

# Welcome Introduction Summary reporting

Catherine Boyen, Philippe Cury

**6th General Assembly meeting** 16-17 January 2020  
Marine Biology Station Piran,  
Slovenia

From genes to ecosystems in changing oceans  
[www.euromarinenetwork.eu](http://www.euromarinenetwork.eu)

## Objectives of the EuroMarine 2020 General Assembly meeting

As we prepare to enter the UN Decade for Ocean Science, EuroMarine intends to continue to contribute to filling gaps (e.g. as identified in IPCC reports, IPBES assessments, or concerning the implementation of the UN SDGs), to identify priorities for an EU Ocean Mission, and to move towards a sustainability science able to address the major global challenges facing the marine environment

- **Day 1** (16 Jan.) is devoted to reporting, invited presentations, presentation and discussion of EuroMarine activities (funded in 2018 and carried out in 2019), and general discussion. Posters will be displayed, covering EuroMarine 2019 activities as well as research carried out by young scientists from the OYSTER group or projects led by members or external invitees.
- **Day 2** (17 Jan.) **AM** is devoted to formal business and decision-making.

## What is EuroMarine?

- ▶ Self-sustained Network (membership fees)
- ▶ Long-term (10 years, renewable)
- ▶ Coordinated by CNRS and IRD
- ▶ Secretariat (1 person) hosted by IRD
- ▶ Light Governance
- ▶ Forum for debate and discussion

# EuroMarine - a bottom-up approach to promote integrated and multidisciplinary methods to address global challenges in the marine environment



**2004**

- **Three FP6 Networks of Excellence** and their follow-up structures

**2014**

- **Launch of the EuroMarine network** - Paris
- 42 Organisations, 19 Countries, 19 Activities

**2016**

- **2<sup>nd</sup> GA Meeting, CCMAR, Olhao**
- New website launched
- 73 Organisations, 23 Countries, 15 Activities

**2018**

- **4<sup>th</sup> GA Meeting, CIIMAR, Porto, Portugal**
- Ending of transitional invited membership programme
- 59 Organisations, 22 Countries, 11 Activities, 20 Fellowships

**2020**

- **6<sup>th</sup> GA Meeting – NIB, Piran, Slovenia**  
**16–19 January**

• New network designed by **FP7 preparatory project**

**2011**

• **1<sup>st</sup> GA meeting – SZN, Naples**

- 68 Organisations, 22 Countries, 18 Activities

**2015**

• **3<sup>rd</sup> GA Meeting – CLORA, Brussels**  
*Blue Science for Blue Growth* event

- 74 Organisations, 23 Countries, 11 Activities, 23 Fellowships

**2017**

• **5<sup>th</sup> GA Meeting – UCA/CEIMAR, Cádiz**

- Operational launch of EuroMarine legal entity
  - 2014-2017 summary report
  - 60 Organisations, 22 Countries, 10 Activities, 20 Fellowships

**2019**



# EuroMarine Network

## EuroMarine Consortium's General Assembly (GA)

60 Member Organisations in 22 countries (52 voting and 8 non-voting)

PROPOSAL  
▼ DECISION ▲

Scientific  
coordination

### Chairs

Catherine  
BOYEN  
(CNRS)



Philippe  
CURY  
(IRD)

Ex-officio SC members

## Steering Committee (SC)

including 15 elected members

REPORTING ▲  
▼ EXECUTION

CONSORTIUM MEMBERSHIP  
CONTRIBUTIONS

EXTERNAL  
FUNDING

### Secretariat

Pierre-François BAINÉE  
*Executive Director*  
(IRD, Sète, France)

Keegan PORTER  
*Communications Officer*  
(AquaTT, Dublin, Ireland)

### EuroMarine Association

Support structure under  
SC and GA supervision

COORDINATION

### Scientific activities

FUNDING

> Led by Member Organisations  
*Foresight Workshops, Conferences, Workshops,  
Workgroup Meetings, Courses, Flagship Programmes,  
Fellowship Programmes...*

### Network Services

## Mixed legal framework

- Consortium (2014)
- Legal entity (2019)

### EuroMarine Association

Open to any member organisation of the EuroMarine Consortium  
(initial members: IRD, SZN, DTU Aqua)

### Association's General Assembly (GA)

ELECTS

Philippe CURY (IRD) **President**  
Patrizio MARIANI (DTU Aqua) **Vice-President**  
Donatella DE PASCALE (SZN) **Treasurer**  
Pierre-François BAINÉE (IRD) **Secretary General**

