OPENCoastS e-Tutorial:
from processes knowledge to on-demand circulation forecasts

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Registration at opencoasts.lnec.pt/index_en.php

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opencoasts.nrg.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)
- T2 - Forecast systems: an overview (LNEC)
- 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)
- T6 - E-infrastructures and how can we use them (LIP)
- Final round of questions
- Online quiz: T3-T6, Evaluation request and closure (LNEC)

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.

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