



## Francisco José Ramírez Benítez

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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.

**Pre-doctoral period:** My research background focused on evaluating the impact of human-caused environmental changes on the feeding ecology of target species and, ultimately, on their exposure to certain pollutants and pathogens. Notably, my thesis project resulted in 11 peer-reviewed papers and was awarded by the “Sociedad Española de Etología” as one of the best ethological studies in Spain (Etologuía, Bulletin of the Spanish Society of Ethology N° 23, 2011).

**Post-doctoral period.** After the completion of my PhD in 2010, I was awarded with a national fellowship for a two-year international research stay in Canada (under the supervision of Drs. Keith A. Hobson and Leonard I. Wassenaar) to conduct studies on stable isotope ecology. However, I turned down these fellowship as I was simultaneously offered a 2.5-year postdoctoral contract at the EBD-CSIC, a world leader research institutions on evolutionary and conservation biology (awarded as a Center of Excellence “Severo Ochoa”). During the 2011-2017 period I worked at the EBD-CSIC and participated in 5 national and 3 international research projects (2 of them international EU projects of the FP7 and H2020 Framework Programmes). Within these projects I led multidisciplinary ecological studies aimed at investigating the responses of wildlife to global-change related environmental stressors (25 published articles).

In September 2017, I joined the UB with a postdoctoral contract “Juan de la Cierva-Incorporación” and became a member of IrBio. At these institutions, I gained experience in academic tuition and teaching activities while deepening in investigating the impact of climate and human stressors on marine communities and wetlands of great ecological value (14 peer-reviewed papers).

In April 2020 I was hired within a EU-H2020 project (TRIATLAS) to conduct cutting-edge research on the combined effect of climate change and human impacts on key marine areas a species (6 research articles).

With 7 postdoctoral contracts (including a “Juan de la Cierva-Incorporación” and three EU projects from FP7 and H2020), I have established myself as a mature researcher. I have been able to integrate and develop my scientific expertise within the objectives of the different research groups with which I have been involved. Because of my interaction with both national and international researchers, I have gained flexibility in the use of different approaches and techniques to address my own scientific goals.

The scientific value and social interest of my research is demonstrated by the number of scientific works published in highly ranked peer-reviewed journals (70% in Q1 and 95% in Q1 & Q2); along with the number of national and international media that featured several of these publications. The supervision of 2 PhD-theses and 6 Masters theses on these or similar topics demonstrates the maturity of my research.

## 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.

(ORCID: 0000-0001-9670-486X; Researcher ID: I-3553-2014; Scopus ID: 55612439700). **1)** 56 published scientific articles (1 in press) in highly ranked peer-reviewed journals. **2)** 14 published articles within the top ten ranked journals in their categories including: Global Change Biology (IF: 8.88), Science Advances (IF: 11.51), Conservation Biology (IF: 5.89), Proceedings of the Royal Society B (IF: 4.94), Scientific Reports (IF: 4.259), Diversity and Distribution (IF: 4.83) or Environmental Science and Technology (IF: 5.23). **3)** 19 articles as first author, 16 articles as second author and 4 articles as the last author. **4)** Google Scholar: 1244 citations and H index=20; Scopus: 898 citations and H index=18. **5)** 7 postdoctoral contracts, including Juan de la Cierva-Incorporación (IFCI-2015-24531) and three contracts under international EU projects from FP7 (ECOGENES) and H2020 (ECOPOTENTIAL and TRIATLAS) Framework Programmes. **6)** participation in 15 national and international projects, and IP of a project funded by Phillip Island Nature Parks (Australia, AUS\$ 15000). **7)** supervision of two PhD theses and 6 Master theses. **8)** a wide international research network (co-authored with ca. 150 researchers from a number of countries and research institutes, source: Scopus). **9)** expert member of EVALUA (Agencia Estatal de Investigación), Oficina Española de Cambio Climático (OECC) and contributor to the IUCN assessment of the conservation status for the little penguin (*Eudyptula minor*). **10)** Profesor Contratado Doctor (ANECA, PCD: 2020-3561), Profesor Ayudante Doctor (ANECA, PCD: 2020-3562), Acreditació de Recerca (AQU, convocatoria Agregat 2020, NT2637N2R). **11)** Author of spatially-explicit assessments on the climate and fishing impacts on global hotspots of marine biodiversity (products hosted in DIGITAL.CSIC; accessed 634 times) and the most updates regional assessments of human and climate impacts for the Mediterranean Sea (products hosted on DIPOSIT.DIGITAL)



## Francisco José Ramírez Benítez

Surname(s): **Ramírez Benítez**  
Name: **Francisco José**  
ORCID: **0000-0001-9670-486X**  
ScopusID: **55612439700**  
ResearcherID: **I-3553-2014**  
Date of birth: **11/07/1980**  
Gender: **Male**  
Nationality: **Spain**  
Country of birth: **Spain**  
Aut. region/reg. of birth: **Catalonia**  
City of birth: **Barcelona**  
Contact aut. region/reg.: **Catalonia**  
Personal web page: **<https://fjramirez1980.wixsite.com/website>**

### Current professional situation

**Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Department:** Recursos Marinos Renovables, Instituto de Cièncis del Mar  
**Professional category:** Contracted postdoctoral researcher (H2020, TRIATLAS, No 817578)  
**Start date:** 16/04/2020  
**Type of contract:** Temporary employment contract      **Dedication regime:** Full time  
**Primary (UNESCO code):** 240106 - Animal ecology  
**Secondary (UNESCO code):** 240801 - Animal  
**Tertiary (UNESCO code):** 240119 - Marine zoology  
**Performed tasks:** My research focuses on global change ecology and marine biodiversity conservation, with a special emphasis on (i) investigating the long-term trends in key environmental and biological variables in the world's oceans; (ii) identifying those marine areas most at risk due to climate and human-driven environmental changes; (iii) evaluating wildlife responses to environmental changes in highly-impacted marine systems; and (iv) designing suitable management alternatives to enhance ecosystems' resilience to climate change and to ensure a sustainable balance between marine biodiversity conservation and human use of ecosystem services.  
**Identify key words:** Natural environment; Oceanography

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Universitat de Barcelona	Postdoctoral researcher, Juan de la Cierva-Incorporación (IJCI-2015-24531)	01/09/2017
2	Consejo Superior de Investigaciones Científicas	Contracted postdoctoral researcher ("European project H2020; Grant No. 641762 of Ecopotential")	16/11/2016
3	Phillip Island Nature Parks		01/05/2016

	Employing entity	Professional category	Start date
		Postdoctoral researcher ("Responses to a sea of changes: Oceanographic drivers of little penguin performance")	
4	Consejo Superior de Investigaciones Científicas	Contracted postdoctoral researcher ("Utilidad de los isótopos estables para la trazabilidad de plumas de palmípedas")	05/02/2016
5	Consejo Superior de Investigaciones Científicas Department: Biología de la Conservación	Scientific advisor of the "Laboratorio de Isótopos Estables de la Estación Biológica de Doñana" (LIE-EBD)	01/07/2011
6	Consejo Superior de Investigaciones Científicas	Contracted postdoctoral researcher ("Seabird Populations as Sentinels of the Svalbard Marine Ecosystem")	23/09/2015
7	Consejo Superior de Investigaciones Científicas	Contracted postdoctoral researcher ("Abundancia y distribución de depredadores apicales en el medio marino de Doñana: interacción con actividades humanas y sensibilidad a alteraciones del medio")	01/01/2014
8	Consejo Superior de Investigaciones Científicas	Contracted postdoctoral researcher ("European project FP7-REGPOT 2010-1; Grant No. 264125 of EcoGenes")	01/07/2011
9	Universitat de Barcelona	Technician hired within the project CGL2008-05448-C02-01/BOS	18/10/2010
10	Universitat de Barcelona	Research Assistant / Research Staff	17/05/2010
11	Universitat de Barcelona	Research Assistant / Research Staff	01/01/2010
12	Universitat de Barcelona	Technician hired within the project CGL2008-05448-C02-01/BOS	01/04/2009
13	Universitat de Barcelona	Predocctoral contract: FPU (AP-2004-3715)	01/01/2006
14	Universitat de Barcelona	Predocctoral fellow: FPU (AP-2004-3715)	01/04/2005

- 1** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Department:** Departament de Biologia Evolutiva, Ecologia i Ciències Ambientals, Facultat de Biologia  
**Professional category:** Postdoctoral researcher, Juan de la Cierva-Incorporación (IJCI-2015-24531) **Educational Management (Yes/No):** Yes  
**Start-End date:** 01/09/2017 - 31/08/2019 **Duration:** 2 years  
**Performed tasks:** My main professional activity as a post-doctoral researcher was focused on multidisciplinary ecological studies, based on the use of stable isotope approaches, remote sensing, animal tracking, GIS, and habitat and species distribution modeling, and aimed at investigating the ecological response of wildlife to global-change related environmental variations, in terms of dietary shifts or changes in patterns of habitat usage, and their ultimate consequences on the reproduction and the dynamics of wild populations.  
**Field of management activity:** University
- 2** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Professional category:** Contracted postdoctoral researcher ("European project H2020; Grant No. 641762 of Ecopotential")  
**Start-End date:** 16/11/2016 - 31/08/2017 **Duration:** 9 months - 15 days

**Performed tasks:** Project funded by the EU H2020 to improve and promote the use of remote sensing imagery for the proper conservation of the world protected areas

- 3** **Employing entity:** Phillip Island Nature Parks **Type of entity:** Foundation  
**Professional category:** Postdoctoral researcher ("Responses to a sea of changes: Oceanographic drivers of little penguin performance")  
**Start-End date:** 01/05/2016 - 31/10/2016 **Duration:** 6 months  
**Performed tasks:** Project founded by the Australian organization named "Phillip Island Nature Parks" to investigate environmental drivers of little penguin (*Eudyptula minor*) performance in a changing world
- 4** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Department:** Estación Biológica de Doñana  
**Professional category:** Contracted postdoctoral researcher ("Utilidad de los isótopos estables para la trazabilidad de plumas de palmípedas")  
**Start-End date:** 05/02/2016 - 04/04/2016 **Duration:** 2 months  
**Type of contract:** Temporary employment contract  
**Field of management activity:** Public Research Body
- 5** **Employing entity:** Consejo Superior de Investigaciones Científicas Department: Biología de la Conservación **Type of entity:** Public Research Body  
**Professional category:** Scientific advisor of the "Laboratorio de Isótopos Estables de la Estación Biológica de Doñana" (LIE-EBD)  
**Start-End date:** 01/07/2011 - 04/04/2016 **Duration:** 4 years - 9 months - 3 days  
**Performed tasks:** In parallel to my work as a researcher, I actively participate in the development and operation of the Stable Isotope Laboratory of the Biological Station of Doñana (LIE-EBD). My work as a scientific advisor of this isotope lab consists primarily in the development and validation of internal standards that allow the daily activity of the laboratory. Simultaneously, I give the widest possible dissemination to the laboratory by providing scientific advice to all researchers interested in incorporating isotopic approaches into their research.
- 6** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Department:** Estación Biológica de Doñana  
**Professional category:** Contracted postdoctoral researcher ("Seabird Populations as Sentinels of the Svalbard Marine Ecosystem")  
**Start-End date:** 23/09/2015 - 22/11/2015 **Duration:** 2 months  
**Type of contract:** Temporary employment contract  
**Performed tasks:** Project funded by the Norwegian Polar Institute to investigate climate impacts on the High Arctic seabird community.  
**Field of management activity:** Public Research Body
- 7** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Professional category:** Contracted postdoctoral researcher ("Abundancia y distribución de depredadores apicales en el medio marino de Doñana: interacción con actividades humanas y sensibilidad a alteraciones del medio")  
**Start-End date:** 01/01/2014 - 30/06/2015 **Duration:** 1 year - 6 months