Bureau

▲ NOMINATES

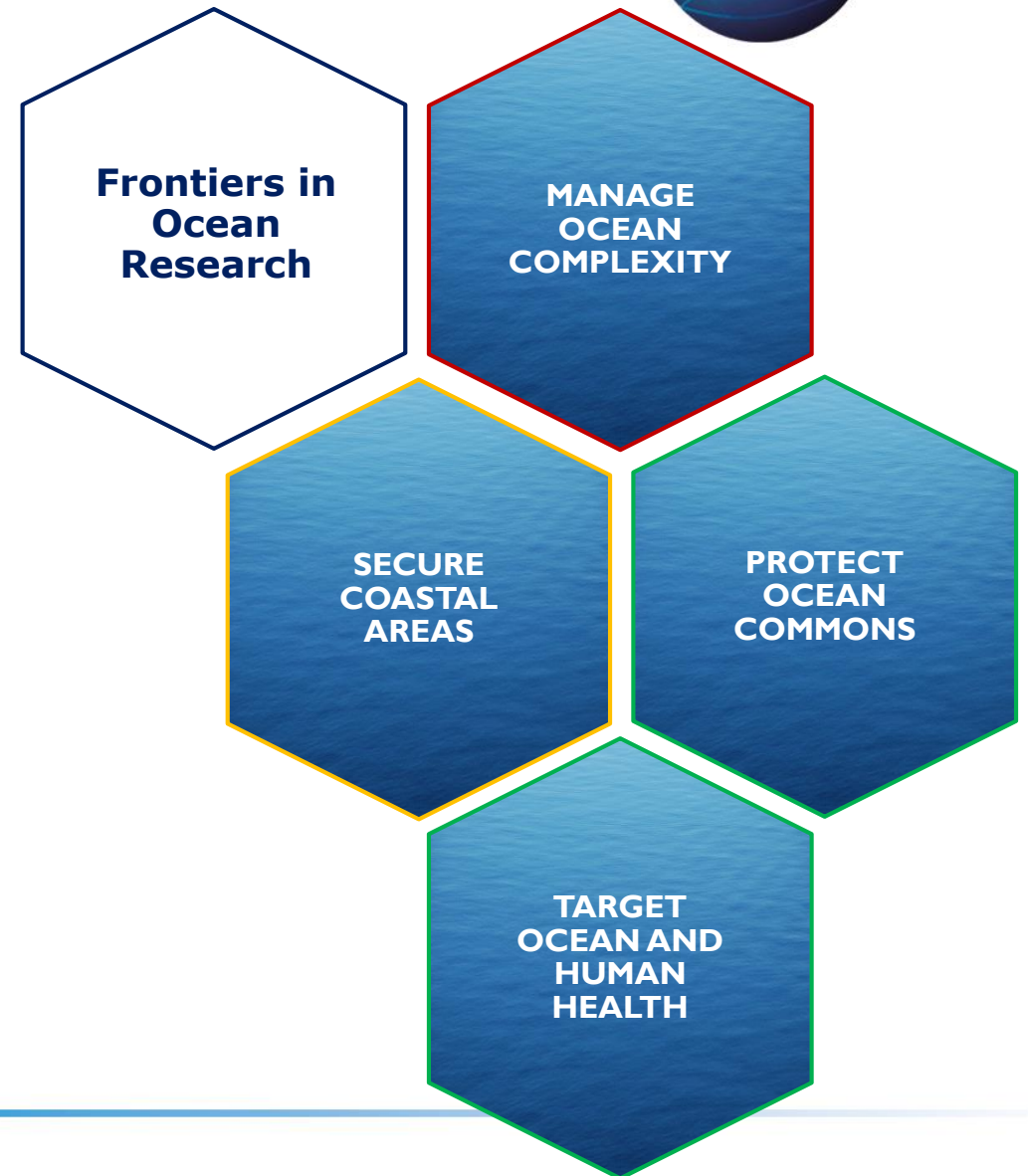
Board

3 to 8 members elected for a 3-year mandate among  
individuals belonging to the members of the Association

⇒ External funding  
made possible  
for 2020

# What is EuroMarine for?

- ▶ Identification and initial development of:
  - ▶ emerging scientific topics
  - ▶ associated methodologies
- ▶ Foster new services
  - ▶ networking, news
  - ▶ mobility, education training, scholarly services
  - ▶ data, infrastructure
- ▶ Advocacy
  - ▶ improve science-governance interface
  - ▶ provide latest scientific expertise
  - ▶ knowledge exchange and mobilization
  - ▶ Science diplomacy



# The network covers a wide range of disciplines

Climate  
Physical  
Chemical  
Biological  
Biogeochemistry

**Oceanography**

**Biodiversity**

Policy  
Pollution  
Systematics  
Conservation  
Biogeography  
Invasive species  
Economic valuation

Evolutionary Ecology  
Community Ecology  
Genetics/Genomics  
Population Ecology  
Acclimation  
Adaptation  
BEF

**Marine  
Ecology/Biology**

**Fisheries and  
aquaculture**

Ecosystem end-to-end  
Population dynamics  
Ecosystem approach  
Ecosystem Services  
Global change



# What Euromarine offers to its community?

Greater visibility, opportunities and tools for marine scientists and their organisations

- ▶ Identify science priorities
- ▶ Provide new perspectives to
  - ▶ Facilitate long term integration of data
  - ▶ Build bottom-up links
  - ▶ Enhance education and training
- ▶ Engage with marine networks
  - ▶ Knowledge hub for marine science
  - ▶ Lobby for marine assessments
  - ▶ Share resources, infrastructure, knowledge





# EuroMarine at the International Level



**We advocate for the inclusion of the ocean on all future political agendas through scientific and fact-based decision making**



**European Parliament Brussels 8 February 2017**



**Responsive and creative science to help tackle current and emerging issues and challenges in the marine environment**



**OCEAN FRONTIERS FOR SUSTAINABLE DEVELOPMENT**

CONTRIBUTING TO THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS & THE UNITED NATIONS DECADAL OF OCEAN SCIENCE INITIATIVES



## FRONTIERS IN OCEAN RESEARCH

The Ocean is the cradle of life and the central component making our planet habitable. Being the largest ecosystem supporting life on Earth, it is paramount we maintain and restore its health in a global context. Thus, the Ocean needs to be present on every agenda for the sustainable development of the world's population, societies and economies. This manifesto advocates for the increased understanding, protection and management of the Ocean to support the health and wellbeing of present and future generations.

