Registration at opencoasts.lnec.pt/index_en.php

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OPENCoastS e-Tutorial:

from processes knowledge to on-demand circulation forecasts

13 of December 2018

EOSC-hub

eosc-hub.eu

opencoasts.ncg.ingrid.pt

Goal:

- Introduce OPENCoastS, an innovative and free platform to generate on-demand forecasts
- Empower potential users by providing an introduction to the relevant physical processes, the numerical model SCHISM and unstructured grid generation
- Minimize the learning effort by a step-by-step tutorial on the use of OPENCoastS

Course platforms

- Colibri platform
  - Registration compulsory, limited number of participants
  - Link provided on registration confirmation
- On-site participants
  - Registration compulsory, limited number of participants:

Sites:

- LNEC, conference room 2
- University of Cantabria (UC), Civil Engineering School, classroom 25
- CNRS/University of La Rochelle (UR)
- Web streaming
  Link provided at opencoasts.lnec.pt

Program (all hours are CET):

Morning: 10:00-13:15

Welcome and quick explanation on the course (LNEC)
T1 - Coastal processes (UC)
10 min break
T2 - Understanding and using Model SCHISM (CNRS/UR)
T3 - Generation of triangular finite element grids for coastal models (LNEC)

Lunch break

Afternoon: 15:00-17:25

T4 - Forecast systems: an overview (LNEC)
T5 - The OPENCoastS service (LNEC)
10 min break
T6 - E-infrastructures and how can we use them (LIP)
Final round of questions
Online quiz: T3-T6, Evaluation request and closure (LNEC)

For more information contact:

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The OPENCoastS service assembles on-demand circulation forecast systems for selected coastal areas and keeps them running operationally for a period defined by the user. This service generates daily forecasts of water levels and vertically averaged velocities over the region of interest for 48 hours, based on numerical simulations of the relevant physical processes.