the MetDat tool
      - ▷ Video clip will be shown next
  - Data sources include Navy, Air Force, NOAA, CDIP, USGS, FRF, WIS, and others

WavNet Video Clip

by Dr. Derek Wilson, WavNet developer