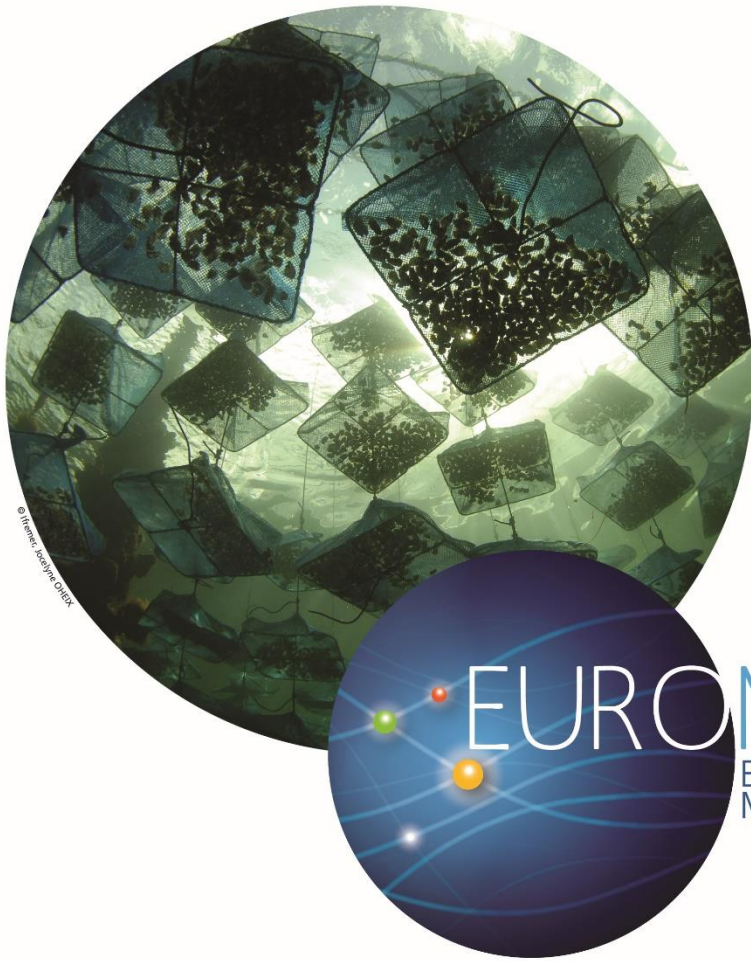
DOI: 10.5281/zenodo.1494917



## IPBES 7TH PLENARY OPENING SURPRISE SHOW - *STEPS FOR A CHANGE*

- ▶ Unesco, Paris, 29 April 2019
- ▶ Co-sponsored by EuroMarine
  - ▶ By Emily Lartillot (dance teacher and choreographer), Yunne Shin (IRD marine ecologist, coordinating lead author of the IPBES Global Assessment on Biodiversity and Ecosystem Services).
- ▶ IRD Images has filmed and edited the moving performance of 14 girls dancing for biodiversity





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# 2019 REPORTING



EUROMARINE

EUROPEAN  
MARINE RESEARCH  
NETWORK



# EuroMarine Funding Calls (update 2019)

2014

- ▶ **19** activities/50 proposals
- ▶ 193,000 €
- ▶ 53 Full MOs involved

2015

- ▶ **18** activities/34 proposals
- ▶ 110,200 €
- ▶ 56 Full MOs involved

2016

- ▶ **15** activities/28 proposals
- ▶ 99,880 €
- ▶ 46 Full MOs involved

2017

- ▶ **11** activities/16 proposals
- ▶ 89,873 €
- ▶ 51 Full MOs involved

2018

- ▶ **11** activities/17 proposals
- ▶ 72,500 €
- ▶ 43 Full MOs involved

2019

- ▶ **10** activities/19 proposals
- ▶ 74,770 €
- ▶ 38 Full MOs involved as of proposal stage

53 Foresight workshops



13 Working group meetings



12 Capacity building and training courses



6 Workshops & other



## EuroMarine funding calls 2014 - 2019

- ▶ Since 2014 EuroMarine has contributed over 640,000€ in funds to support *84 collaborative and bottom-up marine activities*, with nearly *2,500 scientists* involved in these innovative activities to date.
  - ▶ Completed:
    - ▶ 43 Foresight workshops
    - ▶ 12 Capacity building and training courses
    - ▶ 12 Working groups
    - ▶ 6 Workshops & Other
  - ▶ Upcoming:
    - ▶ 10 Foresight workshops
    - ▶ 1 Working group
- ▶ *Topics covered to date:* ecosystems, modelling, genomics, molecular, biogeochemistry, diatoms, ecology, fisheries, coastal resilience, global change, policy, chemical, biodiversity, MSP, biotechnology, evolution, governance, conservation, functional biology, social transformations, biomarkers.



## Summary of Outcomes\*

- ▶ 73 activities across Europe
- ▶ 2,498 activity participants so far
- ▶ 14 talks given at high level events
- ▶ 26 published papers
- ▶ 40 publications being worked on
- ▶ 2 special issues (with 25 papers between them)
- ▶ 9 follow-up projects funded/joined (4 H2020, 2 MSCA, 1 MRSEI, 2 COST Action)

\* 2019. Based on available information and updates from activity leaders.



# Notable 2019 events

- ▶ Operational launch of the EuroMarine Association



- ▶ Completion of the EuroMarine *summary report on 2014-2017 activities*



- ▶ Showcased on the EuroMarine booth at the *EuroOCEAN 2019* conference (Paris, 11-12 June 2019)



- ▶ Printed copies distributed to all GA representatives



## 2014-2017 Synthesis Report

- ▶ In 2019 the EuroMarine Synthesis Working Group finalised a report summarising the network's 2014-2017 accomplishments.
- ▶ As part of this report, a number of **infographics** were produced demonstrating the impact of EuroMarine across Europe and beyond.
- ▶ The following slides present some of these key figures.

