



Rafael Barrientos Yuste

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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 received my BSc Biology at Complutense University of Madrid in 2000. I started my research with a FPI competitively awarded scholarship from Spanish Ministry of Science and Education, in 2003 at Arid Zones Experimental Station-CSIC. At the end of my PhD I also worked in two management projects at National Parks Autonomous Agency, in which I was the PI. I also led three small projects supported by Castilla-La Mancha Autonomous Govern and SECEM. During the thesis period I enjoyed 3 short-stay grants at University of Padova (Italy) (2 months), IPNA-CSIC (3 months) and University of Oulu (Finland) (4 months). In 2010, I moved to National Museum of Natural History in Madrid, when I won a project-associated contract from CSIC. That same year I won a Postdoctoral grant from Castilla-La Mancha (2010-2012), followed by a Juan de la Cierva postdoctoral position from Spanish Ministry of Economy and Competitiveness (2012-2015), in both cases at Castilla-La Mancha University. At the end of 2015, I moved to Infraestructuras de Portugal Biodiversity Chair at CIBIO-Research Center in Biodiversity and Genetic Resources (Portugal), where I got a project-associated postdoctoral grant. In 2018 I went back to Spain, with a postdoc position at Univeristy of Alcala. From 2019 I enjoy a Talento CAM postdoc at Universidad Complutense. I was the PI in 7 projects summing ≈210.000€. I have participated at different levels in another 9 research projects from several calls, both national and international (summing >1 million euros).

I have published 49 SCI papers (4 more under review), 28 of them as first, sole or senior author (3 more under review), and 25 of them in Q1 journals. As first or sole author I have published in top-ranked journals like Mol Ecol, J Biogeo, Conserv Biol, Biol Conserv, Sci Rep, Divers Distrib, Biol Invasions, Forest Ecol Manage or Behav Ecol Sociobiol. I am co-editor of the book Railway Ecology from Springer, in which I am the first author of 2 chapters, including the Conclusions chapter; as well as co-author in the Introduction where we lay the foundations of Railway Ecology. I have published other 8 works in popular journals or journals of scientific dissemination, a chapter in the Enciclopedia Virtual de los Vertebrados Españoles and a chapter in a popular book on carnivores. I accumulate 507 hours of teaching. In 2015 I obtained the accreditation of Contracted Doctor by ANECA, and in 2019 the I3 accreditation. I have supervised or co-supervised 7 BSc or master thesis, being 4 more ongoing. I presented 51 works in international congresses, mainly oral presentations. I was invited as speaker at University of Granada, Instituto de Investigação Científica Tropical (Lisboa, Portugal), Instituto Superior de Agronomía (Lisboa, Portugal) or University of Evora (Portugal). I have been involved in the scientific committee of three congresses (two international ones), in one workshop in Germany, as well as in a meeting on Railway Ecology in Portugal. I have reviewed more than 50 manuscripts for more than 30 different journals (<https://publons.com/researcher/1206454/rafael-barrientos/peer-review/>). I have enjoyed contracts or grants (2-months or longer) in 10 different research centers from 5 different countries (including one for 2021 in the USA). I am co-author of ProyectoAvis (<https://proyectoavis.com/>), a citizen science project with more than 107.000 bird records.

Personal webpage: www.rafaelbarrientos.es



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.

Accreditation by the National Agency for the Evaluation of Quality and Accreditation (**ANECA**) on 09/2015 for the accreditations of **Contracted Doctor**, Doctor Assistant and Professor of Private University by **Programa de Incentivación de la Incorporación e Intensificación de la Actividad Investigadora** (I3) from 10/2019.

Google Scholar (26/11/2020): **Index h: 18; 932 citations**; Scopus (20/11/2020) **Index h: 14; 599 citations**

50 SCI publications (3 more under review) , **28 of them as first, sole or senior author** (2 more under review); **25 papers in Q1 journals**. Editor of the **Railway Ecology** book, being author of 3 chapters.