- 8** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Professional category:** Contracted postdoctoral researcher ("European project FP7-REGPOT 2010-1; Grant No. 264125 of EcoGenes")  
**Start-End date:** 01/07/2011 - 20/10/2013 **Duration:** 2 years - 6 months  
**Performed tasks:** Project funded by the EU FP7 to investigate organisms' responses to climate driven environmental changes
- 9** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Technician hired within the project CGL2008-05448-C02-01/BOS  
**Start-End date:** 18/10/2010 - 18/02/2011 **Duration:** 4 months
- 10** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Research Assistant / Research Staff  
**Start-End date:** 17/05/2010 - 17/07/2010 **Duration:** 2 months
- 11** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Research Assistant / Research Staff  
**Start-End date:** 01/01/2010 - 28/02/2010 **Duration:** 2 months
- 12** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Technician hired within the project CGL2008-05448-C02-01/BOS  
**Start-End date:** 01/04/2009 - 31/07/2009 **Duration:** 4 months
- 13** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Predoctoral contract: FPU (AP-2004-3715)  
**Start-End date:** 01/01/2006 - 31/03/2009 **Duration:** 3 years - 3 months
- 14** **Employing entity:** Universitat de Barcelona **Type of entity:** University  
**Professional category:** Predoctoral fellow: FPU (AP-2004-3715)  
**Start-End date:** 01/04/2005 - 31/12/2005 **Duration:** 3 years - 3 months



## Education

### University education

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

**University degree:** Higher degree

**Name of qualification:** Bachelor in Biology

**Degree awarding entity:** Universitat de Barcelona    **Type of entity:** University

**Date of qualification:** 09/2003

**Average mark:** Good

#### Doctorates

**Doctorate programme:** Zoology

**Degree awarding entity:** Universitat de Barcelona    **Type of entity:** University

**City degree awarding entity:** Barcelona, Catalonia, Spain

**Date of degree:** 26/04/2010

**DEA awarding entity:** Universitat de Barcelona

**Date DEA was awarded:** 09/2005

**Thesis title:** Ecological applications of intrinsic tracers to the study of waterbirds

**Thesis director:** Carola Sanpera Trigueros

**Thesis co-director:** Lluís Jover Armengol

**Obtained qualification:** Excellent cum laude

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

- 1 Training title:** Entusiasmo en el aula. Claves para el diseño de una docencia motivadora  
**Awarding entity:** Institut de Ciències de l'Educació -ICE- Universitat de Barcelona  
**End date:** 2019
- 2 Training title:** Máster en docencia universitaria para profesores noveles  
**Awarding entity:** Institut de Ciències de l'Educació    **Type of entity:** University  
-ICE- Universitat de Barcelona  
**End date:** 2019    **Duration in hours:** 1500 hours
- 3 Training title:** Aprendizaje basado en proyectos: como empezar ya  
**Awarding entity:** Institut de Ciències de l'Educació -ICE- Universitat de Barcelona  
**End date:** 2018
- 4 Training title:** Diseña y prueba tu clase gamificada  
**Awarding entity:** Institut de Ciències de l'Educació -ICE- Universitat de Barcelona  
**End date:** 2018





- 5 Training title:** Diseño y realización de videos educativos  
**Awarding entity:** Institut de Ciències de l'Educació -ICE- Universitat de Barcelona  
**End date:** 2018
- 6 Training title:** Introduction to Marxan and MarZone courses  
**Awarding entity:** PaCMARA (Pacific Marine Analysis & Reseach Association); Victoria, Canada  
**End date:** 2018
- 7 Training title:** Modeling species distributions: methods and applications  
**Awarding entity:** Institut de Ciències del Mar - Consejo Superior de Investigaciones Científicas-  
**Type of entity:** Public Research Body  
**End date:** 2018
- 8 Training title:** Neurociencia para docentes universitarios  
**Awarding entity:** Institut de Ciències de l'Educació -ICE- Universitat de Barcelona  
**End date:** 2018
- 9 Training title:** Introduction to QGIS  
**Awarding entity:** Estación Biológica de Doñana  
**Type of entity:** State agency  
**End date:** 2017
- 10 Training title:** Introduction to GLM in R  
**Awarding entity:** Estación Biológica de Doñana  
**Type of entity:** State agency  
**End date:** 2013
- 11 Training title:** Introduction to ArcGis  
**Awarding entity:** Estación Biológica de Doñana  
**Type of entity:** State agency  
**End date:** 2012
- 12 Training title:** Introduction to a Laboratory Information Management System (LIMS) for light stable isotopes  
**Awarding entity:** US Geological Survey  
**Type of entity:** Public Research Body  
**End date:** 2011
- 13 Training title:** Accreditation in the use of animals for experimental and other scientific purposes  
**Awarding entity:** Departament de Medi Ambient i Habitatge. Direcció General de Medi Natural  
**Type of entity:** Agencia Autónomaica  
**End date:** 2004
- 14 Training title:** Teaching certificate "Certificado de Aptitud Pedagógica"  
**Awarding entity:** Universitat Politècnica de Catalunya  
**Type of entity:** University  
**End date:** 2004



## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		B1	B1	B1	B1
Catalan		C1	C1	C1	C1
Spanish		C1	C1	C1	C1
English		C1	C1	C1	C1

## Teaching experience

### General teaching experience

- 1 Name of the course:** Structure and Connectivity of Marine Populations  
**University degree:** Master in Oceanography and Management of Marine Systems  
**Start date:** 2018 **End date:** 2020  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia
- 2 Name of the course:** First Stable Isotope Course Applied to Trophic Studies  
**University degree:** Specialized course on Stable Isotopes  
**Start date:** 2019 **End date:** 2019  
**Entity:** Instituto de Ciencias del Mar **Type of entity:** State agency
- 3 Name of the course:** Biology II  
**University degree:** Bachelor in Marine Sciences  
**Start date:** 2017 **End date:** 2019  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Geologia
- 4 Name of the course:** Population Biology  
**University degree:** Bachelor in Biology  
**Start date:** 2017 **End date:** 2019  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia
- 5 Name of the course:** 3rd Stable Isotope Course in Ecology and Environmental Sciences  
**University degree:** Specialized course on Stable Isotopes  
**Start date:** 2018 **End date:** 2018  
**Entity:** Estación Biológica de Doñana **Type of entity:** State agency
- 6 Name of the course:** Environmental Toxicology  
**University degree:** Bachelor in Environmental Sciences  
**Start date:** 2017 **End date:** 2018  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia



**7 Name of the course:** Seabirds biology  
**University degree:** Master in Marine Sciences: Oceanography and marine management  
**Start date:** 2008 **End date:** 2008  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia

**8 Name of the course:** Population Biology  
**University degree:** Bachelor in Biology  
**Start date:** 2005 **End date:** 2008  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia

**9 Name of the course:** Zoology  
**University degree:** Bachelor in Biology  
**Start date:** 2005 **End date:** 2008  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Faculty, institute or centre:** Facultat de Biologia

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

**1 Project title:** Presiones antrópicas y eutrofización en la marisma de Doñana y sus cuencas vertientes  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Andrew John Green; Francisco Ramírez; Manuela G. Forero  
**Entity:** Universidad de Sevilla **Type of entity:** University  
**Student:** Irene Paredes Losada  
**Obtained qualification:** Excellent  
**Date of reading:** 22/04/2020

**2 Project title:** Scheduled behaviour by a scavenging seabird as an adaptative response to human activities  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Student:** Yaiza Parra Torres  
**Date of reading:** 09/2019

**3 Project title:** Follow that boat! Sptiotemporal buffers reveal seabird-fisheries interaction in a fine scale  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez; Carolina Sanpera  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Student:** Jazel Ouled-Cheikh Bonan  
**Date of reading:** 07/2019

**4 Project title:** Ecological responses to environmental variability by two sympatric seabirds in the western Mediterranean  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez; Isabel Afán; Manuela G. Forero  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Diego Vicente Sastre  
**Date of reading:** 10/10/2018



- 5** **Project title:** Interactions between two rodents, *Apodemus sylvaticus* and *Mus spretus*, in the Doñana National Park: a multidisciplinary approach using stable isotope analysis  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez; Simone Santoro; Sacramento Moreno  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Marina Fernández Millán  
**Date of reading:** 05/10/2017
- 6** **Project title:** Consistencia a nivel individual y poblacional en los hábitos tróficos de un depredador marino oportunista  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez; Manuela G. Forero; Joan Navarro  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Paula Lopezosa Estepa  
**Date of reading:** 27/07/2017
- 7** **Project title:** Ecological response by marine predators to environmental heterogeneity and spatiotemporal variability in resource availability  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Francisco Ramírez; Manuela G. Forero  
**Entity:** Universitat de Barcelona **Type of entity:** University  
**Student:** Isabel Afán Asencio  
**Obtained qualification:** Excellent cum laude  
**Date of reading:** 10/10/2016
- 8** **Project title:** APLICACION DE TECNICAS ISOTOPICAS PARA LA IMPLEMENTACION DEL ESTUDIO DE CALIDAD DE AGUAS EN LA MARISMA DE DOÑANA  
**Type of project:** Minor thesis  
**Co-director of thesis:** Francisco Ramírez; Manuela G. Forero  
**Entity:** Universidad Pablo de Olavide **Type of entity:** University  
**Student:** Critóbal Báñez  
**Date of reading:** 08/10/2014



## Scientific and technological experience

### Research and development groups/teams

- 1** **Name of the group:** Marine Renewal Resources Department  
**Aims of the group:** Marine ecology and conservation  
**Name of principal investigator:** Marta Coll Monton  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Spain  
**Affiliation entity:** Instituto de Ciencias del Mar **Type of entity:** State agency  
**Start date:** 2018
- 2** **Name of the group:** Centre d'Etudes Biologiques de Chizé  
**Aims of the group:** Conservation of antarctic seabirds  
**Name of principal investigator:** Yan Ropert-Coudert  
**Type of collaboration:** Co-authorship of international collaboration  
**City of group:** Chizé, France  
**Affiliation entity:** CNRS - Université La Rochelle **Type of entity:** Public Research Body  
**Start date:** 2017
- 3** **Name of the group:** TETRAPODA  
**Aims of the group:** Evolutionary biology and ecology of tetrapods  
**Name of principal investigator:** Carola Sanpera  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Spain  
**Affiliation entity:** Universitat de Barcelona **Type of entity:** University  
**Start date:** 2017
- 4** **Name of the group:** Ecosystems Programme  
**Aims of the group:** Conservation of antarctic seabirds  
**Name of principal investigator:** Richard Phillips  
**Type of collaboration:** Co-authorship of international collaboration  
**City of group:** Cambridge, United Kingdom  
**Affiliation entity:** British Antarctic Survey **Type of entity:** Public Research Body  
**Start date:** 2013
- 5** **Name of the group:** Research Department  
**Aims of the group:** Conservation of arctic seabirds  
**Name of principal investigator:** Sébastien Descamps  
**Type of collaboration:** Co-authorship of international collaboration  
**City of group:** Tromsø, Norway  
**Affiliation entity:** Norwegian Polar Institute  
**Start date:** 2013
- 6** **Name of the group:** Research Department  
**Aims of the group:** Conservation of penguin species and marine habitats  
**Name of principal investigator:** Andre Chiaradia