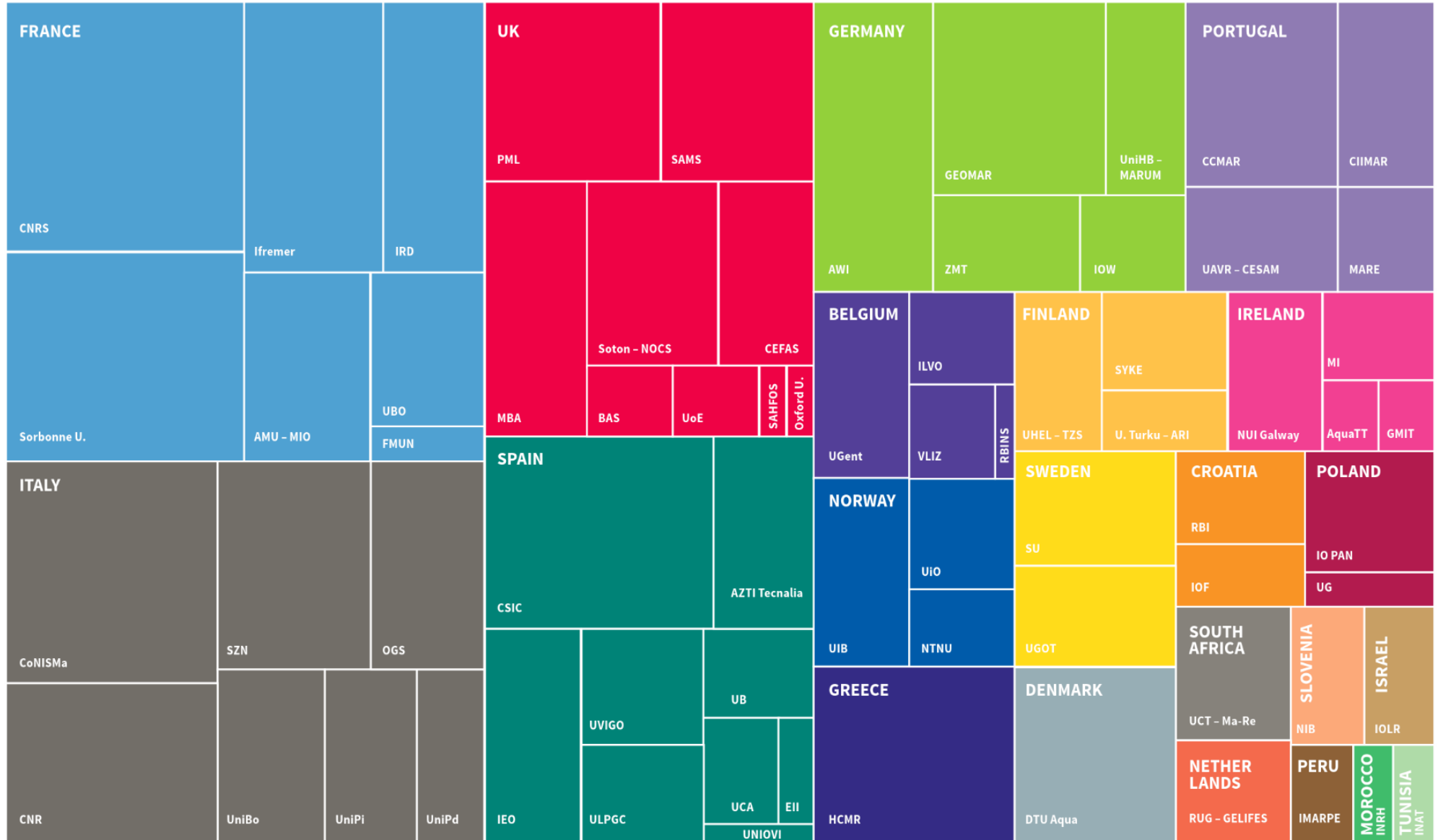
# An active network across Europe



Between 2014 and 2017, the average Member Organisation participated in over eight EuroMarine-funded activities.

This Tree Map represents the relative, actual participation of countries and organisations in these activities.

It encompasses 1281 individual participants and over 63 activities.



# EuroMarine activities connect researchers from around the world



EuroMarine facilitates thousands of interactions between researchers from Member Organisations and beyond, including many international researchers from outside Europe. This graph captures these interactions and demonstrates EuroMarine's role in fostering a truly global network of scientists.

The EuroMarine group shown here includes all organisations that were members between 2014 and 2017, regardless of their regional location. The rest of the circles (including regions of Europe) capture the participation of non-EuroMarine organisations and individuals.

The size of the circles corresponds to the number of organisations in the group. The thickness and darkness of the connecting lines corresponds to the number of mutual individual interactions made possible by their scientists' joint participation in EuroMarine activities.

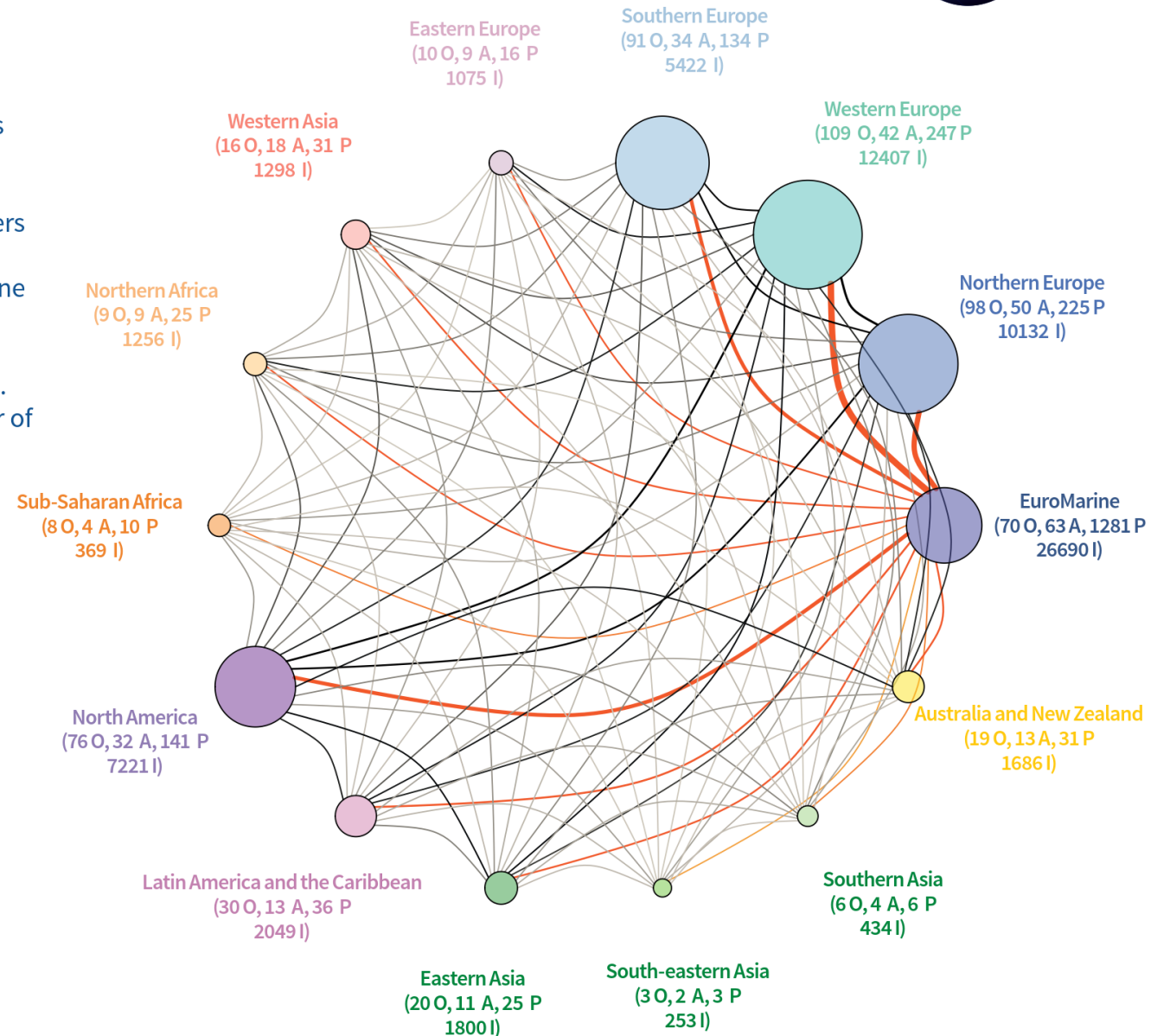
Similar graphs showing pairwise interactions separately for each of the 14 groups are available at: [euromarinenetwork.eu/plots\\_regional\\_2014-2017\\_interactions](http://euromarinenetwork.eu/plots_regional_2014-2017_interactions)

