



Andrés Alonso Ospina Alvarez

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Summary of CV

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

I am a marine ecologist specialized in ecological models (17 years of experience since the degree, 6 years of experience since the PhD). My scientific interests include fisheries biology and ecology, the study of transport, dispersal and recruitment of early-age stages of marine species; the modelling and projection of species' habitat; the integrated management of ecosystems and marine spatial planning promoting the connectivity between populations and the seafood traceability and verification.

Since the start of my Ph.D. (2008), I have been very active in the research field of coupling individual-based and 3D-hydrodynamic models. In my thesis dissertation I explored the transport of pelagic fish larvae (e.g., anchovies and sardines) by marine currents with the aim to identify spawning and recruitment areas that are consistent over time in the NW Mediterranean. From 2013 to 2015, during my first postdoctoral stage in Chile, my research was extended to benthic invertebrates and rock fish. From 2015 to 2017, I managed and led as principal investigator a competitive project funded by a Chilean state agency. Results of these two stages allow to understand the processes that govern the larval dispersal and population dynamics of species of high economic interest and to implement management solutions for spatial planning and conservation.

Currently, I am a H2020 Marie S. Curie fellow working at IMEDEA (CSIC-UIB) and leading the project "Dolphinfish living in a warming ocean: How global climate change is reshaping the distribution, physiology and behaviour of marine migratory species and their associated fisheries".

My peers consider me an international young leader in spatial ecology and transport, dispersion and behaviour of fish and invertebrate larvae, which is well evidenced by my past and current consultant activities with NGOs, such as WWF-Mediterranean program, and private research institutes, such as INPESCA (Chile).

My leadership skills are proved by my experience as: 1) school teacher (2 years) before my Ph.D.; 2) as supervisor of 2 master students from U. of Barcelona, during my Ph.D.; and, during my Chilean Postdoc, 3) as supervisor of one Ph.D. student from U. of Barcelona and one undergraduate student in practices from the PUC (Chile). My teaching experience is proven by courses oriented to undergraduate students and post-doc researchers, as for example the course entitled: "Introduction to Graph Theory and Complex Network Analysis" which I organised and taught in 2019 at Campus do Mar (Vigo), with 20 students in attendance and 30 students via streaming. I also had the opportunity to work with research topics in the framework of marine ecology and conservation through different scientific collaborations: seabird reproductive ecology, use of internal and pop-off satellite tags to study wide movements and migration dynamics in Bluefin tuna, satellite products for oceanography, trophic networks of marine organisms, marine spatial planning and Marine Protected areas network design principles. I strongly believe in applied science, and increasing communication between science and policy makers, such that the best available science is incorporated into marine resources management and policy at local, regional, national and international levels. Also, I have ventured into the field of popular science documentaries as producer and director of the short film entitled: "Larvae: the ocean travellers".

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.

1. **JCR articles:** 21 Scopus; 20 WOS
2. **No. of Q1 research papers:** 18 Scopus; 15 ISI
3. **No. of articles with more 20 cites:** 6 Scopus; 6 WOS
4. **H-index:** 11 Google Scholar; 9 Scopus; 9 WOS
5. **First author articles:** 9 Scopus; 8 WOS
6. **Citations:** 282 Scopus; 263 WOS
7. **Citing articles:** 231 Scopus; 219 WOS
8. **Four most outstanding journals in which I have published:** Fish and Fisheries; Progress in Oceanography; Science of the total environment, Global and Planetary Change
9. **Works submitted to national or international conferences:** 35 (31 oral presentations / 4 posters)
10. **Projects as PI or CoPI = 4** (2 of them from the European Union)
11. **Projects in which I participated = 14**
12. **Total income generated from competitive grants:** 338,439.75 €
13. **Ph.D. Thesis supervised:** 1 (Marta Blanco - U. Barcelona - 2019)
14. **Master Thesis supervised:** 2 (U. Barcelona)
15. **Member of thesis evaluation committee:** 1 (Alba Medrano - U. Barcelona - 2020)
16. **Outreach articles published:** 4 (2 in outreach blogs/web pages; 2 in newspapers)
17. **Short outreach documentaries:** 5 produced and directed, including the short entitled "Larvas las viajeras del Oceano" (7 min. 30 sec.) with + 1200 reproductions in Vimeo <https://vimeo.com/aospina/larvas>
18. **Outstanding scientific dissemination actions:** 1) Collaboration with the subway of Valparaiso (Chile) to create giant infographics that decorated the interior of the stations and disseminated information on the importance of larval connectivity to maintain healthy stocks of commercial benthic species. 2) "Trazando el mar" - Collaboration with urban artists to create graffiti and murals in different locations of the Valparaiso Region (Chile) to inform and promote marine conservation.
19. **Mentions by newspapers:** 16 (Ara Balears, Spain, May 2018; Diario Concepción, Chile, 2017; 4 newspapers of Valparaiso Region (Chile) mentioning "Trazando el Mar" project (2015); 10 newspapers of Valparaiso (Chile) mentioning "Chile es Mar invade el metro", 2014; El País, Colombia, "Aves marinas del Parque Natural Isla Gorgona", 2008)
20. **Stays in international research centres:** 6 centres / 65 months

**Andrés Alonso Ospina Alvarez**

Surname(s): **Ospina Alvarez**
 Name: **Andrés Alonso**
 ORCID: **0000-0003-2454-7169**
 ScopusID: **26664907700**
 ResearcherID: **M-2556-2014**
 Contact aut. region/reg.: **Balearic Islands**
 Personal web page: **<https://andresosp.wordpress.com>**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Department: Marine Ecology, Instituto Mediterráneo d Estudios Avanzados
Professional category: Post-doctoral Researcher - H2020-MSCA Marie Curie fellow
City employing entity: Madrid, Community of Madrid, Spain

Start date: 01/01/2018

Type of contract: Temporary employment contract
Dedication regime: Full time

Primary (UNESCO code): 240102 - Animal behaviour; 240106 - Animal ecology; 250200 - Climatology; 251091 - Oceanography: Renewable Resources; 310500 - Fish and wildlife

Secondary (UNESCO code): 240123 - Vertebrates; 250207 - Regional climatology; 531201 - Agricultura, forestry, fishing

Tertiary (UNESCO code): 250202 - Applied climatology; 510208 - Fishing

Performed tasks: Principal Investigator of Co-tRiP "Dolphinfish living in a warming ocean: How global climate change is reshaping the distribution, physiology and behaviour of marine migratory species and their associated fisheries." Project ID: 746361 Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Identify key words: Fishing grounds; Fisherman; Environment, fisheries and aquaculture interactions; Climate change

Field of management activity: Public Research Body

Previous positions and activities

	Employing entity	Professional category	Start date
1	Pontificia Universidad Católica de Chile, via fellowship from National Fund for Scientific & Technological Development (FONDECYT)	PostDoctoral Researcher	01/11/2014
2	World Wildlife Fund WWF	Scientific and technical advisor	01/07/2012
3	Pontificia Universidad Católica de Chile, via funds from Millenium Nucleus - Center for Marine Conservation	PostDoctoral Researcher	01/07/2013
4	Instituto de Ciencias del Mar	PhD Researcher	01/01/2008



	Employing entity	Professional category	Start date
5	Colegio San Carlos (Bogotá – Colombia)	High School Teacher	01/04/2004

- 1** **Employing entity:** Pontificia Universidad Católica de Chile, via fellowship from National Fund for Scientific & Technological Development (FONDECYT)
Department: Ecología, Facultad de Ciencias Biológicas
City employing entity: Santiago, Chile
Professional category: PostDoctoral Researcher **Educational Management (Yes/No):** Yes
Phone: (56) 35 2431 720 **Email:** contacto@conservacionmarinauc.cl
Start-End date: 01/11/2014 - 31/10/2017 **Duration:** 3 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Primary (UNESCO code): 240106 - Animal ecology; 240401 - Biostatistics; 251010 - Shore and near-shore processes; 251091 - Oceanography: Renewable Resources; 310510 - Population dynamics; 310512 - Wild life conservation and management
Secondary (UNESCO code): 240119 - Marine zoology; 240123 - Vertebrates; 240191 - Invertebrates not Insects; 251001 - Biological oceanography
Tertiary (UNESCO code): 250206 - Physical climatology; 250501 - Biogeography
Performed tasks: “Connecting places in the coastal ocean: origin and fate of propagules in the complex system of management, open-access and marine reserves of central Chile” By using coupled particle tracking (IBM) and a 3D hydrodynamic model, larval dispersal and resulting connectivity of benthic invertebrates and rocky fish along the central Chilean coast are studied, in order to: (1) characterise patterns of larval source/sinks and their relationship with the different management conditions along the shore (no-take marine reserve, TURFs, Open Access), (2) determine how these patterns vary according to varying PLDs of the species and larval swimming behavior (DVM's) and 3) determine how general connectivity structure and patterns of larval source/sink will vary with alternative management strategies such as the inclusion of additional small No-take zones, or changes in larval production from TURFs (i.e. through lower mortality or increased size).
Identify key words: Protected area; Fishing port; Crustacean; Sea fish; Mollusc; Fisherman; Traditional fishing; Animal growth; Population biology; Coastal ecosystems; Marine ecosystem management; Biological oceanography; Marine biodiversity; Marine life; Marine environment impact; Animal ecology; Anthropogenic impact on ecosystems; Natural resources management; Climate change; Applied ecology; Conservation of resources; Shore protection
Field of management activity: University
Applicability in teaching and/or research: TRAINING STUDENTS: 1) "Defining and modeling the early life history and reproductive cycle of benthic species, a tool for integrated management". 2013-Current Ph.D. in Biodiversity, University of Barcelona; Barcelona, Spain. Ph.D. Student: Marta Blanco; 2) Scientific Outreach Professional Practice. 2015 Pontificia Universidad Católica de Chile; Santiago, Chile Bachelor Student: Pamela Padilla. Outreach articles produced: 1) Padilla, P. 2015. "Chile's El Pelillo algae in danger of extinction". Published: June 8, 2015. Available online at: <http://latinamericanscience.org/pelillo.html>; 2) Padilla, P.; Ospina-Alvarez, A. 2015. "Financing Marine Protected Areas through visitors fees: A possible solution for biodiversity conservation". Published: July 13, 2015. Available online at <http://latinamericanscience.org/category/chile/>
- 2** **Employing entity:** World Wildlife Fund WWF **Type of entity:** Associations and Groups
Department: Fisheries Program, WWF Mediterraneo
City employing entity: Barcelona, Catalonia, Spain
Professional category: Scientific and technical **Educational Management (Yes/No):** No advisor
Start-End date: 01/07/2012 - 29/02/2016 **Duration:** 3 years - 7 months
Type of contract: Consultor
Dedication regime: Part time