**Type of collaboration:** Co-authorship of international collaboration  
**City of group:** Cowes, Australia  
**Affiliation entity:** Phillip Island Nature Parks  
**Start date:** 2013

**7** **Name of the group:** Biodiversity and Conservation  
**Aims of the group:** Population dynamics of threatened species  
**Name of principal investigator:** Daniel Oro  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Spain  
**Affiliation entity:** Institut Mediterrani d'Estudis Avançats **Type of entity:** Public Research Body  
**Start date:** 2013

**8** **Name of the group:** Conservation Biology  
**Aims of the group:** Conservation biology of species and habitats  
**Type of collaboration:** Co-authorship of projects and their development  
**Affiliation entity:** Estación Biológica de Doñana **Type of entity:** State agency  
**Start date:** 2011

**9** **Name of the group:** UR Ecosystèmes & Ressources Aquatiques  
**Aims of the group:** Ecological studies on aquatic systems  
**Name of principal investigator:** Mohamed Salam Romdhane  
**Type of collaboration:** Co-authorship of international collaboration  
**City of group:** Tunis, Tunisia  
**Affiliation entity:** Institut National Agronomique de Tunis **Type of entity:** Public Research Body  
**Start date:** 2006

## Scientific or technological activities

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

- 1** **Name of the project:** TRIATLAS: South and Tropical Atlantic climate-based marine ecosystem prediction for sustainable management  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Ciencias del Mar **Type of entity:** State agency  
**City of entity:** Barcelona, Catalonia, Spain  
**Name principal investigator (PI, Co-PI...):** Marta Coll; Noel Keenlyside; Heino Fock  
**Funding entity or bodies:** European Commission  
**Type of participation:** Postdoctoral researcher  
**Name of the programme:** H2020  
**Start-End date:** 2019 - 2023  
**Total amount:** 11.000.000 €
- 2** **Name of the project:** Los arrozales del delta del Ebro como ecosistema clave para la especiación y biodisponibilidad del mercurio (CGL2016-80963-R)  
**Type of project:** Basic research (including archaeological digs, etc)





**Degree of contribution:** Researcher

**Entity where project took place:** Universitat de Barcelona **Type of entity:** University

**City of entity:** Barcelona, Catalonia, Spain

**Name principal investigator (PI, Co-PI....):** Carolina Sanpera

**Funding entity or bodies:**

Ministerio de Economía, Industria Y Competitividad **Type of entity:** State agency

**Type of participation:** Post-doctoral researcher

**Start-End date:** 2017 - 2019

**Total amount:** 157.300 €

**3 Name of the project:** ECOPOTENTIAL: improving future ecosystem benefits through earth observations

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana **Type of entity:** State agency

**City of entity:** Sevilla, Andalusia, Spain

**Name principal investigator (PI, Co-PI....):** Javier Bustamante

**Funding entity or bodies:**

European Commission

**Type of participation:** Postdoctoral researcher

**Name of the programme:** H2020

**Start-End date:** 2016 - 2019

**Total amount:** 319.495 €

**4 Name of the project:** Investigating the origin of the nutrients sources in Doñana using stable isotopes

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana **Type of entity:** State agency

**City of entity:** Seville, Andalusia, Spain

**Name principal investigator (PI, Co-PI....):** Andrew John Green

**Funding entity or bodies:**

EBD proposal call "Microproyectos" financed by the Spanish Ministry of Economy and Competitiveness, through the Severo Ochoa Program for Centres of Excellence in R+D+I (SEV-2012-0262)]

**Type of participation:** Post-doctoral researcher

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

**Total amount:** 5.000 €

**5 Name of the project:** Acuicultura y delfines: colaboración en la creación de bases científicas para una gestión en Red Natura 2000

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Researcher

**Entity where project took place:** Asociación de Naturalistas del Sureste

**City of entity:** Murcia, Region of Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Pedro Garcia Moreno

**Funding entity or bodies:**

Fundación Biodiversidad

**Type of entity:** Foundation

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

**Type of participation:** Postdoctoral researcher



**Start-End date:** 2014 - 2015

- 6** **Name of the project:** Determining the ecological risk of fishing activity on marine predators  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Estación Biológica **Type of entity:** State agency de Doñana  
**City of entity:** Seville, Andalusia, Spain  
**Name principal investigator (PI, Co-PI....):** Manuela González Forero  
**Funding entity or bodies:**  
EBD proposal call "Microproyectos" financed by the Spanish Ministry of Economy and Competitiveness, through the Severo Ochoa Program for Centres of Excellence in R+D+I (SEV-2012-0262)]  
**Type of participation:** Post-doctoral researcher  
**Start-End date:** 2014 - 2014  
**Total amount:** 4.850 €
- 7** **Name of the project:** EcoGenes. Adapting to Global Change in the Mediterranean hotspot: from genes to ecosystems  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Estación Biológica **Type of entity:** State agency de Doñana  
**City of entity:** Sevilla, Andalusia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan José Negro Balmaseda  
**Funding entity or bodies:**  
European Commission  
**Type of participation:** Postdoctoral researcher  
**Name of the programme:** 7th Framework Program (FP7-REGPOT-2010-1)  
**Start-End date:** 2011 - 2013  
**Total amount:** 2.761.415,82 €
- 8** **Name of the project:** Evaluación de la Ecología Trófica de la Comunidad de Cetáceos del Golfo de Cádiz  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Estación Biológica **Type of entity:** State agency de Doñana  
**City of entity:** Sevilla, Andalusia, Spain  
**Name principal investigator (PI, Co-PI....):** Renaud de Stephanis  
**Funding entity or bodies:**  
Ministerio de Ciencia e Innovación (Plan Nacional de I+D+i 2008-2011)  
**Type of participation:** Others  
**Start-End date:** 2011 - 2013  
**Total amount:** 122.301 €
- 9** **Name of the project:** El papel del arrozal en la ecología trófica y reproductiva de la gaviota de Audouin (Larus audouinii) en el Delta del Ebro  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universitat de **Type of entity:** University Barcelona



**City of entity:** Barcelona, Catalonia, Spain

**Name principal investigator (PI, Co-PI....):** Carola Sanpera Trigueros

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

**Type of entity:** Ministerio de Ciencia e Innovación

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

**Type of participation:** Others

**Start-End date:** 2009 - 2011

**10 Name of the project:** Efecto de la clausura de un vertedero en la población de gaviota patiamarilla (*Larus michahellis lusitanus*) en Gipuzkoa.

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Researcher

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

**Type of entity:** University

**City of entity:** Barcelona, Catalonia, Spain

**Name principal investigator (PI, Co-PI....):** Carola Sanpera Trigueros

**Funding entity or bodies:**

Sociedad de Ciencias Aranzadi

**Type of participation:** Others

**Start-End date:** 2010 - 2010

**11 Name of the project:** Evaluación del impacto ambiental del mercurio en ecosistemas de alto interés ecológico. Subproyecto 1.

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Researcher

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

**Type of entity:** University

**City of entity:** Barcelona, Catalonia, Spain

**Name principal investigator (PI, Co-PI....):** Carola Sanpera Trigueros

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

**Type of entity:** Ministerio de Ciencia e Innovación

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

**Type of participation:** Others

**Start-End date:** 2008 - 2010

**12 Name of the project:** Conservación de la Garcera de Santiago de Chikly (Túnez) en el Marco del Programa Azahar: Biomarcadores y contaminantes como potenciadores de su interés ecoturístico y medioambiental

**Type of project:** Basic research (including archaeological digs, etc)

**Degree of contribution:** Thesis project

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

**Type of entity:** University

**City of entity:** Barcelona, Catalonia, Spain

**Name principal investigator (PI, Co-PI....):** Francisco Javier Ruiz Gabriel

**Funding entity or bodies:**

MINISTERIO DE EDUCACION Y CIENCIA

**City funding entity:** Spain

**Type of participation:** pre-doctoral research

**Start-End date:** 2004 - 2007



- 13 Name of the project:** Caracterització isotòpica de les principals espècies-presa dels arrossars del Delta de l'Ebre  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Thesis project  
**Entity where project took place:** Universitat de Barcelona      **Type of entity:** University  
**City of entity:** Barcelona, Catalonia, Spain  
**Name principal investigator (PI, Co-PI....):** Francisco Javier Ruiz Gabriel  
**Funding entity or bodies:**  
Comissió interdepartamental de Recerca i Innovació Tecnològica de la Generalitat de Catalunya (CIRIT)  
**Type of participation:** pre-doctoral research  
**Start-End date:** 2004 - 2006
- 14 Name of the project:** Aplicación de biomarcadores a la gestión de una especie problemática (Larus cachinnans)  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Thesis project  
**Entity where project took place:** Universitat de Barcelona      **Type of entity:** University  
**City of entity:** Barcelona, Catalonia, Spain  
**Name principal investigator (PI, Co-PI....):** Francisco Javier Ruiz Gabriel  
**Type of participation:** pre-doctoral research  
**Start-End date:** 2003 - 2006
- 15 Name of the project:** Seguimiento de los parámetros poblacionales, alimentación de la gaviota patiamarilla (Larus michahellis) y efecto de la competencia y la depredación sobre la gaviota de Audouin  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Technician  
**Entity where project took place:** Universitat de Barcelona      **Type of entity:** University  
**City of entity:** Barcelona, Catalonia, Spain  
**Name principal investigator (PI, Co-PI....):** Francisco Javier Ruiz Gabriel  
**Funding entity or bodies:**  
Departament de Medi Ambient de la Generalitat de Catalunya  
**Type of participation:** field work and data analysis  
**Start-End date:** 2003 - 2003

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

- 1 Name of the project:** Responses to a sea of changes: Oceanographic drivers of little penguin performance  
**Type of project:** Basic research (including archaeological digs, etc)      **Entity where project took place:** Phillip Island Nature Parks  
**Degree of contribution:** Researcher  
**Entity where project took place:** Phillip Island Nature Parks      **Type of entity:** Foundation  
**City of entity:** Cowes, Australia  
**Name principal investigator (PI, Co-PI....):** Francisco Ramírez  
**Funding entity or bodies:**  
Phillip Island Nature Park      **Type of entity:** Foundation  
**City funding entity:** Melbourne, Australia



**Type of project:** Cooperation

**Start date:** 2016

**Total amount:** 9.640 €

**Duration:** 6 months

**2 Name of the project:** Seabird Populations as Sentinels of the Svalbard Marine Ecosystem

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Estación Biológica de Doñana

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana

**Type of entity:** State agency

**Name principal investigator (PI, Co-PI....):** Andre Chiaradia

**Participating entity/entities:** Estación Biológica de Doñana; Norwegian Polar Institute

**Funding entity or bodies:**

Norwegian Polar Institute

**Type of entity:** Public Research Body

**City funding entity:** Tromso, Norway

**Type of project:** Cooperation

**Start date:** 2015

**3 Name of the project:** Utilidad de los isótopos estables para la trazabilidad de plumas de palmípedas utilizadas en la fabricación de tejidos de uso humano: generación de base de datos de referencia

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Estación Biológica de Doñana

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana

**Type of entity:** State agency

**Name principal investigator (PI, Co-PI....):** Andre Chiaradia

**Participating entity/entities:** Estación Biológica de Doñana; Navarpluma

**Funding entity or bodies:**

Navarpluma

**Type of entity:** Business

**Type of project:** Cooperation

**Start date:** 2015

**4 Name of the project:** Evaluating the effect of climate change on trophic ecology and population dynamics of Little Penguin Eudyptula minor

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Estación Biológica de Doñana

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana

**Type of entity:** State agency

**Name principal investigator (PI, Co-PI....):** Andre Chiaradia

**Participating entity/entities:** Estación Biológica de Doñana; Phillip Island Nature Park

**Funding entity or bodies:**

Phillip Island Nature Park

**Type of entity:** Public Research Body

**City funding entity:** Melbourne, Australia

**Type of project:** Cooperation

**Start date:** 2012



**5 Name of the project:** Abundancia y distribución de depredadores apicales en el medio marino de Doñana: interacción con actividades humanas y sensibilidad a alteraciones del medio

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** Estación Biológica de Doñana

**Degree of contribution:** Researcher

**Entity where project took place:** Estación Biológica de Doñana **Type of entity:** State agency

**Name principal investigator (PI, Co-PI....):** Manuela González Forero

**Funding entity or bodies:**

Compañía Española de Petróleos, S.A.