Rafael Barrientos Yuste

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 ScopusID: **22133778000**
 ResearcherID: **I-2102-2015**
 Personal web page: **www.rafaelbarrientos.es**

Current professional situation

Employing entity: Universidad Complutense de Madrid **Type of entity:** University
Professional category: Postdoctoral
Start date: 05/03/2019
Type of contract: Grant-assisted student (pre or post-doctoral, others)

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Alcalá	Post-doctoral	05/03/2018
2	CIBIO - Research Center in Biodiversity and Genetic Resources	Post-doctoral	01/11/2015
3	Universidad de Castilla-La Mancha	Contratado postdoctoral Juan de la Cierva	05/06/2012
4	Universidad de Castilla-La Mancha	Contratado postdoctoral Castilla-La Mancha	01/07/2010
5	Museo Nacional de Ciencias Naturales	Contratado con cargo a proyecto	15/01/2010
6	Grupo Tragsa	Contratado autónomo	11/09/2009
7	Centro de Quintos de Mora	Contratado autónomo	01/10/2008
8	Centro de Quintos de Mora	Contratado autónomo	01/02/2008
9	Estación Experimental de Zonas Áridas	Becario predoctoral FPI	01/05/2003

- 1** **Employing entity:** Universidad de Alcalá **Type of entity:** University
Professional category: Post-doctoral
Start-End date: 05/03/2018 - 04/03/2019 **Duration:** 1 year
- 2** **Employing entity:** CIBIO - Research Center in Biodiversity and Genetic Resources **Type of entity:** R&D Centre
Professional category: Post-doctoral
Start-End date: 01/11/2015 - 31/10/2017 **Duration:** 2 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)



- 3** **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University
Professional category: Contratado postdoctoral Juan de la Cierva **Educational Management (Yes/No):** Yes
Start-End date: 05/06/2012 - 04/06/2015 **Duration:** 3 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Field of management activity: University
- 4** **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University
Professional category: Contratado postdoctoral Castilla-La Mancha
Start-End date: 01/07/2010 - 04/06/2012 **Duration:** 1 year - 11 months - 4 days
Type of contract: Grant-assisted student (pre or post-doctoral, others)
- 5** **Employing entity:** Museo Nacional de Ciencias Naturales **Type of entity:** State agency
Professional category: Contratado con cargo a proyecto
Start-End date: 15/01/2010 - 30/06/2010 **Duration:** 5 months - 15 days
Type of contract: Temporary employment contract
- 6** **Employing entity:** Grupo Tragsa **Type of entity:** Business
Professional category: Contratado autónomo
Start-End date: 11/09/2009 - 30/11/2009 **Duration:** 1 month - 19 days
- 7** **Employing entity:** Centro de Quintos de Mora **Type of entity:** Public Research Body
Professional category: Contratado autónomo
Start-End date: 01/10/2008 - 31/10/2008 **Duration:** 1 month
- 8** **Employing entity:** Centro de Quintos de Mora **Type of entity:** Public Research Body
Professional category: Contratado autónomo
Start-End date: 01/02/2008 - 30/06/2008 **Duration:** 5 months
- 9** **Employing entity:** Estación Experimental de Zonas Áridas **Type of entity:** State agency
Professional category: Becario predoctoral FPI
Start-End date: 01/05/2003 - 30/04/2007 **Duration:** 4 years



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Biológicas Especialidad Zoología

Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid

Date of qualification: 06/10/2000

Doctorates

Doctorate programme: Biología Animal y Antropología

Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid

Date of degree: 19/05/2009

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	A1	A1	A1	A1	A1
Portuguese	B1	C1	B1	B1	C2

Teaching experience

General teaching experience

- Type of teaching:** Official teaching
Name of the course: Biogeografía 2020/2021
Type of programme: Bachelor's degree **Type of teaching:** Practical work (classroom-problems)
University degree: Grado en Ciencias Biológicas
End date: 2021
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 44
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Biológicas
- Type of teaching:** Official teaching
Name of the course: Etología 2020/2021
Type of programme: Bachelor's degree **Type of teaching:** Practical work (classroom-problems)



