

# Blended Intensive Program - Template

---

## **Important note:**

Students interested in this program have to apply to their home university according to the internal procedure.

Student applications made directly to the hosting institution will not be considered.

## **General information**

Course Title	<b>SEA-EU School on Computational Mathematics</b>
Coordinating institution	University of Split
Partner institutions	University of Cadiz, University of Kiel, University of Algarve and University of Gdansk
BIP Code	2023-1-HR01-KA131-HED-000122123-1
Abstract: (a few lines describing the course that SEA-EU partners can use for dissemination)	The school is designed for young students up to master's and doctorate level seeking to acquire skills in the latest trends in mathematical and computational modeling. We place strong emphasis on practical applications in science and engineering, with a focus on modeling spatiotemporal variations of physical quantities using partial differential equations (PDEs), and related topics such as the finite element methods, neural networks and numerical optimization.
Calendar	<ul style="list-style-type: none"><li>• Application deadline: 10.06.2024.</li><li>• Confirmation of acceptance by: 11.06.2024.</li><li>• Virtual component dates: 2 Sept – 6 Sept 2024</li><li>• Physical component dates: 9 Sept – 13 Sept 2024</li><li>• Submission of final project (required for ECTS credits): 20 Sept 2024</li></ul>
Total number of hours:	40 hours (13 virtual and 27 on-site)
Teacher(s) in charge	<ul style="list-style-type: none"><li>• Francisco Ortegon Gallego, J. Rafael Rodriguez Galvan, M. Victoria Redondo Neble, M. Concepcion Muriel Patino (University of Cadiz)</li><li>• Malte Braak (University of Kiel)</li><li>• Hermenegildo Borges de Oliveira (University of Algarve)</li><li>• Karolina Kropielnicka (Polish Academy of Sciences)</li></ul>

	<ul style="list-style-type: none"> <li>• Andrijana Curkovic, Sasa Kresic-Juric (University of Split)</li> </ul>
Number of participants	The maximum number of participants is 20. Each SEA-EU university can propose up to four participants.
Mobility costs	This mobility is eligible for Erasmus+ funding. Please contact your university for more information.
Contact	<p>Organisational aspects: Sasa Kresic-Juric Email: <a href="mailto:sea-eu.comp.math@pmfst.hr">sea-eu.comp.math@pmfst.hr</a></p> <p>Pedagogical aspects: Sasa Kresic-Juric Email: <a href="mailto:sea-eu.comp.math@pmfst.hr">sea-eu.comp.math@pmfst.hr</a></p>

## Pedagogical content

Target group / Expected student profile	Master's and beginning doctorate students.
Requirements Academic background	Strong background in mathematics and computer science.
Selection of participants	Students will be selected by the organizing committee of the school attending to the selection criteria below. In all cases, students from SEA-EU Universities, followed by students of other Erasmus+ Universities, will have preference.
Selection criteria	<p>Students will be selected based on the following criteria listed in order of appearance:</p> <ol style="list-style-type: none"> <li>1. Doctorate or master's students collaborating with the organizing committee of the school.</li> <li>2. Doctorate students conducting research in areas related to the topics of the school.</li> <li>3. Students in master's program related to the topics of the school.</li> <li>4. Students with strong background in computational mathematics and computer science.</li> </ol>
Description of the physical component (please include any relevant information for the applicants)	<p>The physical component consists of three courses:</p> <ol style="list-style-type: none"> <li>1. Introduction to partial differential equations: examples and resolution by the finite element method (12 hours)</li> <li>2. Physics informed neural networks: introduction and case study on fluid dynamics (12 hours)</li> </ol>

	<p>3. Numerical optimization (11 hours)</p> <p>Each course is supplemented by one-hour lectures on selected topics.</p>
<p>Description of the virtual component (please include any relevant information for the applicants)</p>	<p>The virtual part consists of introductory lectures designed to prepare the students for the courses offered in the physical component of the school. The virtual component includes individual study and work in groups.</p>
<p>Learning objectives/outcomes:</p>	<p>Upon completion of the program, the student is expected to:</p> <ul style="list-style-type: none"> <li>• describe relevant PDEs arising in physics and engineering: heat equation, wave equation, Stokes system, linear elasticity,</li> <li>• acquire basic skills in using the software package FreeFem++ for meshing 2D and 3D domains,</li> <li>• solve numerically variational formulations of elliptic equations and plot their solutions,</li> <li>• apply relevant numerical methods for the time semidiscretization of an evolution problem and to compute the approximate solution of the wave equation,</li> <li>• apply classical methods for unrestricted optimization,</li> <li>• improve understanding of classical methods for restricted optimization,</li> <li>• understand the mathematical theory of convex optimization,</li> <li>• develop and test computer programs for solving restricted optimization problems,</li> <li>• become familiar with the concept of neural networks (NN) as mathematical and computational objects minimizing a deep cost functional,</li> <li>• understand the basics of physics informed neural network (PINN) for solving PDE models,</li> <li>• program computer scripts for basic NN and apply PINN to solve convection, diffusion, and fluid dynamics models.</li> </ul>
<p>Any required material/software to take part to the course:</p>	<p>Open-source software will be utilized throughout the courses, specifically: FreeFem++, Python, and numerical libraries such as NumPy, Matplotlib and Tensorflow.</p> <p>During the preliminary virtual sessions, students will receive comprehensive instructions on the installation process, enabling them to set up the software on their personal computers or laptops. Additionally, all necessary software will be installed in the computer lab for the face-to-face sessions, ensuring that every student has access to the required tools.</p>

