



## Eneko Aspillaga Cuevas

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I am a marine ecologist interested in fish behaviour, the impact of human activities on marine ecosystems, and marine protected areas. My research mainly focuses on the behavioural ecology of fishes, studying the complex responses of individuals and populations to their environment, the impact of fisheries and climate change, and the effectiveness of conservation actions.

I obtained my B.Sc. degree in Biology at the University of the Basque Country in 2010 and a M.Sc. in Marine Sciences at the University of Barcelona in 2011, being awarded the prizes to best academic expedient by both universities. In 2013, I obtained a competitive fellowship to undertake a Ph.D. (FPU, Spanish Government), which I defended with honours at the University of Barcelona in 2017.

In 2011, I joined the Marine Biodiversity Conservation Group (MedRecover, University of Barcelona), and I got involved in several research projects and monitoring programs, including national and locally funded projects as well as European projects, to study the temporal variation and the impact of climate change on benthic ecosystems in marine protected areas. In this context, my Ph.D. featured a multidisciplinary approach to study the movement ecology of marine fishes along the coast, merging field observations with novel tracking technologies and advanced statistical analysis techniques in order to better understand the behaviour of the species and provide key information to inform management actions. I did my Ph.D. in collaboration with the Theoretical and Computational Ecology Laboratory at the Centre for Advanced Studies of Blanes (CEAB, CSIC). Following my Ph.D., I worked as a Postdoctoral Researcher at the University of Barcelona (1.5 yr) and the University of Perpignan (France, 1.5 months).

In 2019, I obtained a competitive Postdoctoral Fellowship from the Government of the Balearic Islands (Margalida Comas program) to join the Fish Ecology Group at the Mediterranean Institute for Advanced Studies. Here, I started a project to unveil the causes and consequences of the behavioural variability in wild fish populations and the impact of recreational fisheries, leading the application of novel high-resolution acoustic telemetry techniques to unveil the fine-scale behavioural patterns of coastal species from the Balearic Islands, in collaboration with the highly productive researchers Dr. Josep Alós (IMEDEA-CSIC) and Dr. Robert Arlinghaus (IGB, Germany). Moreover, during the 2019-2021 period, I become an active part of a large international researcher community (the European Tracking Network), by participating in and organizing meetings, projects, and research papers.

To date, I have authored 18 publications in Q1 SCI journals, 17 technical reports for national and regional governments, two book chapters, and two scientific monographs. The research in which I have participated has been presented 29 times in international conferences. A large part of my research was achieved in collaboration with international colleagues in projects and publications (e.g., USA, Germany, France, UK, Norway). I have performed research stays in national and international centres such as the Blanes Center for Advanced Studies (CSIC, Spain), the Max Planck Institute for Ornithology (Radolfzell, Germany), and the University of Perpignan (France).



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

- 18 articles in SCI journals (all in Q1), 11 of them since 2019. 2 book chapters and 2 chapters in scientific monographs.
- 239 citations, 82 in 2021 (Google Scholar) / 166 citations, 65 in 2021 (Scopus)
- h-index = 7 (Google Scholar) / 7 (Scopus)
- 17 scientific reports for regional and national administrations
- 29 contributions in international conferences and workshops (11 in 2021)
- 4 supervised M.Sc. Thesis (University of the Balearic Islands, 2019 and 2021x2; University of Barcelona, 2021)



## Eneko Aspillaga Cuevas

Surname(s): **Aspillaga Cuevas**  
Name: **Eneko**  
ORCID: **0000-0002-8888-8731**  
ScopusID: **56585932600**  
Nationality: **Spain**  
Contact address: **Institut Mediterrani d'Estudis Avançats (IMEDEA, CSIC-UIB)**  
Rest of contact address: **C/ Miquel Marquès, 21**  
Postcode: **07190**  
Contact country: **Spain**  
Contact aut. region/reg.: **Balearic Islands**  
Contact city: **Esporles**  
Email: **aspillaga@imedea.uib-csic.es**

### Current professional situation

**Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Department:** Institut Mediterrani d'Estudis Avançats (IMEDEA)  
**Professional category:** Research Assistant  
**Start date:** 01/04/2021  
**Type of contract:** Temporary      **Dedication regime:** Full time

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Consejo Superior de Investigaciones Científicas	Postdoctoral Research Fellow (Margalida Comas Program, CAIB)	01/03/2019
2	Université de Perpignan Via Domitia	Research Associate	21/01/2019
3	Fundació Bosch i Gimpera	Research Assistant	01/07/2017
4	Universitat de Barcelona	Postgraduate Research Fellowship (FPU, AP2012-0141)	01/06/2013
5	Fundació Bosch i Gimpera	Postgraduate Research Assistant	01/01/2012

- 1** **Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Department:** Institut Mediterrani d'Estudis Avançats  
**Professional category:** Postdoctoral Research Fellow (Margalida Comas Program, CAIB)  
**Start-End date:** 01/03/2019 - 28/02/2021      **Duration:** 2 years  
**Type of contract:** Temporary
- 2** **Employing entity:** Université de Perpignan Via Domitia      **Type of entity:** University  
**Department:** Centre de formation et de Recherche sur les Environnements Méditerranéens



**City employing entity:** Perpignan, France  
**Professional category:** Research Associate  
**Start-End date:** 21/01/2019 - 28/02/2019      **Duration:** 1 month - 11 days  
**Type of contract:** Temporary

**3** **Employing entity:** Fundació Bosch i Gimpera      **Type of entity:** University Centres and Structures and Associated Bodies  
**Department:** Departament de Biologia Evolutiva, Ecologia i Ciències Ambientals, Universitat de Barcelona  
**City employing entity:** Barcelona, Spain  
**Professional category:** Research Assistant  
**Start-End date:** 01/07/2017 - 31/12/2018      **Duration:** 1 year - 6 months  
**Type of contract:** Temporary

**4** **Employing entity:** Universitat de Barcelona      **Type of entity:** University  
**Department:** Department of Ecology, Universitat de Barcelona  
**Professional category:** Postgraduate Research Fellowship (FPU, AP2012-0141)  
**Start-End date:** 01/06/2013 - 31/05/2017      **Duration:** 4 years  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time

**5** **Employing entity:** Fundació Bosch i Gimpera      **Type of entity:** University Centres and Structures and Associated Bodies  
**Department:** Department of Ecology, Universitat de Barcelona  
**Professional category:** Postgraduate Research Assistant  
**Start-End date:** 01/01/2012 - 31/05/2017      **Duration:** 1 year - 5 months  
**Type of contract:** Temporary  
**Dedication regime:** Full time



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

- 1 **University degree:** Official Master  
**Name of qualification:** Master in Marine Sciences: Oceanography and Marine Environmental Management  
**Degree awarding entity:** Universitat de Barcelona **Type of entity:** University  
**Date of qualification:** 2011  
**Average mark:** Excellent  
**Prize:** Extraordinary Master Award (2010/2011)
- 2 **University degree:** Higher degree  
**Name of qualification:** Bachelor of Science in Biology  
**Degree awarding entity:** Universidad del País Vasco **Type of entity:** University  
 - Euskal Herriko Unibertsitatea  
**Date of qualification:** 2010  
**Average mark:** Excellent  
**Prize:** Extraordinary Degree Award (2009/2010)

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Ecología Fundamental y Aplicada  
**Degree awarding entity:** Universitat de Barcelona **Type of entity:** University  
**Date of degree:** 26/07/2017  
**Thesis title:** Movement ecology of coastal fishes in a marine protected area: implications for management and conservation  
**Thesis director:** Bernat Hereu Fina  
**Thesis co-director:** Frederic Bartumeus Ferré  
**Obtained qualification:** Excellent Cum Laude  
**Recognition of quality:** Yes

### Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 **Training title:** Python avanzado on line  
**Awarding entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 20/10/2020 **Duration in hours:** 40 hours
- 2 **Training title:** Nivel Básico Prevención de Riesgos Laborales  
**Awarding entity:** Previcat **Type of entity:** Healthcare Institutions  
**End date:** 18/06/2020 **Duration in hours:** 50 hours



