Session H

Application of CEDAS to Inlet Environments

Presented by

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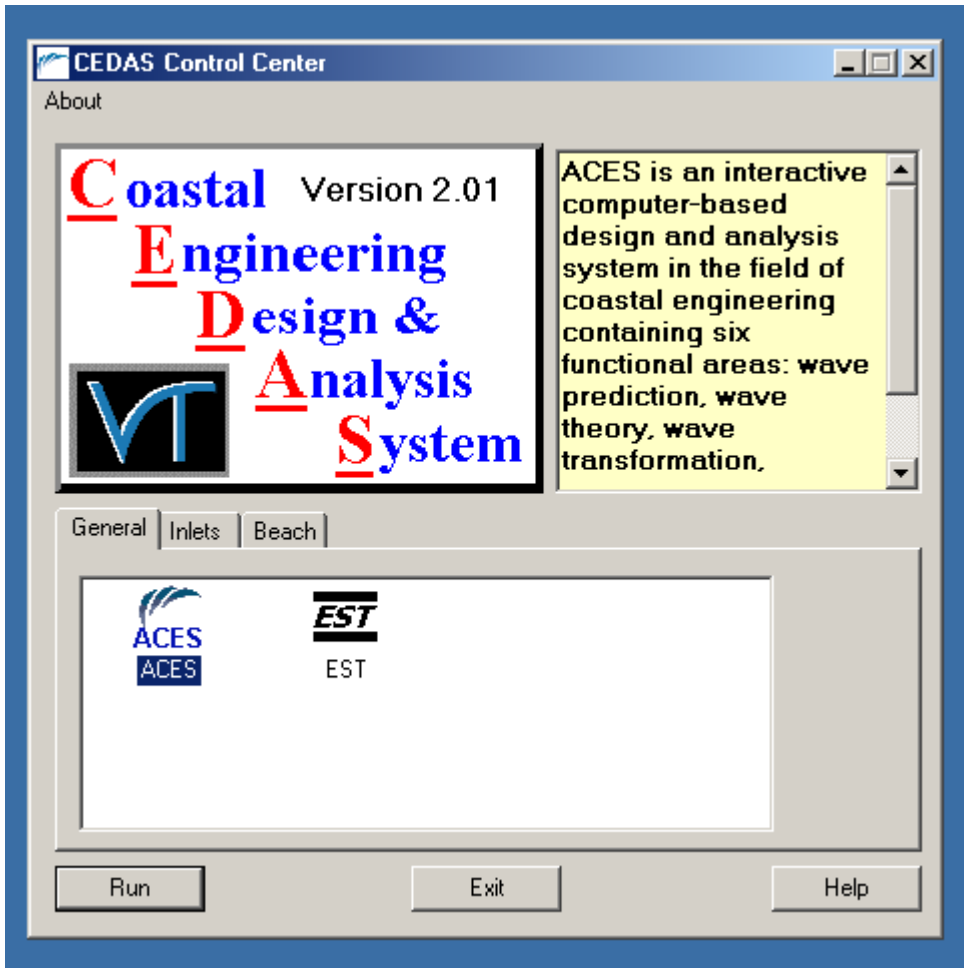
CEDAS Overview

Partnership between Veri-Tech and ERDC

- Cooperative Research & Development Agreement (CRDA) signed 9/11/1997
- Enhance / commercialize model and technical manual technology
- Product agreements to date:
  - → StreamBank Stabilization Handbook
  - → CEDAS
  - → CEM
  - → CEES – Educational Program