ECTS:	3 ECTS credits
Evaluation:	Students interested in credit recognition will be evaluated by classroom exercises and by a final group project which will be submitted by Friday, September 20, 2024.
Transcript of records will be issued ...	University of Split
Language of the course	English language

## Structure of the course

	Dates	Program
<b>Virtual part</b>	2 Sept 2024	9:00 – 10:00 Opening 10:00 – 12:00 Presentation of Course 1  <b>Introduction to partial differential equations: examples and numerical resolution by the finite element method,</b> Francisco Ortegon Gallego (University of Cadiz)
	3 Sept 2024	9:00 – 11:00 Presentation of Course 2  <b>Physics-informed neural networks: introduction and case study on fluid dynamics,</b> J. Rafael Rodriguez Galvan and Victoria Redondo Neble (University of Cadiz)
	4 Sept 2024	9:00 – 11:00 Presentation of Course 3  <b>Numerical optimization,</b> Malte Braak (University of Kiel)

	5 Sept 2024	9:00 – 11:00 Individual/group work and tutorial sessions
	6 Sept 2024	9:00 – 11:00 Individual/group work and tutorial sessions
	20 Sept 2024	Students interested in receiving 3 ECTS credits must submit a final project. The projects may be done individually or in small groups.
Physical part (On-site in Split):	9 Sept 2024	<p>9:00-10:30. Course 1 <b>Introduction to partial differential equations: examples and numerical resolution by the finite element method</b></p> <p>11:00-12:30. Course 2 <b>Physics-informed neural networks: introduction and case study on fluid dynamics</b></p> <p>14:00-15:00. Lecture 1 <b>Theoretical and numerical analysis of Navier-Stokes equations arising in fluid confinement</b></p> <p>15:30-16:30. Lecture 2 <b>Split in Split</b></p> <p>16:30-18:30. <b>Exercises I</b></p>
	10 Sept 2024	<p>9:00-10:30. Course 1 <b>Introduction to partial differential equations: examples and numerical resolution by the finite element method</b></p> <p>11:00-12:30. Course 2 <b>Physics-informed neural networks: introduction and case study on fluid dynamics</b></p> <p>14:00-15:00. Lecture 3 <b>Solvable Structures and C-infinity Structures for Differential Equations</b></p> <p>15:30-16:30. Lecture 4 <b>Introduction to Asymptotic Methods in Fluid Mechanics</b></p> <p>16:30-18:30. <b>Exercises II</b></p>

	11 Sept 2024	<p>9:00-10:30. Course 1 <b>Introduction to partial differential equations: examples and numerical resolution by the finite element method</b></p> <p>11:00-12:30. Course 3 <b>Numerical optimization</b></p>
	12 Sept 2024	<p>9:00-9:45. Course 1 <b>Introduction to partial differential equations: examples and numerical resolution by the finite element method</b></p> <p>9:45-10:30. Course 2 <b>Physics-informed neural networks: introduction and case study on fluid dynamics</b></p> <p>11:00-12:30. Course 3 <b>Numerical optimization</b></p> <p>12:30-14:00. Lunch</p> <p>14:00-15:00. Lecture 5 <b>Introduction to Symplectic Methods for Hamiltonian Systems</b></p> <p>15:30-18:30. <b>Exercises III</b></p>
	13 Sept 2024	<p>9:00-10:30. Course 2 <b>Physics-informed neural networks: introduction and case study on fluid dynamics</b></p> <p>11:00-12:30. Course 3 <b>Numerical optimization</b></p>

## Practical information

Accommodation recommendations	<p>A limited number of rooms for participants is reserved in the student dormitory on the campus of the University of Split.</p> <p>Please contact <a href="mailto:rezervacija.smjestaja@scst.hr">rezervacija.smjestaja@scst.hr</a> with reference to SEA-EU School on Computational Mathematics. Payment is at the front desk by cash or credit card.</p>
The physical mobility will take place at... (address of the course)	<p>Faculty of Science Department of Mathematics Rudjera Boskovicica 33 21000 Split</p>

	Croatia
Any tips?	Detailed information about the school and application form can be found on the web page <a href="https://sea-eu-school.github.io/">https://sea-eu-school.github.io/</a>  For more information about Split visit: <a href="https://visitsplit.com">visitsplit.com</a>
Contact of the person in charge of signing the OLA	Prof. Gordan Radobolja, PhD Vice-dean for Academic Affairs, Erasmus coordinator

## Blended Intensive Program

### Important note:

Students interested in this program have to apply to their home university according to the internal procedure.