**Type of entity:** Business

**City funding entity:** San Fernando de Henares, Community of Madrid, Spain

**Start date:** 2011

**Total amount:** 290,97 €

## Scientific and technological activities

### Scientific production

**H index:** 18

**Date of application:** 2021

**Fuente de Índice H:** SCOPUS

### Publications, scientific and technical documents

**1** Francisco Ramírez; María G. Pennino; Marta Albo-Puigserver; Jeroen Steenbeeck; José M. Bellido; Marta Coll. SOS small pelagics: a Safe Operating Space for small pelagic fish in the Western Mediterranean Sea. Science of the Total Environment. 756, pp. 144002. 2021. ISSN 0048-9697

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 6

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Environmental Science (miscellaneous)

**Impact index in year of publication:** 6.551

**Journal in the top 25%:** Yes

**Position of publication:** 22

**No. of journals in the cat.:** 265

**Relevant publication:** Yes

**2** S. Descamps; F. Ramírez; S. Benjaminsen; T. Anker-Nilssen; R.T. Barrett; Z. Burr; S. Christensen-Dalsgaard; K.E. Erikstad; D.B. Irons; S.H. Lorentsen; M.L. Mallory; G. Robertson; H. Strøm; Ø. Varpe; S. Lavergne. Diverging phenological responses of Arctic seabirds to an earlier spring. Global Change Biology. 25 - 12, pp. 4081 - 4091. 2019. ISSN 0960-9822

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 2

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 15

**Corresponding author:** No

**Impact source:** ISI

**Category:** Environmental Science (miscellaneous)

**Impact index in year of publication:** 8.88

**Journal in the top 25%:** Yes

**Position of publication:** 3

**No. of journals in the cat.:** 241



**Relevant results:** This is the result of a joint international effort (13 research institutions) for providing the furthest insights so far on how the whole Arctic seabird community is responding phenologically to climate driven environmental changes. We conclude that mistiming processes are likely responsible of declining population trends for some of these seabird species. I am the second author of this work, the only Spanish contributor and the responsible of the environmental analyses, i.e., environmental trends over the last decades for the main ocean basins.

**Relevant publication:** Yes

- 3** Airam Rodríguez; José Manuel Arcos; Vincent Bretagnolle; Maria Dias; Nick Holmes; Maite Louzao; Jennifer Provencher; Andre Raine; Francisco Ramírez; Beneharo Rodríguez; Robert A. Ronconi; Rebecca S. Taylor; Elsa Bonneaud; Stephanie Borrelle; Vero Cortés; Sebastian Descamps; Vicki L. Friesen; Meritxell Genovart; April Hedd; Peter Hodum; Grant Humphries; Matthieu Le Corre; Camille Lebarbenchon; Rob Martin; Edward F. Melvin; William A. Montevecchi; Patrick Pinet; Ingrid Pollet; Raül Ramos; James Russell; Peter G. Ryan; Ana Sanz-Aguilar; Dena Spatz; Marc Travers; Stephen C. Votier; Ross Wanless; Eric Woehler; André Chiaradia. Future Directions in Conservation Research on Petrels and Shearwaters . *Frontiers in Marine Science*. 6, pp. 94. 2019. ISSN 2296-7745

**Type of production:** Scientific paper

**Position of signature:** 9

**Total no. authors:** 38

**Impact source:** ISI

**Impact index in year of publication:** 3.086

**Relevant results:** This is the result of a joint international effort (38 different research institutions) for providing the furthest insights so far on the progress, the challenges and the path ahead for the conservation research on petrels and shearwaters. As stated in the authors' contributions, I was the leader of the working group on impacts from climate change and extreme weather events on these two seabird groups. This will be part of the special issue on marine megafauna by "Frontiers in Marine Science". This journal, edited by Carlos M. Duarte, is becoming a reference journal in marine research.

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

- 4** Yan Ropert-Coudert; Andre Chiaradia; David G. Ainley; Andres Barbosa; Thierry Boulinier; Rebecka Brasso; Meagan Dewar; Ursula Ellenberg; Louise Emmerson; Rachel Hickcox; Stephanie Jenouvrier; Rebecca McIntosh; Lewis Phoebe; Francisco Ramírez; Valeria Ruoppolo; Peter G. Ryan; Phil Seddon; Richard B. Sherley; Ralph Vanstreels; Lauren Waller; Eric Woehler; Phil N. Trathan. Happy Feet in a hostile world? The future of penguins depends on proactive management of current and predictable threats. *Frontiers in Marine Science*. 6, pp. 248. 2019. ISSN 2296-7745

**Type of production:** Scientific paper

**Position of signature:** 14

**Total no. authors:** 22

**Impact source:** ISI

**Impact index in year of publication:** 3.086

**Relevant results:** This is the result of a joint international effort (23 research institutions) for providing the furthest insights so far on the progress, the challenges and the path ahead for the conservation research on penguin species (18 different species). I was the leader of the working group on coastal and at-sea impacts on penguins; and the only Spanish co-author. This will be part of the special issue on marine megafauna by "Frontiers in Marine Science". This journal, edited by Carlos M. Duarte, is becoming a reference journal in marine research.

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

- 5** Irene Paredes; Francisco Ramírez; Manuela G. Forero; Andrew J. Green. Stable isotopes in helophytes reflect anthropogenic nitrogen pollution in entry streams at the Doñana wetland World Heritage Site. *Ecological Indicators*. 97, pp. 130 - 140. 2019. ISSN 1470-160X

**Type of production:** Scientific paper

**Format:** Journal



**Position of signature:** 2

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 3.983

**Position of publication:** 48

**Relevant results:** This publication constitutes one the the Chapters of a PhD thesis I co-supervised

**Relevant publication:** Yes

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Environmental Science (miscellaneous)

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 241

- 6** Isabel Afán; Joan Giménez; Manuela Forero; Francisco Ramírez. An adaptive method for identifying marine areas of highest conservation priority. *Conservation Biology*. 32 - 6, pp. 1436 - 1447. 2018. ISSN 0888-8892

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 5.89

**Position of publication:** 3

**Relevant results:** We combined novel data on seabirds' distribution, fishing intensity and main environmental features in a cutting-edge approach for marine spatial conservation planning to identifying priority areas for biodiversity conservation in the iconic Argentinean Patagonian. Our method of reserve network design is an important advance with respect to the more classical approaches based on criteria defined for one or a few species and may be particularly useful when information on spatial patterns is data deficient. Our approach also accommodates addition of new information on seabird distribution and population dynamics, human activities, and alterations in the marine environment. The results of this work were widely spread by a number of both national and international media including radio programs (e.g. "Españoles en la Mar") This is also the last deliverable of the Doctoral thesis I have supervised by Isabel Afán.

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Conservation Biology

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 55

- 7** Francisco Ramírez; Marta Coll; Joan Navarro; Javier Bustamante; Andy Green. Spatial congruence between multiple stressors in the Mediterranean Sea may reduce its resilience to climate impacts. *Scientific Reports*. 8, pp. 14871. 2018. ISSN 2045-2322

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 4.122

**Position of publication:** 12

**Relevant results:** We have applied for the very first time the concept of "safe operating space" (SOS) in an iconic marine environment: the Mediterranean Sea. We have illustrated the spatial congruence between climate and human stressors impacting this iconic "miniature ocean" synergistically. We use long-term, spatially-explicit information on the distribution of multiple stressors to identify those highly impacted marine areas where human stressors should be prioritized for management if the resilience to climate impacts is to be maintained. The results of this work were widely spread by a number of both national and international media

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Multidisciplinary Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 64

- 8** Francisco Ramírez; Afán Isabel; Davis Lloyd; Chiaradia Andre. Climate impacts on global hotspots of marine biodiversity. *Science Advances*. 3, pp. e1601198. 2017. ISSN 2375-2548

**Type of production:** Scientific paper

**Position of signature:** 1

**Format:** Journal

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 11.511

**Position of publication:** 4

**Relevant results:** We combined information on marine biodiversity with spatial assessments of the impacts of climate change to identify the key areas to prioritize for the conservation of global marine biodiversity. Resulting hotspots of marine biodiversity coincide with areas most severely affected by global warming and fishing activities. In light of these findings, we offer an adaptable framework for determining local to regional areas of special concern for the conservation of marine biodiversity. This has exposed also the need for finer-scaled fishery data to assist in the management of global fisheries if the accumulative, but potentially preventable, effect of fishing on climate change impacts is to be minimized within areas prioritized for marine biodiversity conservation. The results of this work were widely spread by a number of both national and international media, including radio and TV programs (e.g. "Españoles en la Mar" -RTVE-; CNN)

**Relevant publication:** Yes

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Multidisciplinary Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 64

- 9** Francisco Ramírez; Arnaud Tarraux; Joan Navarro; Johanna Hovinen; Manuela Forero; Sébastien Descamps. Sea ice phenology and primary productivity pulses shape breeding success in Arctic seabirds. *Scientific Reports*. 7, pp. 4500. 2017. ISSN 2045-2322

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 4.122

**Position of publication:** 12

**Relevant results:** We investigated the chronological sequence of productivity pulses and its potential cascading impacts on the reproductive performance of the High Arctic seabird community from Svalbard, Norway. We provided some of the first evidence suggesting that climate driven changes in seasonal processes at these unique systems may impact the breeding performance of seabirds through changes in the structure and functioning of marine food webs. The results of this work were widely spread by a number of both national and international media.