- 3** **Training title:** Iniciación a la programación en Python on line  
**Awarding entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 15/05/2020 **Duration in hours:** 30 hours
- 4** **Type of training:** Course  
**Training title:** Modeling species distributions: methods and applications  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Institut de Ciències del Mar (ICM-CSIC) **Type of entity:** R&D Centre  
**Training manager:** Maria G. Pennino  
**End date:** 02/03/2018 **Duration in hours:** 24 hours
- 5** **Type of training:** Workshop  
**Training title:** Uhinak. II Congreso transfronterizo sobre Cambio Climático y Litoral  
**City awarding entity:** Irun, Spain  
**Awarding entity:** AZTI Tecnalia **Type of entity:** Technological Centre  
**End date:** 28/09/2016 **Duration in hours:** 16 hours
- 6** **Type of training:** Course  
**Training title:** Introduction to Meta-Analysis in Ecology  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Departament d'Ecologia, Universitat de Barcelona **Type of entity:** University  
**Training manager:** Veronica Ferreira  
**End date:** 18/09/2015 **Duration in hours:** 30 hours
- 7** **Type of training:** Course  
**Training title:** Animove 2015: Animal Movement Analysis for Conservation  
**City awarding entity:** Front Royal, United States of America  
**Awarding entity:** Smithsonian- Mason School of Conservation, George Mason University **Type of entity:** University  
**End date:** 24/04/2015 **Duration in hours:** 80 hours
- 8** **Type of training:** Course  
**Training title:** Spatial Analysis with R  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Departament d'Ecologia, Universitat de Barcelona **Type of entity:** University  
**Training manager:** Virgilio Gómez-Rubio  
**End date:** 20/02/2015 **Duration in hours:** 30 hours
- 9** **Type of training:** Course  
**Training title:** II Devotes Summer School: From Species to Ecosystems: Modelling Marine Ecology for Management Applications  
**City awarding entity:** Donostia-San Sebastián, Spain  
**Awarding entity:** AZTI Tecnalia **Type of entity:** Technological Centre  
**End date:** 17/07/2014 **Duration in hours:** 24 hours





- 10** **Type of training:** Course  
**Training title:** X Taller GBIF de Modelización de Nichos Ecológicos  
**City awarding entity:** Madrid, Spain  
**Awarding entity:** Nodo Nacional de Información en Biodiversidad (GBIF.ES)  
**Training manager:** Blas Benito  
**End date:** 25/04/2014 **Duration in hours:** 23 hours
- 11** **Type of training:** Course  
**Training title:** R packages for Mixed Models  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Departament d'Ecologia, Universitat de Barcelona **Type of entity:** University  
**Training manager:** Josep-Anton Sánchez  
**End date:** 30/01/2014 **Duration in hours:** 15 hours
- 12** **Type of training:** Course  
**Training title:** Introducción al análisis de datos de captura-recaptura y recuperación aplicado a la conservación de poblaciones animales  
**City awarding entity:** Esporles, Spain  
**Awarding entity:** Institut Mediterrani d'Estudis Avançats **Type of entity:** Public Research Body  
**Training manager:** Giacomo Tavecchia  
**End date:** 29/11/2013 **Duration in hours:** 35 hours
- 13** **Type of training:** Course  
**Training title:** Training course for research user of experimentation animals  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Universitat de Barcelona **Type of entity:** University  
**End date:** 01/02/2013 **Duration in hours:** 80 hours
- 14** **Type of training:** Workshop  
**Training title:** Cartografía de los hábitats de los fondos marinos europeos para una mejor gestión: avances, necesidad y aplicaciones  
**City awarding entity:** Madrid, Spain  
**Awarding entity:** Instituto Español de Oceanografía **Type of entity:** Public Research Body  
**End date:** 05/10/2012 **Duration in hours:** 8 hours
- 15** **Type of training:** Workshop  
**Training title:** Using EUNIS habitat classification for benthic mapping in European seas  
**City awarding entity:** Donostia-San Sebastián, Spain  
**Awarding entity:** AZTI Tecnalia **Type of entity:** Technological Centre  
**End date:** 24/04/2012 **Duration in hours:** 16 hours
- 16** **Type of training:** Course  
**Training title:** I Curso de Iniciación a R para oceanógrafos  
**City awarding entity:** Barcelona,  
**Awarding entity:** Asociación Catalana de Oceanógrafas y Oceanógrafos  
**End date:** 12/04/2012 **Duration in hours:** 24 hours





- 17 Training title:** The Scientific Publication Process  
**City awarding entity:** Barcelona, Spain  
**Awarding entity:** Departament d'Ecologia, Universitat de Barcelona  
**Training manager:** Vincent H. Resh  
**End date:** 12/04/2012  
**Type of entity:** University  
**Duration in hours:** 12 hours
- 18 Type of training:** Course  
**Training title:** Biodiversidad, medio ambiente y espacios naturales protegidos. 2010, el año de la biodiversidad  
**Awarding entity:** Universidad Internacional de Andalucía  
**End date:** 23/07/2010  
**Type of entity:** University  
**Duration in hours:** 30 hours
- 19 Type of training:** Course  
**Training title:** La gestión y manejo de especies protegidas en España  
**City awarding entity:** Cabezón de la Sal, Spain  
**Awarding entity:** Universidad de Cantabria  
**End date:** 09/07/2010  
**Type of entity:** University  
**Duration in hours:** 20 hours

## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	B2	B2	B2	B2	B2
Catalan	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2
Basque	C2	C2	C2	C2	C2

## Teaching experience

### General teaching experience

- 1 Name of the course:** Marine ecology  
**University degree:** Bachelor's Degree in Biology  
**Start date:** 2017  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 32  
**Entity:** Universitat de Barcelona  
**Type of entity:** University
- 2 Name of the course:** Techniques of scientific diving for the study of benthic ecosystems  
**University degree:** Máster in Oceanography and Marine Environmental Management  
**Frequency of the activity:** 5  
**Start date:** 2014  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 103  
**Entity:** Universitat de Barcelona  
**Type of entity:** University



- 3** **Name of the course:** Management of protected natural areas  
**University degree:** Bachelor's Degree in Environmental Sciences  
**Frequency of the activity:** 4  
**Start date:** 2013  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 120  
**Entity:** Universitat de Barcelona **Type of entity:** University
- 4** **Name of the course:** Marine ecology seminar: Techniques for the study of benthic ecosystems  
**University degree:** Master in Marine Sciences: Oceanography and Marine Environmental Management  
**Frequency of the activity:** 2  
**Start date:** 2012  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 54  
**Entity:** Universitat de Barcelona **Type of entity:** University

### Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Efecte social en cronotips de peixos marins  
**Co-director of thesis:** Josep Alós Cespí; Eneko Aspillaga Cuevas; María Cristina Nicolau Llobera  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Student:** Jaume Capó Vives  
**Date of reading:** 04/10/2021
- 2** **Project title:** Patrons de moviment i comportament reproductor de *Epinephelus marginatus* (Lowe, 1834) en dues àrees marines protegides Mediterrànies: implicacions per a la gestió  
**Type of project:** Minor thesis  
**Co-director of thesis:** Bernat Hereu Fina; Eneko Aspillaga Cuevas  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Student:** David Casals Blanch  
**Obtained qualification:** 8.9  
**Date of reading:** 23/09/2021
- 3** **Project title:** Aquatic High-Throughput Tracking: Comparison among technologies, post-processing methods, and species' behaviour  
**Type of project:** Minor thesis  
**Co-director of thesis:** Eneko Aspillaga Cuevas; Josep Alós Crespí  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Student:** Ainara Monsalve Massana  
**Obtained qualification:** 10  
**Date of reading:** 19/07/2021
- 4** **Project title:** Swimming behaviour of Gilthead seabream (*Sparus aurata*) in experimental sea-cages and influence of environmental enrichment  
**Type of project:** Minor thesis  
**Co-director of thesis:** Pablo Arechavala López  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Student:** Lidia Muñoz Sánchez  
**Date of reading:** 25/09/2019



## Other activities/achievements not included above

- Description of the activity:** Mentor of the R project entitled 'rOceans: an R Package for integrating spatial trends in biodiversity, human stressors, and conservation efforts'  
**City of activity:** United States of America  
**Organising entity:** Google Summer of Code  
**End date:** 2018
- Description of the activity:** Coordinator and teacher of the Summer Course "Study of coastal biodiversity: practical course in the intertidal zone"  
**Organising entity:** Basque Summer University - Udako **Type of entity:** University Euskal Unibertsitatea  
**End date:** 07/2016

## Scientific and technological experience

### Research and development groups/teams

- Name of the group:** Fish Ecology Lab  
**Affiliation entity:** Institut Mediterrani d'Estudis Avançats **Type of entity:** Public Research Body  
**Start date:** 2019
- Name of the group:** Theoretical and computational ecology  
**Name of principal investigator:** Frederic Bartumeus  
**Affiliation entity:** Centre d'Estudis Avançats de Blanes (CEAB-CSIC)  
**Start date:** 2013 **Duration:** 5 years
- Name of the group:** Biologia de la conservació en ecosistemes marins (MedRecover)  
**Name of principal investigator:** Joaquim Garrabou  
**Affiliation entity:** Universitat de Barcelona **Type of entity:** University  
**Start date:** 2011 **Duration:** 7 years

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- Name of the project:** CLOCKS -- Causes and consequences of circadian behavioural variation in marine wild fish  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto Mediterráneo d Estudios Avanzados **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Josep Alós  
**Funding entity or bodies:** Ministerio de Ciencia, Innovación y Universidades **Type of entity:** State agency