CEDAS Overview



CEDAS Control Center permits access to Modules and Models

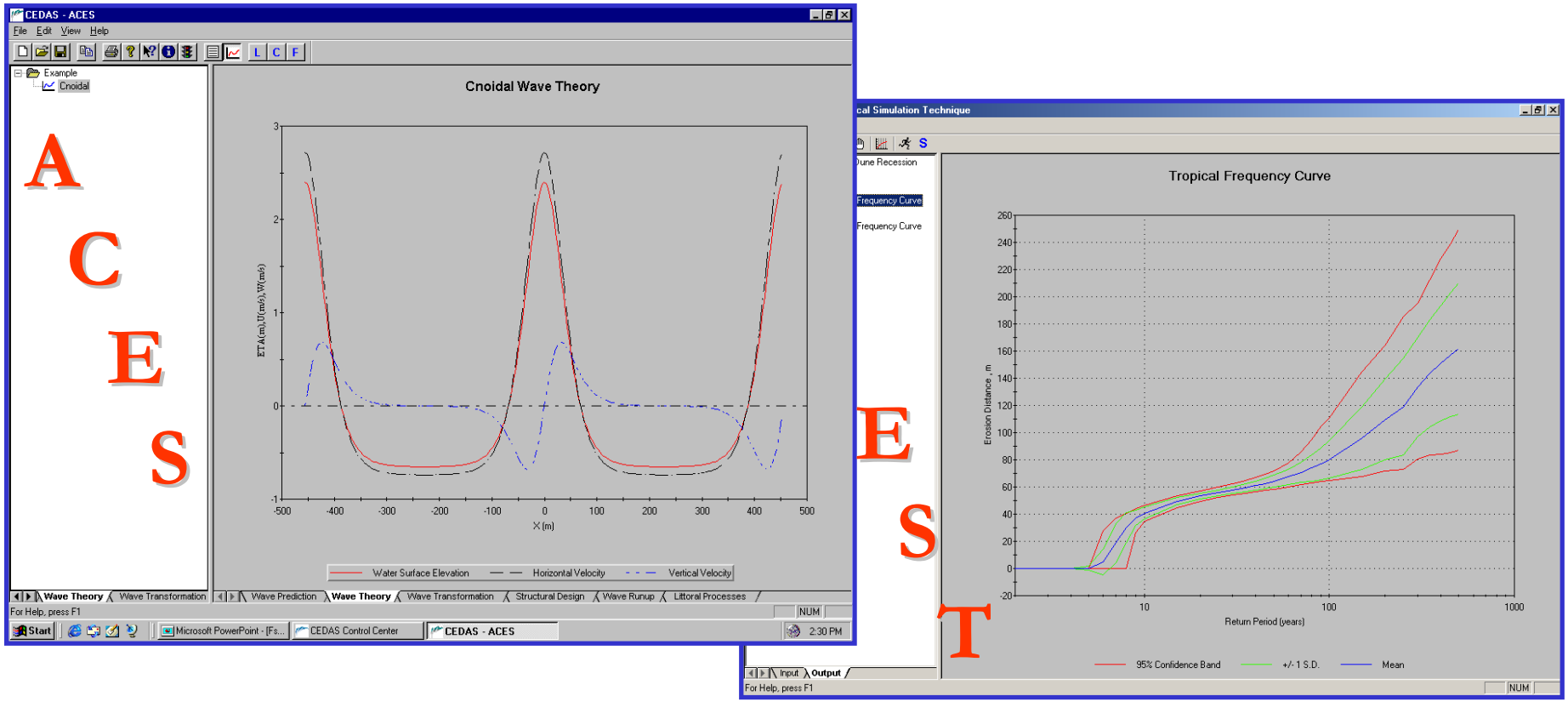
Description of selected model appears in upper right window

HELP files give system overview

CEDAS Overview

Modules	Models
General Engineering	ACES - 34 codes Empirical Simulation Technique
Inlets	SBAS – New version released with CEM DYNLET NMLong-CW
Beach	NEMOS - 11 codes SBEACH BMAP