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Multidisciplinary Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 64

- 10** Francisco Ramírez; Isabel Afán; Giacomo Tavecchia; Ignasi A. Catalán; Daniel Oro; Ana Sanz-Aguilar. Oceanographic drivers and mistiming processes shape breeding success in a seabird. *Proceedings of the Royal Society B*. 283, pp. 20152287. 2016. ISSN 0962-8452

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 4.94

**Position of publication:** 9

**Relevant results:** We are among the first to identify those oceanographic drivers and mechanistic processes lead timing reproduction in seabirds. We therefore provide a suitable framework to assess the impact of climate-change related environmental variability on seabird breeding phenology and performance. The results of this work were widely spread by a number of both national and international media

**Relevant publication:** Yes

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Biology

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 85



- 11** Isabel Afán; André Chiaradia; Manuela G. Forero; Peter Dann; Francisco Ramírez. A novel spatio-temporal scale to integrate oceanographic variables into the environment of marine consumers. Proceedings of the Royal Society B. 282 - 20150721, 2015. ISSN 0962-8452

**Type of production:** Scientific paper

**Position of signature:** 5

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 4.823

**Position of publication:** 9

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee

**Corresponding author:** No

**Category:** Biology

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 86

**Relevant results:** This is the first deliverable of the Doctoral thesis I supervised by Isabel Afan. In this work we determined the actual spatiotemporal scale at which a marine predator interacts with the environment. In particular we demonstrated, for the very first time, that the ocean dynamism cannot be neglected when investigating the interlink between the oceanographic and biological processes leading to seabirds' reproductive phenology and performance. This work was front page of CSIC webpage and was spread through more than 10 media in Europe and Australia

**Relevant publication:** Yes

- 12** Francisco Ramírez; Aida Abdennadher; Carola Sanpera; Lluís Jover; Keith A. Hobson; Leonard I. Wassenaar. Tracing waterbird exposure to trace metals: a case study at the solar saltworks of Thyna (Sfax, Tunisia). Environmental Science & Technology. 45 - 12, pp. 5118 - 5124. 2011. ISSN 0013-936X

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 5.228

**Position of publication:** 8

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - ENVIRONMENTAL SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 203

**Relevant results:** we provide advances on the evaluation of environmental drivers of pollutant exposure by wildlife

**Relevant publication:** Yes

- 13** Francisco Ramírez; Keith A. Hobson; Owen S. Wangensteen; Meritxell Genovart; Ginés Viscor; Carola Sanpera; Lluís Jover. A physiological marker for quantifying differential reproductive investment between the sexes in Yellow-legged gulls (*Larus michahellis*). Journal of Experimental Marine Biology and Ecology. 396 - 1, pp. 48 - 52. 2010. ISSN 0022-0981

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 1.91

**Position of publication:** 35

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 97

**Relevant results:** We proposed a new approach based on physiological markers to investigate sex allocation and reproductive investment. We are among the first in quantitatively demonstrating the equal reproductive investment by sexes in the early stages of reproduction for an anisogamic species with biparental care

**Relevant publication:** Yes



- 14** Francisco Ramírez; Andre Chiaradia; Danielle O'Leary; Richard Reina. Making most of the old age: Autumn breeding as an extra reproductive investment in older seabirds. *Ecology and Evolution*. accepted paper - in press, 2021. ISSN 2045-7758  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 4  
**Impact source:** ISI  
**Impact index in year of publication:** 2.392  
**Position of publication:** 71  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Ecology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 168
- 15** Irene Paredes; Francisco Ramírez; David Aragonés; Miguel A. Bravo; Manuela G. Forero; Andrew J. Green. Ongoing anthropogenic eutrophication of the catchment area threatens the Doñana World Heritage Site (South-west Spain). *Wetlands Ecology and Management*. 29, pp. 41 - 65. 2021. ISSN 0923-4861  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 1.221  
**Position of publication:** 229  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Environmental Science (miscellaneous)  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 265
- 16** Francisco Ramírez; Diego Vicente-Sastre; Isabel Afán; José M. Igual; Daniel Oro; Manuela G. Forero. Stable isotopes in seabirds reflect changes in marine productivity patterns. *Marine Ecology Progress Series*. accepted paper - in press, 2021. ISSN 0171-8630  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 2.326  
**Position of publication:** 72  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Ecology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 128
- 17** Isabel Afán; J.M. Arcos; Francisco Ramírez; David García; Beneharo Rodríguez; Karine Delord; Amélie Boué; Thierry Micol; Henry Weimerskirch; Maite Louzao. Where to head: environmental conditions shape foraging destinations in a critically endangered seabird. *Marine Biology*. 168 - 23, pp. 144002. 2021. ISSN 0025-3162  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 10  
**Impact source:** ISI  
**Impact index in year of publication:** 2.05  
**Position of publication:** 32  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 107
- 18** Yaiza Parra-Torres; Francisco Ramírez; Isabel Afán; Jacopo Aguzzi; Willem Bouten; Manuela G. Forero; Joan Navarro. Behavioral rhythms of an opportunistic predator living in anthropogenic landscapes. *Movement Ecology*. 8, pp. 17. 2020. ISSN 2051-3933  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee



**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 3.365  
**Position of publication:** 42

**Corresponding author:** No  
**Category:** Ecology  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 168

- 19** Jazel Ouled-Cheikh; Carola Sanpera; Juan Bécares; José M. Arcos; Josep L. Carrasco; Francisco Ramírez. Spatiotemporal analyses on tracking data reveal fine-scale, daily cycles in seabird-fisheries interactions. ICES Journal of Marine Science. fsaa098, 2020. ISSN 1054-3139

**Type of production:** Scientific paper  
**Position of signature:** 5

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 106

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 3.188

**Position of publication:** 11

- 20** Paula Lopezosa; Manuela G. Forero; Francisco Ramírez; Joan Navarro. Individuals within populations: no evidences of individual specialization in the trophic habits of an opportunistic predator. Estuarine Coastal and Shelf Science. 229, pp. 106427. 2019. ISSN 0272-7714

**Type of production:** Scientific paper  
**Position of signature:** 3

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

**Journal in the top 25%:** No

**No. of journals in the cat.:** 106

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 2.611

**Position of publication:** 23

- 21** Joan Giménez; Ana Cañadas; Francisco Ramírez; Isabel Afán; Susana García-Tiscar; Carolina Fernández-Maldonado; Juan José Castillo; Renaud de Stephanis. Living apart together: niche partitioning among Alboran Sea cetaceans. Ecological Indicators. 95 - 1, pp. 32 - 40. 2018. ISSN 1470-160X

**Type of production:** Scientific paper  
**Position of signature:** 3

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Environmental Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 241

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 3.983

**Position of publication:** 48

- 22** Airam Rodríguez; Francisco Ramírez; M. Nazaret Carrasco; Andre Chiaradia. Seabird plastic ingestion differs among collection methods: examples from the short-tailed shearwater. Environmental Pollution. 243, pp. 1750 - 1757. 2018. ISSN 0269-7491

**Type of production:** Scientific paper  
**Position of signature:** 2

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Environmental Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 241

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 4.358

**Position of publication:** 39



- 23** Joan Giménez; Ana Marçalo; Francisco Ramírez; Philippe Verborgh; Pauline Gauffier; Ruth Esteban; Lúdia Nicolau; Enrique González-Ortegón; Francisco Baldó; César Vilas; José Vingada; Manuela Forero; Renaud de Stephanis. Diet of bottlenose dolphins (*Tursiops truncatus*) from the Gulf of Cadiz: Insights from stomach content and stable isotope analyses. PLoSONE. 12 - 9, pp. e0184673205 - 215. 2017. ISSN 1932-6203
- Type of production:** Scientific paper  
**Position of signature:** 3
- Total no. authors:** 13  
**Impact source:** ISI  
**Impact index in year of publication:** 2.766  
**Position of publication:** 15
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Multidisciplinary Sciences  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 64
- 24** Joan Giménez; Ana Cañadas; Francisco Ramírez; Isabel Afán; Susana García-Tiscar; Carolina Fernández-Maldonado; Juan José Castillo; Renaud de Stephanis. Intra- and interspecific niche partitioning in striped and common dolphins inhabiting the south-western Mediterranean Sea. Marine Ecology Progress Series. 567, pp. 199 - 210. 2017. ISSN 0171-8630
- Type of production:** Scientific paper  
**Position of signature:** 3
- Total no. authors:** 8  
**Impact source:** ISI  
**Impact index in year of publication:** 2.276  
**Position of publication:** 28
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 106
- 25** Joan Giménez; Francisco Ramírez; Joan Navarro; Javier Almunia; Manuela Forero; Renaud de Stephanis. Lipid effect on isotopic values in bottlenose dolphins (*Tursiops truncatus*) and its prey with implications for diet assessment. Marine Biology. 164, pp. 122. 2017. ISSN 0025-3162
- Type of production:** Scientific paper  
**Position of signature:** 2
- Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 2.215  
**Position of publication:** 30
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 106
- 26** Joan Navarro; Isabel Afán; Francisco Ramírez; David Grémillet; Willen Bouten; Manuela Forero. Shifting individual habitat specialization of a successful predator living in anthropogenic landscapes. Marine Ecology Progress Series. 578, pp. 243 - 251. 2017. ISSN 0171-8630
- Type of production:** Scientific paper  
**Position of signature:** 3
- Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 2.276  
**Position of publication:** 28
- Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 106

- 27** Joan Giménez; Marie Louis; Enrique Barón; Francisco Ramírez; Philippe Verborgh; Pauline Gauffier; Ruth Esteban; Ethel Eljarrat; Damià Barceló; Manuela Forero; Renaud de Stephanis. Towards the identification of ecological management units: a multidisciplinary approach for the effective management of bottlenose dolphins in the southern Iberian Peninsula. *Aquatic Conservation*. 28, pp. 205 - 215. 2017. ISSN 1052-7613  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 11  
**Impact source:** ISI  
**Impact index in year of publication:** 2.988  
**Position of publication:** 14  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 106
- 28** Joan Navarro; David Grémillet; Afán Isabel; Ramírez Francisco; Willem Bouten; Manuela Forero. Feathered detectives: real-time GPS tracking of scavenging gulls pinpoints illegal waste dumps. *PLoS ONE*. 11 - 7, pp. e0159974. 2016. ISSN 1932-6203  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 2.806  
**Position of publication:** 15  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Multidisciplinary Sciences  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 64
- 29** Joan Giménez; Francisco Ramírez; Javier Almunia; Manuela Forero; Renaud de Stephanis. From the pool to the sea: applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*). *Journal of Experimental Marine Biology and Ecology*. 475, pp. 54 - 61. 2016. ISSN 0022-0981  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 1.866  
**Position of publication:** 38  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 103
- 30** Cristina Coccia; Brian Fry; Francisco Ramírez; Luz Boyero; S.E. Bunn; C. Díaz-Salgado; Mark Walton; Luis Le Vay; Andy J. Green. Niche partitioning between invasive and native corixids (Hemiptera, Corixidae) in south-west Spain. *Aquatic Sciences*. in press, 2016. ISSN 1015-1621  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 9  
**Impact source:** ISI  
**Impact index in year of publication:** 2.801  
**Position of publication:** 15  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 105
- 31** André Chiaradia; Joan Giménez; Francisco Ramírez; Manuela Forero; Keith A. Hobson. Stable isotopes (d13C, d15N) combined with conventional dietary approaches reveal plasticity in central-place foraging behavior of Little penguins *Eudyptula minor*. *Frontiers in Ecology and Evolution*. 3 - 154, pp. doi: 10.3389/fevo.2015.00154. 2016. ISSN 2296-701X  
**Type of production:** Scientific paper  
**Format:** Journal



**Position of signature:** 2

**Total no. authors:** 4

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

- 32** Francisco Ramírez; Manuela G. Forero; Keith A. Hobson; André Chiaradia. Older female little penguins adjust nutrient allocations to both eggs and chicks. *Journal of Experimental Marine Biology and Ecology*. 468, pp. 91 - 96. 2015. ISSN 0022-0981

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 1.796

**Position of publication:** 44

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Category:** Marine & Freshwater Biology

**Journal in the top 25%:** No

**No. of journals in the cat.:** 104

- 33** Ana Sanz-Aguilar; Giacomo Tavecchia; Isabel Afán; Francisco Ramírez; Aggeliki Doxa; Albert Bertolero; Manuela González Forero; Daniel Oro. Living on the edge: Demography of the Slender-billed Gull in the Western Mediterranean. *PLoS ONE*. 9 - 3, pp. e92674. 2014. ISSN 1932-6203

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 3.234

**Position of publication:** 9

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 57

- 34** Francisco Ramírez; Isabel Afán; Keith Hobson; Marcelo Bertelotti; Guillermo Blanco; Manuela González Forero. Natural and anthropogenic factors affecting the feeding ecology of a top marine predator, the Magellanic penguin. *Ecosphere*. 5:art38, 2014. ISSN 2150-8925

