

# I Symposium on coastal research

*"Interdisciplinary approaches as game changers for coastal system research"*

Organized by:



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## PROGRAM

### **2nd - 3rd of November, 2022**

CaixaForum Palma  
Plaça de Weyler, 3. 07001 Palma  
(Mallorca, Balearic Islands)

### **4th of November, 2022**

IMEDEA  
C/ Miquel Marquès, 21. 07190 Esporles  
(Mallorca, Balearic Islands)



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## Day 1 - 2<sup>nd</sup> November 2022

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09:00 – 09:30

Dr. Gotzon Basterretxea  
(IMEDEA Director)

*Presentation and general introduction*

### Session 1

CHAIR for the session: Gotzon Basterretxea (IMEDEA)

09:30 – 10:15

NIOZ  
Netherlands

Prof. Tjeerd Bouma &  
Jeroen Van de Water

*"Progressing coastal ecology: The need for mixing approaches & disciplines"*

10:15 – 10:30

IMEDEA  
Global Change  
Research Group

Prof. Núria Marbà

*"Marine vegetated ecosystems: Impacts and provision of solutions in the context of global change"*

Dr. Víctor Vilarrasa

*"Impacts and opportunities of the energy transition into coastal aquifers"*

10:30 – 10:45

Discussion led by Núria Marbà and Víctor Vilarrasa (IMEDEA)

10:45 - 11:15

Coffee Break

### Session 2

CHAIR for the session: Núria Marbà (IMEDEA)

11:15 – 12:00

University of Helsinki  
Finland

Dr. Tomas Roslin

*"Using networks as a general tool to understanding natural communities"*

Dr. Alyssa Cirtwill

*"One network, many scales: combining multiple sampling approaches for a deeper understanding of plant-pollinator interactions"*

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<b>12:00 – 12:15</b> IMEDEA Global Change Research Group	Prof. Anna Traveset	<i>"Determinants of complexity in island ecosystems under the context of global change"</i>
	Dr. Isabel Donoso	<i>"Understanding Ecological Resilience of Island Systems to Climate Change"</i>
<b>12:15 – 12:30</b>	Discussion led by Anna Traveset and Isabel Donoso (IMEDEA)	
<b>12:30 - 14:30</b>	Lunch	
<b>Session 3</b>	CHAIR for the session: Anna Traveset (IMEDEA)	
<b>14:30 – 14:45</b> IMEDEA Marine Technologies, Operational and Coastal Oceanography	Dr. Alejandro Orfila	<i>"Physical oceanography at IMEDEA: a story of mixing passion, scales and processes"</i>
<b>14:45 – 15:00</b> SOCIB, Associated Unit from IMEDEA	Dr. Baptiste Mourre	<i>"Integrated ocean observing and prediction systems"</i>
<b>15:00 – 15:15</b>	Discussion led by Alejandro Orfila (IMEDEA)	
<b>15:15 – 16:00</b> ETH Zurich Zwitzerland	Dr. Eleonora Secchi & Dr. Samuel George Vere Charlton	<i>"What shapes bacterial biofilms? A Physics perspective"</i>
<b>16:00 – 16:15</b> IMEDEA Physical-Biological Interactions in the Ocean Group	Dr. Gotzon Basterrretxea	<i>"Physical-biological interactions in the ocean"</i>
<b>16:15 – 16:30</b>	Discussion led by Gotzon Basterrretxea (IMEDEA) and closure	

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## Day 2 – 3<sup>rd</sup> November 2022

### Session 4

CHAIR for the session: To be announced

**09:00 – 09:45**

Netherlands Institute  
of Ecology (NIOO-KNAW)

Prof. Dr. Kees van Oers  
& Bernice Serpers

*"Origin and consequences of individual differences in DNA methylation in vertebrates"*

**09:45 – 10:00**

IMEDEA  
Marine Research in  
Ecological and Social  
Systems Group

Dr. Josep Alós

*"Addressing interdisciplinary challenges of marine coastal biodiversity conservation with transdisciplinary research"*

**10:00 – 10:15**

IMEDEA  
Marine Research in  
Ecological and Social  
Systems Group

Dr. Hilmar Hinz

*"Marine Research in Ecological and Social Systems group (MARES) a reflection on its multidisciplinary nature"*

**10:15 – 10:30**

Discussion led by Josep Alós and Hilmar Hinz (IMEDEA)

**10:30 – 11:00**

Coffee Break

### Session 5

CHAIR for the session: Hilmar Hinz (IMEDEA)

**11:00 – 11:45**

Woods Hole  
Oceanographic  
Institution at Woods  
Hole, Falmouth,  
United States

Dr. Stephanie Jenouvrier  
& Francesco Ventura

*"Interdisciplinary approaches to Forecasting the Long term Ecological and Demographic impacts of Global Environmental changes of marine predators"*

11:45 – 12:00

IMEDEA  
Ecology and  
Evolution Group

Dr. Giacomo Travecchia  
& Anna Sanz

*"Birds' eye view of oceanic processes"*

12:00 – 12:15

Discussion led by Giacomo Travecchia and Anna Sanz (IMEDEA)

12:15 – 14:15

Lunch

### Session 6

CHAIR for the session: Giacomo Travecchia

14:15 – 15:00

Max Planck Institute  
Germany

Dr. Bernhard Fuchs &  
Dr. Monike Oggerin

*"Microbial life in contrasting marine environments"*

15:00 – 15:15

IMEDEA  
Environmental  
Microbiology Group

Dr. Rafael Bosch  
Zaragoza

*"Environmental Microbiology at IMEDEA: from ecosystems to prokaryotic cell biology"*

15:15 – 15:30

Discussion led by Rafael Bosch Zaragoza (IMEDEA)

15:30 – 15:45

Closure & plan for the next day by Anna Traveset (IMEDEA)



## Day 3 – 4<sup>th</sup> November 2022

09:30 – 12:00

- Walk through the Mediterranean Institute for Advanced Studies (IMEDEA) in Esporles, to see different laboratories.
- Poster Presentation.
- Final discussion and Farewell.