



EMBRC
EUROPEAN
MARINE
BIOLOGICAL
RESOURCE
CENTRE

EMBRC-ERIC -

Opportunities for
EuroMarine to use EMBRC
facilities in 2020

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EMBRC ?

- European Research Infrastructure
- Advance marine science and unlock the potential of of the marine environment
- Providing high quality scientific **services** to the marine community
 - Industry
 - Scientific community

Distributed Research Infrastructure

- 32 sites
- 9 countries
- Leading marine biological stations and marine research institutes
- EuroMarine members identified as important user group



We offer...

SERVICES

Biological resources



Ecosystem access



Experimental facilities



Technology platforms



Training and education



E-infrastructure, data and services

cdn12p0003i18	165.00
cdn07p0002m09	184.00
did12	226.00
cdn02p0003p14	230.00
cdn02p0003i22	243.00
sap-d000300	245.00
cdn07p0002e17	270.00
cdn07p0006e14	270.00
cdn12p0006h23	270.00
cdn08p0001p23	270.00
cdn01p0001e13	297.00
cdn03p0002i09	297.00
cdn04p0005g04	297.00
cdn08p0002b16	297.00
cdn13p0005g09	301.00

Supporting facilities



Expert advice



EMBRC Science Strategy 2020-2023

- Perform R&D to develop new services to support research trends
- UN Decade of the Ocean – sustain observation and monitor biodiversity for the future
- Horizon Europe Missions:
 - healthy oceans, seas coastal and inland waters
 - Cancer (new treatments from marine organisms)
 - adaptation to climate change (understanding impact on the ocean and man)
 - soil health and **food** (aquaculture, food additives, etc)

EMBRC Science Strategy 2020-2025

- Biodiversity, monitoring, characterisation & taxonomy
 - Genomics Observatories
 - Taxonomic Services
 - Bioprospecting platform
- Domestication of marine species
 - Increase culture collections & improve preservation technology
 - Increase commercially important strains
 - Gain competencies in scale-up
- Develop post-genomic tools for marine species
 - Identification of natural products
 - Functional genomics technologies & high through-put phenotyping techniques
- Develop experimental systems for a changing world
 - Continue to develop sophisticated experimental systems
 - Provide access to large-scale facilities and long-term experiments

For free?

- Yes, based on competitive calls
 - EU-H2020 ASSEMBLE + project
 - **Last** call for proposals closes 24 april 2020
 - See www.assembleplus.eu
- outside / beyond ASSEMBLE+:
 - Service fee required

EMBRC offer for EuroMarine

- Support forward thinking of EuroMarine
- Fund 10 projects of 5000 euro
- Young Scientists (OYSTER definition)
- EuroMarine members
- Funding for service provisioning by EMBRC operator
 - Not: travel, lodging, food...
- Transnational
 - Requested service is another country than affiliation PI
- Project fits the EuroMarine Scientific Strategy

Example 1

- PhD student, National Institute of Biology, Slovenia
- Service request:
 - Phytoplankton sampling in Crete (HCMR), Portugal (CCMAR) and Belgium (RBINS)
 - Molecular analyses by SZN Napoli

Example 2

- 1st post-doc position, University of Bergen
- Service request:
 - Sample intertidal invertebrates in Belgian estuary
 - Perform ocean acidification experiments (UGent)
 - Perform fatty acid analyses (UGent)

Suggested approach

- EuroMarine launches call
- EuroMarine selects proposals for funding
 - Transparent
 - EuroMarine Scientific Strategy
 - Envisaged deadline: May 2020
- EMBRC perform feasibility check
- Research visit/service provisioning: second half of 2020
- Service invoice paid by EMBRC

Questions?



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