

International Excellence Campus of the Sea The Sea that join us





The International Summer Schools
as HEIs internationalization drivers

Virtual meeting, 09th November 2020

Eva Mena. International project manager at CEIMAR



Outline

CEI-MAR. The International Excellence Campus of the Sea at a glance.

CEI-MAR in practice:

EIDE-MAR (the International Doctorate School in Marine studies) and the International Summer Schools **CEI-MAR** foostering the internationalization and skilling in Marine-Maritime Sciences

The case of the ISS Geotraces-Spain

CEI-MAR Summer Courses, another tool of specialization.

Organizational and Technical aspects of two ways of courses

Results of internationalization

Useful resources from the **CEI-MAR** consortium to take place in summer.



CEIMAR AT A GLANCE

7 Universities:















7 Research Centres:



- 1. CSIC: The Spanish National Research Council.
- 2.IEO: The Spanish Institute of Oceanography
- 3.IHM: Hidrographic institute of the Spanish Navy
- 4.ROA: The Spanish Navy Observatory
- 5.IFAPA: Research and training institute on Agriculture and Fishery. Regional government.
- 6. CAS-IAPH: Subaquatic Archeology Centre. Historic Heritage Institute of Andalusia.
- 7. ARQUA: The National Museum of Underwater Archaeology.

5 private sector entities at regional and national level













A common challenge

A commitment to management of the seas

CEI-MAR Foundation purposes are to motivate and promote the sustainable management throughout an academic, scientific, entrepreneurial and innovative platform and to promote education and research in different areas of specialization concerning the sea with a growing concern surrounding the deficiencies existing in the current outlook on the management of the seas at international, national and regional level.

To meet these goals **CEI-MAR** works daily towards:



Collaboration with stakeholders



Projects



Training, awareness and research



Studies abroad programmes

Within 6 main tematics areas:



Marine-maritime research



Integrated management of the sea



The sea as a source of resources



Health and Well-being from the sea



Marine-maritime engineering



The cultural value of the sea

Natural, biological, social Sciences-Engineering and Technology - Humanities- Health Sciences



EXCELLENCE OF TEACHING

INTERNATIONAL DOCTORATE **SCHOOL IN MARINE STUDIES**





4 PhD programmes:



Marine Sciences and Technologies

1 Master Degree:

International PhD

University of Ferrara:

Nautical and subaquatic Archaeology





Earth and Marine Sciences (EMAS)



More than 225 researchers

Spreading knowledge and expertise in 21 institutions at International level

Developing more than 75 joint research **Projects**

High level scientific production with more than 2,100 publications and scientific articles

200 Doctorate theses supervised

Mission: Teaching, research, innovation, KT, and dissemination



Management and

conservation of the Sea



Marine Resources



PhD in Marine Sciences and Technologies







- Biogeochemical processes in coastal and continental systems
- 2. Ocean and Earth Physics and Geodynamics
- 3. Geophysics and Geodesy
- 4. Sedimentation in marine environments
- 5. Structure and Dynamics of Aquatic Ecosystems
- Molecular and Cellular Biology, Genetics and Genomics of Marine Organisms
- 7. Microalgae Biotechnology
- Energetic and environmental efficiency and technological development of marine facilities







PhD in Management and Conservation of the Sea





4 research lines:

- 1. Biodiversity, conservation and management of species and hábitats
- 2. Anthropogenic impacts, environment protection and global climate change
- 3. Maritime transport and law, port management, logistic and International Maritime law







PhD in Maritime History and Archaeology









4 research lines:

- 1. Maritime Archaeology
- 2. Archaeometry
- 3. Maritime history
- 4. Historical and cultural landscape







PhD in Marine resources

















Nautical and subaquatic Archaeology Master Degree





2 research lines:

- 1. Subaquatic archeology
- 2. Marine-maritime history



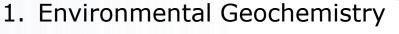




International PhD in Earth and Marine Sciences-EMAS







- 2. Mineralogy and cristal chemistry
- 3. Petrology and applied petrography
- 4. Marine geology, stratigraphy and sedimentology
- 5. Coastal dynamics and management
- 6. Geodesy and geophysics

University of Ferrara

7. Physical oceanography

University of Cadiz

- 8. Paleontology and paleoecology
- 9. Applied geology and geomorphology





EIDEMAR A GOOD TOOL FOR

AN INTERNATIONAL SPECIALIZATION

- ✓ A wide range of knowledge and expertise through the participation of an international panel of experts.
- ✓ Increase the number of international students registration specially from Latin America and Morocco, due to atractiveness of the studies
- ✓ The International joint PhD programme with the University of Ferrara.
- ✓ Interinstitutional Agreements:

 INOCAR Navy Institute of Oceanography and Antarctic_ for posgraduate courses

 The National government of Education of Argentina (fellowship)



✓ International collaboration in the frame of Erasmus+ programme





INTERNATIONAL SUMMER SCHOOLS CEIMAR



AS HEIS INTERNATIONALIZATION DRIVERS





Specialization courses offer

Coastal Management and Ocean Processes

Applied Oceanography and integral management on coastal in protected areas around the Galápagos Islands

Aquaculture in southern Europe: Basic and applied aspects

Maritime migration and human rights in the Mediterranean

The amazing world of Seaweeds: an unforgettable journey from Biology to Gastronomy

Marine Toxicology: How our Pollution is Killing Marine Life!

Origin and development of naval architecture

Data analysis methods in Oceanography

Coast tools: Building up knowledge on coastal processes: principles and techniques

Biological Marine Resources Programme

The role of microalgae biotechnology in blue & green economy





An unique training opportunity in the world on board of the school ship 'Intermares A 41'

A skilling course specialized on the biogeochemical cycles of trace metals in the oceans

International summer school within the CEIMAR consortium

7 Universities:















7 Research Centres:

















5 private sector entities at regional and national level:













International summer school Geotraces-Spain













Universidad de Cádiz









+ 120 applicants

50 hs. high level specialization

Living on board a vessel

Extraactivities agenda

Outstanding team of experts

A structure of scholarships

40 postgraduate students

From 26 countries

Organizing Committee

International summer school Geotraces-Spain 23rd-28th September 2019



General objective: give students, specialized knowledge in the study of heavy metals in the ocean.

Particular objectives of the course are:

- 1. Gaining knowledge and experience on oceanographic sampling campaigns for collection of samples for the analysis of trace metals.
- 2. Capacity building to properly select and conduct analytical strategies for the study of trace metals in marine samples.
- 3. Raise expertise on bio-geochemical cycles of metals in the ocean and their speciation.
- 4. Data management to analyse the role of trace metals in the ocean.

Contents' Schedule:

Teaching

Sampling practice

Navigation

Cultural programme: The Spanish Navy Observatory, Navantia Museum, etc.

Vessel rules of coexistence

Practical travel info

Course_Tips and final agenda





CEIMAR SUMMER COURSES ANOTHER TOOL OF SKILLING



"Mares de Andalucía"



CEI-MAR I Summer School:The Seas of Andalusia

II Summer Course CEIMAR Andalusia's coastlines

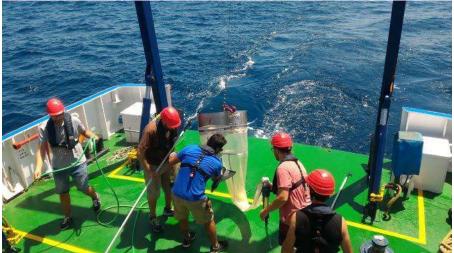
A great opportunity to share good practices and knowledge With a training and scientific oureach purpose



Research Vessel UCADIZ

- Founded in 2016 and cofinancing by the National government and CEIMAR
- Oceanography research and training vessel, measures 25 mts. in length and 7,5 mts. of beam with technical facilities for multipurpose oceanography, subaquatic archaeology and marine studies.
- It has 4 main scope of actions:
 - Ocenography seasons developed in the Gibraltar Strait, Cadiz Golf and the Alboran Sea.
 - Underwater Archaeology aimed to capitalize our submerged heritage
 - The teaching on board for bachelor, masters and PhD students in the frame of EIDEMAR
 - Scientific Summer camps addressed to secundary school students
- This vessel is a singular structure for masters and PhD students and the scientific outreach to the society. 2018/2019
- The teaching on board offers a specialization and a great opportunity that suposes a breakthrough in the scientific knowledge.







CEI-MAR I Summer School: The Seas of Andalusia 17th-26th July 2018



- An award to the best academic records of students from the Universities of Granada, Málaga and Cádiz with a total of 10 participants for each university.
- - Objectives:
 - Promoting the cooperation among academic and research institutions
 - Exchanging Knowledge and expertise
 - Sharing infraestructures and resources
 - Dissemination and outreach the culture value and the knowledge of the sea.
- Structure of the oceanographic sampling campaigns:
 - UCADIZ vessel stopovers along the 4 ports of the coastline of Andalusia.
 - Exhibition "The Sea as life and knowledge source"
 - Focused on the topics: Archaeology and subaquatic heritage, oceans challenges facing the environment risks, the costline of Andalusia, Alboran sea, operational oceanography and the situation of Strait of Gibraltar, and work in the field and laboratory.
 - Conferences of experts and specialized training.