University degree: Grado en Ciencias Biológicas

End date: 2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 8

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

3 Type of teaching: Official teaching

Name of the course: Zoología 2020/2021

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Grado en Ciencias Biológicas

End date: 2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 13

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

4 Type of teaching: Official teaching

Name of the course: Impacto de las Obras Públicas sobre la Fauna 2020/2021

Type of programme: Master's degree

Type of teaching: In person theory

University degree: Master en Biología de la Conservación

End date: 2021

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 15

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

5 Type of teaching: Official teaching

Name of the course: Zoología

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Grado en Ciencias Biológicas

End date: 2020

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 80

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

6 Type of teaching: Official teaching

Name of the course: Restauración de zonas afectadas por obras civiles

Type of programme: Master's degree

Type of teaching: In person theory

University degree: Master en Restauración de Ecosistemas

End date: 2019

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

7 Type of teaching: Official teaching

Name of the course: Métodos en Conservación y Biodiversidad

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Grado en Ciencias Biológicas



End date: 2018

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 18

Entity: Universidad de Alcalá

Type of entity: University

Faculty, institute or centre: Facultad de Biología

8 Type of teaching: Official teaching

Name of the course: Métodos en Conservación y Biodiversidad

Type of programme: Bachelor's degree

Type of teaching: In person theory

University degree: Grado en Ciencias Biológicas

End date: 2018

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1

Entity: Universidad de Alcalá

Type of entity: University

Faculty, institute or centre: Facultad de Biología

9 Type of teaching: Official teaching

Name of the course: Restauración de zonas afectadas por obras civiles

Type of programme: Master's degree

Type of teaching: In person theory

University degree: Master en Restauración de Ecosistemas

End date: 2018

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 4

Entity: Universidad Complutense de Madrid

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias Biológicas

10 Type of teaching: Official teaching

Name of the course: Zoología 2014/2015

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2015

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 60

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

11 Type of teaching: Official teaching

Name of the course: Zoología 2013/2014

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2014

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 80

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

12 Type of teaching: Official teaching

Name of the course: Dinámica de poblaciones 2012/2013

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2013



Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 20

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

13 Type of teaching: Official teaching

Name of the course: Zoología 2012/2013

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2013

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 60

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

14 Type of teaching: Official teaching

Name of the course: Dinámica de poblaciones 2011/2012

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2012

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 10

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

15 Type of teaching: Official teaching

Name of the course: Zoología 2011/2012

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2012

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 50

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

16 Type of teaching: Official teaching

Name of the course: Dinámica de poblaciones 2010/2011

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2011

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 20

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

17 Type of teaching: Official teaching

Name of the course: Principios de la Conservación Biológica 2010/2011

Type of programme: Bachelor's degree

Type of teaching: Practical work (classroom-problems)

University degree: Licenciatura en Ciencias Ambientales

End date: 2011

Type of hours/ ECTS credits: Hours



Hours/ECTS credits: 20

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Impacto de las carreteras sobre las relaciones depredador-presa
Type of project: Doctoral thesis
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Pablo Quiles
Date of reading: 2024
- 2** **Project title:** Reversibilidad del cambio climático y punto de no retorno
Type of project: Degree project
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Adrián Rodríguez
Date of reading: 2020
- 3** **Project title:** Estudio del fototrampeo en la Península Ibérica: una revisión bibliográfica
Type of project: Master project
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Fernando Sanz
Date of reading: 2020
- 4** **Project title:** ¿Sirve la ciencia ciudadana para detectar los mismos patrones de abundancia y diversidad de aves que encuentran los especialistas?
Type of project: Master project
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: Sofía Galván
Date of reading: 2020
- 5** **Project title:** Proyectos de reintroducción del águila pescadora
Type of project: Degree project
Entity: Universidad Alcalá
Student: Marta Rojo
Date of reading: 2019
- 6** **Project title:** Impacto de las carreteras y vías férreas sobre la estructuración genética de las poblaciones animales
Type of project: Master project
Entity: Universidad Complutense de Madrid **Type of entity:** University
Student: David Garrido García
Date of reading: 2019
- 7** **Project title:** Cambios en el solapamiento temporal entre mesocarnívoros: influencia de la abundancia de presas y factores antrópicos
Type of project: Master Project
Co-director of thesis: Emilio Virgós
Entity: Universidad Rey Juan Carlos **Type of entity:** University
Student: Javier Hernández Hernández