**O:** number of organisations

**A:** number of activities organisations from the group participated in

**P:** number of individual participations in EuroMarine activities

**I:** number of individual interactions between scientists from the group and scientists from all other groups, as made possible by their joint participation in EuroMarine activities.

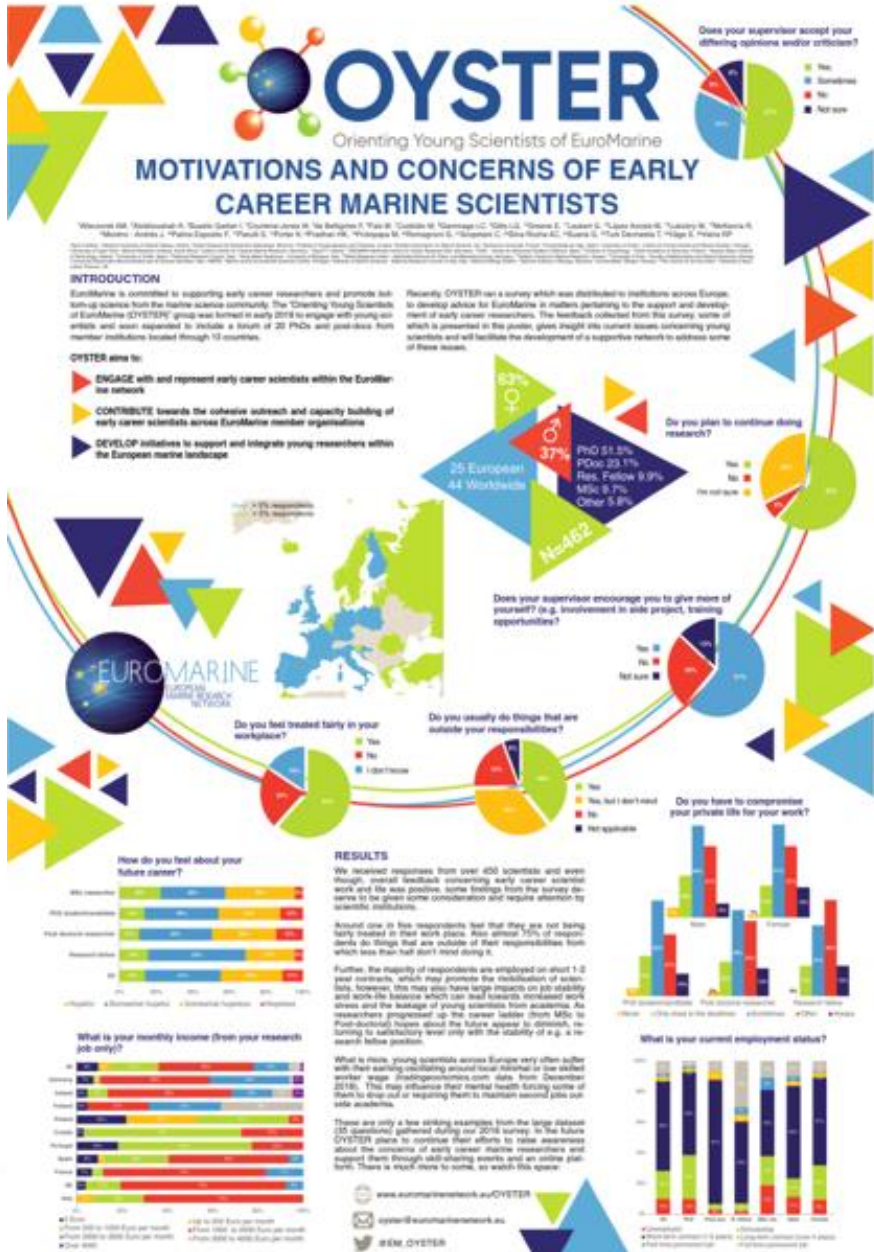




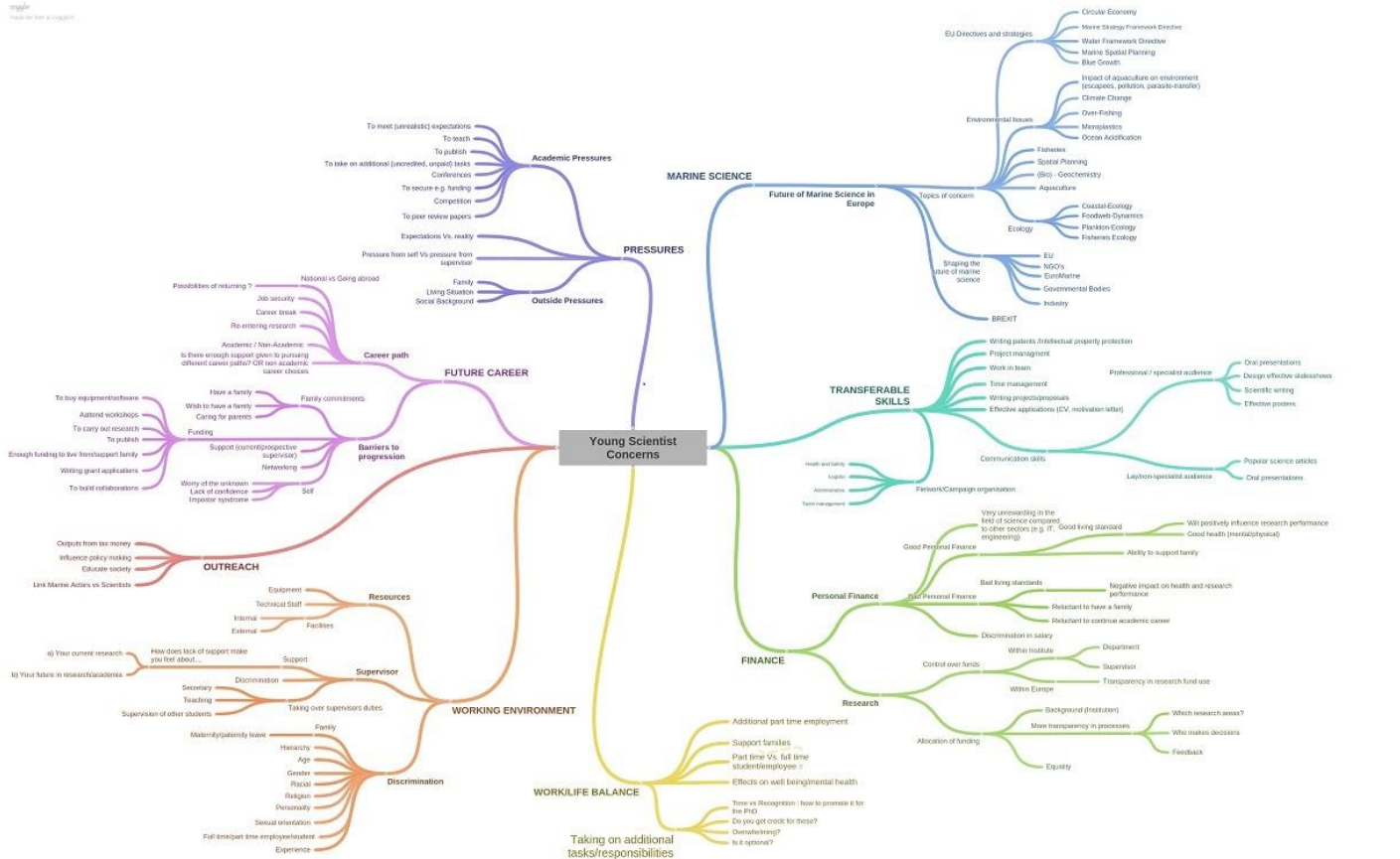




# EuroMarine's Early Career Scientists, the OYSTER WG



## Mobilising marine scientists of tomorrow



# Individual Fellowship Programme

- ▶ Beginning in 2017 and in its third year, EuroMarine granted individual fellowships to let EuroMarine PhD students and scholars in their first post-doctoral position attend an advanced course of their choice
- ▶ Up to €500 to cover direct costs related to participating in a training event
  - ▶ 60 early career marine scientists funded to date
    - ▶ 44 PhD students and 16 post-docs
  - ▶ In 2019: 15 Member Organisations from six countries
  - ▶ Total funding paid to date: €27,553.79



## EUROMARINE INDIVIDUAL FELLOWSHIP PROGRAMME 2019

 **20 Early Career Scientists**  
14 PhDs and 6 Post-docs were awarded funding to attend a training course of their choice

 **6 Countries**  
and 15 member organisations are represented by these scientists, who were selected for courses in 10 different countries

 **Undertaking Training**  
in diverse areas including: robotics, biogeochemistry, oceanography, biotechnology, toxicology, blue growth, genomics, marine & maritime policy, scientific diving, taxonomy, data analysis and microbial processes

 **Advancing Marine Science**  
is the overall objective of the €9,700 programme funding budget for 2019. Capacity building for young scientists is key to advancing Blue Skills and Blue Growth

# 2019 Call for Proposals - Outcome

- ▶ Two eligible categories of activities:
  - ▶ Foresight Workshops (horizon scanning, FWS)
    - ▶ max funding 7,500 €
  - ▶ EuroMarine Working Groups (WG) addressing strategic services or issues and reinforcing the network
    - ▶ max funding: 5,000 €
- ▶ 21 proposals received
- ▶ 19 eligible (17 FWS, 2 WG)
- ▶ 10 funded (9 FWS, 1 WG)
- ▶ Overall funding: **74,770 €**