Student applications made directly to the hosting institution will not be considered.

## General information

Course Title	<b>Development of Digital and Green Business Models</b>
Coordinating institution	University of Split (UNIST) Erasmus code: HR SPLIT01
Partner institutions	University of Brest (France) Hochschule der Medien Stuttgart (Germany) Universidad de Malaga (Spain) University of Belgrade (Serbia)
BIP Code	2022-1-HR01-KA131-HED-000053398-2
Abstract: (a few lines describing the course that SEA-EU partners can use for dissemination)	This program, hosted by the Faculty of Economics at the University of Split, develops entrepreneurial skills through business model development. Participants engage in hands-on student projects using digital tools, fostering cross-cultural collaboration and enhancing transdisciplinary skills. Learning objectives include digital proficiency, entrepreneurial thinking, sustainability practices, and business skill development. Join students from across Europe for virtual and physical lectures, workshops, and the STup!2024 startup competition. Earn a certificate and 3 ECTS credits upon completion. Experience a blend of theoretical learning and practical application at the Faculty of Economics in Split, culminating in the STup!2024 competition. Welcome to a program that shapes innovative leaders for the future.
Calendar	<ul style="list-style-type: none"> <li>● 08/05: Nominations deadline</li> <li>● 15/05: Confirmation of acceptance</li> <li>● 03/06: Virtual lesson No1</li> <li>● 04/06: Virtual lesson No2</li> <li>● 10/06: Virtual lesson No3</li> <li>● 11/06: Virtual lesson No4</li> <li>● 17-21/06: On-site Intensive Course in Split (physical mobility) / 5 days</li> </ul>

	<ul style="list-style-type: none"> <li>After 21/06: Online feedback</li> </ul>
Total number of hours:	79 hours (Virtual component: 9 hours of online lectures + 14 hours of independent work required to prepare a project/idea for the physical component. Physical component: 40 hours of contact hours + 16 hours of independent work required to prepare and present the assignment in the form of a final presentation).
Teacher(s) in charge	Doc. dr. sc. Ljiljana Najev Čačija Prof. dr.sc. Vlatka Škokić Lana Ugrčić Carole Osmond Kimberley Waechter Kristina Coric Prof. Rafael Ventura Fernández Ana Miličević
Number of participants	Each SEA-EU university can propose up to 4 students.
Mobility costs	This mobility is eligible for Erasmus+. Please contact your university for more information.
Contact	Regarding organisational aspects: lana.ugrcic@efst.hr Regarding pedagogical aspects: ljiljana.najev.cacija@efst.hr

## Pedagogical content

Target group / Expected student profile	<ul style="list-style-type: none"> <li>Students of undergraduate and graduate studies that have acquired 120 ECTS points or equivalent in accordance with the Act on Scientific Activity and Higher Education</li> <li>Student startups</li> </ul>
Requirements Academic background	<ul style="list-style-type: none"> <li>English B1 (test can be taken on EU academy)</li> <li>The ability to work in MS Office programmes</li> </ul>
Selection of participants	<ul style="list-style-type: none"> <li>Students with a startup/business idea or project</li> </ul>
Selection criteria	<ul style="list-style-type: none"> <li>Students of undergraduate and graduate studies that have acquired 120 ECTS points or equivalent in accordance with the Act on Scientific Activity and Higher Education</li> <li>Students with a startup/business idea or project</li> <li>Knowledge of English</li> </ul>

<p>Description of the physical component (please include any relevant information for the applicants)</p>	<p>The physical component of the program will be held at the Faculty of Economics, University of Split. After completing the virtual component, participants will come to the physical part of the program with developed ideas, and through the physical component, they will cover all the topics needed for participants to turn an idea into a 'pitch-deck' that they can present at the student competition STup!. Attendance at classes will be mandatory, and students will work in previously formed international teams. The on-site program is described in the section "Structure of the course".</p>
<p>Description of the virtual component (please include any relevant information for the applicants)</p>	<p>The online section of the proposed program will include a combination of lectures, individual, and team work. Students will work on an innovative and sustainable digital solution to a real problem. During the virtual component, there will be lectures on the topics of green entrepreneurship, digital skills and ideation. All virtual classes and homework will prepare the student teams for the final physical week, in which they will delve deeper into the problem they are solving, analyze the market, and design everything needed to rank their idea as highly as possible at the university startup competition. Virtual classes will be supported by online collaboration channels and for easy communication among team members, all participants, and teachers.</p>
<p>Learning objectives/outcomes:</p>	<ul style="list-style-type: none"> <li>• equip participants with a diverse skill set, including digital proficiency, entrepreneurial thinking, and sustainability practices</li> <li>• develop business skills such as analyzing market environments, setting business goals, and critically assessing market entry options.</li> </ul>
<p>Any required material/software to take part to the course:</p>	<p>no</p>
<p>ECTS:</p>	<p>3 ECTS</p>
<p>Evaluation:</p>	<p>Attendance and positive assessment of the presentation of the idea (students present the idea to the panel/lecturers).</p>
<p>Transcript of records will be issued ...</p>	<p>Failed/passed</p>