Primary (UNESCO code): 240106 - Animal ecology; 251007 - Physical oceanography; 310500 - Fish and wildlife; 310503 - Fish finding; 310512 - Wild life conservation and management

Secondary (UNESCO code): 240102 - Animal behaviour; 251001 - Biological oceanography; 251005 - Marine zoology

Tertiary (UNESCO code): 531201 - Agricultura, forestry, fishing

Performed tasks: On the Med tuna trail project: Using satellite technology WWF tracks bluefin tuna in the Mediterranean Sea as part of an ongoing project to protect the species. In this project. I compiled the tags data to perform geostatistical analysis to understand the habitat use and the relationship with the environmental conditions. The results are used to generate interactive maps and graphs for scientific dissemination.

Identify key words: Conservation biology; Protected species; Fisheries science; Monitoring and enforcement (fisheries science)

Field of management activity: Investigación Científica

3 Employing entity: Pontificia Universidad Católica de Chile, via funds from Millenium Nucleus - Center for Marine Conservation

Department: Ecología, Estación Costera de Investigaciones Marinas ECIM

City employing entity: Santiago de Chile, Chile

Professional category: PostDoctoral Researcher **Educational Management (Yes/No):** Yes

Phone: (+56) 35 2431 670

Email: contacto@conservacionmarinauc.cl

Start-End date: 01/07/2013 - 31/10/2014

Duration: 1 year - 3 months

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 251007 - Physical oceanography; 251091 - Oceanography: Renewable Resources; 310500 - Fish and wildlife; 310510 - Population dynamics; 310512 - Wild life conservation and management

Secondary (UNESCO code): 240102 - Animal behaviour; 240106 - Animal ecology; 240401 - Biostatistics

Tertiary (UNESCO code): 120915 - Time series; 240191 - Invertebrates not Insects; 251005 - Marine zoology

Performed tasks: Center for Marine Conservation ("Iniciativa Núcleo Milenio"): Determining dispersal paths of eggs and larvae of marine organisms, characterising the physical/ biological mechanisms underlying dispersal; understanding the relevant characteristics of coastal circulation from the near-shore to the outer shelf; looking at the interaction of biological and physical factors influencing larval survival at settlement, examining organisms with different life-history characteristics and synthesising existing information on movements of key species to evaluate the influence of connectivity on the effectiveness of individual MPAs and MPA network design.

Identify key words: Computer aspects; Nature reserve; Conservation of fish stocks; Modelling (environmental risks); Monitoring and enforcement (fisheries science)

Field of management activity: University

Applicability in teaching and/or research: TUTORING PHD STUDENTS: 1) Defining and modeling the early life history and reproductive cycle of benthic species, a tool for integrated management. 2013-Current Ph. D. in Biodiversity, University of Barcelona; Barcelona, Spain Ph. D. Student: Marta Blanco

4 Employing entity: Instituto de Ciencias del Mar **Type of entity:** State agency

Department: Departamento de Recursos Marinos, Instituto de Ciencias del Mar

City employing entity: Barcelona, Catalonia, Spain

Professional category: PhD Researcher

Educational Management (Yes/No): Yes

Start-End date: 01/01/2008 - 31/12/2012

Duration: 5 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Primary (UNESCO code): 240106 - Animal ecology; 241705 - Marine biology; 310500 - Fish and wildlife



Secondary (UNESCO code): 251001 - Biological oceanography; 251007 - Physical oceanography; 310510 - Population dynamics

Tertiary (UNESCO code): 240401 - Biostatistics; 531201 - Agricultura, forestry, fishing

Performed tasks: Undergraduate contract: Working for 5 years (including the Ph.D. period) in the development of Individual based Models (IBM's) coupled with hydrodynamic models to study the transport of ichthyoplankton early stages (european anchovy).

Identify key words: Fishing controls

Field of management activity: University

Applicability in teaching and/or research: TRAINING STUDENTS: 1) "Modelling the abundance of European anchovy eggs (*Engraulis encrasicolus*) in the North-western Mediterranean Sea, based on environmental and spatial effects". 2011 Master in Management and Restoration of the Natural Environment, University of Barcelona, Barcelona, Spain. Master Student: Marcela Tapias Galvez: 2) "Growth variability in anchovy (*Engraulis encrasicolus* L.) larvae in the Gulf of Lions, North-western Mediterranean Sea". 2009 Master in Biodiversity, University of Barcelona, Barcelona, Spain. Master Student: Juan Pablo Beltran

5 **Employing entity:** Colegio San Carlos (Bogotá – Colombia) **Type of entity:** Colegio

Professional category: High School Teacher

Educational Management (Yes/No): Yes

Start-End date: 01/04/2004 - 31/12/2006

Duration: 2 years - 8 months

Type of contract: Permanent employment contract

Field of management activity: Educación Secundaria (Sector Privado)



Education

University education

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

- 1** **University degree:** Master in Science
Name of qualification: Fundamental and Applied Ecology DEA
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
Date of qualification: 26/11/2008
- 2** **University degree:** Higher degree
Name of qualification: Biology
City degree awarding entity: Cali, Colombia
Degree awarding entity: Universidad del Valle **Type of entity:** University
Date of qualification: 27/05/2004
Average mark: Excellent
Prize: Academic Excellence
Standardised degree: Yes
Foreign qualification: Graduate in Biology

Doctorates

Doctorate programme: Marine Science PhD
Degree awarding entity: Universitat de Barcelona **Type of entity:** University
City degree awarding entity: Barcelona, Catalonia, Spain
Date of degree: 10/01/2013
Thesis title: Early Life history dynamics of European anchovy in the Western Mediterranean: an Individual Based Modelling approach.
Thesis director: Isabel Palomera Laforga
Thesis co-director: Ignacio Catalán Alemany
Obtained qualification: Cum Laude
Recognition of quality: Yes
Special doctorate award: Yes

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Catalan	B2	C1	A2	A2	A2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Historia de vida temprana e inversión reproductiva de invertebrados bentónicos: integración al manejo y conservación a través de modelos de dispersión

Type of project: Doctoral thesis

Co-director of thesis: Miriam Fernandez Bergia

Entity: Universitat de Barcelona **Type of entity:** University

Student: Marta Blanco Sanchez

Obtained qualification: APROBADA

Identify key words: Conservation of fish stocks; Zoology; Environmental biology; Sustainable exploitation; Conservation biology

Date of reading: 25/01/2019

European doctorate: 01/02/2019 **Date of recognition:** 25/01/2019

Quality recognition: Yes **Date of award:** 01/02/2019
- 2 Project title:** Marine Protected Areas through visitors fees: A possible solution for biodiversity conservation

Type of project: End of course project

Entity: Pontificia Universidad Católica de Chile

City of entity: Santiago de Chile, Chile

Student: Pamela Padilla

Obtained qualification: 7 (Escala 1-7)

Date of reading: 13/07/2015
- 3 Project title:** Modelling the abundance of European anchovy eggs (*Engraulis encrasicolus*) in the North-western Mediterranean Sea, based on environmental and spatial effects

Type of project: Minor thesis

Co-director of thesis: Isabel Palomera Laforga

Entity: Universitat de Barcelona **Type of entity:** University

Student: Marcela Tapias Galvez

Date of reading: 28/09/2011
- 4 Project title:** Growth variability in anchovy (*Engraulis encrasicolus* L.) larvae in the Gulf of Lions, North-western Mediterranean Sea