Date of reading: 2018

- 8** **Project title:** Efectos de la gestión forestal del pinar de Quintos de Mora (Los Yébenes, Toledo) sobre los patrones de selección de hábitat de nidificación y reproducción de las rapaces forestales diurnas

Type of project: End of course project

Co-director of thesis: Juan José Sanz Cid

Entity: Universidad de Castilla-La Mancha

Type of entity: University

Student: Patricia Bravo

Obtained qualification: Sobresaliente

Date of reading: 2014

Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** Impacto de las carreteras sobre las relaciones depredador-presa - Talento CAM 2018

Entity where project took place: Universidad Complutense de Madrid **Type of entity:** University

Name principal investigator (PI, Co-PI....): Rafael Barrientos Yuste

Nº of researchers: 1

Funding entity or bodies:

Universidad Complutense de Madrid **Type of entity:** University

City funding entity: Madrid, Community of Madrid, Spain

Comunidad de Madrid **Type of entity:** Comunidad Autónoma

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 05/03/2019 - 04/03/2023

Total amount: 401.358,35 €

- 2** **Name of the project:** Construcción del nido y comportamiento de incubación en aves trogloditas: mecanismos de respuesta ante cambios ambientales

Entity where project took place: Museo Nacional de Ciencias Naturales **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Juan José Sanz

Nº of researchers: 2

Funding entity or bodies:

Ministerio de Economía y Competitividad

Start-End date: 01/01/2015 - 31/12/2017 **Duration:** 3 years

Total amount: 102.850 €

- 3** **Name of the project:** Estudio de los atropellos de turón en el valle del Tajo: sobre la estabilidad de los puntos negros y las variables que los determinan – Segunda parte

Entity where project took place: CIBIO - Research Center in Biodiversity and Genetic Resources

City of entity: Lisboa, Portugal

Name principal investigator (PI, Co-PI....): Rafael Barrientos

Nº of researchers: 2

**Funding entity or bodies:**

SECEM Sociedad Española para la Conservación y Estudio de los Mamíferos **Type of entity:** Associations and Groups

City funding entity: Málaga, Spain

Start-End date: 01/01/2016 - 31/12/2016

Total amount: 400 €

- 4 Name of the project:** Estudio de los atropellos de turón en el valle del Tajo: sobre la estabilidad de los puntos negros y las variables que los determinan

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Spain

Name principal investigator (PI, Co-PI....): Rafael Barrientos

Nº of researchers: 2

Funding entity or bodies:

SECEM Sociedad Española para la Conservación y Estudio de los Mamíferos **Type of entity:** Associations and Groups

City funding entity: Málaga, Spain

Start-End date: 01/01/2015 - 31/12/2015

Total amount: 400 €

- 5 Name of the project:** Rasgos del ciclo vital y diversidad genética de aves insectívoras en bosques fragmentados en relación al cambio climático

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Castile-La Mancha, Spain

Name principal investigator (PI, Co-PI....): Juan José Sanz

Nº of researchers: 3

Funding entity or bodies:

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

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2011 - 31/12/2013

Total amount: 66.550 €

- 6 Name of the project:** Impactos ecológicos del cambio climático en aves forestales: el papel de la fragmentación del hábitat y su diversidad genética

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Castile-La Mancha, Spain

Name principal investigator (PI, Co-PI....): Juan José Sanz

Nº of researchers: 3

Funding entity or bodies:

Junta de Comunidades de Castilla - La Mancha **Type of entity:** Organismo

City funding entity: Toledo, Castile-La Mancha, Spain

Start-End date: 01/04/2010 - 31/12/2013

Total amount: 110.000 €

- 7 Name of the project:** Impactos humanos sobre la dinámica de población de la avutarda

