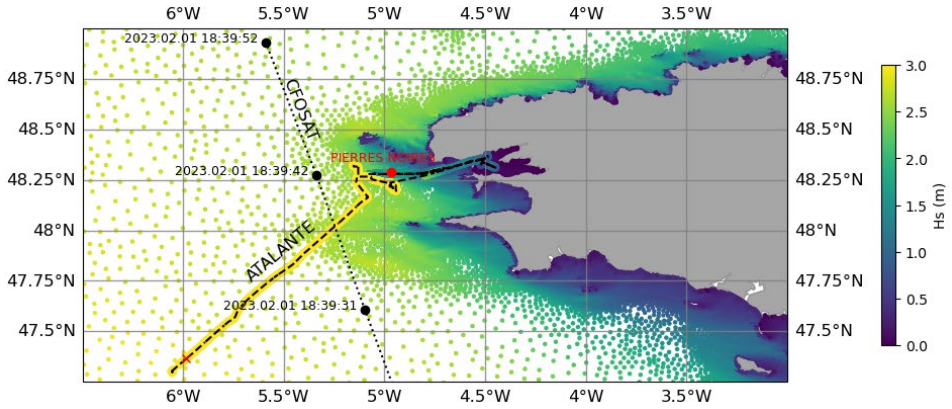
Short course

TRAINING COURSE 2025 : OBSERVING AND MODELING OCEAN WAVES WITH WAVEWATCH-III®



DATES
From November 20 to 26, 2025

OVERVIEW

During this training course you will learn about recent developments in the wave model WAVEWATCH-III® which contains contributions from NOAA, UKMET, USACE, IFREMER and many people across the world. This modeling framework now allows a wide range of applications from the global ocean to the beach scale thanks to a wider range of choices for numerical schemes and parameterizations of physical processes.

AIMS AND SCOPE

> Provide the context of wave modeling
> Learn how to use WAVEWATCH-III framework
> Create multiple grids and run the model with various inputs and outputs
> Assess the model performances against insitu and remote sensing data
> Analyze wave spectra from model outputs and insitu measurements
> Make some model sensivity analysis

TARGET AUDIENCE

It is intended for graduate students, post-docs, researchers, engineers or consultant that are dealing with ocean wave data.

PROGRAM

The program will contain the following subjects. The detailed program is subject to minor changes.
> Wave modeling context
> WAVEWATCH-III framework
> Grid generation
> Model inputs and outputs
> Model implementation
> Results validation
> Wave spectra analysis
> Model sensivity analysis
More informations: https://gitlab.ifremer.fr/wave/Training/-/wikis/WW3-2025

Course completion

At the end of the training, the trainees obtain a certificate proving their participation. Individual attainment of training objectives will be measured via the training evaluation survey.

Teaching methods

> This training course takes place at IFREMER
> The training room is equipped with computers with all software required
> There is free wifi access
> To make this training course more interactive, poster sessions are organized to discuss participants works and projects related to ocean waves

ACADEMIC LEAD

> **Mickael ACCENSI**, Wave modeling engineer, *Laboratory of Ocean Physics & Satellite remote sensing - IFREMER*

TRAINERS

The trainers for lectures and tutorials are :
> Fabrice ARDHUIN, Senior Research Scientist, *Laboratory of Ocean Physics & Satellite remote sensing - CNRS*
> Mickael ACCENSI, Wave Modeling Engineer, *Laboratory of Ocean Physics & Satellite remote sensing - IFREMER*
> Guillaume DODET, Research Scientist, *Laboratory of Ocean Physics & Satellite remote sensing - IFREMER*

PRACTICAL INFORMATION

Duration
32h30 spread over 5 days

Dates
Start : November 20, 2025
End : November 26, 2025

Location
IFREMER
1625 Route de Sainte-Anne, 29280 Plouzané
Ocean Meeting Room
GPS : 48.3567N, 4.5587W

Fees
Professional rate : 800€
Academic rate : 400€

REGISTRATION

> To subscribe to this training course, please fill in the form below
> Your participation confirmation will then be sent by mail

Online registration: **https://enquetes.univ-brest.fr/limesurvey/index.php/148872?lang=en**

ACCESSIBILITY

UBO's reception and access conditions for people with disabilities :
The university has a disability office called " Service d'Accompagnement des Spécificités (SAS)" dedicated to all member of its community.
You need further information? Please contact the continuing education and work-study disability adviser as soon as you start your registration procedures : +33 (0)2 98 01 80 42 / handicap.referentfc@univ-brest.fr

CONTACTS

Service Universitaire de Formation Continue et d'Alternance (SUFCA)
Address : 20 avenue Victor le Gorgeu - CS 93837 - 29238 Brest cedex 3
Phone : 02 98 01 80 58 - EMail : fc-mer@univ-brest.fr - Website : www.univ-brest.fr/fc

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