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.595

**Position of publication:** 64

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Ecology

**Journal in the top 25%:** No

**No. of journals in the cat.:** 145

- 35** Andre Chiaradia; Manuela G. Forero; John McInnes; Francisco Ramírez. Searching for the true diet of marine predators: Incorporating Bayesian priors into stable isotope mixing models. *PLoS ONE*. 9 - 3, pp. e92665. 2014. ISSN 1932-6203

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 3.234

**Position of publication:** 9

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 57

- 36** Aida Abdennadher; Francisco Ramírez; Mohamed Salah Romdhane; Lluís Jover; Carolina Sanpera. Using a three-isotope bayesian mixing model to assess the contribution of refuse dumps in the diet of yellow-legged gull *Larus michahellis*. *Ardeola*. 61 - 2, pp. 297 - 309. 2014. ISSN 0570-7358  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 0.571  
**Position of publication:** 17  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - ORNITHOLOGY  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 22
- 37** Isabel Afán; Joan Navarro; Laura Cardador; Francisco Ramírez; Akiko Kato; Beneharo Rodríguez; Yan Ropert-Coudert; Manuela Forero. Foraging movements and habitat niche of two closely-related seabirds breeding in sympatry. *Marine Biology*. DOI 10.1007/s00227-0, 2013. ISSN 0025-3162  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 8  
**Impact source:** ISI  
**Impact index in year of publication:** 2.391  
**Position of publication:** 22  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Marine & Freshwater Biology  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 103
- 38** Francisco Ramírez; Manuel García Tarrasón; Laura Rami; Meritxell Genovart; Lluís Jover; Carola Sanpera. The role of calcium in constraining egg synthesis in the Audouin's Gull *Larus audouinii*. *Canadian Journal of Zoology*. 91 - 9, pp. 640 - 645. 2013. ISSN 0008-4301  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 1.346  
**Position of publication:** 51  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - ZOOLOGY  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 153
- 39** Laura Gangoso; Rocio Marquez-Ferrando; Francisco Ramírez; Ivan Gomez-Mestre; Jordi Figuerola. Understanding phenotypic responses to global change. Report from the Meeting "Global change in the Mediterranean: learning from experiences worldwide" in Seville, Spain. *BioEssays*. 35 - 5, pp. 491 - 495. 2013. ISSN 0265-9247  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 4.927  
**Position of publication:** 11  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Biology  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85
- 40** Francisco Ramírez; Aida Abdennadher; Carola Sanpera; Lluís Jover; Leonard I. Wassenaar; Keith A. Hobson. Assessing waterbird habitat use in coastal evaporative systems using stable isotopes ( $^{13}\text{C}$ ,  $^{15}\text{N}$  and  $^2\text{D}$ ) as environmental tracers. *Estuarine, Coastal and Shelf Science*. 92 - 2, pp. 217 - 222. 2011. ISSN 0272-7714  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Format:** Journal



**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.247

**Position of publication:** 29

- 41** Francisco Ramírez; Raúl Ramos; Josep Lluís Carrasco; Carola Sanpera; Lluís Jover; Xavier Ruiz. Intra-clutch pattern of albumen  $^{13}C$  and  $^{15}N$  in yellow-legged gulls *Larus michahellis*: female dietary shift or resource allocation strategy?. *Journal of Avian Biology*. 42 - 3, pp. 239 - 246. 2011. ISSN 0908-8857

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.28

**Position of publication:** 2

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

**Journal in the top 25%:** No

**No. of journals in the cat.:** 103

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - ORNITHOLOGY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 21

- 42** Aida Abdennadher; Francisco Ramírez; Mohamed S. Romdhane; Xavier Ruiz; Lluís Jover; Carola Sanpera. Little Egret (*Egretta garzetta*) as a bioindicator of trace element pollution in Tunisian aquatic ecosystems. *Environmental Monitoring and Assessment*. 175 - 1, pp. 677 - 684. 2011. ISSN 0167-6369

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 1.4

**Position of publication:** 108

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Environmental Science (miscellaneous)

**Journal in the top 25%:** No

**No. of journals in the cat.:** 203

- 43** Aida Abdennadher; Francisco Ramírez; Mohamed S. Romdhane; Xavier Ruiz; Lluís Jover; Carola Sanpera. Biomonitoring of coastal areas in Tunisia: Stable isotope and trace element analysis in the Yellow-legged Gull. *Marine Pollution Bulletin*. 60 - 3, pp. 440 - 447. 2010. ISSN 0025-326X

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.359

**Position of publication:** 12

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 103

- 44** Raúl Ramos; Marta Cerdà-Cuellar; Francisco Ramírez; Lluís Jover; Xavier Ruiz. The influence of refuse tips exploitation in the prevalence of *Campylobacter* spp. and *Salmonella* serovars in seagulls. *Applied and Environmental Microbiology*. 76 - 9, pp. 3052 - 3056. 2010. ISSN 0099-2240

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 5

**Impact source:** ISI

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No



**Impact index in year of publication:** 3.952**Position of publication:** 30**Category:** Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 165

- 45** Francisco Ramírez; Lluís Jover; Carola Sanpera; Xavier Ruiz; Esther Piqué; Raimon Guitart. Combined measurements of egg fatty acids and stable isotopes as indicators of feeding ecology in Lake-dwelling birds. *Freshwater Biology*. 54 - 9, pp. 1832 - 1842. 2009. ISSN 0046-5070

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 2.861**Position of publication:** 8**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 88

- 46** Raül Ramos; Francisco Ramírez; Carola Sanpera; Lluís Jover; Xavier Ruiz. Diet of Yellow-legged Gull (*Larus michahellis*) chicks along the Spanish Western Mediterranean coast: the relevance of refuse dumps. *Journal of Ornithology*. 150 - 1, pp. 265 - 272. 2009. ISSN 0021-8375

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1.476**Position of publication:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - ORNITHOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 18

- 47** Raül Ramos; Francisco Ramírez; Carola Sanpera; Lluís Jover; Xavier Ruiz. Feeding ecology of yellow-legged gulls *Larus michahellis* in the Western Mediterranean: A comparative assessment using conventional and isotopic methods. *Marine Ecology – Progress Series*. 377, pp. 289 - 297. 2009. ISSN 0171-8630

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 2.519**Position of publication:** 8**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Oceanography**Journal in the top 25%:** Yes**No. of journals in the cat.:** 55

- 48** Xavier Meyer; Andrew J.J. MacIntosh; Andre Chiaradia; Akiko Kato; Francisco Ramírez; Cédric Sueur; Yan Ropert-Coudert. Oceanic thermal structure mediates dive sequences in a foraging seabird. *Ecology and Evolution*. 10 - 13, pp. 6610 - 6622. 2020. ISSN 0021-8790

**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 2.392**Position of publication:** 71**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Ecology**Journal in the top 25%:** No**No. of journals in the cat.:** 168





**Relevant results:** I am the only Spanish contributor to this work aimed at investigating how environmental conditions affect the foraging performance of little penguins

**Relevant publication:** No

- 49** Francisco Ramírez; Isabel Afán; Willem Bouten; Josep L. Carrasco; Manuela G. Forero; Joan Navarro. Humans shape the year-round distribution and habitat use of an opportunistic scavenger. *Ecology and Evolution*. 10 - 11, pp. 4716 - 4725. 2020. ISSN 0021-8790

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 2.392

**Position of publication:** 71

**Relevant publication:** No

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Ecology

**Journal in the top 25%:** No

**No. of journals in the cat.:** 168

- 50** Johanna Hovinen; Arnaud Tarroux; Francisco Ramírez; Manuela Forero; Sébastien Descamps. Relationships between isotopic ratios, body condition and breeding success in a High Arctic seabird community. *Marine Ecology Progress Series*. 613, pp. 183 - 195. 2019. ISSN 0171-8630

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 2.276

**Position of publication:** 28

**Relevant publication:** No

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Marine & Freshwater Biology

**Journal in the top 25%:** No

**No. of journals in the cat.:** 106

- 51** Francisco Ramírez; Carlos Rodríguez; Javier Seoane; Jordi Figuerola; Javier Bustamante. How will climate change affect endangered Mediterranean waterbirds?. *PLoS ONE*. 13 - 2, pp. e0192702. 2018. ISSN 1932-6203

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 2.766

**Position of publication:** 15

**Relevant results:** We have identified the main environmental drivers structuring the entire waterbird community (> 60 species) inhabiting the South-Western Iberian Peninsula (including the Doñana National Park). Based on this information we have predicted species-specific changes in habitat suitability according to different scenarios of climate change

**Relevant publication:** No

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Multidisciplinary Sciences

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 64

- 52** Francisco Ramírez; Carlos Gutiérrez-Expósito; Isabel Afán; Joan Giménez; Renaud de Stephanis; Manuela G. Forero. Human influence on gull non-breeding distribution: potential consequences of changes in fishing practices. *Marine Ecology Progress Series*. 527, pp. 221 - 232. 2015. ISSN 0171-8630

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - OCEANOGRAPHY



**Impact index in year of publication:** 2.361  
**Position of publication:** 15

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 61

**Relevant results:** We are among the first in demonstrating the role of certain human activities (e.g., fisheries) as drivers of the non-breeding distribution of two seabird species with contrasting conservation status: the overabundant Yellow-legged gull and the near-threatened Audouin's gull. These results may have important implications for the management and conservation of these species

**Relevant publication:** No

- 53** Carlos Gutiérrez-Expósito; Francisco Ramírez; Isabel Afán; Manuela G. Forero; Keith A. Hobson. Toward a Deuterium Feather Isoscape for Sub-Saharan Africa: Progress, Challenges and the Path Ahead. PLoS ONE. 10 - 9, pp. e0135938. 2015. ISSN 1932-6203

**Type of production:** Scientific paper  
**Position of signature:** 2

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

**Total no. authors:** 5

**Impact source:** ISI

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 63

**Impact index in year of publication:** 3.057

**Position of publication:** 11

**Relevant results:** This work suppose and important advance on the use of isotopic approaches for migratory assessments

**Relevant publication:** No

- 54** Raül Ramos; Francisco Ramírez; Lluís Jover. Trophodynamics of inorganic pollutants in a wide-range feeder, the Yellow-legged gull (*Larus michahellis*): an isotopic approach for environmental health biomonitoring. Environmental Pollution. 172, pp. 235 - 242. 2013. ISSN 0269-7491

**Type of production:** Scientific paper  
**Position of signature:** 2

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Environmental Science (miscellaneous)

**Total no. authors:** 3

**Impact source:** ISI

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 216

**Impact index in year of publication:** 3.902

**Position of publication:** 22

**Relevant results:** In this work we evaluated the mechanistic processes underlying the exposure of seabirds to certain pollutants through trophic interactions. These results may have important implications in order to investigate how these pollutants behave while energy passes throughout trophic webs

**Relevant publication:** No

- 55** Francisco Ramírez; Joan Navarro; Isabel Afán; Antonio Delgado; Keith A. Hobson; Manuela González Forero. Adapting to a Changing World: Unraveling the Role of Man-made Habitats as Alternative Feeding Areas for Slender-billed Gull (*Chroicocephalus genei*). PLoS ONE. 7 - 10, pp. e47551. 2012. ISSN 1932-6203

**Type of production:** Scientific paper  
**Position of signature:** 1

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

**Total no. authors:** 6

**Impact source:** ISI

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 56

**Impact index in year of publication:** 3.73

**Position of publication:** 7

**Relevant results:** We developed a multidisciplinary approach based on the use of long-time series of environmental and biological records to investigate the adaptation of wildlife to human caused variations in environmental conditions

**Relevant publication:** No

- 56** Raül Ramos; Francisco Ramírez; Josep Lluís Carrasco; Lluís Jover. Insights into the spatiotemporal component of feeding ecology: an isotopic approach for conservation management sciences. *Diversity and Distributions*. 17 - 2, pp. 338 - 349. 2011. ISSN 1366-9516

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 4

**Impact source:** ISI

**Impact index in year of publication:** 4.83

**Position of publication:** 3

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No

**Category:** Science Edition - BIODIVERSITY CONSERVATION

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 37

**Relevant results:** We provided the first evidence on intra-annual patterns in food provisioning by a generalistic species based on the isotopic composition of inert tissues such as feathers

**Relevant publication:** No

- 57** P. Agnew; B. Cannell; N. Carlile; G. Carroll; A. Chiaradia; D. Colombelli-Négrel; P. Copley; P. Dann; P. Garcia Borboroglu; S. Grosser; R. Holmberg; D. Houston; L. O'Neill; F. Ramírez; D. Sutherland; A. Tennyson; S. Waugh; K. Wilson; E. Woehler. Update on little penguin IUCN Red List Assessment. *The IUCN Red List of Threatened Species 2018*. <http://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T22697805A132603951.en>, 2017.