CEI-MAR I Summer School: The Seas of Andalusia















II Summer Course CEIMAR: Andalusia's coastlines 20th-24th July 2020. Virtual

- With the participation of all CEIMAR members and stakeholders, addressed to

- Objectives:

- Promoting the knowledge of the coastline of Andalusia region with the participation of CEIMAR universities and stakeholders, addressed to academic community and the society.
- Promoting the interinstitutional collaboration making CEIMAR's slogan a reality: The sea that unites us
- Sharing the Transfer Knowledge and innovation
- Awareness campaing on the protection of our natural resources and environment.
- Structure of the summer course for each university:
 - CEIMAR coordinator Kick off sesion.
 - Conferences, Roundtables and students' participation focused on the following topics:
 - UAL: Fishery and Aquaculture in the Andalusian coasts. KT and research.
 - UCA: Maritime transport and Marine engineering. Future of the vessels and ports of Andalusia.
 - UGR: Marine bioproducts_the sinergies between the sea and health
 - UHU: The energies from the sea: energy exploitation, environmental and coastal protection
 - UMA: Maritime and Coastal Tourism





II Summer Course CEIMAR: Andalusia's coastlines 20th-24th July 2020. Virtual

Interdisciplinary knowledge

Great impact and dissemination



Active participation of students

Sinergies among stakeholders 25 hs. of training and expertise

+200 participants



Organizational and Technical aspects of two kind of courses

Addressed to students



Organizing committee the game's rules

Collaboration agreements and commiments

Dates, venue, and other specificities

Call basis for candidates: structure and requirements

The funding structure: financial support, grants and

fellowships and compabilities

Insurance policy

Accomodation and menus

Dissemination of the course

Selection process

The programme of contents and practices

The panel of experts

Recognition system

Other aspects: permissions, visa, rules of

convivence, practical travel info.

DURING

Incidents solve

Attendance list

Merchandise

Gathering presentetations, etc.

AFTER

Certificates

Exams/tests

Quality and satisfaction survey

Monitoring plan





Call for applicants' structure

- Subject
- Requirements of applicants
- Tuition fees (scholarship if so) and the payment procedure
- **Application process and annexes**
- Selection process: requirements and criteria
- Applications evaluation and resolution
- Justification of the scholarships, if existing
- Obligations and rights of the beneficiaries
- Appeal against the call
- 10. Gender perspective
- 11. Acceptance of privacy policy (GDPR consent)
- 12. Entry into in force
- 13. Contact details















CALL FOR ATTENDANCE TO THE INTERNATIONAL SUMMER SCHOOL GEOTRACES SPAIN

1. Subject

The purpose of the call is the participation in the International Summer Summer School GEOTRACES SPAIN, which will take place from September 23rd to 28th, 2019 in Cádiz, on board the School Ship Intermares A- 41, in collaboration with the Ministry of Defence and the General Secretary of Fisheries of the Ministry of Agriculture, Fisheries and Food of the Government of Spain.

The summer school is organized by the International GEOTRACES program, the University of Cádiz (UCA), the Andalusian Institute of Marine Sciences of the Spanish National Research Council (ICMAN-CSIC), and the International Campus of Excellence of the Sea (CEI·MAR); with funding from the Scientific Committee on Oceanic Research (SCOR), GEOTRACES, the General CSIC Foundation, the International Doctorate School of Marine Studies (EIDEMAR), and CEI·MAR.



Application form

- 1. Personal data
- 2. Studies level/cycle of studies
- 3. Short description of the motivation to participate in the training
- 4. Brief CV or short description of the research experience and current lines of research/recomendation letter from their institution.
- 5. Short description of motivation to participate in the training.
- 6. Gathering special requirements (health, diet, other special mention)
- 7. Annexes (ID card or Passport, visa, degree, qualificationCV, cover letter, research abstract, etc.)



Selection process

Requirements

The minimun conditions that applicants have to fulfil:

- Studies or level of qualification
- The field of studies/thesis or research
- The enrolment in the current academic year
- Do not be beneficiary of a previous scolarship
- Participation for the first time

Selection criteria

Puntuaction system:

- ✓ Adequacy of the CV of the applicant to the course
- ✓ Interest of the course to the research line or studies
- ✓ CV and acreditations
- ✓ Academic marks report
- ✓ Level of competences at languages



The selection procedure must be organised in a way to ensure that the best students worldwide are selected.

