



ANERIS

**operAtional seNsing lifE technologies for maRine
ecosystemS**

Call HORIZON-INFRA-2022-TECH-01

Kick-off Meeting

March 8th and 9th, 2023

BARCELONA, SPAIN



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Horizon Europe Framework Programme (HORIZON)

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101094924

Introduction

ANERIS propose to develop the next generation of scientific instrumentation tools and methods for sensing marine-life. The design of the new instruments and methods will integrate different types of marine life-sensing technologies: genomics, imaging-biooptics and participatory sciences. The technologies will be implemented in a co-design framework, involving all the interested stakeholders: academia, industry, civil society and government.

The project proposes the concept of **Operational Marine Biology (OMB)**, understood as a biodiversity information system for systematic and long-term routine measurements of the ocean and coastal life, and their rapid interpretation and dissemination. The production of FAIR Operational Marine Biology data will be carried out in a distributed IT infrastructure built from edge and cloud compute nodes, to be connected with the European Open Science Cloud (EOSC).

The technologies will be tested and validated in different case studies, involving the ANERIS innovations, commercial instruments to be improved and different world-class research infrastructures (RI). The project will develop a **training program** for the operation and use of these new solutions for all the involved stakeholders and particularly the research infrastructures staff. Overall, the project proposes to benefit all the actors involved in the quintuple helix framework of innovation, promoting innovation and knowledge sharing among them:

- (1) the academy with new life-sensing technologies to use in research;
- (2) the industry with new technologies and methods to exploit;
- (3) the governments, with improved observational systems and data products to be used in environmental management directives;
- (4) the civil society, empowered through the proposed participative technologies and large collaborative networks and
- (5) the Research Infrastructures, integrating new generation of sensing instruments and methods, and their staff being trained on those new technologies.

Participants / Consortium

#	Participating Organisation Name	Short Name	Country
1	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	CSIC	ES
2	EUROPEAN MULTIDISCIPLINARY SEAFLOOR AND WATER COLUMN OBSERVATORY - ERIC	EMSO-ERIC	IT
3	MARINE INSTITUTE	MI	IE
4	UNIVERSITAT POLITECNICA DE CATALUNYA	UPC	ES
5	E-SCIENCE EUROPEAN INFRASTRUCTURE FOR BIODIVERSITY AND ECOSYSTEM RESEARCH	LifeWatch	ES
6	ASSOCIACAO BIOPOLIS	BIOPOLIS	PT
7	EUROPEAN MARINE BIOLOGICAL RESOURCE CENTRE- ERIC	EMBRC-ERIC	FR
8	SORBONNE UNIVERSITE	SU	FR
9	HELLENIC CENTRE FOR MARINE RESEARCH	HCMR	EL
10	EURO-BIOIMAGING ERIC	BIOIMAGING	FI
11	EUROPEAN MOLECULAR BIOLOGY LABORATORY	EMBL	DE
12	STICHTING EGI	EGI	NL
13	QUANTA SYSTEMS, S.L.	QUANTA	ES
14	PENSOFT PUBLISHERS	PENSOFT	BG
15	CYTOBUOY BV	CYBO	NL
16	SCIENCE FOR CHANGE, S.L.	SfC	ES
17	OSLOMET - STORBYUNIVERSITETET	OsloMet	NO
18	MARSBASED S.L.	MarsBased	ES
19	DRIBBA DEVELOPMENT & CONSULTING S.L.	Dribba	ES
20	VLAAMS INSTITUUT VOOR DE ZEE	VLIZ	BE
21	MEDCITIES - MEDCITES	MedCities	ES
22	NORCE NORWEGIAN RESEARCH CENTRE AS	NORCE	NO
23	UNIVERSITY OF HAIFA	UH	IL
24	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	CNRS	FR
25	FEDERACIÓ CATALANA D'ACTIVITATS SUBAQUÀTIQUES	FECDAS	ES

Locations

Day 1 - Wednesday 8th

Meeting part 1

Time: 09:00 - 14:20

Location: Instituto de Ciencias del Mar del Consejo Superior de Investigaciones Científicas, ICM-CSIC

