

Irene Laiz - University of Cadiz


Theory lessons (6h)

Harmful Algal Blooms (HABs) Optical Oceanography Ocean colour Remote Sensing Remote sensing techniques


Computer workshops (9h)

Introduction to Bilko Study of an algal bloom event Analysis of chlorophyll remote sensing images


## Questionnaires

Questionnaires to evaluate the results obtained. ECTS

## You can apply now!

Be part of this innovative learning experience, an intensive course shared with students from 6 universities
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## INTENSIVE COURSE

## INTRODUCTION TO THE MONITORING OF ALGAL BLOOMS WITH REMOTE SENSING

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## PROGRAMME

THEORYLESSON 1 (ONLINE-ASYNCHRONOUS): 19/04/21
-INTRODUCTION TO HARMFUL ALGAL BLOOMS (HABS)

- MECHANISMS RESPONSIBLEFOR HABS
-CLIMATE CHANGEAND HABS
THEORY LESSON 2 (ONLINE-ASYNCHRONOUS): $20 / 04 / 21$
- OPTICAL OCEANOGRAPHY
- CLASSIFICATION SCHEMES OF WATER TYPES
-INTRODUCTION TO OCEAN COLOUR REMOTE SENSING
-DATA PROCESSING LEVELS
-OCEAN COLOUR SENSORS
-REMOTE SENSING TECHNIQUES FOR MONITORINGHABS
QUESTIONNAIRE 1 (ONLINE): $20 / 04 / 21$
-QUESTIONNAIRE TO EVALUATE THE THEORY KNOWLEDGE ACQUIRED.

COMPUTER WORKSHOP 1 (ONLINE-ASYNCHRONOUS): 21/04/21 -INTRODUCTION TO BILKO TO ANALYSEOCEAN COLOUR REMOTE SENSING IMAGES (A SELF-EXPLANATORYGUIDE WILL BE PROVIDED)

QUESTIONNAIRE 2 (ONLINE): 21/04/21
-QUESTIONNAIRE TO EVALUATE THE TECHNICALSKILIS ACQUIRED WITH BILKO.

COMPUTER WORKSHOP 2 (ONLINE-ASYNCHRONOUS): 22/04/21 - ANALYSIS OF OCEAN COLOUR REMOTE SENSINGIMAGES USING BILKO TO STUDY AN ALGALBLOOM EVENTOFFTHE COAST OF NAMIBIA (A SELF-EXPLANATORY GUIDE WILLBE PROVIDED)

QUESTIONNAIRE 3 (ONLINE): 22/04/21
-QUESTIONNAIRE TO EVALUATE THE RESULTS OBTAINED WITH BILKO AND THEIR INTERPRETATION WITHIN THECONTEXTOF THE THEORYKNOWLEDGE ACQUIRED.

COMPUTER WORKSHOP 3 (ONLINE-ASYNCHRONOUS): 23/04/21 - ANALYSIS OF CHLOROPHYLL REMOTE SENSINGIMAGES WITH BILKO USING ALGORITHMS FOR DIFFERENT WATER TYPES (A SELF-EXPLANATORY GUIDE WILL BE PROVIDED).

QUESTIONNAIRE 3 (ONLINE): $23 / 04 / 21$

- QUESTIONNAIRE TO EVALUATE THE RESULTS OBTAINED WITH BILKO AND THEIR INTERPRETATION WITHIN THECONTEXT OF THE THEORY KNOWLEDGE ACQUIRED.