Organizational and Technical aspects of two kind of summer courses

Addressed to staff

Annual CEIMAR Action Plan/ Schedule

THEMATIC/BUDGET LINES	Formats	Publication	Development	Justification	Monitoring and results
Internationalization and teaching enhacer	Phd Mobility	First quarter	Annual	At the end or firts of year	Final CEIMAR report
	Specialization posgraduate courses				
	Int. Cotutelle PhD Thesis				
	Int. Final Degree Project (FDP) and Master final project				
	International Summer School				
Scientific excellence	RDI Projects for Young researchers				
	CEIMAR conferences and scientifics events				
KT and Innovation enhancer	Innovative Joint Projects				
	Marine-maritime Workshops				
Social relationship and outreach	Summer course "Andalusia's coastline				
Erasmus+ programme		SMS/	SMP/STA/STT		

Organizational and Technical aspects of two kind of summer courses

Addressed to staff

Organization and requirements of each call



EXECUTIVE COMMISSION_CEIMAR
COORDINATORS_ANNUAL ACTION PLAN
ACTIONS AND BUDGET



GOVERNING BOARD_CEIMAR
STAKEHOLDERS_ANNUAL ACTION PLAN_
CEIMAR FINAL REPORT AND NEW ACTION PLAN

Internationalization and teaching enhacer

Scientific excellence

KT and Innovation enhancer

Outreach

Erasmus+

SUBJECT

BUDGET

TARGED GROUPS

REQUIREMENTS

SELECTION CRITERIA

EVALUATION AND RESOLUTION

JUSTIFICATION

Research Groups linked to CEIMAR

Proposal related to CEIMAR specialización areas





Internationalization and teaching enhacer

CEIMAR International Summer School



Call for proposals for the summer courses, at the begining of year

PhD lecturers from CEIMAR Universities

Relevance of proposals

International impact

Expertise of panel of experts

Potential joint collaboration as result of the proposal

Balance representative all CEIMAR especialization areas

International summer courses programme from June to September

Multicampus framework

From 3-5 days courses taugh in English

International experts participation

Parallel cultural activities

Minimun number of participants

Grant schedule for students



Internationalization and teaching enhacer

CEIMAR International Summer School



Call for grants for participants

Foostering the participation at national and international level

Number of free tuition for each course (home and abroad participants)

Requirements: PhD students and post-doctoral researchers, belong to a CEIMAR research group and the course have to linked to the line of research

Selection criteria based on a scale according to the course's features

Payment policy

Monitoring and closing event

Multicampus framework

From 3-5 days courses taugh in English

International experts/networks participation

Paralel cultural activities

Minimun number of participants

Grant schedule for students



DOs and DONTs of a call

DOs

- ✓ Prepare in advance all the organization tasks
- ✓ Contact experts and public institutions for their collaboration
- ✓ Frame the call/programme
- √ Think about the target groups
- ✓ Keep it short and simple but make sure that you have indicate everything
- ✓ Specify all elegible expenses
- Try to organise the course around the 3 phases the call, development and final.

DONTs

- ✓ Don't assume that everything is known
- Don't cut and paste from previous calls, except the common parts
- ✓ Don't share the participants' data without authorization
- ✓ Be careful with requirements and selection criteria, transparency and fair
- ✓ Don't forget the insurance policy and special requirements (Diet, health, religious, etc.)
- ✓ Don't focus only on the requirements, but also mention the results expected and recognition system.

Results of internationalization. Nice waves



Joint projects



Scientific cooperation networks



Specialization and expertise



Cotutelle of PhD thesis and internationalization of degrees



Strengthen the recognition system



Good practices exchange for staff



Promote the international dimension of institutions



Cultural value and tolerance



Useful resources from the **CEI-MAR** consortium to take place in summer

UNIVERSIDAD DE ALMERÍA	<u>University of Almeria</u>
UCA Universidad de Cádiz	<u>University of Cadiz</u>
UNIVERSIDAD DE GRANADA	<u>University of Granada</u>
Gnoverskal de Placiva	<u>University of Huelva</u>
UNIVERSIDAD DE MALAGA	<u>University of Malaga</u>



The top ten to attend to the CEIMAR International summer school

1 Excellence

Wide range of specialization and added value

A great opportunity of research cooperation

5
Top-rated investigation environment

9 Commitment with international cooperation

A real international experience

6
High quality of instalations and facilities

7International consortium

8Visiting good locations

10
Multidisciplinar topics





Our proposals of collaboration with potential partners

- -Developing of academic exchanges in the frame of Erasmus+ mobilities for students and staff by means of the Interinstitutional Agreements.
- -Collaborating in joint Projects focused on marine-maritime fields.
- -Creating links among the academic, research institutions and industry from **CEI-MAR** and programme countries and associated partners in order to develop a strong multidisciplinar network.
- -Participating in new initiatives that may take place in the collaboration scenary.