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

**Position of signature:** 14

**Total no. authors:** 19

**Relevant results:** I am the only Spanish scientist contributing to the last assessment of the conservation status for the Little penguin (*Eudyptula minor*) by BirdLife International and the IUCN. Note that the authors have been sorted in an alphabetical order (and not by contribution). I was the main responsible for analysing the main environmental features threatening this species

**Relevant publication:** Yes

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

**Degree of contribution:** Author or co-author of scientific or technical document for the general public

**Corresponding author:** No

- 58** Yolanda Aranda; Isabel Afán; Manuela Forero; Joan Navarro; Ramírez Francisco; Manuela González Forero. Monitoring of shearwaters in the Chafarinas Natural Park (in Spanish). *Scientific Report*. Organismo Nacional de Parques, 2017.

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

**Position of signature:** 5

**Total no. authors:** 5

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

**Degree of contribution:** Author or co-author of scientific or technical document for the general public

**Corresponding author:** No

- 59** Isabel Afán; Joan Navarro; Ramírez Francisco; Manuela González Forero. Monitoring of seabirds in Chafarinas Natural Park (in Spanish). *Scientific Report*. Organismo Nacional de Parques, 2014.

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

**Position of signature:** 4

**Corresponding author:** No

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

- 60** Jose Luis Tella; Fernando Hiraldo; Francisco Ramírez; Severine Roques; Hector Garrido; Manuel de la Riva Forero; Erica Pacífico; Isabel Afán; Ricardo Alvarez; Irene Pérez; Martina Carrete; Irene Pérez Ibarra; Joaquín Salas; Jesús de la Rosa; Silvana Huici; Madeleine Tolosa; Germain Alexander Parada; Abraham Rojas. Buscando soluciones al conflicto entre el desarrollo de las comunidades y la conservación de los loros



endémicos y amenazados en los Valles Interandinos de Bolivia. Un caso complejo de desarrollo sostenible y conservación. Scientific Report. Organismo Nacional de Parques, 2013.

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

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

**Position of signature:** 3

**Degree of contribution:** Author or co-author of reserved scientific or technical document

- 61** Isabel Afán; Joan Navarro; Cardador Laura; Ramírez Francisco; Beneharo Rodríguez; Manuela González Forero. Monitoring of seabirds in Chafarinas Natural Park (in Spanish). Scientific Report. Organismo Nacional de Parques, 2011.

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

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

**Position of signature:** 4

- 62** Francisco Ramírez; Aida Abdennadher; Lluís Jover; Carola Sanpera; Mohamed Romdhane; Xavier Ruiz. Interactions between breeding colonies of Little egrets and Yellow-legged gulls on the Islet of Chikly, Conservation implications (in Spanish). Scientific report. Results of the project A/2907/05. Azahar program. Secretaria de Estado de Cooperación Internacional. Agencia Española de Cooperación Internacional, 2006.

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

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

- 63** Francisco Ramírez; Aida Abdennadher; Lluís Jover; Carola Sanpera; Mohamed Romdhane; Xavier Ruiz. Interactions between breeding colonies of Little egrets and Yellow-legged gulls on the Islet of Chikly, Conservation implications (in Spanish). Scientific report. Results of the project 32/04/P/E. Azahar program. Secretaria de Estado de Cooperación Internacional. Agencia Española de Cooperación Internacional, 2005.

**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:** Identification of nutrient pollution sources in the Doñana wetlands (Southwestern Spain) using stable isotopes  
**Name of the conference:** SEFS10 Symposium of European Freshwater Sciences  
**City of event:** Olomouc, Czech Republic  
**Date of event:** 2017  
**Organising entity:** Freshwater Biologica Association  
Irene Paredes; Manuela Forero; Francisco Ramírez; Miguel Ángel Bravo; Sarai López; Andrew Green.
- 2** **Title of the work:** Biodiversity hotspots of penguins: adaptive framework for conservation  
**Name of the conference:** International Penguin Congress 9 (IPC9)  
**City of event:** Cape Town, South African Republic  
**Date of event:** 2016  
**End date:** 2016  
**Organising entity:** International Penguin Society  
Francisco Ramírez; Isabel Afán; Andre Chiaradia.
- 3** **Title of the work:** From the pool to the sea: applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*)  
**Name of the conference:** The 29th European Cetacean Society Conference  
**City of event:** Malta, Malta  
**Date of event:** 2015  
**Organising entity:** European Cetacean Society  
Joan Giménez; Francisco Ramírez; Javier Almunia; Manuela G. Forero; Renaud de Stephanis.



- 4** **Title of the work:** Piecing together the water quality deterioration in the Doñana Marsh (southwestern Spain) over the past 20 years  
**Name of the conference:** Aquatic Biodiversity & Ecosystems  
**City of event:** Liverpool,, United Kingdom  
**Date of event:** 2015  
**Organising entity:** DEVOTES  
Irene Paredes; Francisco Ramírez; Manuela Forero; José Luís Espinar; Andrew Green.
- 5** **Title of the work:** A novel spatio-temporal scale to integrate oceanographic variables into the environment of marine consumers  
**Name of the conference:** The 5th Bio-logging Science Symposium  
**City of event:** Strasbourg, France  
**Date of event:** 2014  
**Organising entity:** Institut Pluridisciplinaire Hubert Curien (IPHC) from the Centre National de la Recherche Scientifique (CNRS)  
Isabel Afán; André Chiaradia; Manuela G. Forero; Peter Dann; Francisco Ramírez.
- 6** **Title of the work:** Experimental isotopic diet composition using qualified DNA priors in mixing models: Searching for the real diet  
**Name of the conference:** 9th International Conference on Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol)  
**City of event:** Perth, Australia  
**Date of event:** 2014  
**Organising entity:** The University of Western Australia  
André Chiaradia; Manuela G. Forero; John McInnes; Francisco Ramírez.
- 7** **Title of the work:** A new spatio-temporal scale to integrate oceanographic variables into marine animals  
**Name of the conference:** Adapting to global-change in the Mediterranean hotspot  
**City of event:** Seville, Spain  
**Date of event:** 2013  
**Organising entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
Isabel Afán; Francisco Ramírez; Manuela G. Forero; Peter Dann; André Chiaradia.
- 8** **Title of the work:** Habitat niche of two closely-related seabirds breeding in sympatry  
**Name of the conference:** Adapting to global-change in the Mediterranean hotspot  
**City of event:** Seville, Spain  
**Date of event:** 2013  
**Organising entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
Isabel Afán; Joan Navarro; Laura Cardador; Francisco Ramírez; Akiko Kato; Beneharo Rodríguez; Yan Ropert-Coudert; Manuela G. Forero.
- 9** **Title of the work:** Adapting to a Changing World: Unraveling the Role of Man-made Habitats as Alternative Feeding Areas for Slender-billed Gull (*Chroicocephalus genei*)  
**Name of the conference:** Global Change in the Mediterranean: learning from experiences worldwide  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 2012  
**Organising entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City organizing entity:** Sevilla, Andalusia, Spain  
Francisco Ramírez; Joan Navarro; Isabel Afán; Keith A. Hobson; Antonio Delgado; Manuela González Forero.





- 10 Title of the work:** ISOSCAPE of the wetland at the Natural Area of Doñana: Long term monitoring of water dynamic  
**Name of the conference:** Global Change in the Mediterranean: learning from experiences worldwide  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 2012  
**Organising entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City organizing entity:** Sevilla, Andalusia, Spain  
Manuela González Forero; Francisco Ramírez; Miguel Ángel Bravo; Miguel Carro; Ricardo Álvarez.
- 11 Title of the work:** Three keratin lab standards for daily laboratory use in isotopic studies  
**Name of the conference:** Global Change in the Mediterranean: learning from experiences worldwide  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 2012  
**Organising entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City organizing entity:** Sevilla, Andalusia, Spain  
Ricardo Álvarez; Francisco Ramírez; Manuela González Forero.
- 12 Title of the work:** A new framework for exploring isotopic niche space: Tracing sources of nutrients to eggs in a Mediterranean waterbird community  
**Name of the conference:** VII International Conference on Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol)  
**City of event:** Fairbanks, United States of America  
**Date of event:** 2010  
**Organising entity:** Fairbanks University  
Francisco Ramírez; Aida Abdennadher; Carola Sanpera; Lluís Jover; Keith A. Hobson; Leonard I. Wassenaar.
- 13 Title of the work:** Distinguishability, isotopic variance and niche width  
**Name of the conference:** VII International Conference on Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol)  
**City of event:** Fairbanks, United States of America  
**Date of event:** 2010  
**Organising entity:** Fairbanks University  
Josep Lluís Carrasco; Carola Sanpera; Manolo García-Tarrasón; Francisco Ramírez; Konstantina Skaltsa; Lluís Jover.
- 14 Title of the work:** Application of biomarkers to assess the feeding use of rice fields by waterbirds  
**Name of the conference:** XXXI Annual Meeting of the Waterbird Society  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2007  
**Organising entity:** Universitat de Barcelona      **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
Francisco Ramírez; Xavier Ruiz; Lluís Jover; Carola Sanpera; Javier Cotín.
- 15 Title of the work:** Biomonitoring Hg, Pb and Se levels in coastal Tunisia: Yellow-legged gulls from Chikly Islet (Tunis) and Thyna salt ponds (Sfax)  
**Name of the conference:** XXXI Annual Meeting of the Waterbird Society  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2007  
**Organising entity:** Universitat de Barcelona      **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
Aida Abdennadher; Francisco Ramírez; Carola Sanpera; Lluís Jover; Mohamed S. Romdhane; Xavier Ruiz.