**Type of participation:** Team member

**Name of the programme:** Proyectos de I+D+i en el marco del Subprograma Estatal de Generación de Conocimiento

**Code according to the funding entity:** PID2019-104940GA-I00

**Start-End date:** 2020 - 2023

**Duration:** 3 years

**Total amount:** 215.000 €

- 2 Name of the project:** JSATS -- Determinación de los efectos ambientales y genéticos en el movimiento de peces marinos con implicaciones para la conservación

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Instituto Mediterráneo d Estudios Avanzados

**Type of entity:** State agency

**Name principal investigator (PI, Co-PI....):** Josep Alòs

**Funding entity or bodies:**

Consejo Superior de Investigaciones Científicas

**Type of entity:** State agency

**Type of participation:** Team member

**Name of the programme:** Proyectos intramurales especiales

**Code according to the funding entity:** 202030E002

**Start-End date:** 2020 - 2023

**Duration:** 36 months

- 3 Name of the project:** COST Action ETN – The European Aquatic Animal Tracking Network

**Entity where project took place:** Flanders Marine Institute (VLIZ) **Type of entity:** Public Research Body

**City of entity:** Ostende, Belgium

**Name principal investigator (PI, Co-PI....):** Jan Reubens

**Funding entity or bodies:**

The European Cooperation in Science and Technology (COST) - European Comission (Horizon 2020)

**Type of participation:** Team member

**Start-End date:** 2019 - 2022

**Total amount:** 150.000 €

- 4 Name of the project:** RESMED -- Réseau de réserves marines et gestion intégrée des zones côtières transfrontalières Méditerranée

**Type of project:** Research and development, including transfer

**Geographical area:** European Union

**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de Barcelona

**Type of entity:** University

**City of entity:** Barcelona, Spain

**Name principal investigator (PI, Co-PI....):** Bernat Hereu; Philippe Lenfant

**Funding entity or bodies:**

Comisión Europea

**Type of entity:** European Institution

**City funding entity:** Madrid, Community of Madrid, Spain

**Type of participation:** Team member

**Name of the programme:** INTERREG POCTEFA 2014-2020

**Code according to the funding entity:** EFA332/19

**Start-End date:** 2019 - 2022

**Duration:** 3 years

**Total amount:** 1.103.511 €



- 5** **Name of the project:** MERCES -- Marine Ecosystem Restoration in Changing European Seas  
**Entity where project took place:** Universitat de Barcelona  
**Name principal investigator (PI, Co-PI....):** Roberto Danovaro; Joaquim Garrabou; Cristina Linares  
**Funding entity or bodies:**  
European Commission  
**Name of the programme:** Horizon 2020  
**Code according to the funding entity:** 689518  
**Start-End date:** 2016 - 2018 **Duration:** 3 years  
**Total amount:** 129.428 €
- 6** **Name of the project:** SCYTRACK -- Movimiento y uso del hábitat en la cigarra de mar (*Scyllarides latus*): Implicaciones para la conservación de la especie en el Parque Nacional Marítimo Terrestre del Archipiélago de Cabrera  
**Entity where project took place:** Centro **Type of entity:** Public Research Body  
Oceanográfico de Baleares  
**Name principal investigator (PI, Co-PI....):** Raquel Goñi  
**Funding entity or bodies:**  
Organismo Autónomo de Parques Nacionales, Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Gobierno de España  
**Code according to the funding entity:** SPIP2013-01033  
**Start-End date:** 2014 - 2017 **Duration:** 4 years  
**Total amount:** 78.183 €
- 7** **Name of the project:** MEDRECOVER -- Biología de la conservación en ecosistemas marinos  
**Entity where project took place:** Universitat de Barcelona  
**Name principal investigator (PI, Co-PI....):** Joaquim Garrabou; Cristina Linares  
**Funding entity or bodies:**  
Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)  
**Code according to the funding entity:** 2014SGR1297  
**Start-End date:** 2014 - 2016
- 8** **Name of the project:** eCATE -- Evaluation de la connectivité entre aires marines protégées et rôle des habitats essentiels  
**Entity where project took place:** Université de Perpignan - Via Domitia  
**City of entity:** France  
**Name principal investigator (PI, Co-PI....):** Philippe Lenfant  
**Funding entity or bodies:**  
Fondation TOTAL  
**Code according to the funding entity:** BIO-2013-066  
**Start-End date:** 2014 - 2016 **Duration:** 3 years  
**Total amount:** 322.000 €
- 9** **Name of the project:** CORCLIM -- Respuesta de la comunidad del coralígeno del PN de Cabrera al cambio climático  
**Entity where project took place:** Universitat de Barcelona  
**Name principal investigator (PI, Co-PI....):** Cristina Linares  
**Funding entity or bodies:**  
Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Gobierno de España  
**Code according to the funding entity:** 579S/2012

**Start-End date:** 2013 - 2015**Duration:** 3 years**Total amount:** 37.308 €

**10 Name of the project:** BIOROCK -- Global change in sublittoral rocky bottoms: consequences for biodiversity conservation

**Entity where project took place:** Universitat de Barcelona**Name principal investigator (PI, Co-PI....):** Joaquim Garrabou**Funding entity or bodies:**

Ministerio de Ciencia e Innovación, Gobierno de España

**Code according to the funding entity:** CTM2009-08045**Start-End date:** 2010 - 2013**Duration:** 4 years**Total amount:** 144.000 €

**11 Name of the project:** Caracterización de las comunidades profundas dominadas por especies longevas (Paramuricea clavata, algas fucales y laminariales) en el Área Marina Protegida de las Islas Columbretes

**Entity where project took place:** Universitat de Barcelona**Name principal investigator (PI, Co-PI....):** Cristina Linares**Funding entity or bodies:**

Fundación Biodiversidad

**Code according to the funding entity:** 306510**Start-End date:** 2010 - 2012**Duration:** 3 years**Total amount:** 100.960 €

**12 Name of the project:** Expedición de Circunnavegación Malaspina 2010: Cambio global y exploración de la biodiversidad del océano global

**Entity where project took place:** Universitat de Barcelona**Name principal investigator (PI, Co-PI....):** Carlos Duarte**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

**Type of entity:** Body, others**Start-End date:** 2009 - 2012

## R&D non-competitive contracts, agreements or projects with public or private entities

**1 Name of the project:** Seguiment de la biodiversitat marina 2017-2020 als espais marins protegits del Parc Natural del Cap de Creus i del Parc Natural del Montgrí, les Illes Medes i el Baix Ter

**Entity where project took place:** Universitat de Barcelona**Degree of contribution:** Researcher**Entity where project took place:** Universitat de Barcelona**Type of entity:** University**Name principal investigator (PI, Co-PI....):** Bernat Hereu**Funding entity or bodies:**

Departament de Territori i Sostenibilitat, Generalitat de Catalunya

**Code according to the funding entity:** PTOP-2017-130**Start date:** 2017**Duration:** 4 years**Total amount:** 433.180 €

**2 Name of the project:** Acquisition et renseignement de l'indicateur espèces thermophobes : État des populations de la gorgone blanche Eunicella singularis dans le Parc national de Port-Cros dans le cadre de l'Observatoire de la Biodiversité et des Usages Marins Littoraux





**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Parc Nacional de Port-Cros

**Start date:** 2016

**Duration:** 1 year

**3 Name of the project:** Seguiment del medi marí al Parc Natural del Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter

**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Departament de Territori i Sostenibilitat, Generalitat de Catalunya

**Start date:** 2016

**Duration:** 1 year

**4 Name of the project:** Acquisition et renseignement de l'indicateur espèces thermophobes : État des populations de la gorgone blanche Eunicella singularis dans le Parc national de Port-Cros dans le cadre de l'Observatoire de la Biodiversité et des Usages Marins Littoraux

**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Parc National de Port-Cros

**City funding entity:** France

**Code according to the funding entity:** 15-016-83400PC

**Start date:** 2015

**Duration:** 1 year

**Total amount:** 7.700 €

**5 Name of the project:** Estudi de les poblacions de briozous de la Reserva Marina de les Illes Medes com a indicadors de l'efecte de la freqüentació de submarinistes sobre les comunitats bentòniques

**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Parc Natural del Montgrí, les Illes Medes i el Baix Ter

**Code according to the funding entity:** 307958

**Start date:** 2014

**Duration:** 1 year

**Total amount:** 4.069 €

**6 Name of the project:** Seguiment de la biodiversitat marina al Parc Natural del Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter

**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Departament d'Agricultura, Ramaderia, Pesca, Alimentació i Medi Natural, Generalitat de Catalunya

**Start date:** 2014

**Duration:** 1 year

**Total amount:** 52.479 €

**7 Name of the project:** Acquisition et renseignement de l'indicateur espèces thermophobes: État des populations de la gorgone blanche Eunicella singularis dans le Parc national de Port-Cros dans le cadre de l'Observatoire de la Biodiversité et des Usages Marins Littoraux