The sea that unites us









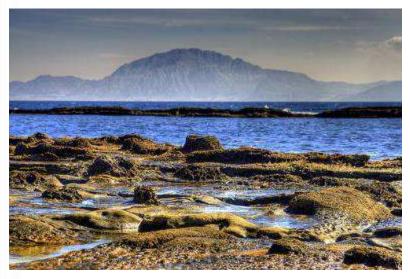




The sea that unites us







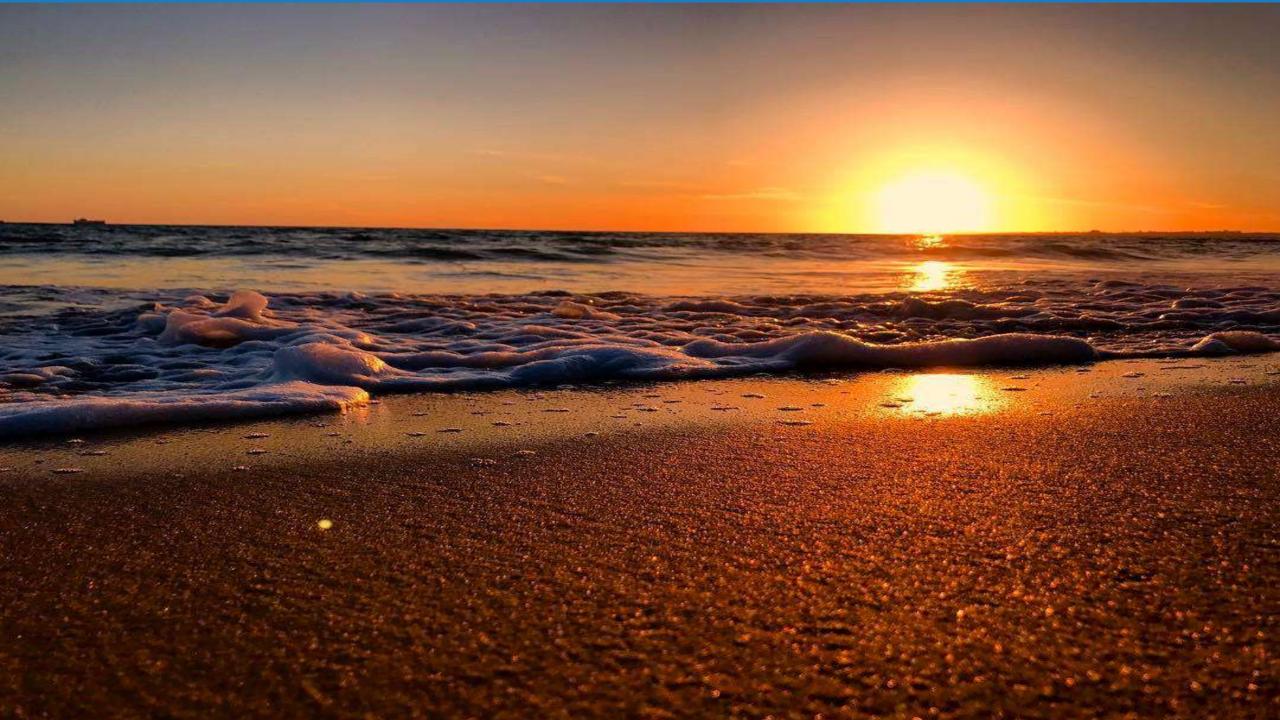












Thank you!

CONTACT DETAILS:

Eva Mena

Fundación CEI-MAR

Email: internacional@fundacionceimar.com

Google Meet

Tel: +34 618 367 791

Hopefully we can see you in CEIMAR next Summer!!!

www.campusdelmar.com



The sea that unites us





Credences

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Programme	Erasmus+
Author(s)	Eva María Mena Medina. International of Excellence Campus of the Sea. CEIMAR
Dissemination level	Public, free dissemination.
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