



LITTORAL PROCESSES FM

Modelling longshore sediment transport and coastline evolution in 1D

The aim of this two-day, hands-on course is to provide you with an understanding of how to establish a morphological baseline and estimate the overall coastline evolution in areas represented by quasi-uniform depth contours.

LITTORAL PROCESSES FM is a numerical model capable of simulating littoral drift and coastline evolution in areas with noncohesive sediment and quasi-uniform beaches in which the flow and transport can be assumed to be primarily in the longshore direction.

The model can be used for studies regarding sediment budgets, morphological baseline and the impact of coastal works.

COURSE TOPICS

- Introduction to littoral process modelling
- Sediment transport calculations
- Setting up littoral drift models
- Establishing morphological baseline
- Setting up sediment transport tables
- Setting up simple coastline evolution model
- Shoreline evolution with structures
- Result viewing and presentation
- Walk-through of model examples
- Hands-on exercises

TARGET GROUP AND PREREQUISITES

Professionals in the fields of shoreline management and planning of coastal development schemes.

Participants should preferably have a background in sediment transport and a good understanding of the coastal processes. It is an advantage but no condition that participants have followed the course 'MIKE 21 ST FM - Sand transport using flexible mesh' prior to the course.

THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training - face-2-face as well as online.

MIKE Powered by DHI courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

Thematic courses allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

Our trainers are experienced professionals, many of whom are recognised international experts in their fields. The use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

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