Language of the course	English language
------------------------	------------------

## Structure of the course

	Timing	Learning Objectives, Contents, Modalities of work, evaluation... any relevant information for the applicants.
Virtual part:	3.6.2024., 17h	Get to know each other & scenario games
	4.6.2024., 17h	Circular Economy & Green Business Idea
	10.6.2024., 17h	Design thinking (part 1)
	11.6.2024., 17h	Design thinking (part 2)
Physical part (On-site in Split):	Monday 17.6.2024.	Validating business idea + Teamwork Business Modeling
	Tuesday: 18.6.2024.	Marketing (marketing strategy) Sales
	Wednesday 19.6.2024.	How to make a Pitch deck+Presentation skills Mentorship (pitch deck creation)
	Thursday&Friday 20.-21.6.2024.	International startup pitch competition STup! 2024

## Practical information

Accommodation recommendations	Airbnb apartments are a good option
The physical mobility will take place at... (address of the course)	University of Split, Faculty of Economics, Business, and Tourism Cvite Fiskovića 5 21000 Split
Any tips?	Selected students will receive a brochure with more info, tips&tricks.
Contact of the person in charge of signing the OLA	Danijela Coppola, mag.oec. Expert Advisor for International Cooperation ERASMUS+/CEEPUS Coordinator

# BLENDDED INTENSIVE PROGRAMME 2024 (BIP)

Development of digital and green business models

- 21 May – 14 June 2024, Virtual component
- 17–21 June 2024, Physical component

Organisers:





# About programme

This programme, hosted by the Faculty of Economics at the University of Split, equips you with skills for the dynamic world of digital and green entrepreneurship.

Join students from all around Europe, expanding your international knowledge network. Engage in virtual and physical lectures, workshops, and the STup!2024 international startup competition.

Gain valuable skills, earn a certificate, and receive 3 ECTS credits upon completion.

Our program is not only theoretical but also provides hands-on experience. The physical component, held at the Faculty of Economics in Split, offers a unique blend of lectures, workshops, and the opportunity to visit the thrilling STup!2024 competition.

Welcome to a program that goes beyond education; it's a gateway to your future. The world needs innovative leaders, and our program is the launchpad for your journey towards becoming one.

## Welcome to Split, the gem of the Adriatic!

This vibrant city is a perfect blend of historical wonders and the energy of the Mediterranean rhythm.

Explore the Diocletian's Palace, a masterpiece of Roman architecture. Roam the narrow stone streets lined with cosy cafes and quirky shops, getting lost in the city's unique ambience.

Don't miss the lively beats of the city at the Riva, where the aromas of Mediterranean cuisine and the sounds of music will accompany every step.

Split not only brings history to life but also creates memories that will last a lifetime.

## Faculty of Economics, Business of Tourism

Established in 1975, the Faculty of Economics, Business, and Tourism (FEBT) has grown into one of Croatia's largest faculties, welcoming over 2,500 students and employing a team of 100 professionals.

As part of the University of Split, FEBT is not just an educational institution; it's a place where knowledge meets innovation, and excellence is the norm.

With a commitment to socially responsible behaviour and a vision of producing globally integrated experts, FEBT provides top-quality study conditions, ensuring students are well-prepared for success in the job market.

## Enrollment requirements for the programme

- Students of undergraduate and graduate studies (social, humanistic, natural and technical sciences).
- Acquired 120 ECTS points or equivalent in accordance with the Act on Scientific Activity and Higher Education
- Knowledge of English and the ability to work in MS Office programs

## Requirements for completion of the programme

- Attendance and positive assessment of the presentation of the idea (students present the idea to the panel/lecturers).

# Goals

---

- Provide hands-on experience through student entrepreneurial projects, leveraging digital tools and methodologies for real-world problem-solving.
- Increasing transdisciplinary skills in students (critical thinking, project management, presentation skills, etc.).

- Development of entrepreneurial skills through the process of generating an entrepreneurial idea, creating a presentation and valorizing the concept of a business model.
- Cross-cultural collaboration by bringing together students, faculty, and experts from diverse backgrounds and institutions.



# Learning objectives

This programme is designed to equip participants with a multifaceted skill set encompassing digital proficiency, entrepreneurial thinking, and sustainability practices.

Development of business skills such as valorization of entrepreneurial ideas based on market environment analysis, creation of business goals, critical assessment of market entry options and many others.

Development of personal skills such as teamwork, communication and presentation skills.

This program empowers students to evaluate entrepreneurial ideas by delving into the critical aspects of designing and launching new businesses, transforming theoretical concepts into practical ventures.

