2ⁿᵈ OPENCoastS e-Tutorial:

build your forecast for all circulation choices

27-29 January 2021

opencoasts.ncg.ingrid.pt

EOSC-hub
eosc-hub.eu

egi

INCD Infraestrutura Nacional de Computação Distribuida

LNEC
LABORATÓRIO NACIONAL DE ENGENHARIA CIVIL

LIP

cnrs

UC UNIVERSIDAD DE CANTABRIA

Introduction

LNEC, CNRS/UR, UC and LIP are organizing a detailed course on the full capabilities of OPENCoastS between 27 and 29 of January 2021.This course covers all forecasts options and two live demos of how to use the service. A new, additional module dedicated to the IT frontend and backend of OPENCoastS for developers and system managers will be presented on the last day.

Registration

The course will be conducted by videoconference (Zoom) and broadcasted by webstreaming. Both links will be provided upon registration. Registration is mandatory both:

- for the conference at http://opencoasts.lnec.pt/index_en.php#eventos
- for the platform at https://opencoasts.ncg.ingrid.pt/register/ (new users only)

For more information contact:

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Program (all hours are CET, minus one hour for PT):

Day 1: 27 of January, 2021

OPENCoastS Users' Training: First part: Overview of background coastal topics

9:45	Welcome and quick explanation on the course *(Anabela Oliveira - LNEC)*
10:00	T1 - Coastal processes *(Sonia Castanedo, Fernando Méndez - UC)*
10:30	T2 - Baroclinic circulation: overview of 3D coastal processes *(Marta Rodrigues - LNEC)*
11:00	T3 - Understanding and using Model SCHISM *(Xavier Bertin, Laura Lavaud - CNRS/UR)*
11:30	"Coffee" break
11:45	T4 - WWM and its coupling with SCHISM *(Xavier Bertin, Laura Lavaud - CNRS/UR)*
12:15	T5 - Generation of triangular finite element grids for coastal models *(André Fortunato - LNEC)*
12:45	End

Day 2: 28 of January, 2021

OPENCoastS Users' Training - Second part: Using OPENCoastS 2D W&C and 3D - a live demo

9:45	Welcome and reception of videoconference participants *(Alberto Azevedo - LNEC)*
10:00	T6 - Forecast systems and OPENCoastS: an overview *(Anabela Oliveira, Alberto Azevedo - LNEC)*
10:30	T7 - Using OPENCoastS to generate 2D & 2D waves and currents forecasts *(André Fortunato, Alberto Azevedo - LNEC)*
11:15	"Coffee" break
11:30	T8 - Using OPENCoastS to generate 3D forecasts *(Marta Rodrigues, André Fortunato - LNEC)*
12:00	T9 - Using the OPENCoastS viewer *(Marta Rodrigues, André Fortunato - LNEC)*
12:30	Closure of OPENCoastS Users' training and Evaluation request *(Anabela Oliveira, Alberto Azevedo - LNEC)*
13:00	End

Day 3: 29 of January, 2021

OPENCoastS Developer's training

9:45	Welcome and reception of videoconference participants *(Gonçalo Jesus - LNEC)*
10:00	T10 - Frontend: concept, software and implementation *(Gonçalo Jesus, João Rogeiro - LNEC)*
11:00	"Coffee" break
11:15	T11 - The back-end of OPENCoastS: WIFF and OPENCoastS implementation *(Gonçalo Jesus, João Rogeiro - LNEC)*
12:15	T12 - EOSC E-infrastructures and how can we use them *(Samuel Bernardo - LIP)*
12:45	Closure of OPENCoastS Developers' training and Evaluation request *(Anabela Oliveira, Gonçalo Jesus - LNEC)*

Funding