Type of project: Minor thesis

Co-director of thesis: Isabel Palomera Laforga

Entity: Universitat de Barcelona **Type of entity:** University

Student: Juan Pablo Beltran

Date of reading: 23/09/2009



Most relevant contributions of your teaching CV

- Description:** Course: Uso de la teoría de grafos en la evaluación de la conectividad larval de poblaciones marinas (+50 participants)
City of activity: Valparaíso, Chile
Organising entity: Instituto de Fomento Pesquero IFOP **Type of entity:** R&D Centre
End date: 18/11/2020
- Description:** Course: Introduction to Graph Theory and Complex Network Analysis (Introducción a la teoría de grafos y análisis de redes) +25 participants.
City of activity: Vigo, Galicia, Spain
Organising entity: Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** Non-gov
End date: 29/09/2019

Scientific and technological experience

Scientific or technological activities

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

- Name of the project:** Dolphinfish living in a warming ocean: How global climate change is reshaping the distribution, physiology and behaviour of marine migratory species and their associated fisheries
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Instituto Mediterráneo d Estudios Avanzados **Type of entity:** State agency
City of entity: Esporles, Balearic Islands, Spain
Name principal investigator (PI, Co-PI...): Andrés Ospina Alvarez; Ignacio Ignacio Alemany
Nº of researchers: 2 **Nª people/year:** 1
Funding entity or bodies: Horizon 2020 - (1.3.2.) Excellent Science - Marie Skłodowska-Curie Actions
Type of participation: Principal investigator
Name of the programme: Marie Skłodowska-Curie Actions MSCA
Code according to the funding entity: H2020-EU.1.3.2.
Start-End date: 01/01/2018 - 12/03/2021 **Duration:** 3 years - 2 months - 12 days
Total amount: 170.121,6 €
Percentage as grant: 100
Dedication regime: Part time
- Name of the project:** CERES Climate change and European aquatic RESources
Type of project: Research and development, including transfer **Geographical area:** European Union
Degree of contribution: Researcher
Type of entity: State agency



Entity where project took place: Instituto Mediterráneo d Estudios Avanzados

City of entity: Esporles, Spain

Name principal investigator (PI, Co-PI....): Myron Peck; Ignacio Catalan Alemany

Nº of researchers: 50

Funding entity or bodies:

European Commission

Type of entity: Horizon2020 FP, Blue Growth II

City funding entity: Brussels, Belgium

Type of participation: Team member

Start-End date: 01/03/2016 - 01/03/2020

Duration: 4 years

Total amount: 5.600.000 €

Dedication regime: Part time

3 Name of the project: Marine Conservation in Central Chile: An interdisciplinary approach, Millennium scientific initiative

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

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Pontificia Universidad Católica de Chile

Type of entity: University

City of entity: Santiago de Chile, Chile

Name principal investigator (PI, Co-PI....): Miriam Ethel Fernandez Bergia

Nº of researchers: 14

Funding entity or bodies:

Ministerio de Economía

Type of entity: State agency

City funding entity: Santiago de Chile, Chile

Type of participation: Team member

Name of the programme: Iniciativa Científica Millenio

Start-End date: 01/03/2013 - 01/03/2019

Total amount: 811.000 €

Percentage as grant: 100

Dedication regime: Full time

4 Name of the project: FIPA Nº 2016-55 Dinámica poblacional de la anchoveta XV-II Regiones a través de modelación bio-física, año 2016

Type of project: Research and development, including transfer

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: INPESCA (Chile)

Type of entity: Associations and Groups

City of entity: Talcahuano, Chile

Name principal investigator (PI, Co-PI....): Sebastian Vasquez Pastene

Funding entity or bodies:

Fondo de Investigación Pesquera y Agricultura

Type of entity: State agency

City funding entity: Valparaiso, Chile

Type of participation: Team member

Start-End date: 15/12/2016 - 15/07/2018

Duration: 1 year - 7 months

Total amount: 120.000 €

Dedication regime: Part time



- 5 Name of the project:** Connecting places in the coastal ocean: origin and fate of propagules in the complex system of management, open-access and marine reserves of central Chile
Type of project: Research and development, including transfer
Geographical area: Non EU International
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Pontificia Universidad Católica de Chile
City of entity: Santiago, Chile
Name principal investigator (PI, Co-PI....): Andrés Ospina Alvarez; Sergio Navarrete
N^a people/year: 2
Funding entity or bodies: Fondo Nacional de Desarrollo Científico y Tecnológico FONDECYT
Type of entity: State agency
City funding entity: Santiago, Chile
Type of participation: Principal investigator
Name of the programme: Fondecyt Post-Doctorado
Start-End date: 31/10/2015 - 31/10/2017
Duration: 2 years
Participating entity/entities: Pontificia Universidad Católica de Chile
Total amount: 93.918,15 €
Percentage as grant: 100
Dedication regime: Full time
- 6 Name of the project:** FIPA N° 2014-33 Estructura poblacional y estimación de índices de reclutamiento de jurel basados en modelos biofísicos (fase I)
Type of project: Research and development, including transfer
Geographical area: Non EU International
Degree of contribution: Researcher
Entity where project took place: INPESCA (Chile)
Type of entity: Associations and Groups
City of entity: Talcahuano, Chile
Name principal investigator (PI, Co-PI....): Sebastian Vasquez Pastene
Funding entity or bodies: Consejo de Investigación Pesquera (CIP) & Fondo de Investigación Pesquera (FIP)
Type of participation: Team member
Start-End date: 05/06/2014 - 04/01/2016
Duration: 1 year - 7 months
Total amount: 90.000 €
Dedication regime: Part time
- 7 Name of the project:** ECOTRANS: Dynamics and ECOlogical role of small pelagic fishes in the NorthWestern Mediterranean: Energy TRANSfer from planktonic organisms and top predators
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....): Isabel Palomera Laforga
Funding entity or bodies: Ministerio de Economía, Ciencia y Tecnología
Type of entity: State agency
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 05/04/2012 - 05/04/2014
Total amount: 150.000 €



- 8** **Name of the project:** SARDONE: Improving assessment and management of small pelagic species in the Mediterranean, European Commission, Sixth Research Framework Program FP6
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Current university student
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....): Enrico Enrico Arneri
Funding entity or bodies: Comisión Europea **Type of entity:** Organismo UE
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Investigador predoctoral
Start-End date: 01/09/2007 - 01/09/2010
Total amount: 1.099.756 €
Dedication regime: Part time
- 9** **Name of the project:** MPOCAT: Evaluación de la población de pescado azul, sardina y anchoa, en el litoral catalán mediante el método de producción de huevos, Government of Catalonia; Spain
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Current university student
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....): Isabel Palomera Laforga
Funding entity or bodies: Departamento de Agricultura, Alimentación y Acción Rural **Type of entity:** Organismo Estatal
City funding entity: Cabrils, Catalonia, Spain
Type of participation: Investigador Predoctoral
Start-End date: 01/10/2007 - 01/10/2008
Total amount: 290.000 €
Dedication regime: Part time
- 10** **Name of the project:** FIPA Nº 2017-62 Dinámica poblacional de juveniles y adultos de jurel basada en modelación biofísica
Type of project: Research and development, including transfer **Geographical area:** Non EU International
Degree of contribution: Consultor externo
Entity where project took place: INPESCA (Chile)
City of entity: Talcahuano, Chile
Name principal investigator (PI, Co-PI....): Sebastian Vásquez Pastene
Type of participation: Team member
Code according to the funding entity: FIPA 2017-62
Start date: 18/10/2017
Total amount: 115.000 €

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

- 1** **Name of the project:** Data analyses and script development for MATLAB from Bluefin tuna tagged in the Atlantic coast of Morocco
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Andrés Ospina Alvarez
Nº of researchers: 1
Funding entity or bodies:
 WWF European Policy Programme **Type of entity:** Associations and Groups
City funding entity: Rome, Italy
Start date: 27/06/2013 **Duration:** 2 months - 5 days
Total amount: 4.400 €
- 2** **Name of the project:** Data analyses and script development for MATLAB from Bluefin tuna electronic tags
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Andrés Ospina Alvarez
Nº of researchers: 1
Funding entity or bodies:
 WWF European Policy Programme **Type of entity:** Associations and Groups
City funding entity: Barcelona, Catalonia, Spain
Start date: 01/09/2012 **Duration:** 3 months
Total amount: 5.063,29 €

Scientific and technological activities**Scientific production**

- 1** **H index:** 9
Date of application: 18/07/2020
Fuente de Índice H: WOS
- 2** **H index:** 11
Date of application: 18/07/2020
Fuente de Índice H: GOOGLE SCHOLAR
- 3** **H index:** 9
Date of application: 18/07/2020
Fuente de Índice H: SCOPUS