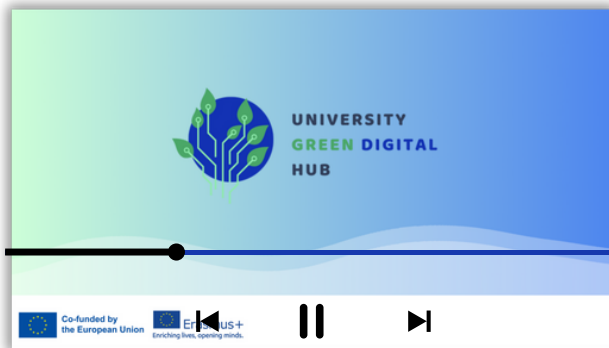


# Duration of the programme

## Virtual component

4 online lectures

Check out last year's experience:



## Physical component

5 days of on-site program  
(June 17-21, 2024)  
in Split, Croatia.

+ Independent work needed to prepare  
a project/idea



Sending university provides individual support for the participants

- Students individual support 70 Euro/day from Erasmus+ KA1 grant support for mobility of students
- Student has to apply via Erasmus+ office of its home institution

One time payment of 50 Euros is available for the Green travel (application via home institution)

## Available Funding



# APPLY TODAY...



... and let your BIP adventure begin!

Credits

3 ECTS

## Blended Intensive Program – Sustainability and Social Innovation on the Move

### **Important note:**

Students interested in this program have to apply to their home university according to the internal procedure.

Student applications made directly to the hosting institution will not be considered.

### General information

Course Title	Sustainability and Social Innovation on the Move
Coordinating institution	<i>Universidade do Algarve</i>   University of Algarve (UALg) Erasmus code: PT FARO 02
ISCED code:	0521 Environmental Sciences 031 Social and Behavioral Sciences
Partner institutions	University of Gdańsk (UG) University of Naples Parthenope (UPN)
BIP Code	2022-1-PT01-KA131-HED-000062800-1
Abstract: (a few lines describing the course)	This course is intended to explore the concept of sustainability and its significance in addressing global challenges such as climate change, resource decrease, and biodiversity loss. The interconnectedness of environmental, social, and economic systems and their impact on sustainability efforts are examined. Through case studies and discussions, participants learn about sustainable practices in various sectors, including energy, water cycle, seafood production and tourism. Additionally, strategies to promote sustainability at individual, organizational, and community levels are explored. Furthermore, it addresses environmental, sustainable, and social/community strategies, synchronized with the Sustainable Development Goals of the 2030 Agenda. Therefore, it is an opportunity for the participants to gain a comprehensive understanding of sustainability principles and to have insight of practical cases to contribute to a more sustainable future.
Number of ECTS	4 ECTS (40 hours)
Calendar	*Nominations by home university until: <b>29/04/2024</b> *Students' confirmation of acceptance: <b>until 03/05/2024</b>

	<p>*Virtual component (before physical): <b>14<sup>th</sup> - 17<sup>th</sup> of May, 2024</b></p> <p>*Physical component: <b>17<sup>th</sup> - 21<sup>st</sup> of June, 2024</b></p> <p>*Total hours: 40h (online: 5h; physical: 35h)</p>
Number of participants	<p>The minimum number of participants is 15, maximum is 20.</p> <p>Each SEA-EU University can propose up to 4 students: 2 on the main list, 2 on the waiting/reserve list (according to your registration dates).</p> <p>Equal distribution of available places among SEA-EU partners shall be applied, if applicable (possible to add the number of students from each partner university).</p>
Mobility costs	<p>Participants interested in this program must apply for Erasmus+ financing to their home universities in accordance with their internal procedures.</p> <p>Please contact your university for more information.</p>
Contact	<p><u>Regarding organisational aspects:</u> Mr. Filipe Lage (flage@ualg.pt) and Mrs. Milene Lança (mglanca@ualg.pt)</p> <p><u>Regarding pedagogical aspects:</u> Prof. Conceição Ribeiro (cribeiro@ualg.pt)</p> <p><u>Responsible person for signing the OLA:</u> Mrs. Marleni Azevedo (mdper@ualg.pt)</p>
City & country of the physical mobility	Faro, Algarve, Portugal
Apply to	Each university from the SEA-EU will nominate their own students. Student applications made directly to the hosting institution will not be considered.

## Pedagogical information

Target group / Expected student profile	<p>Students interested in environmental and engineering projects, sustainability, and social/community transformations.</p> <p>Undergraduate's, Bachelor's, master's, and doctoral students will be accepted, regardless of the scientific area.</p>
Requirements/ Academic background/ Level of studies	English B1 (test can be taken on EU academy)
Selection of participants	Done by each university from the SEA-EU 2.0.