**Name principal investigator (PI, Co-PI....):** Bernat Hereu

**Funding entity or bodies:**

Parc National de Port-Cros

**Code according to the funding entity:** 13-030-83400PC

**Start date:** 2013

**Duration:** 1 year

**Total amount:** 8.800 €





- 8 Name of the project:** Treballs d'evaluació de l'estat ecològic de les praderies de *Cymodocea nodosa* al golf de Pals  
**Name principal investigator (PI, Co-PI....):** Bernat Hereu  
**Funding entity or bodies:**  
 Diputació de Girona **Type of entity:** Body, others  
**Code according to the funding entity:** 306503  
**Start date:** 2011 **Duration:** 1 year  
**Total amount:** 12.880 €

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** Jordan K. Matley; Natalie V. Klinard; Ana P. Barbosa Martins; Kim Aarestrup; Eneko Aspillaga; Steven J. Cooke; Paul D. Cowley; Michelle R. Heupel; Christopher G. Lowe; Susan K. Lowerre-Barbieri; Hiromichi Mitamura; Jean-Sébastien Moore; Colin A. Simpfendorfer; Michael J.W. Stokesbury; Matthew D. Taylor; Eva B. Thorstad; Christopher S. Vandergoot; Aaron T. Fisk. Global trends in aquatic animal tracking with acoustic telemetry. *Trends in Ecology and Evolution*. 37 - 1, pp. 79 - 94. 01/2022. Available on-line at: <<https://doi.org/10.1016/j.tree.2021.09.001>>.  
**DOI:** 10.1016/j.tree.2021.09.001  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 2** A. Brazo; R. Marques; M. Zimmermann; E. Aspillaga; B. Hereu; G. Saragoni; A. Mercière; R. Crec'Hriou; M. Mercader; M. Verdoit-Jarraya; F. Cadène; P. Lenfant. Seasonal influence on the bathymetric distribution of an endangered fish within a marine protected area. *Scientific Reports*. 11, pp. 13342. 25/06/2021.  
**DOI:** 10.1038/s41598-021-92633-x  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 3** Eneko Aspillaga; Robert Arlinghaus; Martina Martorell-Barceló; Margarida Barcelo-Serra; Josep Alós. High-Throughput Tracking of Social Networks in Marine Fish Populations. *Frontiers in Marine Science*. 8, pp. 688010. 23/06/2021.  
**DOI:** 10.3389/fmars.2021.688010  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 4** Martina Martorell-Barceló; Julia Mulet; Javier Sanhelli; Marco Signaroli; Arancha Lana; Margarida Barceló-Serra; Eneko Aspillaga; Josep Alós. Aggressiveness-related behavioural types in the pearly razorfish. *PeerJ*. 9, pp. e10731. 30/03/2021.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 5** Eneko Aspillaga; Robert Arlinghaus; Martina Martorell-Barceló; Guillermo Follana-Berná; Arancha Lana; Andrea Campos-Candela; Josep Alós. Performance of a novel system for high-resolution tracking of marine fish societies. *Animal Biotelemetry*. 9, pp. 1. 04/01/2021.



**DOI:** 10.1186/s40317-020-00224-w

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

- 6** Lidia Muñoz; Eneko Aspillaga; Miquel Palmer; João L. Saraiva; Pablo Arechavala-Lopez. Acoustic Telemetry: A Tool to Monitor Fish Swimming Behavior in Sea-Cage Aquaculture. *Frontiers in Marine Science*. 7, pp. 645. 31/07/2020.

**DOI:** 10.3389/fmars.2020.00645

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

- 7** Alba Medrano; Cristina Linares; Eneko Aspillaga; Pol Capdevila; Ignasi Montero-Serra; Marta Pagès-Escalà; Mikel Zabala; Bernat Hereu. Long-term monitoring of temperate macroalgal assemblages inside and outside a No take marine reserve. *Marine Environmental Research*. pp. 104826. Elsevier, 23/10/2019.

**DOI:** 10.1016/j.marenvres.2019.104826

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

- 8** Marta Pagès-Escalà; Bernat Hereu; Graciela Rovira; Alba Medrano; Eneko Aspillaga; Pol Capdevila; Cristina Linares. Unravelling the population dynamics of the Mediterranean bryozoan *Pentapora fascialis* to assess its role as an indicator of recreational diving for adaptive management of marine protected areas. *Ecological Indicators*. 109 - 2020, pp. 105781. 04/09/2019.

**DOI:** 10.1016/j.ecolind.2019.105781

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

- 9** Eneko Aspillaga; Kamran Safi; Bernat Hereu; Frederic Bartumeus. Modelling the three dimensional space use of aquatic animals combining topography and Eulerian telemetry data. *Methods in Ecology and Evolution*. 10, pp. 1551 - 1557. Wiley, 02/09/2019.

**DOI:** 10.1111/2041-210X.13232

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

- 10** Xavier Grane-Feliu; Scott Bennet; Bernat Hereu; Eneko Aspillaga; Julia Santana-Garçon. Comparison of diver operated stereo-video and visual census to assess targeted fish species in Mediterranean marine protected areas. *Journal of Experimental Marine Biology and Ecology*. 520, pp. 151205. Elsevier, 21/08/2019.

**DOI:** 10.1016/j.jembe.2019.151205

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

- 11** Alba Medrano; Cristina Linares; Eneko Aspillaga; Pol Capdevila; Ignasi Montero-Serra; Marta Pagès-Escalà; Bernat Hereu. No-take marine reserves control the recovery of sea urchin populations after mass mortality events. *Marine Environmental Research*. 145, pp. 147 - 154. Elsevier, 05/03/2019.

**DOI:** 10.1016/j.marenvres.2019.02.013

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** No

- 12** Montserrat Vidal; Eneko Aspillaga; Irene Teixidor-Toneu; Antonio Delgado-Huertas. Lateral transport of N-rich dissolved organic matter strengthens phosphorus deficiency in western subtropical North Atlantic. *Global Biogeochemical Cycles*. 32, pp. 1350 - 1366. 15/09/2018.

**DOI:** 10.1029/2017GB005868

**Type of production:** Scientific paper

**Format:** Journal



**Corresponding author:** No

- 13** Pol Capdevila; Cristina Linares; Eneko Aspillaga; Joan Lluís Riera; Bernat Hereu. Effective dispersal and density-dependence in mesophotic macroalgal forests: Insights from the Mediterranean species *Cystoseira zosteroides*. PLoS ONE. 13 - 1, pp. e0191346. 12/01/2018.  
**DOI:** 10.1371/journal.pone.0191346  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 14** Eneko Aspillaga; Frederic Bartumeus; Richard M. Starr; Àngel López-Sanz; Cristina Linares; David Díaz; Joaquim Garrabou; Mikel Zabala; Bernat Hereu. Thermal stratification drives vertical distribution patterns of a coastal apex predator. Scientific Reports. 7, pp. 526. 03/04/2017.  
**DOI:** 10.1038/s41598-017-00576-z  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 15** Bethany L. Clark; Mirjana Bevanda; Eneko Aspillaga; Nicolai H. Jørgensen. Bridging disciplines with training in remote sensing for animal movement: an attendee perspective. Remote Sensing in Ecology and Evolution. 3 - 1, pp. 30 - 37. 20/03/2017.  
**DOI:** 10.1002/rse2.22  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 16** Eneko Aspillaga; Frederic Bartumeus; Cristina Linares; Richard M. Starr; Àngel López-Sanz; David Díaz; Mikel Zabala; Bernat Hereu. Ordinary and Extraordinary Movement Behaviour of Small Resident Fish within a Mediterranean Marine Protected Area. PLoS ONE. 11 - 7, pp. e0159813. 20/07/2016.  
**DOI:** 10.1371/journal.pone.0159813  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 17** Cristina Linares; Montserrat Vidal; Miquel Canals; Diego K. Kersting; David Amblas; Eneko Aspillaga; Emma Cebrián; Antonio Delgado-Huertas; David Díaz; Joaquim Garrabou; Bernat Hereu; Laura Navarro; Núria Teixidó; Enric Ballesteros. Persistent natural acidification drives major distribution shifts in marine benthic ecosystems. Proceedings of the Royal Society B. 282, pp. 20150587. 07/11/2015.  
**DOI:** 10.1098/rspb.2015.0587  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 18** Pol Capdevila; Cristina Linares; Eneko Aspillaga; Laura Navarro; Diego Kurt-Kersting; Bernat Hereu. Recruitment patterns in the Mediterranean Deep-water alga *Cystoseira zosteroides*. Marine Biology. 162 - 6, pp. 1165 - 1174. 08/04/2015.  
**DOI:** 10.1007/s00227-015-2658-0  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** No
- 19** Eneko Aspillaga; Sandra Navarro; Joandomènec Ros. La flota azul. Investigación y Ciencia. 421, pp. 34 - 35. 2011.  
**Type of production:** Popular science article **Format:** Journal
- 20** David Diaz; Enric Ballesteros; Emma Cebrian; Eneko Aspillaga; Anabel Muñoz. Les coves submergides de l'Arxipèlag de Cabrera. Arxipèlag de Cabrera: Història Natural. Monografies de la Societat d'Història Natural de Balears. 30, pp. 299 - 316. Societat d'Història Natural de Balears, 2020. ISBN 978-84-09-23487-5  
**Type of production:** Book chapter **Format:** Book