Publications, scientific and technical documents

- 1** Alejandro Perez Matus; Andres Ospina Alvarez; Patricio A. Camus; Sergio A. Carrasco; Miriam Fernandez Bergia; Stefan Gelcich; Natalio Godoy; Patricio Ojeda; Luis Miguel Pardo; Nicolas Rozbascylo; Ma. Dulce Subida; Martin Thiel; Evie A. Wieters; Sergio A. Navarrete. Temperate rocky subtidal reef community reveals human impacts across the entire food web. *Marine Ecology Progress Series*. 567, pp. 1 - 16. Inter-Research, 13/03/2017.
- Type of production:** Scientific paper
Position of signature: 2
- Total no. authors:** 14
Impact source: SCOPUS
Impact index in year of publication: 1.164
Position of publication: 14
- Impact source:** ISI
Impact index in year of publication: 2.276
Position of publication: 28
- Source of citations:** WOS
Source of citations: SCOPUS
Source of citations: Scholar Google
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Aquatic Science
Journal in the top 25%: Yes
No. of journals in the cat.: 221
- Category:** Science Edition - MARINE & FRESHWATER BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 106
- Citations:** 11
Citations: 11
Citations: 14
- Relevant results:** MEPS - Vol. 567 - FEATURE ARTICLE Temperate rocky subtidal reef community reveals human impacts across the entire food web The subtidal rocky shores of central Chile represent one of the most productive, yet heavily exploited, marine ecosystems on earth. Pérez-Matus and colleagues compiled and analyzed one of the most comprehensive marine food webs of coastal habitats, considering 147 taxa and explicitly considering the influence of commercial and recreational exploitation on 34 species. The analysis revealed that nearly 90% of the non-harvested nodes share consumers with harvested ones, suggesting that coastal fisheries heavily modulate the structural and topological properties of the entire subtidal community. The results highlight the need for multispecies management.
- Relevant publication:** Yes
- 2** P. Cermeño; G. Quílez-Badia; A. Ospina-Alvarez; S. Sainz-Trápaga; A.M. Boustany; A.C. Seitz; S. Tudela; B.A. Block. Electronic tagging of Atlantic bluefin tuna (*Thunnus thynnus*, L.) reveals habitat use and behaviors in the Mediterranean Sea. *PLoS ONE*. 10 - 2, 11/02/2015. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84923112414&partnerID=MN8TOARS>>.
- Type of production:** Scientific paper
Position of signature: 3
- Total no. authors:** 5
Impact source: SCOPUS
Impact index in year of publication: 1.427
Position of publication: 27
- Impact source:** ISI
Impact index in year of publication: 3.057
Position of publication: 11
- Source of citations:** WOS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Agricultural and Biological Sciences (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 255
- Category:** Science Edition - MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 63
Citations: 20

**Source of citations:** SCOPUS**Citations:** 21**Source of citations:** Scholar Google**Citations:** 43

Relevant results: This is a paper discussing the movements of juvenile bluefin tuna migrating from the Mediterranean to the Mediterranean and within the Mediterranean. Although the total citations in indexed sources is 21 (Scopus, January 2020), when indexed documents are included but also reports and non-indexed documents the citations exceed 40. This is a research article that has been very relevant in fisheries management and has been used as an argument for the establishment of bluefin tuna quotas in the Mediterranean by ICCAT.

Relevant publication: Yes

- 3** Andres Ospina-Alvarez; Silvia de Juan; Katrina Davis; Catherine Gonzalez; Miriam Fernandez; Sergio A. Navarrete. Integration of biophysical connectivity in the spatial optimization of coastal ecosystem services. *Science of the Total Environment*. 733, pp. 139367. Elsevier, 09/2020. Available on-line at: <<https://doi.org/10.1016/j.scitotenv.2020.139367>>.

DOI: 10.1016/j.scitotenv.2020.139367**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 6.551**Position of publication:** 22**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.:** 265

- 4** Andres Ospina Alvarez; Silvia de Juan Mohan; Josep Alós; Gotzon Basterretxea; Alexandre Alonso-Fernández; Guillermo Follana-Berná; Miquel Palmer; Ignacio Catalan. MPA network design based on graph network theory and emergent properties of larval dispersal. *Marine Ecology Progress Series*. Inter-Research Science Publisher, 15/06/2020. Available on-line at: <<https://www.int-res.com/prepress/m13399.html>>.

DOI: 10.3354/meps13399**ArXiv:** arXiv:1902.03977**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** SCOPUS**Impact index in year of publication:** 1.249**Position of publication:** 18**Impact source:** ISI**Impact index in year of publication:** 2.326**Position of publication:** 25**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Aquatic Science**Journal in the top 25%:** Yes**No. of journals in the cat.:** 230**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 106

- 5** Nicolas Weidberg; Ospina-Alvarez Ospina Alvarez; Jessica Bonicelli; Mario Barahona; Christopher M. Aiken; Bernardo R. Broitman; Sergio A. Navarrete. Spatial shifts in productivity of the coastal ocean over the past two decades induced by migration of the Pacific Anticyclone and Bakun effect in the Humboldt Upwelling Ecosystem. *Global and Planetary Change*. 193, pp. 103259. Elsevier, 06/2020. Available on-line at: <<https://doi.org/10.1016/j.gloplacha.2020.103259>>.

DOI: 10.1016/j.gloplacha.2020.103259**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: 7

Impact source: SCOPUS

Impact index in year of publication: 1.76

Position of publication: 6

Impact source: ISI

Impact index in year of publication: 4.448

Position of publication: 6

Corresponding author: No

Category: Oceanography

Journal in the top 25%: Yes

No. of journals in the cat.: 146

Category: Science Edition - GEOGRAPHY, PHYSICAL

Journal in the top 25%: Yes

No. of journals in the cat.: 50

- 6** Mario Barahona; Bernardo Broitman; Sylvain Faugeron; Lucie Jaugeon; Andres Ospina-Alvarez; David Veliz; Sergio Navarrete. Environmental and demographic factors influence the spatial genetic structure of an intertidal barnacle in central-northern Chile. *Marine Ecology Progress Series*. 612, pp. 151 - 165. Inter-Research, 07/03/2019.

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 7

Impact source: SCOPUS

Impact index in year of publication: 1.284

Position of publication: 18

Impact source: ISI

Impact index in year of publication: 2.359

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: Aquatic Science

Journal in the top 25%: Yes

No. of journals in the cat.: 218

Category: Science Edition - MARINE & FRESHWATER BIOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 108

- 7** Marta Blanco Suarez; Andres Ospina-Alvarez; Sergio Navarrete; Miriam Fernández. Influence of larval traits on dispersal and connectivity patterns of two exploited marine invertebrates in central Chile. *Marine Ecology Progress Series*. 612, pp. 43 - 64. Inter-Research, 07/03/2019.

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 1.284

Position of publication: 18

Impact source: ISI

Impact index in year of publication: 2.359

Position of publication: 30

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Format: Journal

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

Corresponding author: No

Category: Aquatic Science

Journal in the top 25%: Yes

No. of journals in the cat.: 218

Category: Science Edition - MARINE & FRESHWATER BIOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 108

Citations: 0

Citations: 0

Citations: 2

- 8** Andres Ospina-Alvarez; Nicolas Weidberg; Christopher M. Aiken; Sergio A. Navarrete. Larval transport in the upwelling ecosystem of central Chile: The effects of vertical migration, developmental time and coastal topography on recruitment. *Progress in Oceanography*. 168, pp. 82 - 99. 01/11/2018.

Type of production: Scientific paper

Position of signature: 1

Format: Journal

Total no. authors: 4
Impact source: SCOPUS
Impact index in year of publication: 2.357
Position of publication: 2

Impact source: ISI
Impact index in year of publication: 3.245
Position of publication: 8

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Aquatic Science
Journal in the top 25%: Yes
No. of journals in the cat.: 218

Category: Science Edition - OCEANOGRAPHY
Journal in the top 25%: Yes
No. of journals in the cat.: 66

Citations: 3

Citations: 4

Citations: 4

- 9** Marta Blanco; Andrés Ospina-Álvarez; Catherine González; Miriam Fernández. Egg production patterns of two invertebrate species in rocky subtidal areas under different fishing regimes along the coast of central Chile. PlosOne. 12 - 5, pp. e0176758. 08/05/2017.

Type of production: Scientific paper
Position of signature: 2

Total no. authors: 4
Impact source: SCOPUS

Impact index in year of publication: 1.164
Position of publication: 31

Impact source: ISI

Impact index in year of publication: 2.766
Position of publication: 15

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Agricultural and Biological Sciences (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 272

Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 64

Citations: 4

Citations: 4

Citations: 4

- 10** Silvia de Juan; Stefan Gelcich; Andres Ospina-Alvarez; Alejandro Pérez-Matus; Miriam Fernández. Applying an ecosystem service approach to unravel links between ecosystems and society in the coast of central Chile. Science of the Total Environment. 533, pp. 122 - 132. 15/11/2015.