Selection criteria	Defined by each university from the SEA-EU 2.0
--------------------	--

<b>Structure of the course</b>	
Description of the <u>virtual</u> component	<p><b>Day 1 (14th of May): 1h</b>                      11:00-12:00 - Workshop 1 - The starting point of the innovation and future (UAlg, UG and UPN)                      Welcome session (synchronous)</p> <p>Workshop 2 (2h) - Diving into Portuguese language (6 asynchronous sessions)</p> <p><b>Day 2 (17th of May): 2h</b>                      11:00-13:00 - Workshop 3 - Research exchange (UAlg, UG and UPN)</p>
Description of the <u>physical</u> component	<p><b>Day 1 (17<sup>th</sup> of June): 7h</b>                      09:00-09:10 - Welcome session                      09:10-09:30 - Presentation of AMIC (resident association of the Culatra Island) “Challenges to the Future of Culatra”                      09:30-10:00 - Culatra 2030 Initiative – Sustainable energy community                      10:00-11:00 - Sustainable Futures for Coastal Communities                      11:00-11:30 – Coffee break                      11:30-13:00 – Water Circularity - Exploring Solar Desalination – Part I                      13:00-14:30 - Lunch                      14:30-16:00 - Water Circularity - Exploring Solar Desalination – Part II                      16:00-16:30 - Coffee break                      16:30-18:00 - Energy Sustainability in the Tourism Sector. The case of cold-ironing for cruise ships – Part I</p> <p><b>Day 2 (18th of June): 7h</b>                      09:00-10:30 - Energy Sustainability in the Tourism Sector. The case of cold-ironing for cruise ships – Part II                      10:30-11:00 – Coffee break                      11:00-13:00 - Monitoring and Control of Consumptions in a Smart Grids context – Part I                      13:00-14:30 – Lunch                      14:30-16:00 - Urban green transition in the European Union: mobility, pollution and the fourth nature – Part I                      16:00-16:30 – Coffee break                      16:30-18:00 - Urban green transition in the European Union: mobility, pollution and the fourth nature – Part II</p>

	<p><b>Day 3 (19<sup>th</sup> of June): 7h</b>                  09:00-11:00 - Marine Protect Areas                  11:00-11:30 – Coffee break                  11:30-13:00 - Underwater acoustic propagation from music to noise – Part I                  13:00-14:30 - Lunch                  14:30-16:00 - Underwater acoustic propagation from music to noise – Part II                  16:00-16:30 – Coffee break                  16:30-18:00 - Monitoring and Control of Consumptions in a Smart Grids context – Part II</p> <p><b>Day 4 (20<sup>th</sup> of June): 7h</b>                  09:00-10:30 - Sustainable Tourism – Part I                  10:30-11:00 – Coffee break                  11:00-13:00 - Sustainable Tourism – Part II                  13:00-14:30 – Lunch                  14:30-16:00 - Community development and empowerment: learning for the future/learning to endure – Part I                  16:00-16:30 – Coffee break                  16:30-18:00 - Community development and empowerment: learning for the future/learning to endure – Part II</p> <p><b>Day 5 (21<sup>th</sup> of June): 7h</b>                  09:00-10:30 - Sustainable Food Production: Oysters                  10:30-11:00 – Coffee break                  11:00-13:00 - Solar Cooking                  13:00-14:30 – Lunch                  14:30-16:00 - Sea Sustainable Design – Part I                  16:00-16:30 – Coffee break                  16:30-18:00 - Sea Sustainable Design – Part II                  18:00 - Goodbye Sunset</p>
Learning objectives/outcomes:	<p>Understand the fundamental concepts of sustainability within coastal communities and the potential of the blue economy on a local scale.</p> <p>Acquire knowledge about community development and empowerment for fostering sustainable growth and resilience. Learn about strategies to endure communities with the knowledge, skills, and resources to adapt and thrive in an ever-changing world focus on building social capital, community cohesion and enhancing environmental sustainability.</p>
Evaluation:	<p><b>This course will be assessed in three components:</b>  <b>Component 1:</b> Quizzes before the presential mobility  <b>Component 2:</b> Collaborative dynamics during the mobility  <b>Component 3:</b> Tasks during or after the mobility</p>

Certificates	Upon successful completion (evaluation and attendance), Certificate of attendance and Transcript of records will be issued.
Language of the course	English

## Practical information

Accommodation recommendations	The participants will have accommodation in a joint dormitory and food provided by the host organization.
Venue/Course location	Culatra Island
Any required materials/tips to take part of the course?	Laptop for the virtual component. Each participant must bring their personal hygiene products, comfortable and fresh clothes, towels, cap, sunglasses, solar protector (recommended factor 50), moisturizing cream and lipstick, bathing suit, mosquito repellent, etc. Sleeping bag. Swimming skills are mandatory. Adventure spirit.