**Corresponding author:** No

- 21** Bernat Hereu; Cristina Linares; Aurora M. Ricart; Alex Rodríguez; Eneko Aspillaga; David Díaz; Laura Navarro; Juan L. Riera. Cartografía bionómica dels hàbitats de la costa del Montgrí i les Illes Medes. El fons marí de les Illes Medes i el Montgrí: Quatre dècades de recerca per a la conservació. Recerca i territori N° 4. Càtedra d'Ecosistemes Litorals Mediterranis, 2012. ISSN 2013-5939  
**Type of production:** Book chapter **Format:** Book
- 22** David Díaz; Bernat Hereu; Eneko Aspillaga; Anabel Muñoz; Frederic Bartumeus; Sandra Mallol; Ignacio Baena; Raquel Goñi. Movimiento y uso del hàbitat en la cigarra de mar (*Scyllarides latus*): implicaciones para la conservación de la especie en el Parque Nacional Marítimo Terrestre del Archipiélago de Cabrera (*Scytrack*). Proyectos de Investigación en Parques Nacionales: 2013-2017. pp. 325 - 348. Organismo Autónomo Parques Nacionales, 2019. ISBN 978-84-8014-924-2  
**Type of production:** Scientific book or monograph **Format:** Book  
**Corresponding author:** No
- 23** Cristina Linares; Enric Ballesteros; Jana Verdura; Eneko Aspillaga; Pol Capdevila; Rafel Coma; David Díaz; Joaquim Garrabou; Bernat Hereu; Jean-Baptiste Ledoux; Fiona Tomás; Maria Jesús Uriz; Emma Cebrian. Efectos del cambio climático sobre la gorgonia *Paramuricea clavata* y el coralígeno asociado en el Parque Nacional Marítimo-Terrestre del Archipiélago de Cabrera. Proyectos de Investigación en Parques Nacionales: 2012-2015. pp. 45 - 67. Organismo Autónomo Parques Nacionales, 2018. ISBN 978-84-8014-907-5  
**Type of production:** Scientific book or monograph
- 24** Eneko Aspillaga; Mikel Zabala; Pol Capdevila; Graciela Rovira; Antoni García-Rubies; Bernat Hereu. Seguiment de les poblacions de peixos vulnerables a l'activitat pesquera. Seguiment del medi marí al Parc Natural de Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria tècnica 2018. pp. 15 - 86. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals i Medi Natural, 12/2018.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
- 25** Bernat Hereu; Eneko Aspillaga; Pol Capdevila; Cristina Linares; Alba Medrano; Marta Pagès; Graciela Rovira. Seguiment anual de briozous, gorgònia vermella i coves a la Reserva Natural Parcial Marina de les Medes del Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria 2018. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals, 2018.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
- 26** Eneko Aspillaga; Graciela Rovira; Pol Capdevila; Núria Margarit; Bernat Hereu. Seguiment de les comunitats de coves submarines de la Reserva Marina de les Illes Medes com a indicadors de l'efecte de la freqüentació de submarinistes sobre les comunitats bentòniques. Seguiment anual de briozous, gorgònia vermella i coves submarines a la Reserva Natural Parcial Marina de les Medes del Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria tècnica 2018. pp. 51 - 62. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals i Medi Natural, 2018.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
- 27** Bernat Hereu; Eneko Aspillaga; Pol Capdevila; Graciela Rovira; Joaquim Garrabou; Àngel López-Sanz; Alba Medrano; Ignasi Montero-Serra; Marta Pagès; Cristina Linares. Seguiment del medi marí al Parc Natural de Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria 2017. pp. 198. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals i Medi Natural, 2018.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report

- 28** Bernat Hereu; Eneko Aspillaga; Jordi Boada; Pol Capdevila; Alba Medrano; Marta Pagès; Marta Pérez; Javier Romero; Graciela Rovira; Neus Sanmartí; Cristina Linares. Seguiment del medi marí al Parc Natural de Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria 2018. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals i Medi Natural, 2018.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 29** Bernat Hereu; Aspillaga Eneko; Pol Capdevila; Alba Medrano; Marta Pagès. Evitem la pesca fantasma. Protocol per a la retirada de xarxes i altres arts de pesca abandonats al Parc Natural del Montgrí, les illes Medes i el Baix Ter. Any 2017. pp. 16. Parc Natural del Montgrí, les illes Medes i el Baix Ter & Universitat de Barcelona, 2017.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 30** Bernat Hereu; Eneko Aspillaga; Pol Capdevila; Cristina Linares; Alba Medrano; Ignasi Montero; Marta Pagès; Graciela Rovira. Seguiment anual de Briozous, Gorgònia vermella i Coves a la Reserva Natural Parcial Marina de les Medes del Parc Natural del Montgrí, les illes Medes i el Baix Ter. Any 2017. pp. 116. Generalitat de Catalunya. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals, 2017.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 31** Cristina Linares; Joaquim Garrabou; Àngel López-Sanz; Paula López-Sendino; Eneko Aspillaga; Pol Capdevila; Graciela Rovira; Ignasi Montero-Serra. Seguiment de les poblacions de corall vermell a la costa catalana. Any 2017. pp. 25. Direcció General de Pesca i Afers Marítims, Departament d'Agricultura, Ramaderia, Pesca i Alimentació, Generalitat de Catalunya, 2017.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 32** Cristina Linares; Eneko Aspillaga; Pol Capdevila; Bernat Hereu. Avaluació de l'estat de conservació de les poblacions de gorgònies de les Reserves Naturals des Vedrà, es Vedranell I els illots de Ponent. pp. 41. Conselleria de Medi Ambient, Agricultura i Pesca. Govern de les Illes Balears, 2016.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 33** Bernat Hereu; Marta Pagès; Isaac Atienza; Eneko Aspillaga; Pol Capdevila; Ignasi Montero. Estudi de la dinàmica de la població de l'espècie de briozou *Pentapora fascialis* de la Reserva Marina de les Illes Medes. pp. 30. Parc Natural del Montgrí, les illes Medes i el Baix Ter i Universitat de Barcelona, 2016.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 34** Bernat Hereu; Eneko Aspillaga; Pol Capdevila; Alba Medrano; Marta Pagès. Evitem la pesca fantasma. Protocol per a la retirada de xarxes i altres arts de pesca abandonats al Parc Natural del Montgrí, les illes Medes i el Baix Ter. Any 2016. pp. 21. Parc Natural del Montgrí, les illes Medes i el Baix Ter & Universitat de Barcelona, 2016.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 35** Bernat Hereu; Eneko Aspillaga; Isaac Atienza; Itziar Burgués; Pol Capdevila; David Díaz; Antoni García-Rubies; Cristina Linares; Simone Mariani; Aurora Martínez-Ricart; Neus Matamalas; Alba Medrano; Marta Pagès; Marta Pérez; Javier Romero; Graciela Rovira; Neus Sanmartí; Mikel Zabala. Seguiment del medi marí al Parc Natural del Cap de Creus i al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Memòria 2016. Departament de Territori i Sostenibilitat. Direcció General de Polítiques Ambientals. Generalitat de Catalunya, 2016.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 36** Bernat Hereu; Eneko Aspillaga; Pol Capdevila; Marta Pagès. Evitem la pesca fantasma. Protocol per a la retirada de xarxes i altres arts de pesca abandonats al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. pp. 16. Parc Natural del Montgrí, les illes Medes i el Baix Ter i Universitat de Barcelona, 2015.  
**Type of production:** Scientific-technical report      **Format:** Scientific and technical document or report
- 37** Bernat Hereu; Javier Romero; David Díaz; Eneko Aspillaga; Pol Capdevila; Antoni García-Rubies; Joaquim Garrabou; Cristina Linares; Paula López-Sendino; Aurora Martínez-Ricart; Oriol Mascaró; Ignasi Montero; Marta Pérez; Neus Sanmartí; Mikel Zabala. Seguiment de la biodiversitat marina al Parc Natural de Cap de Creus i





al Parc Natural del Montgrí, les Illes Medes i el Baix Ter. Informe 2014. Departament d'Agricultura, Ramaderia, Pesca, Alimentació i Medi Natural. Servei d'Espais Naturals Protegits. Generalitat de Catalunya, 2014.

**Type of production:** Scientific-technical report

**Format:** Scientific and technical document or report

- 38** Bernat Hereu; Pol Capdevila; Eneko Aspillaga; Clara Casado; Eugeni Canals; Cristina Linares. État des populations de la gorgone blanche Eunicella singularis dans le Parc national de Port-Cros dans le cadre de l'Observatoire de la Biodiversité et des Usages Marins Littoraux. Rapport final. pp. 47. Parc national de Port-Cros & Universitat de Barcelona, 2014.