Type of production: Scientific paper
Position of signature: 3

Total no. authors: 5
Impact source: SCOPUS
Impact index in year of publication: 1.653
Position of publication: 104

Impact source: ISI

Impact index in year of publication: 3.976
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: Environmental Science (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 1.611

Category: Science Edition - ENVIRONMENTAL SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 225

**Source of citations:** WOS**Citations:** 7**Source of citations:** SCOPUS**Citations:** 7**Source of citations:** Scholar Google**Citations:** 10

- 11** A. Ospina-Alvarez; I.A. Catalán; M. Bernal; D. Roos; I. Palomera. From egg production to recruits: Connectivity and inter-annual variability in the recruitment patterns of European anchovy in the northwestern Mediterranean. *Progress in Oceanography*. 138 - Part B, pp. 431 - 447. 01/11/2015. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84922574994&partnerID=MN8TOARS>>.

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:** 5**Corresponding author:** Yes**Impact source:** SCOPUS**Category:** Aquatic Science**Impact index in year of publication:** 1.705**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 212**Impact source:** ISI**Category:** Science Edition - OCEANOGRAPHY**Impact index in year of publication:** 3.512**Journal in the top 25%:** Yes**Position of publication:** 5**No. of journals in the cat.:** 61**Source of citations:** WOS**Citations:** 14**Source of citations:** SCOPUS**Citations:** 17**Source of citations:** Scholar Google**Citations:** 20

- 12** A. Pérez-Matus; S. A. Carrasco; Andres Ospina-Alvarez. Length-weight relationships for 25 kelp forest-associated fishes of northern and central Chile. *Revista de Biología Marina y Oceanografía*. 49 - 1, pp. 141 - 145. 01/04/2014.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 3**Corresponding author:** No**Impact source:** SCOPUS**Category:** Oceanography**Impact index in year of publication:** 0.287**Journal in the top 25%:** No**Position of publication:** 84**No. of journals in the cat.:** 132**Impact source:** ISI**Category:** Science Edition - MARINE & FRESHWATER BIOLOGY**Impact index in year of publication:** 0.574**Journal in the top 25%:** No**Position of publication:** 90**No. of journals in the cat.:** 103**Source of citations:** WOS**Citations:** 5**Source of citations:** SCOPUS**Citations:** 4**Source of citations:** Scholar Google**Citations:** 6

- 13** A. Ospina-Alvarez. Breeding ecology of brown booby (*Sula leucogaster*) in Gorgona Island, eastern tropical Pacific Ocean. *Notornis*. 61 - 1, pp. 10 - 18. 28/01/2014. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84899683157&partnerID=MN8TOARS>>.

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: 1

Impact source: SCOPUS

Impact index in year of publication: 0.240

Position of publication: 293

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Corresponding author: Yes

Category: Animal Science and Zoology

Journal in the top 25%: No

No. of journals in the cat.: 392

Citations: 0

Citations: 0

Citations: 1

- 14** A. Ospina-Álvarez; M. Bernal; I.A. Catalán; D. Roos; J.-L. Bigot; I. Palomera. Modeling Fish Egg Production and Spatial Distribution from Acoustic Data: A Step Forward into the Analysis of Recruitment. PLoS ONE. 8 - 9, 16/09/2013. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84884200313&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 1.772

Position of publication: 19

Impact source: ISI

Impact index in year of publication: 3.534

Position of publication: 8

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Format: Journal

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

Corresponding author: Yes

Category: Agricultural and Biological Sciences (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 258

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 55

Citations: 9

Citations: 9

Citations: 13

- 15** I.A. Catalán; D. Macías; J. Solé; A. Ospina-Álvarez; J. Ruiz. Stay off the motorway: Resolving the pre-recruitment life history dynamics of the European anchovy in the SW Mediterranean through a spatially-explicit individual-based model (SEIBM). Progress in Oceanography. 111, pp. 140 - 153. 01/04/2013. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84875804165&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 2.370

Position of publication: 3

Impact source: ISI

Impact index in year of publication: 3.163

Position of publication: 3

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Format: Journal

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.: 205

Category: Science Edition - OCEANOGRAPHY

Journal in the top 25%: Yes

No. of journals in the cat.: 59

Citations: 15

Citations: 15

Citations: 18

- 16** A. Ospina-Alvarez; C. Parada; I. Palomera. Vertical migration effects on the dispersion and recruitment of European anchovy larvae: From spawning to nursery areas. *Ecological Modelling*. 231, pp. 65 - 79. 24/04/2012. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84857660866&partnerID=MN8TOARS>>.
- Type of production:** Scientific paper
Position of signature: 1
- Total no. authors:** 3
Impact source: SCOPUS
Impact index in year of publication: 1.040
Position of publication: 7
- Impact source:** ISI
Impact index in year of publication: 2.069
Position of publication: 63
- Source of citations:** WOS
Source of citations: SCOPUS
Source of citations: Scholar Google
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Ecological Modelling
Journal in the top 25%: Yes
No. of journals in the cat.: 28
- Category:** Science Edition - ECOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 136
- Citations:** 27
Citations: 28
Citations: 38
- 17** D. Costalago; S. Tecchio; I. Palomera; I. Álvarez-Calleja; A. Ospina-Álvarez; S. Raicevich. Ecological understanding for fishery management: Condition and growth of anchovy late larvae during different seasons in the Northwestern Mediterranean. *Estuarine, Coastal and Shelf Science*. 93 - 4, pp. 350 - 358. 20/07/2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-79960273484&partnerID=MN8TOARS>>.
- Type of production:** Scientific paper
Position of signature: 5
- Total no. authors:** 5
Impact source: SCOPUS
Impact index in year of publication: 1.379
Position of publication: 25
- Impact source:** ISI
Impact index in year of publication: 2.247
Position of publication: 20
- Source of citations:** WOS
Source of citations: SCOPUS
Source of citations: Scholar Google
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Aquatic Science
Journal in the top 25%: Yes
No. of journals in the cat.: 193
- Category:** Science Edition - MARINE & FRESHWATER BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 97
- Citations:** 20
Citations: 20
Citations: 29
- 18** A. Ospina-Alvarez; I. Palomera; C. Parada. Changes in egg buoyancy during development and its effects on the vertical distribution of anchovy eggs. *Fisheries Research*. 117-118, pp. 86 - 95. 02/02/2011. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-84856442713&partnerID=MN8TOARS>>.
- Type of production:** Scientific paper
Position of signature: 1
- Total no. authors:** 3
Impact source: SCOPUS
Impact index in year of publication: 1.162
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Aquatic Science
Journal in the top 25%: Yes

Position of publication: 36

Impact source: ISI

Impact index in year of publication: 1.586

Position of publication: 18

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

No. of journals in the cat.: 193

Category: Science Edition - FISHERIES

Journal in the top 25%: No

No. of journals in the cat.: 50

Citations: 30

Citations: 35

Citations: 52

- 19** A. Ospina-Alvarez. Coloniality of Brown Booby (*Sula leucogaster*) in Gorgona national natural park, eastern tropical pacific. *Ornitologia Neotropical*. 19 - 4, pp. 517 - 529. 24/06/2008. Available on-line at: <<http://www.scopus.com/inward/record.url?eid=2-s2.0-67649553002&partnerID=MN8TOARS>>.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 1

Impact source: SCOPUS

Impact index in year of publication: 0.351

Position of publication: 340

Impact source: ISI

Impact index in year of publication: 0.414

Position of publication: 16

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

Format: Journal

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

Corresponding author: Yes

Category: Ecology, Evolution, Behaviour and Systematics

Journal in the top 25%: No

No. of journals in the cat.: 482

Category: Science Edition - ORNITHOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 18

Citations: 4

Citations: 6

Citations: 10

- 20** Susan Lowerre-Barbieri; Gregory DeCelles; Pierre Pepin; Ignacio Catalán; Barbara Muhling; Brad Erisman; Steve X. Cadrin; Josep Alos; Andrés Ospina-Alvarez; Megan M. Stachura; Michael Tringali; Sara Walter Burnsed; Claire B. Paris. Reproductive resilience: a paradigm shift in understanding spawner-recruit systems in exploited marine fish. *Fish and Fisheries*. 18 - 2, pp. 285 - 312. Wiley, 01/09/2016.