- 16** **Title of the work:** Isotopic scenarios and mixing models: the case of the Slender-billed gulls at Thyna salines (Tunisia)  
**Name of the conference:** XXXI Annual Meeting of the Waterbird Society  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2007  
**Organising entity:** Universitat de Barcelona **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
Francisco Ramírez; Aida Abdennadher; Mohamed S. Romdhane; Carola Sanpera; Lluís Jover; Xavier Ruiz.
- 17** **Title of the work:** Prevalence of Campylobacter and Salmonella in Yellow-legged gull nestlings in relation to their feeding ecology and nutritional condition  
**Name of the conference:** XXXI Annual Meeting of the Waterbird Society  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2007  
**Organising entity:** Universitat de Barcelona **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
Raül Ramos; Marta Cerdà-Cuéllar; Francisco Ramírez; Lluís Jover; Carola Sanpera; Xavier Ruiz.
- 18** **Title of the work:** Using yolk FA profiles to assess dietary differences between two colonies of yellow-legged gull (*Larus michahellis*)  
**Name of the conference:** XXXI Annual Meeting of the Waterbird Society  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2007  
**Organising entity:** Universitat de Barcelona **Type of entity:** University  
**City organizing entity:** Barcelona, Catalonia, Spain  
Francisco Ramírez; Raül Ramos; Carola Sanpera; Lluís Jover; Rafael Mateos; Xavier Ruiz.
- 19** **Title of the work:** Ecología trófica de la gaviota patiamarilla (*Larus michahellis*) en el islote de Chikly, Túnez  
**Name of the conference:** XVIII Congreso Español y III Ibérico de Ornitología  
**City of event:** Elche, Valencian Community, Spain  
**Date of event:** 2006  
**Organising entity:** Sociedad Española de Ornitología **Type of entity:** Associations and Groups  
Francisco Ramírez; Aida Abdennadher; Carola Sanpera; Lluís Jover; Mohamed S. Romdhane; Xavier Ruiz.
- 20** **Title of the work:** Egg fatty acids as indicators of feeding ecology in waterbirds: little cormorant and pheasant-tailed jacanas from Haleji Lake (Pakistan)  
**Name of the conference:** IV North American Ornithological Conference  
**City of event:** Veracruz, Mexico  
**Date of event:** 2006  
**Organising entity:** American Ornithologists' Union  
Francisco Ramírez; Lluís Jover; Carola Sanpera; Raimon Guitart; Xavier Ruiz.
- 21** **Title of the work:** El uso de los isótopos estables para determinar la ecología trófica de una especie problemática: la gaviota patiamarilla (*Larus michahellis*)  
**Name of the conference:** XVIII Congreso Español y III Ibérico de Ornitología  
**City of event:** Elche, Valencian Community, Spain  
**Date of event:** 2006  
**Organising entity:** Sociedad Española de Ornitología **Type of entity:** Associations and Groups



Raül Ramos; Francisco Ramírez; Carola Sanpera; Lluís Jover; Xavier Ruiz.

- 22** **Title of the work:** Intra-clutch pattern in stable isotopes of albumen: resource allocation in yellow-legged gulls (*Larus michahellis*)  
**Name of the conference:** IV North American Ornithological Conference  
**City of event:** Veracruz, Mexico  
**Date of event:** 2006  
**Organising entity:** American Ornithologists' Union  
Xavier Ruiz; Lluís Jover; Francisco Ramírez; Raül Ramos.

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Scientific collaborator for EVALUA  
**Affiliation entity:** Agencia Estatal de Investigación (<http://www.aei.gob.es>)  
**Start date:** 2018
- 2** **Committee title:** Comisión de seguimiento de Tesis de Erica Cristina Pacífico de Assis "Ecological, demographic and genetic constraints on the conservation of the globally endangered Lear's Macaw". Supervisor: José Luis Tella Escobedo"  
**Affiliation entity:** Universidad Pablo de Olavide      **Type of entity:** University  
**Start date:** 2015
- 3** **Committee title:** Comisión de seguimiento de Tesis de Fernanda Pereira de Felipe "Segregación sexual en las estrategias migratorias y de alimentación de las aves marinas" Supervisor: Jacob González-Solís  
**Affiliation entity:** Universitat de Barcelona      **Type of entity:** University  
**Start date:** 2014

### Organization of R&D activities

- 1** **Title of the activity:** 3rd STABLE ISOTOPE COURSE IN ECOLOGY AND ENVIRONMENTAL SCIENCES  
**Type of activity:** Course / Workshop  
**Convening entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City convening entity:** Seville, Spain  
**Start date:** 2018
- 2** **Title of the activity:** 2nd STABLE ISOTOPE COURSE IN ECOLOGY AND ENVIRONMENTAL SCIENCES  
**Type of activity:** Course / Workshop  
**Convening entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City convening entity:** Seville, Spain  
**Start date:** 2015
- 3** **Title of the activity:** 1st STABLE ISOTOPE COURSE IN ECOLOGY AND ENVIRONMENTAL SCIENCES  
**Type of activity:** Course / Workshop  
**Convening entity:** Estación Biológica de Doñana      **Type of entity:** State agency  
**City convening entity:** Seville, Spain  
**Start date:** 2014



- 4** **Title of the activity:** Adapting to Global Change in the Mediterranean  
**Type of activity:** Congress **Geographical area:** European Union  
**Convening entity:** Estación Biológica de Doñana **Type of entity:** State agency  
**City convening entity:** Seville, Andalusia, Spain  
**Start date:** 2013
- 5** **Title of the activity:** What next? Environmental Challenges in a Changing World  
**Type of activity:** Exhibition **Geographical area:** European Union  
**Convening entity:** Estación Biológica de Doñana **Type of entity:** State agency  
**City convening entity:** Seville, Andalusia, Spain  
**Start date:** 2013
- 6** **Title of the activity:** Global change in the Mediterranean: learning from experiences worldwide  
**Type of activity:** Symposium **Geographical area:** Non EU International  
**Convening entity:** Estación Biológica de Doñana **Type of entity:** State agency  
**City convening entity:** Sevilla, Andalusia, Spain  
**Start date:** 2012
- 7** **Title of the activity:** XXXI Annual Meeting of the Waterbird Society  
**Type of activity:** Congreso Científico Internacional **Geographical area:** Non EU International  
**Convening entity:** Universitat de Barcelona **Type of entity:** University  
**City convening entity:** Barcelona, Catalonia, Spain  
**Start date:** 2007

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

- 1** **Name of the activity:** EVALUA  
**Performed tasks:** Peer Review  
**Entity where activity was carried out:** Agencia Estatal de Investigación **Type of entity:** State agency  
**Type of activity:** Review of projects  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2018
- 2** **Performed tasks:** Peer Review  
**Entity where activity was carried out:** Progress in Oceanography  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2017
- 3** **Performed tasks:** Peer Review  
**Entity where activity was carried out:** Estuarine, Coastal and Shelf Science  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2014
- 4** **Performed tasks:** Peer Review  
**Entity where activity was carried out:** Hydrobiologia  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition



**Start date:** 2014

**5 Performed tasks:** Peer Review

**Entity where activity was carried out:** Marine Biology

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2014

**6 Performed tasks:** Peer Review

**Entity where activity was carried out:** Ibis

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2013

**7 Performed tasks:** Peer Review

**Entity where activity was carried out:** Marine and Freshwater Research

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2013

**8 Performed tasks:** Peer Review

**Entity where activity was carried out:** PlosONE

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2013

**9 Performed tasks:** Peer Review

**Entity where activity was carried out:** Rapid Communication in Mass Spectrometry

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2013

**10 Performed tasks:** Peer Review

**Entity where activity was carried out:** Environmental Monitoring and Assessment

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2012

**11 Performed tasks:** Peer Review

**Entity where activity was carried out:** Journal of Helmentology

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2012

**12 Performed tasks:** Peer Review

**Entity where activity was carried out:** Journal of Ornithology

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

**Access system:** Designated by the corresponding party without competition

**Start date:** 2012



- 13 Performed tasks:** Peer Review  
**Entity where activity was carried out:** Auk  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2011
- 14 Performed tasks:** Peer Review  
**Entity where activity was carried out:** Diversity and Distribution  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2011
- 15 Performed tasks:** Peer Review  
**Entity where activity was carried out:** Journal of Experimental Marine Biology and Ecology  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2011
- 16 Performed tasks:** Peer Review  
**Entity where activity was carried out:** Marine Ecology - Progress Series  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2011
- 17 Performed tasks:** Reviewer of scientific projects  
**Entity where activity was carried out:** French Polar Research  
**Type of activity:** Review of articles in scientific or technological journals  
**Access system:** Designated by the corresponding party without competition  
**Start date:** 2011

## Other achievements

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

- 1 Entity:** Phillip Island Nature Parks  
**City of entity:** Cowes, Australia  
**Start date:** 2016  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Responses to a sea of changes: Oceanographic drivers of little penguin performance  
**Type of entity:** Foundation  
**Duration:** 6 months
- 2 Entity:** Environment Canada  
**Faculty, institute or centre:** National Hydrology Research Centre  
**City of entity:** Saskatoon, Canada  
**Start date:** 2008  
**Goals of the stay:** Doctorate  
**Provable tasks:** Aplicación de isótopos estables a estudios de ecología trófica  
**Duration:** 3 months



- 3** **Entity:** Institut National Agronomic de Tunis  
**City of entity:** Túnez, Tunisia  
**Start date:** 2007 **Duration:** 1 month  
**Goals of the stay:** Doctorate  
**Provable tasks:** trabajo de campo dentro del proyecto: Conservación de la Garcera de Santiago de Chikly (Túnez) en el Marco del Programa Azahar: Biomarcadores y contaminantes como potenciadores de su interés ecoturístico y medioambiental. Programa Nacional de Promoción General del Conocimiento. CGL2004-02238
- 4** **Entity:** Institut National Agronomic de Tunis  
**City of entity:** Túnez, Tunisia  
**Start date:** 2006 **Duration:** 1 month  
**Goals of the stay:** Doctorate  
**Provable tasks:** trabajo de campo dentro del proyecto: Conservación de la Garcera de Santiago de Chikly (Túnez) en el Marco del Programa Azahar: Biomarcadores y contaminantes como potenciadores de su interés ecoturístico y medioambiental. Programa Nacional de Promoción General del Conocimiento. CGL2004-02238
- 5** **Entity:** Institut National Agronomic de Tunis  
**City of entity:** Túnez, Tunisia  
**Start date:** 2005 **Duration:** 1 month  
**Goals of the stay:** Doctorate  
**Provable tasks:** trabajo de campo dentro del proyecto: Conservación de la Garcera de Santiago de Chikly (Túnez) en el Marco del Programa Azahar: Biomarcadores y contaminantes como potenciadores de su interés ecoturístico y medioambiental. Programa Nacional de Promoción General del Conocimiento. CGL2004-02238

## Obtained grants and scholarships

- 1** **Name of the grant:** Post-doctoral contract Juan de la Cierva-Incorporación (IJCI-2015-24531)  
**Aims:** Post-doctoral  
**Awarding entity:** Ministerio de Economía y Competitividad **Type of entity:** State agency  
**Conferral date:** 2017 **Duration:** 2 years  
**End date:** 2019  
**Entity where activity was carried out:** Universitat de Barcelona  
**Faculty, institute or centre:** Facultat de Biología
- 2** **Name of the grant:** Fellowship to finish the PhD-period  
**Aims:** Pre-doctoral  
**Awarding entity:** Universitat de Barcelona **Type of entity:** University  
**Conferral date:** 2009  
**Entity where activity was carried out:** Universitat de Barcelona  
**Faculty, institute or centre:** Facultat de Biología
- 3** **Name of the grant:** Research short stay  
**Aims:** Pre-doctoral  
**Awarding entity:** Ministerio de Ciencia e Innovación. **Type of entity:** Public Investigación  
**Conferral date:** 2008  
**Entity where activity was carried out:** Environment Canada





- 4** **Name of the grant:** Predoctoral fellowship "Becas de posgrado para la Formación de Profesorado Universitario"  
**Aims:** Pre-doctoral  
**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA  
**Conferral date:** 2005 **Duration:** 4 years  
**Entity where activity was carried out:** Universitat de Barcelona