**Type of production:** Scientific-technical report

**Format:** Scientific and technical document or report

- 39** Cristina Linares; Laura Navarro; Eneko Aspillaga; Diego Kersting; Bernat Hereu; Núria Teixidó; Montserrat Vidal; Enric Ballesteros; Emma Cebrián; Joaquim Garrabou; David Díaz; David Amblàs; Miquel Canals. Caracterización de las comunidades profundas dominadas por especies longevas (Paramuricea clavata, algas fucales y laminariales) en la Reserva Marina de las Islas Columbretes y su entorno. Informe final área LIFE+INDEMARES (LIFE07/NAT/E/000732). pp. 134. Departament d'Ecologia, Universitat de Barcelona, 2012.

**Type of production:** Scientific-technical report

**Format:** Scientific and technical document or report

- 40** Bernat Hereu; Cristina Linares; David Díaz; Juan L. Riera; Alex Rodríguez; Laura Navarro; Eneko Aspillaga; Miquel Canals; David Amblàs. Cartografia de les praderies de Cymodocea nodosa al golf de Pals. Diputació de Girona, 2012.

**Type of production:** Scientific-technical report

**Format:** Scientific and technical document or report

## Works submitted to national or international conferences

- 1** **Title of the work:** Efecto social en cronotipos de peces marinos  
**Name of the conference:** XXIX Reunión Anual de la Sociedad Española de Sueño  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Online, Spain  
**Date of event:** 21/10/2021  
**End date:** 23/10/2021  
**Organising entity:** Sociedad Española del Sueño  
Jaume Capó; Eneko Aspillaga; M. Cristina Nicolau; Mourad Akaarir; Antonio Gamundí; Martina Martorell-Barceló; Margarida Barcelo-Serra; Josep Alós.
- 2** **Title of the work:** Rasgos de personalidad en Xyrichthys novacula: identificación de cronotipos  
**Name of the conference:** XXIX Reunión Anual de la Sociedad Española de Sueño  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Online, Spain  
**Date of event:** 21/10/2021  
**End date:** 23/10/2021  
**Organising entity:** Sociedad Española del Sueño  
Esperança Rojas Díaz; M. Cristina Nicolau; Mourad Akaarir; Martina Martorell-Barceló; Eneko Aspillaga; Margarida Barcelo-Serra; Josep Alós; Antonio Gamundí.
- 3** **Title of the work:** Applying the reality mining approach to unveil the social structure and space use variability of a marine fish population  
**Name of the conference:** 7th International Bio-Logging Symposium



**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Honolulu (Hawaii) - Online, United States of America  
**Date of event:** 18/10/2021  
**End date:** 22/10/2021  
**Organising entity:** University of Hawai'i at Mānoa **Type of entity:** University  
**City organizing entity:** Honolulu, United States of America  
E. Aspillaga; R. Arlinghaus; M. Martorell-Barceló; M. Barcelo-Serra; J. Alós.

**4** **Title of the work:** Individual consistency and environmental plasticity of fish chronotype revealed by high-resolution tracking in marine systems  
**Name of the conference:** 7th International Bio-Logging Symposium  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Honolulu (Hawaii) - Online, United States of America  
**Date of event:** 18/10/2021  
**End date:** 22/10/2021  
**Organising entity:** University of Hawai'i at Mānoa **Type of entity:** University  
**City organizing entity:** Honolulu, United States of America  
M. Martorell-Barceló; E. Aspillaga; M. Barcelo-Serra; J. Alós.

**5** **Title of the work:** Introducing open protocols: A crucial step to ensure the future of tracking networks  
**Name of the conference:** 7th International Bio-Logging Symposium  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Honolulu (Hawaii) - Online, United States of America  
**Date of event:** 18/10/2021  
**End date:** 22/10/2021  
**Organising entity:** University of Hawai'i at Mānoa **Type of entity:** University  
**City organizing entity:** Honolulu, United States of America  
S. Bruneel; K. Aarestrup; D. Abecasis; J. Alós; P. Afonso; J. Goosens; J. Reubens; P. Verhelst; E. Aspillaga.

**6** **Title of the work:** Social networks revealed by high-throughput tracking correlate with gut microbiome in marine fish  
**Name of the conference:** 7th International Bio-Logging Symposium  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Honolulu (Hawaii) - Online, United States of America  
**Date of event:** 18/10/2021  
**End date:** 22/10/2021  
**Organising entity:** University of Hawai'i at Mānoa **Type of entity:** University  
**City organizing entity:** Honolulu, United States of America  
A. Pons; E. Aspillaga; I. Catalán; R. Roselló-Mora; T. Viver; R. Arlinghaus; M. Martorell-Barceló; M. Barcelo-Serra; J. Alós.





- 7** **Title of the work:** Estimating the behavioural diversity of a natural fish population by linking behavioural traits and space-use patterns  
**Name of the conference:** SEB 2021 Annual Conference  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Online,  
**Date of event:** 29/06/2021  
**End date:** 08/07/2021  
**Organising entity:** Society for Experimental Biology  
Eneko Aspillaga; Martina Martorell-Barceló; Robert Arlinghaus; Margarida Barcelo-Serra; Josep Alós.
- 8** **Title of the work:** High-throughput tracking reveals circadian behavioral types, plasticity and syndromes in free-living fish  
**Name of the conference:** SEB 2021 Annual Conference  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Online,  
**Date of event:** 29/06/2021  
**End date:** 08/07/2021  
**Organising entity:** Society for Experimental Biology  
Martina Martorell-Barceló; Eneko Aspillaga; Margarida Barcelo-Serra; Josep Alós.
- 9** **Title of the work:** Behavioral types correlate with gut microbiome in early-life stages of wild gilthead seabream  
**Name of the conference:** 44th Annual Larval Fish Conference  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Online,  
**Date of event:** 24/06/2021  
**End date:** 26/06/2021  
**Organising entity:** University of Connecticut  
**City organizing entity:** Connecticut, United States of America  
A. Pons; E. Aspillaga; I.A. Catalán; R. Roselló-Mora; T. Viver; M. Signaroli; J. Sanllehi; M. Martorell-Barceló; M. Barcelo-Serra; J. Alós.
- 10** **Title of the work:** Using acoustic telemetry to monitor swimming behaviour of gilthead seabream in sea cages  
**Name of the conference:** Aquaculture Europe 2020  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Online,  
**Date of event:** 12/04/2021  
**End date:** 15/04/2021  
**Organising entity:** European Aquaculture Society  
Pablo Arechavala-Lopez; Lidia Muñoz; Eneko Aspillaga; Miquel Palmer; João L. Saraiva.



- 11 Title of the work:** Opportunities of high-resolution movement monitoring systems in coastal marine environments  
**Name of the conference:** 5th International Conference on Fish Telemetry  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Arendal, Norway  
**Date of event:** 06/2019  
**Organising entity:** Norwegian Institut of Marine Research  
Eneko Aspillaga; Robert Arlinghaus; Guillermo Follana-Berná; Andrea Campos-Candela; Sebastià Cabanellas; Josep Alós.
- 12 Title of the work:** Advances in the conservation of red coral populations: long-term demographic data, management tools and restoration activities  
**Name of the conference:** 3rd Mediterranean Symposium on the Conservation of Coralligenous and other Calcareous Bio-Concretions  
**Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Antalya, Turkey  
**Date of event:** 01/2019  
**Organising entity:** United Nations Environmental Programme (UNEP/MAP)  
Cristina Linares; Ignasi Montero-Serra; Eneko Aspillaga; Andrea Cabrito; Pol Capdevila; Jean-Baptiste Ledoux; Àngel López-Sanz; Paula López-Sendino; Graciela Rovira; Joaquim Garrabou.
- 13 Title of the work:** Bleaching of crustose coralline algae in the Mediterranean Sea  
**Name of the conference:** 3rd Mediterranean Symposium on the Conservation of Coralligenous and other Calcareous Bio-Concretions  
**Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Antalya, Turkey  
**Date of event:** 01/2019  
**Organising entity:** United Nations Environmental Programme (UNEP/MAP)  
Bernat Hereu; Neus Matamalas; Eneko Aspillaga; Pol Capdevila; Graciela Rovira.
- 14 Title of the work:** When life history matters: contrasting conservation actions for two co-occurring Cystoseira species in NW Mediterranean  
**Name of the conference:** 6th Mediterranean Symposium on Marine Vegetation  
**Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Antalya, Turkey  
**Date of event:** 01/2018  
**Organising entity:** United Nations Environmental Programme (UNEP/MAP)  
Pol Capdevila; Alba Medrano; Eneko Aspillaga; Ignasi Montero-Serra; Marta Pagès-Escolà; Graciela Rovira; Bernat Hereu; Cristina Linares.
- 15 Title of the work:** Fish 3D space use computation from passive acoustic telemetry data  
**Name of the conference:** 4th International Conference on Fish Telemetry  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Cairns, Australia  
**Date of event:** 06/2017