Address: Passeig Marítim de la Barceloneta 37-49, 08003 Barcelona

Metro: Yellow line. **Stop:** Ciutadella Vila Olímpica

<https://goo.gl/maps/KTyUcjwcD9Fu2MwF6>

Meeting part 2

Time: 14:40 - 17:00

Location: Parque de Investigación Biomédica (PRBB) *In front of ICM-CSIC

Address: C/ del Dr. Aiguader, 88, 08003 Barcelona

Metro: Yellow line. **Stop:** Ciutadella Vila Olímpica

<https://goo.gl/maps/FzqSRCR7Zx4edYJP8>

Social Dinner

Time: 19:30

Location: Marina Bay Barcelona

Address: Carrer de la Marina, 19-21, 08005 Barcelona

Metro: Yellow line. **Stop:** Ciutadella Vila Olímpica

<https://goo.gl/maps/6iu4L3CAU8tqNd3FA>

Day 2 - Thursday 9th

Meeting

Time: 09:00 - 14:00

Location: FECDAS | Federación Catalana de Actividades Subacuáticas

Address: Zona Fòrum, Moll de la Vela, 1, 08930 Sant Adrià de Besòs, Barcelona

Metro: Yellow line. **Stop:** El Maresme | Fòrum

<https://goo.gl/maps/udPyiQquyjiH2huNA>

Program

Day 1: **Wednesday 8th,**

Time: **09:00h – 17:00h**

Hour	Topic
Location: ICM-CSIC / Room: Sala d'actes	
09:00 - 09:30	Registration
09:30 - 9:45	Welcome to CSIC - CSIC Director (15')
09:45 - 10:30	Project Overview - Jaume Piera (45') <i>What is ANERIS, context, objectives, WP structure Who is part of ANERIS (coordinating team)</i>
10:30 - 10:45	<i>Questions (15')</i>
10:45 - 11:15	Communication, PENSOFT (WP6) - Gabriela Popova (30') <i>General ANERIS communication guidelines</i>
11:15 - 11:30	<i>Questions (15')</i>
11:30 - 11:50	Coffee break (20')
11:50 - 12:10	Project Management, CSIC (WP1) - Alina Luna (20') <i>Deadlines, deliverables and milestones General meetings Period Reports Financial management</i>
12:10 - 12:20	<i>Questions (10')</i>
12:20 - 13:20	Consortium Presentation - CSIC(60') 1) Who is attending? 2) What do you expect (the main goal) from ANERIS?
13:20 - 14:20	Lunch break (60')
14:20 - 14:40	<i>ANERIS photo and walk to PRBB</i>
Meeting - Part 2	
Location: PRBB / Room: Charles Darwin	
14:40 - 14:50	Coffee time to start with energy (10')
14:50 - 15:30	Living Guidelines (40')
15:30 - 16:45	Networking - SfC (75')
16:45 - 17:00	Closing day 1 (15')
19:30	Social event

Day 2: **Thursday 9th,**
Time: **09:00h – 14:00h**

KoM Part 2

Hour	Topic
09:00 - 09:20	Coffee time to start with energy (20')
09:20 - 09:30	Review agenda (10')
09:30 - 11:45	General brainstorming on OMBs - (2h 15') <ul style="list-style-type: none">• Introduction to co-design - SfC - 7'• Intro to the technologies - Tech. leaders - 33' (3' x tech)• Introduction to the session and case studies - ICM 10'• Brainstorming on OMBs - 1h15'• Workshop conclusions - 10'
11:45 - 12:15	Coffee break (30')
12:15 - 13:00	Developing different Operational Marine Biology (OMB) Data Products (60')
13:00 - 13:10	Coffee break (10')
13:10 - 13:40	PO introduction - Pierre Quertenmont (30') <i>ANERIS and the European Commission</i>
13:40 - 14:00	Summary and closing for the KoM (20')

1. Virtual Link

Topic: ANERIS KoM in Barcelona **Day 1**

Time: Mar 8, 2023 **09:00 AM Madrid**

Join Zoom Meeting

<https://us06web.zoom.us/j/84488897859?pwd=Z2dzSkhCSWI5SC9iTi9rMDhueEZudz09>

Meeting ID: 844 8889 7859

Passcode: 019008

Topic: ANERIS KoM in Barcelona **Day 2**

Time: Mar 9, 2023 **01:00 PM Madrid**

Join Zoom Meeting

<https://us06web.zoom.us/j/85140799291?pwd=QmFCb2RHVTNpdWg2NFdETTljRVh0UT09>

Meeting ID: 851 4079 9291

Passcode: 447984

2. Accommodation

We strongly recommend to look for accommodation in these neighbourhoods:

Distance to CSIC approx:

- Barcelona downtown - El Born, Gòtic (27' walking and 14' in public transportation),
- Barceloneta (15' walking, 10' in public transportation),
- Vila Olímpica (CSIC is in this one),
- Poblenou - in Sant Martí (25' walking, 20' in public transportation), or
- anything close to the **L4 Metro line (yellow)**