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 13

Impact source: SCOPUS

Impact index in year of publication: 3.615

Position of publication: 1

Impact source: ISI

Impact index in year of publication: 6.990

Position of publication: 2

Source of citations: WOS

Source of citations: SCOPUS

Source of citations: Scholar Google

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: Aquatic Science

Journal in the top 25%: Yes

No. of journals in the cat.: 221

Category: Science Edition - FISHERIES

Journal in the top 25%: Yes

No. of journals in the cat.: 51

Citations: 30

Citations: 29

Citations: 34



- 21** Pamela Padilla; Andrés Ospina Alvarez. Financing Marine Protected Areas through visitors fees: A possible solution for biodiversity conservation. LatinAmericanScience.org. 7, LatinAmericanScience.org, 13/07/2015. Available on-line at: <<http://latinamericanscience.org/2015/07/financing-marine-protected-areas-through-visitors-fees-a-possible-solution-for-biodiversity-conservation/>>.
- Type of production:** Popular science article
Position of signature: 2
Total no. authors: 2
- Format:** Journal
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: Yes
- 22** Gemma Quiléz Badia; Andrés Ospina Alvarez; Susana Sainz Trápaga; Antonio Di Natale; Nouredine Abid; Pablo Cermeño; Sergi Tudela. The WWF/GBYP multi-annual bluefin tuna electronic tagging program (2008–2013): repercussions for management. ICCAT Collect. Vol. Sci. Pap. 71 - 4, pp. 1789 - 1802. International Commission for the Conservation of Atlantic Tunas ICCAT, 2015. Available on-line at: <https://www.iccat.int/Documents/CVSP/CV071_2015/n_4/CV071041789.pdf>. ISSN 1021-5212
- Type of production:** Scientific-technical report
Format: Scientific and technical document or report
Corresponding author: No
Source of citations: Scholar Google
Citations: 7

Works submitted to national or international conferences

- 1** **Title of the work:** The sharks and rays Global Trade Network: an analysis from graph theory
Name of the conference: Global Forum on Sharks - World Wildlife Fund WWF - Webinar
Corresponding author: Yes
City of event: Rome, Italy
Date of event: 30/10/2020
End date: 30/10/2020
Organising entity: World Wildlife Fund WWF
Type of entity: Foundation
City organizing entity: Rome, Italy
Sebastian Villasante; Andrés Ospina-Alvarez; Silvia de Juan; Pablo Pita; Gillian B Ainsworth.
- 2** **Title of the work:** The impacts of COVID19 on small-scale fisheries in Europe
Name of the conference: ICES reflections: Understanding the impacts of the COVID-19 pandemic on fisheries, markets, communities, and management
Corresponding author: No
City of event: Copenhagen, Denmark, Denmark
Date of event: 16/09/2020
End date: 16/09/2020
Organising entity: International Council for the Exploration of the Sea (ICES)
Type of entity: Associations and Groups
City organizing entity: Copenhagen, Denmark, Denmark
Cristina Pita; Andrés Ospina-Alvarez.
- 3** **Title of the work:** Coupling social media and graph theory to assess MPAs CES contribution around the globe
Name of the conference: Ecosystem Services Partnership 10th World Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Hannover, Hannover, Germany
Date of event: 21/10/2019
End date: 25/10/2019



Organising entity: Ecosystem Services Partnership (ESP)
Silvia de Juan; Andrés Ospina-Alvarez; Sebastian Villasante; Ana Ruiz-Frau.

4 Title of the work: Is the sum greater than the parts? Comparison of social media data to assess CES in Marine Protected Areas

Name of the conference: Ecosystem Services Partnership 10th World Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: No

City of event: Hannover, Germany

Date of event: 21/10/2019

End date: 25/10/2019

Organising entity: Ecosystem Services Partnership (ESP)

Ana Ruiz Frau; Andrés Ospina Alvarez; Sebastian Villasante; Pablo Pita; Isidro Maya; Silvia de Juan Mohan.

5 Title of the work: Dolphinfish living in a warming ocean: How global climate change is reshaping the distribution, physiology and behaviour of marine migratory species and their associated fisheries

Name of the conference: ICES Annual Science Conference 2019

Corresponding author: Yes

City of event: Gothenburg, Sweden

Date of event: 09/09/2019

End date: 12/09/2019

Organising entity: International Council for the Exploration of the Sea

Andrés Ospina-Alvarez; Ignacio A. Catalán; Vicenç Moltó; Miquel Palmer.

DOI:

https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.6084%2Fm9.figshare.9878690.v1?_sg%5B

6 Title of the work: Interactions in a fishery socio- ecological system revealed by a Bayesian Belief Network approach

Name of the conference: ICES Annual Science Conference 2019

Type of participation: Participatory - poster

Corresponding author: No

City of event: Gothenburg, Sweden

Date of event: 09/09/2019

End date: 12/09/2019

Organising entity: International Council for the Exploration of the Sea

Silvia de Juan; Andrés Ospina-Alvarez; M. Demestre; Francesc Maynou.

7 Title of the work: Bridge over troubled water: achieving conservation and fisheries targets in a network of mpas and open access areas connected by larval drifters

Name of the conference: 43rd Annual Larval Fish Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Palma, Balearic Islands, Spain

Date of event: 21/05/2019

End date: 24/05/2019

Organising entity: American Fisheries Society

Type of entity: Associations and Groups

With external admission assessment committee: Yes



Andres Ospina-Alvarez; Ignacio Catalán. En: 43rd Annual Larval Fish Conference Book of Abstracts. pp. 111 - 111. American Fisheries Society, 21/05/2019. Available on-line at: <https://imedea.uib-csic.es/sites/lfc-2019/wp-content/uploads/sites/18/2019/05/programa_final.pdf>.

8 Title of the work: Thermal influence on the potential spawning habitat and juvenile growth of *Coryphaena hippurus* (dolphinfish) in the Mediterranean Sea

Name of the conference: 42nd Annual Larval Fish Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Victoria, Canada

Date of event: 24/06/2018

End date: 28/06/2018

Organising entity: American Fisheries Society

Type of entity: Associations and Groups

With external admission assessment committee: Yes

Andres Ospina-Alvarez; Vicenç Molto; Miquel Palmer; David Macias; Eduardo Ramírez-Romero; Ignacio Catalán. En: 42nd Annual Larval Fish Conference Book of Abstracts. pp. 40 - 40. American Fisheries Society, 24/06/2018. Available on-line at: <http://lfc-2018.com/downloads/Abstract%20Booklet_2018_Larval_Fish_Conference.pdf>.

9 Title of the work: This changing world: Forecasting the potential spawning habitat of dolphinfish in the Mediterranean Sea in a changing ocean

Name of the conference: International Symposium: The Climate Change Effects on the World Oceans

Corresponding author: Yes

City of event: Washington D.C., United States of America

Date of event: 04/06/2018

End date: 08/06/2018

Organising entity: ICES-PICES

Andres Ospina-Alvarez; Vicenç Molto; Miquel Palmer; David Macías; Eduardo Ramírez-Romero; Ignacio Catalan.

10 Title of the work: Consistencia en la evaluación de la conectividad poblacional de *Fissurella crassa* usando aproximaciones genéticas y modelos de dispersión: aplicaciones en conservación

Name of the conference: XXXVII Congreso de Ciencias del Mar

Corresponding author: No

City of event: Valparaiso, Chile

Date of event: 22/05/2017

End date: 26/05/2017

Organising entity: Sociedad Chilena de Ciencias del Mar

Catherine Gonzalez; Andrés Ospina-Alvarez; Miriam Fernandez; Sylvain Faueron.

11 Title of the work: A space oddity: the case of the of anchoveta (*Engraulis ringens*) in southern Humboldt current system

Name of the conference: PICES - ICES International symposium: Drivers of dynamics of small pelagic fish

Corresponding author: No

City of event: Victoria, Canada

Date of event: 06/03/2017

End date: 11/03/2017

Organising entity: ICES-PICES

Sebastián Vásquez; Cristian Salas; Andrés Ospina-Alvarez; Sergio Nuñez; Marcos Arteaga; Aquiles Sepulveda.



DOI: 10.13140/RG.2.2.17180.49286

- 12** **Title of the work:** Bioenergetics of European sardine: simulating environmental influences and dynamics in the western Mediterranean Sea
Name of the conference: PICES - ICES International symposium: Drivers of dynamics of small pelagic fish
Corresponding author: No
City of event: Victoria, Canada
Date of event: 06/03/2017
End date: 11/03/2017
Organising entity: ICES-PICES
Marta Albo-Puigserver; Heidi Pethybridge; Joan Navarro; Isabel Palomera; Magdalena Iglesias; Andrés Ospina-Álvarez; Ana Ventero; Marta Coll.
- 13** **Title of the work:** Designing a reproductive resilience index for small pelagic fish in the southern Humboldt Current Upwelling Ecosystem
Name of the conference: PICES - ICES International symposium: Drivers of dynamics of small pelagic fish
Corresponding author: Yes
City of event: Victoria, Canada
Date of event: 06/03/2017
End date: 11/03/2017
Organising entity: ICES-PICES
Andrés Ospina-Alvarez; Sebastián Vasquez; Cristian Salas; Sergio Núñez; Marcos Arteaga; Aquiles Sepúlveda.
- 14** **Title of the work:** Effects of biological traits on connectivity patterns of two marine invertebrates in central Chile
Name of the conference: ECSA 56 – Coastal systems in transition from a natural to an anthropogenically modified state
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Bremen, Bremen, Germany
Date of event: 04/09/2016
End date: 09/09/2016
Organising entity: ECSA - ELSEVIER
With external admission assessment committee: Yes
Marta Blanco; Andrés Ospina-Alvarez; Miriam Fernandez. Elsevier, 09/09/2016.
Geographical area: Non EU International
Reasons for participation: Review before acceptance
- 15** **Title of the work:** Spawning during the period of low potential connectivity in an eastern boundary upwelling system
Name of the conference: ECSA 56 – Coastal systems in transition from a natural to an anthropogenically modified state
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Bremen, Bremen, Germany
Date of event: 04/09/2016
End date: 09/09/2016
Organising entity: ECSA - ELSEVIER
With external admission assessment committee: Yes
Geographical area: Non EU International
Reasons for participation: Review before acceptance



Andrés Ospina-Alvarez; Sergio Navarrete; Christopher M. Aiken. Elsevier, 09/09/2016.