**Organising entity:** James Cook University  
Eneko Aspillaga; Kamran Safi; Bernat Hereu; Frederic Bartumeus.

- 16** **Title of the work:** Hibernation of the slipper lobster *Scyllarides latus* in the Western Mediterranean  
**Name of the conference:** 11th International Conference and Workshop on Lobster Biology and Management  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**City of event:** Portland, Maine, United States of America  
**Date of event:** 06/2017  
**Organising entity:** University of Maine and Boston University  
David Díaz; Bernat Hereu; Eneko Aspillaga; Anabel Muñoz; Frederic Bartumeus; Raquel Goñi.
- 17** **Title of the work:** Movement and activity patterns of a coastal apex predator: implications for MPA benefits and management  
**Name of the conference:** 4th International Conference on Fish Telemetry  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Cairns, Australia  
**Date of event:** 06/2017  
**Organising entity:** James Cook University  
Eneko Aspillaga; Frederic Bartumeus; Richard M. Starr; Àngel López-Sanz; Cristina Linares; David Díaz; Joaquim Garrabou; Mikel Zabala; Bernat Hereu.
- 18** **Title of the work:** 25 years of research and monitoring in Medes Islands MPA (NW Mediterranean Sea)  
**Name of the conference:** 11th International Temperate Reefs Symposium  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** No  
**City of event:** Pisa, Italy  
**Date of event:** 06/2016  
**Organising entity:** University of Pisa  
Bernat Hereu; Cristina Linares; Eneko Aspillaga; Pol Capdevila; David Díaz; Joaquim Garrabou; Antoni García-Rubies; Mikel Zabala.
- 19** **Title of the work:** Disentangling the early dynamics and dispersal patterns of the long-lived macroalga *Cystoseira zosteroides*  
**Name of the conference:** 11th International Temperate Reefs Symposium  
**Geographical area:** Non EU International  
**Type of participation:** Participatory - poster  
**Corresponding author:** No  
**City of event:** Pisa, Italy  
**Date of event:** 06/2016  
**Organising entity:** University of Pisa  
Pol Capdevila; Cristina Linares; Eneko Aspillaga; Ignasi Montero-Serra; Bernat Hereu.
- 20** **Title of the work:** Ordinary and extraordinary movement behaviour of seabreams in a MPA: implications to management  
**Name of the conference:** 2015 Aquatic Science Meeting  
**Geographical area:** Non EU International



**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Granada, Spain

**Date of event:** 02/2015

**Organising entity:** Association for the Sciences of Limnology and Oceanography (ASLO)

Eneko Aspillaga; Frederic Bartumeus; Antoni García-Rubies; Àngel López-Sanz; David Díaz; Cristina Linares; Richard M. Starr; Bernat Hereu.

**21 Title of the work:** Recruitment dynamics in a marine long-lived species: the NW deep water algae *Cystoseira zosteroides*

**Name of the conference:** XVIII Simposio Ibérico de Estudios de Biología Marina

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Corresponding author:** No

**City of event:** Gijón, Spain

**Date of event:** 09/2014

**Organising entity:** Instituto Español de Oceanografía

Pol Capdevila; Cristina Linares; Eneko Aspillaga; Emma Cebrián; Diego K. Kersting; Laura Navarro; Núria Teixidó; Joan L. Riera; Bernat Hereu.

**22 Title of the work:** Caracterización y diagnosis del estado de conservación de las comunidades profundas dominadas por especies longevas y estructurales en la Reserva Marina de las Islas Columbretes y su entorno

**Name of the conference:** XVII Simposio Ibérico de Estudios de Biología Marina

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Corresponding author:** No

**City of event:** Donostia-San Sebastián, Spain

**Date of event:** 09/2012

**Organising entity:** AZTI Tecnalia

Laura Navarro; Eneko Aspillaga; Diego K. Kersting; Bernat Hereu; Núria Teixidó; Enric Ballesteros; Emma Cebrián; Joaquim Garrabou; David Díaz; David Amblàs; Miquel Canals; Cristina Linares.

**23 Title of the work:** Patrones de movimiento espacial y temporal de dentón (*Dentex dentex*) en la Reserva Marina de les Illes Medes

**Name of the conference:** XVII Simposio Ibérico de Estudios de Biología Marina

**Geographical area:** European Union

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Donostia-San Sebastián, Spain

**Date of event:** 09/2012

**Organising entity:** AZTI Tecnalia

Eneko Aspillaga; Frederic Bartumeus; David Díaz; Cristina Linares; Àngel López-Sanz; Richard M. Starr; Bernat Hereu.

**24 Title of the work:** Variación de la composición isotópica del nitrógeno orgánico particulado d15N en el Atlántico Norte

**Name of the conference:** III Simposio Internacional de Ciencias del Mar

**Geographical area:** Non EU International

**Type of participation:** Participatory - oral communication

**Corresponding author:** Yes

**City of event:** Cádiz, Spain



**Date of event:** 01/2012

**Organising entity:** Universidad de Cádiz

Eneko Aspillaga; Antonio Delgado; Montserrat Vidal.

**Type of entity:** University

## Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Measuring biological rhythms in marine fish using acoustic tracking  
**Name of the event:** 1st Annual Meeting of the Spanish Tracking Network  
**Type of event:** Workshop  
**Corresponding author:** No  
**Geographical area:** National  
**City of event:** Lluçmajor, Spain  
**Date of event:** 21/09/2021  
**End date:** 22/09/2021  
**Organising entity:** Institut Mediterrani d'Estudis Avançats  
**Type of entity:** Public Research Body  
Martina Martorell-Barceló; Eneko Aspillaga; Margarida Barcelo-Serra; Josep Alós.
- 2** **Title of the work:** Performance of a novel system for high-resolution tracking of marine fish  
**Name of the event:** 1st Annual Meeting of the Spanish Tracking Network  
**Type of event:** Workshop  
**Corresponding author:** Yes  
**Geographical area:** National  
**City of event:** Lluçmajor, Spain  
**Date of event:** 21/09/2021  
**End date:** 22/09/2021  
**Organising entity:** Institut Mediterrani d'Estudis Avançats  
**Type of entity:** Public Research Body  
Eneko Aspillaga; Robert Arlinghaus; Martina Martorell-Barceló; Margarida Barcelo-Serra; Josep Alós.
- 3** **Title of the work:** High-frequency Tracking in Marine Environments using 416 kHz JSATS & UMAP  
**Name of the event:** Lotek telemetry talks  
**Type of event:** Seminar  
**Corresponding author:** Yes  
**City of event:** Online,  
**Date of event:** 12/01/2021  
**Organising entity:** Lotek Wireless Inc.  
**Type of entity:** Business  
Robert Arlinghaus; Martina Martorell-Barceló; Guillermo Follana-Berná; Arancha Lana; Andrea Campos-Candela; Josep Alós.
- 4** **Title of the work:** Unveiling the behavioural variability and social structure of wild fish populations using high resolution acoustic telemetry  
**Name of the event:** Collective information processing workshop  
**Type of event:** Workshop  
**Corresponding author:** Yes  
**Geographical area:** Non EU International  
**City of event:** Berlin, Germany  
**Date of event:** 04/03/2020  
**End date:** 06/03/2020  
**Organising entity:** Humboldt University of Berlin  
**Type of entity:** University



Eneko Aspillaga; Robert Arlinghaus; Martina Martorell-Barceló; Margarida Barceló-Serra; Josep Alòs.

- 5** **Title of the work:** Connectivity between transboundary MPAs: the case of two fish species, grouper and white seabream  
**Name of the event:** Managing highly mobile species across Mediterranean Marine Protected Areas  
**Type of event:** Workshop  
**Corresponding author:** Yes **Reasons for participation:** Speaker  
**Geographical area:** European Union  
**City of event:** Akyaka, Turkey  
**Date of event:** 12/11/2019  
**End date:** 14/11/2019  
**Organising entity:** MedPAN **Type of entity:** Associations and Groups  
Eneko Aspillaga; Philippe Lenfant; Bernat Hereu.
- 6** **Title of the work:** Impacts of fishing, marine protected areas, and movement ecology of fishes  
**Name of the event:** Lecture in the Marine Biology course of the Degree in Biology imparted in the University of Vic (2h)  
**Type of event:** Course  
**Reasons for participation:** Speaker  
**City of event:** Vic, Spain  
**Date of event:** 22/11/2018  
**Organising entity:** Universitat de Vic **Type of entity:** University
- 7** **Title of the work:** Ecologia del moviment de peixos a les àrees marines protegides del litoral català  
**Name of the event:** Seminar  
**City of event:** Blanes, Spain  
**Date of event:** 03/05/2018  
**Organising entity:** Centre d'Estudis Avançats de Blanes (CEAB-CSIC) **Type of entity:** R&D Centre
- 8** **Title of the work:** Impacts of fishing, marine protected areas, and movement ecology of fishes  
**Name of the event:** Lecture in the Marine Biology course of the Degree in Biology imparted in the University of Vic (2h)  
**Type of event:** Course  
**Reasons for participation:** Speaker  
**City of event:** Vic, Spain  
**Date of event:** 14/12/2017  
**Organising entity:** Universitat de Vic **Type of entity:** University
- 9** **Title of the work:** Conservació marina: l'estudi de l'ecologia del moviment de peixos litorals  
**Name of the event:** Tronades Científico-Naturalistes  
**Type of event:** Seminar  
**Reasons for participation:** Speaker  
**City of event:** Mataró, Spain  
**Date of event:** 15/11/2017  
**Organising entity:** Agrupació Científico-Excursionista de Mataró
- 10** **Title of the work:** Results from acoustic telemetry studies in Catalunya  
**Name of the event:** eCATE Workshop -- Essential habitats and connectivity of coastal fish assemblages: methods for data sampling and analysis, and coastal management applications  
**Type of event:** Workshop