## Blended Intensive Program

---

### General information

<b>BIP Title</b>	<b>BIPs for VIPs: Blended Intensive Programmes for Very Innovative Professors</b>
<b>Coordinating Institution</b>	Universidad de Cádiz (E CADIZ 01)
<b>Partner institutions</b>	<p>University of Split (UNIST)</p> <p>University of Kiel (CAU)</p> <p>University of Algarve (UAlg)</p> <p>University of Malta (UM)</p> <p>Nord University (NORD)</p>
<b>BIP Code</b>	2022-1-ES01-KA131-HED-000064198-2
<b>Abstract</b> <b>(a few lines describing the course)</b>	The aim of the programme is to train participants in the management and coordination of Erasmus+ Blended Intensive Programmes. To this end, we will use a collaborative, multicultural and multidisciplinary teaching and learning approach and good practices will be shared among speakers and participants. Specifically, participants will improve their skills in the design, implementation, monitoring and dissemination of Blended Intensive Programmes and will work multicultural and multidisciplinary teams to draft a BIP proposal.
<b>Erasmus+ priorities</b>	Digital transformation
<b>Calendar</b>	<ul style="list-style-type: none"> <li>• Application deadline: 22/04/2024</li> </ul>

	<ul style="list-style-type: none"> <li>• Confirmation of acceptance by 26/04/2024</li> <li>• <b>Virtual component dates: June 17, 10-12pm</b></li> <li>• <b>Physical component dates: 01/07/2024-05/07/2024</b></li> </ul>
<b>Total number of hours</b>	online: 2h / on-site: 28h (total: 30h)
<b>Number of Participants</b>	<p>The <b>minimum number of participants is 15</b>, maximum is 25 (if we don't reach a minimum of 15 incoming participants from partner universities, the BIP cannot take place).</p> <p>Application from SEA-EU alliance partners will be prioritized.</p>
<b>Coordinators</b>	<p>Laura Cubillana Aguilera, Director of Mobility at UCA</p> <p>Miriam Iglesias Freire, BIP administrative manager at UCA</p>
<b>Speakers</b>	<p><u>UCA</u></p> <p>Laura Cubillana Aguilera (coordinadora)</p> <p>Miriam Iglesias Freire (coordinadora)</p> <p>Fernando Pérez (2h)</p> <p>Carmen Padilla (2h)</p> <p>Laura Romero Rodríguez (2h)</p> <p>Juan José García (2h)</p>
<b>Contact</b>	<p>For pedagogical aspects: <a href="mailto:dg.movilidad@uca.es">dg.movilidad@uca.es</a></p> <p>For administrative aspects: : <a href="mailto:erasmus.short@uca.es">erasmus.short@uca.es</a></p>
<b>Apply to</b>	Please <b>fill in the <a href="#">registration form</a> until April 22th, 2024</b>
<b>Mobility costs</b>	This mobility is eligible for Erasmus+ funding. Please contact your university for more information and specify it is a BIP for Staff.

## Pedagogical contents

<b>Expected profile</b>	<ul style="list-style-type: none"> <li>• Non-teaching staff in charge of BIP administrative management at their university</li> <li>• Teaching staff with previous experience on BIPs or willing to learn how to prepare a BIP proposal</li> </ul>
<b>Language requirements</b>	<p>The program will be held in English</p>
<b>Selection criteria</b>	<p>Participants will be selected by University of Cádiz based on:</p> <ul style="list-style-type: none"> <li>• Experience on Blended Intensive Programmes and/or willingness to present a BIP proposal</li> <li>• Position/Role at home university</li> </ul>
<b>Description of the virtual component</b>	<p>Online session to get to know the profile and background in BIP management/coordination and to identify hot topics to be treated and resolved during the physical component</p>
<b>Objectives and Description</b>	<p>To improve academics collaborative and innovative skills in a multidisciplinary and multicultural context through innovative teaching and learning methodologies and good practices sharing</p>
<b>Methods and outcomes</b>	<p>We will present and discuss how to design, implement and disseminate a Blended Intensive Programme. As a result, we expect the participants to produce a BIP proposal draft.</p>
<b>Added value compare with existing courses</b>	<p>At a time when the rules of the European Commission for students and staff mobility have changed and new mobility types have appeared (ex. short blended mobilities), it is necessary to establish spaces for sharing innovative methodologies and good practices among partner universities. In addition, as members of the SEA-EU Alliance (European university), which is committed to organize, at least, one “SEA-EU” BIP per partner, per year, its fundamental for us to identify, train and support innovative teaching staff willing to collaborate with peers within the alliance to come up with a very innovative course.</p>