- 16** **Title of the work:** Using spatial optimisation to identify variability in ecosystem service provision under different management scenarios on Chile's central coast
Name of the conference: ECSA 56 – Coastal systems in transition from a natural to an anthropogenically modified state
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Bremen, Bremen, Germany
Date of event: 04/09/2016
End date: 09/09/2016
Organising entity: ECSA - ELSEVIER
With external admission assessment committee: Yes
Silvia de Juan; Andrés Ospina-Alvarez; Katrina Davis; Caterine Gonzalez; Miriam Fernandez. Elsevier, 07/09/2016.
- 17** **Title of the work:** Relative importance of protection on gonad production, fecundity, size, and density: consequences of seeding exploited áreas
Name of the conference: 11th International Temperate Reefs Symposium
Corresponding author: No
City of event: Pisa, Italy
Date of event: 26/06/2016
End date: 30/06/2016
Organising entity: University of Pisa
Miriam Fernandez; Marta Blanco; Cristina Ruano; Andrés Ospina-Alvarez; Dulce Subida; Catherine Gonzalez.
- 18** **Title of the work:** Temperature-mediated development and post-hatching performance in three coastal species with contrasting life-history patterns
Name of the conference: 11th International Temperate Reefs Symposium
Corresponding author: No
City of event: Pisa, Italy
Date of event: 26/06/2016
Organising entity: University of Pisa
Sergio Carrasco; Marta Blanco; Andrés Ospina-Alvarez; Alejandro Perez-Matus; Rodrigo Muñoz; M. Dijkstra; Miriam Fernandez.
- 19** **Title of the work:** Biophysical modelling of Jack Mackerel in the South-Eastern Pacific Ocean: A step forward in understanding recruitment dynamics
Name of the conference: The 7th World Fisheries Congress
Type of event: Conference
Type of participation: Participatory - oral communication
Geographical area: Non EU International
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Busan, Republic of Korea
Date of event: 27/05/2016
Organising entity: The World Council of Fisheries Societies
Type of entity: Foundation
City organizing entity: Bethesda, United States of America
With external admission assessment committee: Yes



Sebastian Vasquez; Andrés Sepulveda; Cristian Salas; Andrés Ospina Alvarez.

- 20** **Title of the work:** Consistencia en evaluación de la conectividad poblacional de *Fissurella crassa* usando aproximaciones genéticas y modelos de dispersión
Name of the conference: XXXVI Congreso de Ciencias del Mar
Corresponding author: No
City of event: Concepción, Chile
Date of event: 23/05/2016
End date: 27/05/2016
Organising entity: Sociedad Chilena de Ciencias del Mar
Catherine Gonzalez; Andrés Ospina-Alvarez; Miriam Fernandez; Sylvain Faugeron.
- 21** **Title of the work:** Especies fundadoras marinas: interacciones, importancia y redes tróficas del submareal rocoso
Name of the conference: XXXVI Congreso de Ciencias del Mar
Corresponding author: No
City of event: Concepción, Chile
Date of event: 23/05/2016
End date: 27/05/2016
Organising entity: Sociedad Chilena de Ciencias del Mar
Alejandro Pérez-Matus; J Byrnes; Sergio Carrasco; Catalina Ruz; Teresa Navarrete-Fernández; Andrés Ospina-Alvarez; Evie Wieters.
- 22** **Title of the work:** Patrones de producción de huevos de dos especies de invertebrados del submareal rocoso bajo diferentes regímenes de pesca a lo largo de la costa central de Chile
Name of the conference: XXXVI Congreso de Ciencias del Mar
Corresponding author: No
City of event: Concepción, Chile
Date of event: 23/05/2016
End date: 27/05/2016
Organising entity: Sociedad Chilena de Ciencias del Mar
Marta Blanco; Andres Ospina-Alvarez; Miriam Fernandez.
- 23** **Title of the work:** A la deriva en un vasto océano: La vida secreta de los estadíos tempranos de especies marinas
Name of the conference: Estimación de índices de reclutamiento basado en variables y modelos biofísicos de pelágicos pequeños de la zona centro-sur de Chile
Type of participation: Participatory - invited/keynote **Reasons for participation:** Upon invitation talk
Corresponding author: Yes
City of event: Talcahuano, Chile
Date of event: 18/06/2015
End date: 18/06/2015
Organising entity: Instituto de Investigaciones Pesqueras INPESCA
City organizing entity: Talcahuano, Chile
Andrés Ospina Alvarez.
- 24** **Title of the work:** Adaptive reference conditions to assess benthic ecosystem integrity in central Chile
Name of the conference: ASLO 2015 Aquatic Sciences Meeting
City of event: Granada, Andalusia, Spain
Date of event: 22/02/2015
End date: 27/02/2015



Organising entity: Association for the Sciences of Limnology and Oceanography

Dulce Subida; Silvia de Juan; Andres Ospina-Alvarez; Alejandro Pérez-Matus; Christopher Aiken; Juan Carlos Castilla; Sylvain Faugeton; Stefan Gelcich; Sergio Navarrete; Evie Wieters; Miriam Fernandez.

- 25 Title of the work:** Towards the practical use of models: merging acoustics and IBMs to project anchovy dynamics in the NW Mediterranean
Name of the conference: Policy oriented Marine Environmental Research in the Southern European Seas (PERSEUS) 2nd Scientific Workshop
Type of event: Seminar **Geographical area:** European Union
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Morocco
Date of event: 01/12/2014
End date: 04/12/2014
Organising entity: European Commission
City organizing entity: Bruselas, Belgium
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
I A Catalan; Andres Ospina-Alvarez; Miguel Bernal; Isabel Palomera; D Roos. 12/2014.

- 26 Title of the work:** The WWF/GBYP multi-annual bluefin tuna electronic tagging program (2008–2013): repercussions for management
Name of the conference: 2014 Atlantic Bluefin Tuna Stock Assessment Session
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - Plenary session **Reasons for participation:** Representing session
Corresponding author: No
City of event: Madrid, Community of Madrid, Spain
Date of event: 22/09/2014
End date: 27/09/2014
Organising entity: Comisión Internacional para la Conservación del Atún Atlántico **Type of entity:** International Commission
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific-technical report
Gemma Quílez-Badia; Andres Ospina-Alvarez; Susana Sainz Trápaga; A. Di Natale; Pablo Cermeño; Sergi Tudela. En: Collective Volume of Scientific Papers. 71 - 4, pp. 1789 - 1802. ICCAT, 2015. Available on-line at: <https://www.iccat.int/Documents/CVSP/CV071_2015/colvol71.html#>. ISSN 1021-5212

- 27 Title of the work:** Merging acoustic and reproductive data with dispersal models to improve recruitment indices in European anchovy
Name of the conference: 144 American Fisheries Society
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Quebec, Canada
Date of event: 21/08/2014
Organising entity: American Fisheries Society **Type of entity:** Associations and Groups
Andres Ospina-Alvarez; Ignacio Alberto Catalan; Isabel Palomera; Miguel Bernal.



- 28** **Title of the work:** The influence of hydrodynamic and early-life-history traits on larval transport of two littoral fish species
Name of the conference: V Reunión Binacional Ecología
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Puerto Varas, Chile
Date of event: 03/11/2013
Organising entity: Sociedad de Ecología (Chile - Argentina) **Type of entity:** Associations and Groups
City organizing entity: Santiago de Chile, Chile
With external admission assessment committee: Yes
Andres Ospina-Alvarez; Lidia Manzur; Miriam Fernandez; Patricio Ojeda.
- 29** **Title of the work:** Bluefin Tuna patterns discovered by electronic tagging in the Mediterranean Sea and in Atlantic waters of Morocco (2008-2012)
Name of the conference: 2013 Bluefin Meeting on Biological Parameters Review
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Representing
Corresponding author: No
City of event: Tenerife, Canary Islands, Spain
Date of event: 10/05/2013
Organising entity: Comisión Internacional para la Conservación del Atún Atlántico **Type of entity:** Organismo
G Quilez-Badia; Pablo Cermeño; Andres Ospina-Alvarez; Susana Sainz-Trapaga; Sergi Tudela; Antonio Di Natale. pp. 1 - 37.
- 30** **Title of the work:** Using acoustic and egg production methods to infer connectivity between spawning and nursery areas
Name of the conference: Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
Corresponding author: Yes
City of event: Barcelona, Spain
Date of event: 21/11/2011
Organising entity: International Council for the Exploration of the Sea **Type of entity:** Foundation
City organizing entity: Copenhagen, Denmark
With external admission assessment committee: Yes
Andres Ospina-Alvarez.
- 31** **Title of the work:** Anchovy egg distribution and mortality in NW mediterranean
Name of the conference: Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 21/11/2011
End date: 21/11/2011



Organising entity: International Council for the Exploration of the Sea
Marcela Tapias; Juan F. Carvajalino; Andres Ospina-Alvarez; Isabel Palomera; Miguel Bernal.