**Reasons for participation:** Speaker

**City of event:** Le Barcarès, France

**Date of event:** 05/07/2016

**Organising entity:** Centre de Recherche sur les Ecosystèmes Marins (CREM), Université de Perpignan Via Domitia (UPVD)

**11 Title of the work:** Fish movements and other conservation issues in the Mediterranean Sea

**Name of the event:** Seminar

**Type of event:** Seminar

**Reasons for participation:** Speaker

**City of event:** Radolfzell, Germany

**Date of event:** 23/02/2016

**Organising entity:** Max-Planck Institute for Ornithology

**12 Title of the work:** Respuesta del coralígeno del PN de Cabrera al cambio climático (CORCLIM): efectos principales en la especie estructural

**Name of the event:** Jornadas de Investigación en la Red de Parques Nacionales de 2015,

**Corresponding author:** Yes

**Geographical area:** National

**City of event:** Horcajo de los Montes, Spain

**Date of event:** 28/10/2015

**End date:** 30/10/2015

**Organising entity:** Organismo Autónomo de Parques Nacionales

**Type of entity:** Public Administration

Eneko Aspillaga; Cristina Linares; Pol Capdevila; Joaquim Garrabou; Jean-Baptiste Ledoux; Enric Ballesteros; Emma Cebrián; Jana Verdura; Díaz David.

**13 Title of the work:** Respuesta del coralígeno del PN de Cabrera al cambio climático (CORCLIM): efectos principales en la especie estructural

**Name of the event:** Jornadas de Investigación en la Red de Parques Nacionales de 2015,

**Corresponding author:** Yes

**Geographical area:** National

**City of event:** Horcajo de los Montes, Spain

**Date of event:** 28/10/2015

**End date:** 30/10/2015

**Organising entity:** Organismo Autónomo de Parques Nacionales

**Type of entity:** Public Administration

Eneko Aspillaga; Emma Cebrián; Enric Ballesteros; Jana Verdura; Díaz David; Cristina Linares; Jean-Baptiste Ledoux; Joaquim Garrabou; Pol Capdevila.





## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Comissió de Seguiment de la Reserva marina de la costa nord-est d'Eivissa-Tagomago  
**Affiliation entity:** Consejo Superior de Investigaciones Científicas  
**Start date:** 17/06/2021  
**Type of entity:** State agency
- 2** **Committee title:** Comissió de Seguiment de les reserves marines dels Freus d'Eivissa i Formentera i de la Punta de sa Creu  
**Affiliation entity:** Consejo Superior de Investigaciones Científicas  
**Start date:** 16/06/2021  
**Type of entity:** State agency

### Organization of R&D activities

- 1** **Title of the activity:** Organizer of the 3 Minute Talks contest of the Department of Evolutionary Biology, Ecology and Environmental Sciences  
**Convening entity:** Universitat de Barcelona  
**Start-End date:** 2017 - 2017
- 2** **Title of the activity:** Organizer of the seminars of the Department of Ecology  
**Type of activity:** Weekly seminars  
**Convening entity:** Universitat de Barcelona  
**Start-End date:** 2013 - 2017

### Evaluation and revision of R&D projects and articles

**Performed tasks:** Reviewer for the scientific journals "Marine Biology", "Fisheries Research", "Movement Ecology", "Scientia Marina", "Marine Ecology Progress Series", "Frontiers in Marine Science", "Journal of Animal Ecology", "Coral Reefs" and "Biological Invasions"

**Type of activity:** Review of articles in scientific or technological journals

**Start-End date:** 2015 - 2021



## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** Université de Perpignan Via Domitia **Type of entity:** University  
**Faculty, institute or centre:** Centre de Formation et de Recherche sur les Environnements Méditerranéens  
**City of entity:** Perpignan, France  
**Start-End date:** 21/01/2019 - 28/02/2019 **Duration:** 1 month - 11 days  
**Goals of the stay:** Contracted
- 2** **Entity:** Centre d'Estudis Avançats de Blanes (CEAB-CSIC)  
**City of entity:** Blanes, Spain  
**Start-End date:** 01/03/2017 - 31/12/2017 **Duration:** 10 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Acquisition of new analytical and computational skills. Writing scientific papers.
- 3** **Entity:** Max Planck Institute for Ornithology  
**City of entity:** Radolfzell, Germany  
**Start-End date:** 18/01/2016 - 17/04/2016 **Duration:** 3 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Acquisition of new computational and analytical skills for the analysis of fish movement data, supervised by Dr. Kamran Safi. Development of a new numerical method to estimate the 3D space use of fishes from acoustic telemetry data.
- 4** **Entity:** Smithsonian Conservation Biology Institute (SCBI)  
**City of entity:** Front Royal, United States of America  
**Start-End date:** 13/04/2015 - 24/04/2015 **Duration:** 12 days  
**Goals of the stay:** Doctorate  
**Provable tasks:** Attendance to the 'Animal Movement Analysis for Conservation' course. Analysis of fish movement data from acoustic telemetry studies. Writing a scientific paper.

### Obtained grants and scholarships

- 1** **Name of the grant:** Competitive Travel-Bags for international conference and courses  
**Awarding entity:** Universitat de Barcelona  
**Amount of the grant:** 500 €  
**Conferral date:** 2015
- 2** **Name of the grant:** Travel and Training Grant  
**Awarding entity:** British Ecological Society  
**Amount of the grant:** 680 €  
**Conferral date:** 2015
- 3** **Name of the grant:** Pre-doctoral fellowship in the program 'Formación de Profesorado Universitario' (FPU, AP2012-0141)  
**Aims:** Pre-doctoral  
**Awarding entity:** Ministerio de Educación, Cultura y Deporte, Gobierno de España



**Conferral date:** 2013

**Duration:** 4 years

**Entity where activity was carried out:** Universitat de Barcelona

**Faculty, institute or centre:** Departament d'Ecologia

## Summary of other achievements

- 1** **Description of the achievement:** Technics/Specializations: Scientific diver accreditation (Certificat d'Aptitude à l'Hyperbarie)  
**Accrediting entity:** Gouvernement de la République française  
**City accrediting entity:** France  
**Conferral date:** 2017
- 2** **Description of the achievement:** Technics/Specializations: Research user of laboratory animals (C category: responsible for directing animal experiments)  
**Accrediting entity:** University of Barcelona  
**Conferral date:** 2013
- 3** **Description of the achievement:** Other qualifications: Técnico deportivo de Nivel 1. Buceador Instructor, inscrito en el Registro Oficial de Profesionales del Deporte en Cataluña (REP009722)  
**Accrediting entity:** Consell Català de l'Esport, Generalitat de Catalunya  
**Conferral date:** 2012
- 4** **Description of the achievement:** Other qualifications: Scuba diving (PADI). Open Water Scuba Instructor (2006), Master Scuba Dive Trainer (2013), Emergency First Response Instructor (2014), Enriched Air Diver Instructor (2006), Emergency Oxygen Provider Instructor (2014), Ice Diver Instructor (2018). Long experience as instructor in several diving centers of the Basque Country (Spain).
- 5** **Description of the achievement:** Other qualifications: Vehicle driving. 1. Recreational boat driving license (Patron de Embarcaciones de Recreo, PER), 2017. 2. Car driving license (B type), 2017
- 6** **Description of the achievement:** Technics/Specializations: High skills in methods of electronic tagging (acoustic telemetry) of fish and crustaceans (©VEMCO)
- 7** **Description of the achievement:** Technics/Specializations: High skills in underwater sampling techniques for biological communities. Experience working in several Mediterranean Marine Protected Areas: Illes Medes and Cap de Creus (Catalunya, Spain), Columbretes Islands (Valencia, Spain), Port-Cros National Park (France), Cabrera Archipelago Maritime-Terrestrial National Park (Illes Balears, Spain).
- 8** **Description of the achievement:** Technics/Specializations: Quantitative software. Data management and statistical analysis: advanced R and Python computing skills, PRIMER (community analysis); Spatial analysis: ArcGis, QGIS, GRASS; Document preparation: LaTeX, Word; Graphic design: Photoshop, Illustrator, Lightroom and InDesign.