# Programme

<p><b>Virtual part</b></p>	<p><b>June 17th, 2024 (10:00-12:00)</b></p> <ul style="list-style-type: none"> <li>• Guidelines for the physical stay</li> <li>• Introduction to the course and the programme</li> <li>• Participants contribution to workshops and round tables</li> <li>• Participants expectations</li> </ul>
<p><b>Physical part</b></p>	<p><b>1st July 2024 (Venue: <b>Salón de Grados, Facultad de Medicina, Cádiz</b>)</b></p> <p>09:15 - 09:45 Registration</p> <p>09:45 - 10:00 Family photo</p> <p>10:00 - 10:30 Institutional welcome</p> <p><i>Marcela Iglesias Onofrio, Vice-Rector for Internationalization</i></p> <p><i>Laura Cubillana, D.G. Mobility</i></p> <p><i>Laura Howard, D.G. SEA-EU</i></p> <p>10:30 - 11:30 Getting to know BIPs: Erasmus+ programme rules &amp; basic toolkit</p> <p><i>Miriam Iglesias, UCA</i></p> <p>11:30 - 12:00 Coffee break</p> <p>12:00 - 12:30 BIPs management protocol within the SEA-EU Alliance</p> <p><i>Antje Volland, CAU</i></p> <p>12:30 - 13:30 Round table: "BIPs at participants' home university: where do you stand and what are the main challenges?" - <i>Moderator: Laura Cubillana</i></p> <p><i>Ana Cosic, UNIST</i></p> <p><i>Ana Biernath, CAU</i></p> <p><i>Caroline L'Haridon, UBO</i></p> <p><i>Marleni Azevedo, UAlg</i></p> <p><i>Sara Gracova, STUBA</i></p> <p><i>Silvia Baldassari, University College of Teacher Education Tyrol</i></p> <p><i>Khrystyna Pavliukh, University of Bamberg</i></p> <p>13:30 - 15:00 Networking lunch</p> <p><b>2nd July 2024 (Venue: <b>Espacio de Aprendizaje, Biblioteca CC Sociales y Jurídicas</b>)</b></p> <p>09:00 - 11:00 Workshop I: Tackling BIPs challenges (dates, workload, logistics, OS management, ECTS recognition, communication...)</p> <p>11:00 - 11:30 Coffee break</p> <p>11:30 - 13:30 Workshop II: Good practices sharing (15'x7)</p> <p><i>*Fernando Pérez, UCA - Strengthening partnerships through Erasmus cooperation projects</i></p> <p><i>*Hugo Manzano, University of Almeria (Spain) - Good practices</i></p> <p><i>*Mirela Petric, UNIST - Short Course on Marine Data Literacy</i></p> <p><i>*Vincent Caruana, UM - The whole institution approach to infusing sustainability across campuses</i></p>

*\*Ronja Teschendorf, CAU - BIP for foreign languages studies*  
*Skjesol Ingunn, NORD - Including BIPs in study programmes*  
*Silvia Baldassari, University College of Teacher Education Tyrol - Lessons learned*  
13:30 - 14:00 Wrap-up

**3rd July 2024 (Venue: **ESI, Puerto Real**)**

09:00 -09:30 Bus journey to Campus Puerto Real (meeting point: **Parador Atlántico, Cádiz**)

10:00 - 11.00 Workshop III: Teaching & Learning Innovative Methodologies (10-15'x4)

*Celestino Magalhães, Piaget Polytechnic Institute ([presentation](#))*

*Carmen Padilla Moledo, UCA - From COIL to BIPs*

*\*Laura Romero Rodríguez, UCA*

*\*Juan José García Guzmán, UCA*

*\*Zaharija Goran, UNIST*

11:00 - 11:30 Coffee break

11:30 - 12:30 Discovering ESI Innovative Projects/Laboratories

*Luis Lafuente, UCA & Irene del Sol, UCA*

12:30 - 13:30 "Elevator Pitch": quick presentation of your BIPs ideas (5'x7)

*Goran Zaharija, UNIST - AI in and for research*

*Carmen Padilla, UCA - Dance, cities, natural environments and sustainability*

*Irene del Sol, UCA - Sustainable, Advanced and Digital Manufacturing*

*Luis Lafuente, UCA - Digital fabrication for social impact*

*Ronja Teschendorf, CAU - Natural disasters and our society in view of environmental 6 responsibility*

*Skjesol Ingunn, NORD - Mental Health / Public Health*

*Marit Solstad, NORD - Practical education for sustainable coastal living*

13:30 - 17:00 Social activity (only for participants in the morning session at ESI)

17:00 Bus journey to Cádiz

**4th July 2024 (**Espacio de Aprendizaje, Biblioteca CC Sociales y Jurídicas, Cádiz**)**

09:00 - 11:00 "BIP cooking": drafting a BIP proposal I (administrative aspects)

11:00-11:30 Coffee break

11:30 - 13:30 "BIP cooking": drafting a BIP proposal II (academic aspects)

**5th July 2024 (Venue: **Salón de Grados, Facultad de Medicina, Cádiz**)**

09:00 - 11:00 "BIP showroom": quick presentation of the "cooked" proposals (15')

11:00 - 11:30 Coffee break

11:30 - 12:30 BIP communication & dissemination: digital tools

*Ismael Traba Outes, UCA*

12:30 - 13:30 Wrap-up session (we wish to listen & improve)

## Practical information

<b>Venue</b>	Cádiz (multiple locations, check the programme for more details)
<b>Accommodation</b>	<a href="#">UCA's dormitory</a> Upon confirmation of acceptance as a participant, we will send more information about available rooms and how to make reservations and payment.
<b>Plan your trip to Cádiz</b>	More practical information about accommodation and how to get to Cádiz: <a href="https://internacional.uca.es/plan-your-trip-to-cadiz/">https://internacional.uca.es/plan-your-trip-to-cadiz/</a>