32 Title of the work: Dynamics of anchovy early life stages in the NW Mediterranean using a coupled hydrodynamics and biological model

Name of the conference: Workshop on Integrated Ecosystem Modelling

Type of event: Seminar

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Upon invitation

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 17/11/2010

Organising entity: International Council for the Exploration of the Sea ICES

Type of entity: Foundation

City organizing entity: Copenhagen, Denmark
Andres Ospina-Alvarez; Isabel Palomera.

33 Title of the work: Setting up an egg-density model for European anchovy, *Engraulis encrasicolus*

Name of the conference: CIESM Congress 2010

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Venice, Italy

Date of event: 10/05/2010

Organising entity: Mediterranean Science Commission

City organizing entity: Monaco

With external admission assessment committee: Yes

Isabel Palomera; Andrés Ospina Alvarez. 39, pp. 614. Rapp. Comm. int. Mer Médit.,

34 Title of the work: Novel biophysical life cycle model for European anchovy in the northwestern Mediterranean: towards a fishery management tool

Name of the conference: ICES Annual Science Conference

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes

City of event: Nantes, France

Date of event: 26/04/2010

Organising entity: International Council for the Exploration of the Sea

Type of entity: Foundation

City organizing entity: Copenhagen, Denmark

With external admission assessment committee: Yes

Andres Ospina-Alvarez; Isabel Palomera; Pierre Garreau; A Nicolle; Carolina E Parada. 09/2010.

35 Title of the work: Modelling the effect of buoyancy on the transport of anchovy eggs: a tool to improve the egg survey design

Name of the conference: Workshop on Egg Production Methods for estimating fish biomass

Type of event: Seminar

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

Corresponding author: Yes



City of event: Atenas, Greece

Date of event: 10/03/2010

Organising entity: International Council for the Exploration of the Sea (ICES) and COST

Type of entity: Foundation

City organizing entity: Copenhagen, Denmark

With external admission assessment committee: Yes

Andres Ospina-Alvarez; Isabel Palomera. 2010.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** ICES/PICES Working Group on Small Pelagic Fish
Primary (UNESCO code): 240106 - Animal ecology
Secondary (UNESCO code): 310510 - Population dynamics
Affiliation entity: International Council for the Exploration of the Sea (ICES)
City affiliation entity: Copenhagen, Denmark
Start-End date: 03/2020 - 03/2021
Type of entity: Intergovernmental marine science organization
- 2** **Committee title:** CopeMed II-MedSudMed Workshop on the status of Coryphaena hippurus fisheries in the Western-Central Mediterranean
Geographical area: European Union
Primary (UNESCO code): 310500 - Fish and wildlife
Secondary (UNESCO code): 310512 - Wild life conservation and management
Tertiary (UNESCO code): 510208 - Fishing
City: Cádiz, Andalusia, Spain
Affiliation entity: Food and Agriculture Organization of the United Nations FAO
City affiliation entity: Rome, Lazio, Italy
Start-End date: 08/10/2019 - 09/10/2019
- 3** **Committee title:** ICES Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES Areas VIII and IX
Primary (UNESCO code): 240106 - Animal ecology; 240119 - Marine zoology
Secondary (UNESCO code): 240105 - Animal development
Affiliation entity: International Council for the Exploration of the Sea
City affiliation entity: Copenhagen, Denmark
Start-End date: 21/11/2011 - 21/11/2011
- 4** **Committee title:** MARIFISH - ICES Working Group on Integrated Ecosystem Modelling
Primary (UNESCO code): 240106 - Animal ecology; 240119 - Marine zoology
Affiliation entity: International Council for the Exploration of the Sea
City affiliation entity: Copenhagen, Denmark
Start-End date: 15/11/2010 - 15/11/2010
- 5** **Committee title:** ICES - Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX
Primary (UNESCO code): 240106 - Animal ecology; 251005 - Marine zoology
Secondary (UNESCO code): 240105 - Animal development
Affiliation entity: International Council for the Exploration of the Sea



City affiliation entity: Copenhagen, Denmark
Start-End date: 10/03/2010 - 10/03/2010

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Pontificia Universidad Católica de Chile
Faculty, institute or centre: Ciencias Biológicas
City of entity: Santiago, Chile
Start-End date: 01/11/2014 - 31/10/2017
Goals of the stay: Post-doctoral
Provable tasks: Principal Investigator of the project "Connecting places in the coastal ocean: origin and fate of propagules in the complex system of management, open-access and marine reserves of central Chile"
Type of entity: University
Duration: 2 years - 11 months - 30 days
- 2** **Entity:** Pontificia Universidad Católica de Chile
Faculty, institute or centre: Ciencias Biológicas
City of entity: Santiago, Chile
Start-End date: 01/11/2013 - 31/10/2014
Goals of the stay: Post-doctoral
Provable tasks: Post-Doctoral Researcher working at Núcleo Milenio Centro de Conservación Marina
Type of entity: University
Duration: 1 year - 3 months - 30 days
- 3** **Entity:** Institut Mediterrani d'Estudis Avançats (IMEDEA)
City of entity: Esporles, Balearic Islands, Spain
Start-End date: 30/07/2011 - 01/03/2012
Goals of the stay: Doctorate
Type of entity: State agency
Duration: 7 months
- 4** **Entity:** Institut Français de Recherche pour l'Exploitation de la Mer IFREMER
Faculty, institute or centre: DYNECO
City of entity: Brest, France
Start-End date: 17/05/2011 - 11/11/2011
Goals of the stay: Doctorate
Type of entity: State agency
Duration: 4 months - 24 days
- 5** **Entity:** Universidad de Concepción
Faculty, institute or centre: Departamento De Geofísica DGEO
City of entity: Concepción, Chile
Start-End date: 26/03/2010 - 24/07/2010
Goals of the stay: Doctorate
Type of entity: University
Duration: 4 months
- 6** **Entity:** Hamburg University
Faculty, institute or centre: ZENTRUM FÜR MARINE UND ATMOSPHERISCHE WISSENSCHAFTEN (ZMAW)
City of entity: Hamburg, Germany
Start-End date: 07/04/2009 - 27/07/2009
Goals of the stay: Doctorate
Type of entity: University
Duration: 3 months - 20 days



Obtained grants and scholarships

- 1** **Name of the grant:** H2020 Marie Skłodowska Curie Actions Individual Fellowships
Aims: Post-doctoral
Awarding entity: Comisión Europea **Type of entity:** European
Conferral date: 01/01/2018 **Duration:** 3 years - 2 months - 11 days
End date: 12/03/2021
Entity where activity was carried out: Instituto Mediterráneo d Estudios Avanzados
Faculty, institute or centre: Department of Marine Ecosystem Dynamics
- 2** **Name of the grant:** FONDECYT de Postdoctorado
Aims: Post-doctoral
Awarding entity: Comisión Nacional de Investigación Científica y Tecnológica CONICYT **Type of entity:** State agency
Conferral date: 01/11/2014 **Duration:** 3 years
End date: 31/10/2017
Entity where activity was carried out: Pontificia Universidad Católica de Chile
Faculty, institute or centre: Facultad de Ciencias Biológicas
- 3** **Name of the grant:** Junta de Acción de Estudio JAE PreDoc CSIC
Aims: Pre-doctoral
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Conferral date: 01/2008 **Duration:** 4 years
End date: 12/2011
Entity where activity was carried out: Instituto de Ciencias del Mar
Faculty, institute or centre: Departamento de Recursos
- 4** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 08/2002 **Duration:** 4 months
End date: 12/2002
Entity where activity was carried out: Universidad del Valle
- 5** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 01/2002 **Duration:** 4 months
End date: 05/2002
Entity where activity was carried out: Universidad del Valle
- 6** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 08/2001 **Duration:** 4 months
End date: 12/2001
Entity where activity was carried out: Universidad del Valle



- 7** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 01/2001 **Duration:** 4 months
End date: 05/2001
Entity where activity was carried out: Universidad del Valle
- 8** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 08/2000 **Duration:** 4 months
End date: 12/2000
Entity where activity was carried out: Universidad del Valle
- 9** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 01/2000 **Duration:** 4 months
End date: 05/2000
Entity where activity was carried out: Universidad del Valle
- 10** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 08/1999 **Duration:** 4 months
End date: 12/1999
Entity where activity was carried out: Universidad del Valle
- 11** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 01/1999 **Duration:** 4 months
End date: 05/1999
Entity where activity was carried out: Universidad del Valle
- 12** **Name of the grant:** Academic Excellence
Aims: Pre-doctoral
Awarding entity: Universidad del Valle **Type of entity:** University
Conferral date: 02/1998 **Duration:** 4 months
End date: 12/1998
Entity where activity was carried out: Universidad del Valle



Co-operation networks

Name of the network: ECOMAR

Identification of the network: Assessment and monitoring of marine-coastal ecosystem services

Participating entity/entities: Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo

Type of entity: Iberoamerican program

Start date: 01/01/2017

Duration: 4 years