

EFDC_Explorer7.1 - Level 2 Training Course Agenda

Coastal Modeling

July 14-15 2014 – Ho Hai University, Nanjing, China

Note that this training course is Level 2 and assumes a basic understanding of the EFDC_DSI / EFDC_Explorer Modeling System. Those people who wish to participate that have never used EFDC_Explorer are encouraged to work through the online video tutorials and example models available on our website.

Coastal Modeling

Day 1 – Session 1	Coastal Modeling Principles
Day 1 – Session 2	Build Coastal Estuary Model Grid with CVLGrid Hands On – Coastal Estuary Model - Hydrodynamics
Lunch Break	
Day 1 – Session 3	Hands On – Coastal Estuary Model – Wave Module
Day 1 – Session 4	Hands On – Coastal Estuary Model – Sediment Transport

Water Quality Modeling

Day 2 – Session 1	Hands On – Coastal Estuary Model – LPT and Oil Spill Modeling
Day 2 – Session 2	Introduction to EFDC Water Quality Capabilities (as time permits)
Lunch Break	
Day 2 – Session 3	Introduction to EFDC Water Quality Capabilities (as time permits)
Day 2 – Session 4	Overview of New Features in EE7.2 Question and Answer Time

EFDC_Explorer – Level 2 Training Course Objectives

Objective 1: Overview of EFDC_Explorer7.1 Coastal Modeling Capabilities

- Overview of Harmonic Boundary Series Settings in EE and EFDC
- Methods for Setting Harmonics in EE
- Wind wave options in EE and EFDC
- Example Coastal Model Setup
- Lagrangian Particle Tracking Functionality

Objective3: Overview of EFDC_Explorer7.1 Calibration Tools

- Use EFDC_Explorer for pre- & post – processing
- Capabilities of EFDC_DSI & EFDC_Explorer for Calibration
- Model calibration & validation

Objective 4: Hands on Modeling Practice

- Hands on with EFDC_Explorer and EFDC_DSI
- Creating a model grid with CVLGrid
- Creating a new model in EFDC_Explorer
- Providing solutions to user problems

For more information please contact us at: ee_training@ds-intl.biz