General Engineering Module



Inlets Module

S

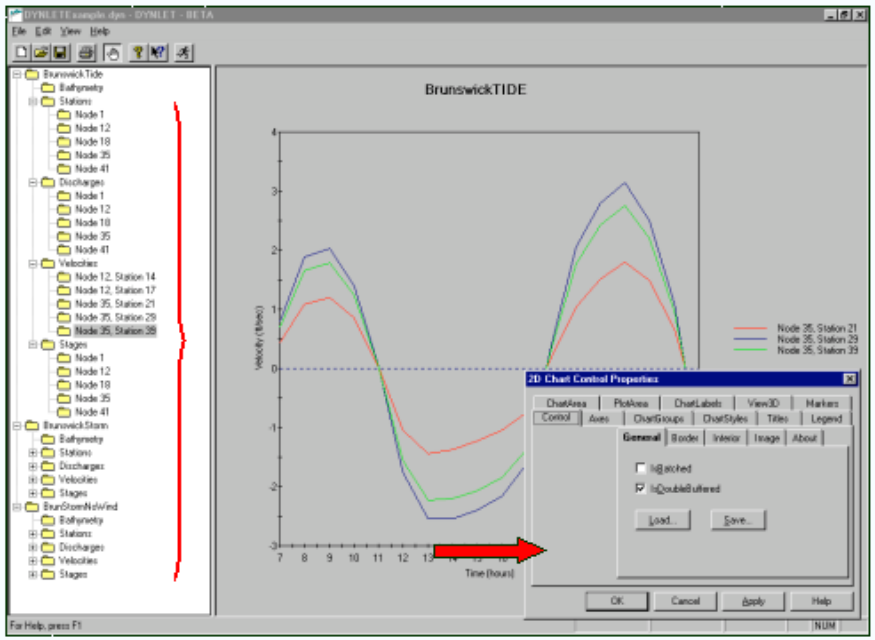
B

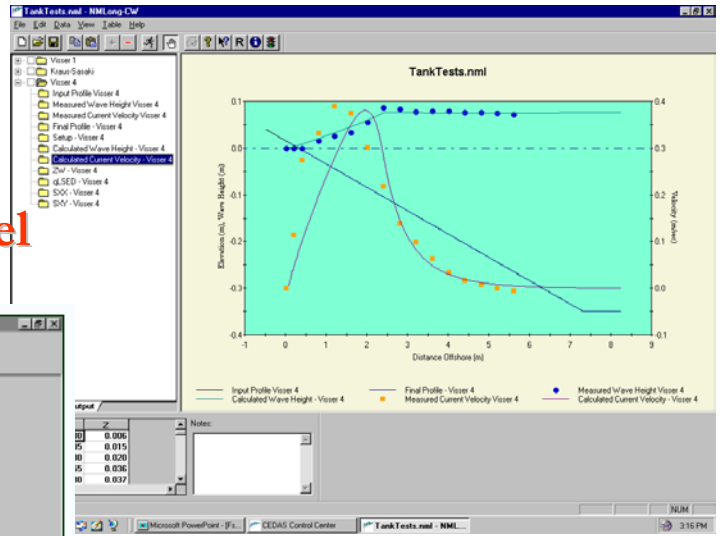
A

S

DYNLET

a powerful 1-D hydrodynamic model



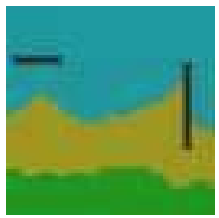


NMLong-CW

- wave height
- longshore current
- wave-current interaction
- sediment transport

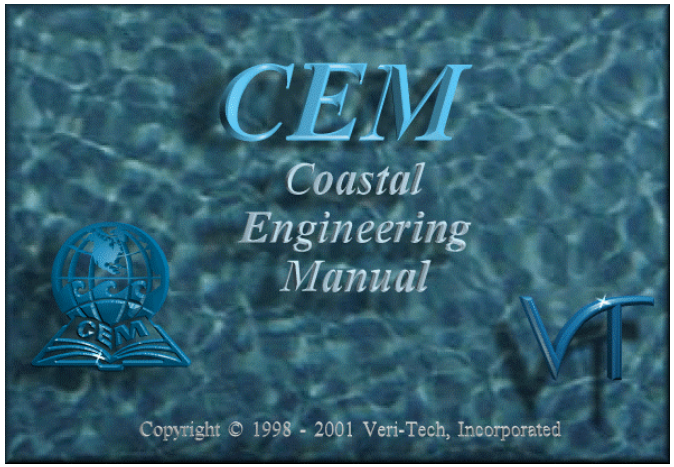
Beach Processes Module

- **BMAP**
- **SBEACH**
- **NEMOS**
  - *GENESIS*
  - *GENESIS/T*
  - *STWAVE*
  - *RCPWAVE*
  - *Toolbox*



NEMOS

Coastal Engineering Manual



Replacement for the

Shore Protection Manual

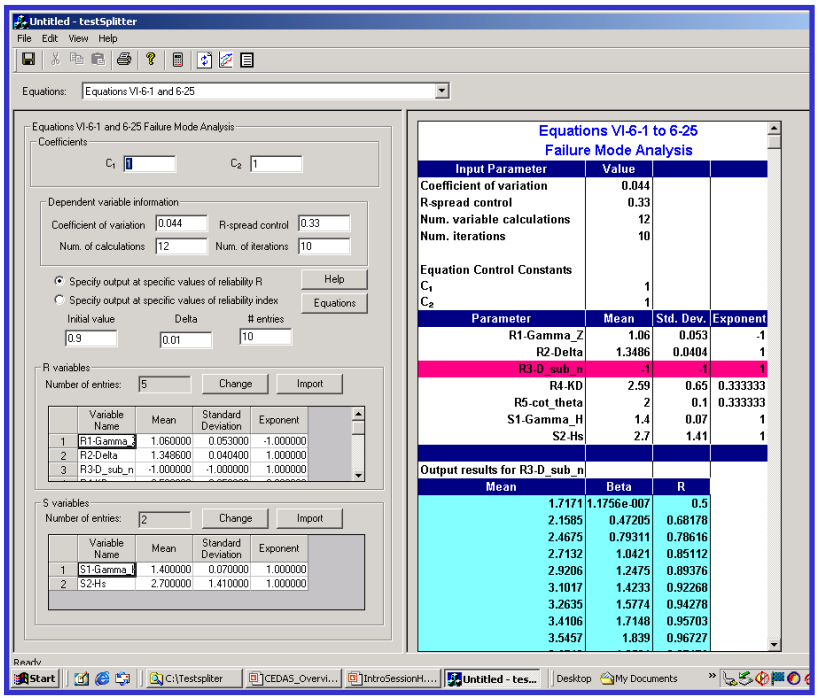
Interactive CEM
Now Available on CD-ROM

Version 1.01 - General Introduction, Coastal Hydrodynamics, Coastal Sediment Processes, Coastal Geology, and Glossary

Coastal Engineering Manual

Coming this summer →→

- Part V – Coastal Project Planning & Design
- Part VI – Design of Coastal Project Elements



- Powerful codes
- Spreadsheet formats
- Graphics
- Import / Export
- Design it with a MOUSE!