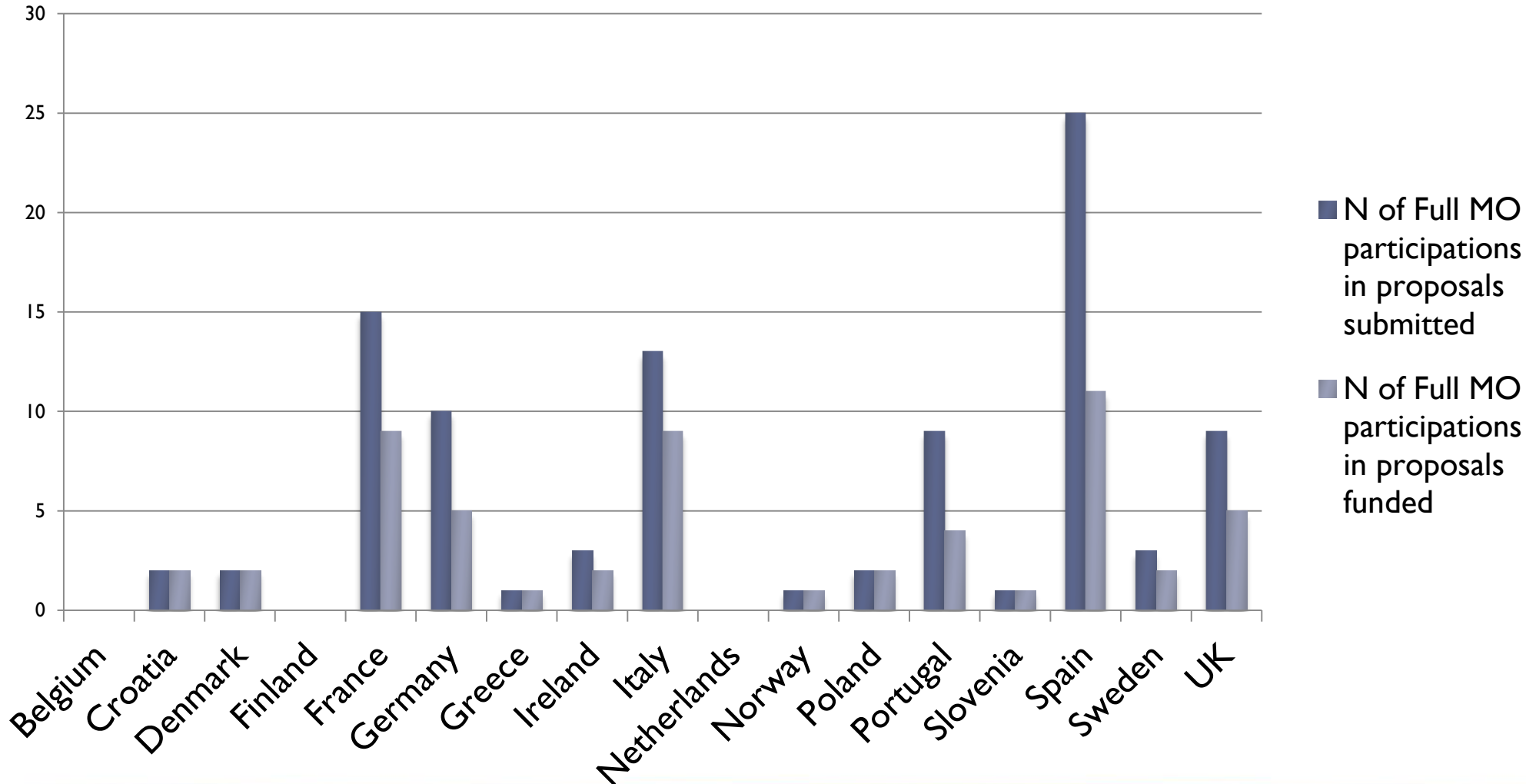
## 2019 Funded Activities

- ▶ **FWS (7,500 €) ECOMES** - Coral Ecology and Conservation in Mesophotic Temperate Ecosystems
- ▶ **FWS (7,500 €) EFIMBA** - Incorporating Ecosystem Functioning In Marine Biodiversity Assessments
- ▶ **FWS (7,500 €) M3E** - Multi-Modelled Marine Ecosystems
- ▶ **FWS (7,500 €) HABMODPRED** - Modelling and Prediction of Harmful Algal Blooms, from Event Responses to Multidecadal Projections
- ▶ **FWS (7,460 €) MODIV** - Modelling Different Components of Marine Plankton Biodiversity
- ▶ **FWS (7,500 €) TUTTI** - From Species Connectivity to Functional Connectivity

## 2019 Funded Activities (cont.)

- ▶ **FWS (7,310 €) ECOLIGHT** - Emergent Impacts on Coastal Areas: Adding the Role of Light Pollution to the Management and Protection of Ocean Commons
- ▶ **FWS (7,500 €) 3DSEAFOR** - Developing Technology and Methods for the Precise Investigation of Marine Animal Forest 3D-Structural Complexity
- ▶ **FWS (7,500 €) MODEL-EDC** - Threats of Endocrine-Disrupting Compounds and Environmental Pollutants to the Marine Biosphere: Translating Models to Real Life
- ▶ **WG (7,500 €) OYSTER II** - Orienting Young Scientists of EuroMarine II
- ▶ **Other (2,000 €)** - STEPS for a Change (Surprise Opening Dance Show at the IPBES 7th Plenary)

## Involvement of countries in submitted and funded proposals

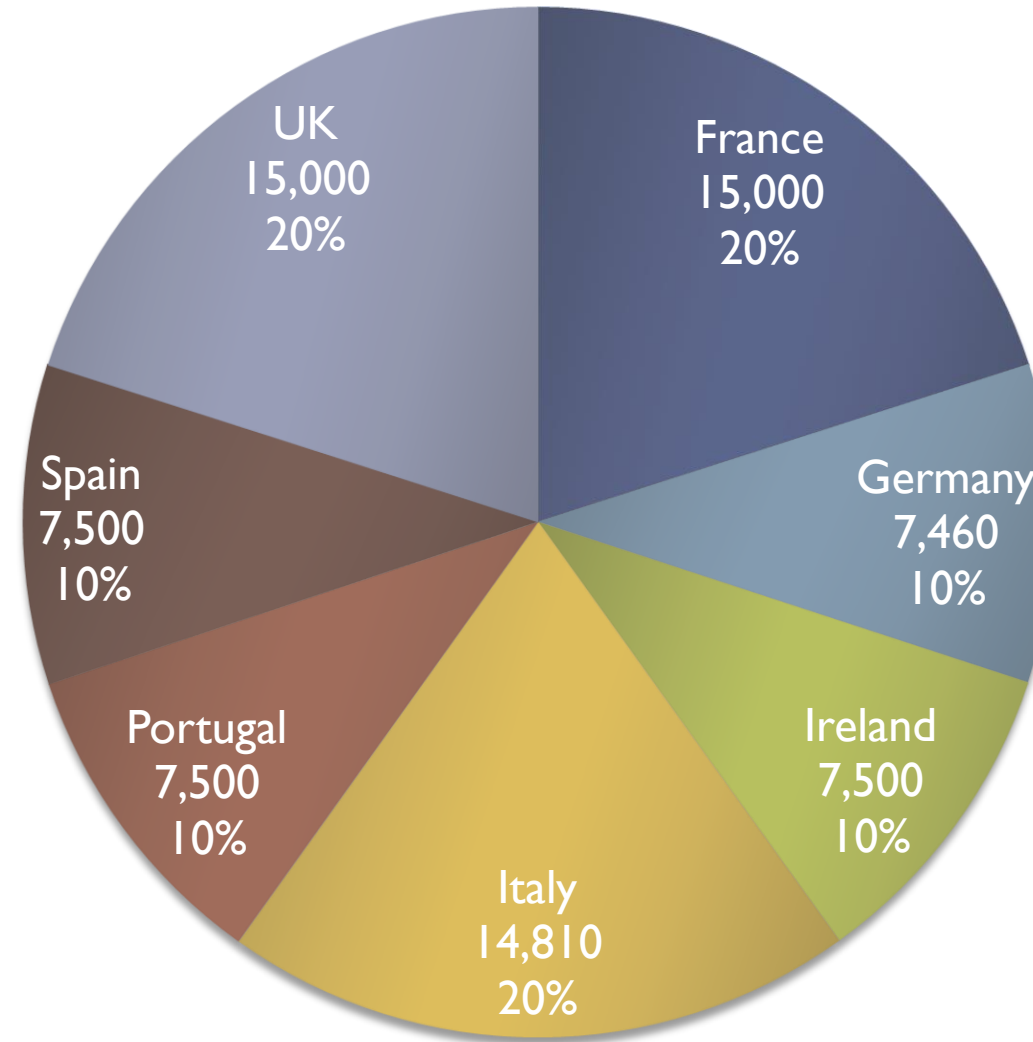


As reflected per the number of times Full MOs from a given country appear in proposals, be it as manager (M), co-organiser (C) or other key participant (K)



# Budget numbers

Considering managing organisations only



- France
- Germany
- Ireland
- Italy
- Portugal
- Spain
- UK

# EuroMarine Member Organisations involved in proposals funded in 2019 (M, C, K participation)

- HR
- DK
- FR
- DE
- EL
- IE
- IT
- NO
- PL
- PT
- ES
- SE
- UK
- ZA



# **EuroMarine at a Tipping point... or not?**

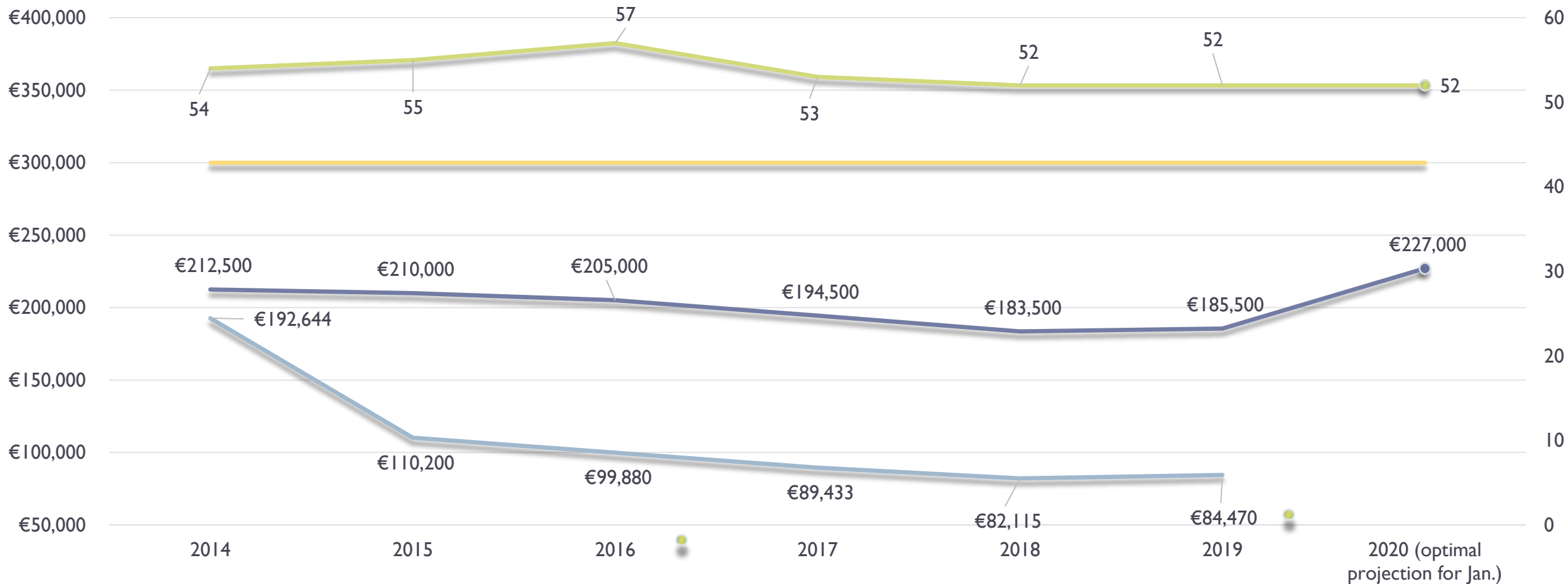




## **Sustainability implies a higher budget and workforce**

- ▶ Significant Achievements so far but they rest on:
  - ▶ a budget below that prescribed in the business plan
  - ▶ an insufficient Secretariat workforce
- ▶ 2020 should be seen as a decisive year
- ▶ Decisions ahead on Day 2
  - ▶ Vote on minimum membership fee increase from €2,500 to €3,500
  - ▶ Revision of the Association statutes (general interest & issuance of fiscal receipts)
  - ▶ 3 fronts to increase the budget
    - ▶ Membership expansion / Donations / Projects
  - ▶ Increased commitment from SC members
  - ▶ Ways to strengthen the Secretariat or else lighten the usual programme and workload in this transitional year

# Number of full members, contributions and calls budget in time (2014-20)



- Membership contributions @ IRD or Association
- Yearly calls budget
- Minimum contributions target in initial business plan
- Number of full member organisations

**Thank you for your  
attention**



**[www.euromarinenetwork.eu](http://www.euromarinenetwork.eu)**