Entity where project took place: Museo Nacional de Ciencias Naturales **Type of entity:** State agency



City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Juan Carlos Alonso

Nº of researchers: 14

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Organismo

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2009 - 31/12/2013

Total amount: 502.150 €

- 8 Name of the project:** Variabilidad fenotípica y patrones de interconexión poblacional en el Camachuelo Trompetero Bucanetes githagineus

Entity where project took place: Estación Experimental de Zonas Áridas

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Eulalia Moreno

Nº of researchers: 5

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Start-End date: 01/01/2006 - 31/12/2008

Total amount: 85.000 €

- 9 Name of the project:** Estudio sanitario del turón en Toledo: implicaciones para la conservación de una especie "de interés especial"

Entity where project took place: Universidad de Alcalá

Type of entity: University

Name principal investigator (PI, Co-PI....): Rafael Barrientos

Nº of researchers: 3

Funding entity or bodies:

Junta de Comunidades de Castilla - La Mancha

Type of entity: Organismo

City funding entity: Toledo, Castile-La Mancha, Spain

Start-End date: 01/02/2005 - 31/12/2005

Total amount: 3.005 €

- 10 Name of the project:** Estudio de una especie de reciente colonización, Bucanetes githagineus, indicadora de zonas áridas: ecogenética, ecomorfología, ecofisiología e implicaciones para su conservación

Entity where project took place: Estación Experimental de Zonas Áridas

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Eulalia Moreno

Nº of researchers: 3

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Organismo

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2003 - 31/12/2005

Total amount: 39.675 €

- 11 Name of the project:** Problemas de conservación del turón (Mustela putorius) en la provincia de Toledo: estudio detallado de los atropellos y necropsia de los ejemplares

Entity where project took place: Universidad de Alcalá

Type of entity: University

Name principal investigator (PI, Co-PI....): Luis Bolonio



Nº of researchers: 2

Funding entity or bodies:

Junta de Comunidades de Castilla - La Mancha

Type of entity: Organismo

City funding entity: Toledo, Castile-La Mancha, Spain

Start-End date: 01/02/2004 - 31/07/2004

Total amount: 3.000 €

12 Name of the project: Estudio de la distribución, selección de hábitat y problemas de conservación del turón (*Mustela putorius*) en el tramo central del valle del Tajo a su paso por la provincia de Toledo

Entity where project took place: Universidad de Alcalá **Type of entity:** University

Name principal investigator (PI, Co-PI....): Luis Bolonio

Nº of researchers: 2

Funding entity or bodies:

Junta de Comunidades de Castilla - La Mancha

Type of entity: Organismo

City funding entity: Toledo, Castile-La Mancha, Spain

Start-End date: 01/02/2003 - 01/12/2003

Total amount: 1.856 €

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

1 Name of the project: Asesoramiento sobre medidas preventivas y compensatorias para reducir el impacto del parque eólico Santa María de las Fuentes, localizado en Astudillo (Palencia), sobre el aguilucho cenizo

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Rafael Barrientos

Nº of researchers: 1

Participating entity/entities: Universidad Complutense de Madrid

Funding entity or bodies:

Villar Mir Energía

City funding entity: Madrid, Spain

Start date: 15/06/2020

Duration: 1 month

Total amount: 1.000 €

2 Name of the project: Infraestructuras de Portugal Biodiversity Chair

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Henrique M Pereira; Luis Borda-de-Água

Nº of researchers: 2

Funding entity or bodies:

Infraestructuras de Portugal

Type of entity: Business

City funding entity: Lis, Portugal

Start date: 01/07/2015

Duration: 2 years

Total amount: 320.000 €

3 Name of the project: Atlas de anfibios y reptiles del centro Quintos de Mora

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Rafael Barrientos Yuste

Nº of researchers: 1

Funding entity or bodies:



Organismo Autónomo de Parques Nacionales **Type of entity:** Others
City funding entity: San Sebastián de la Gomera, Canary Islands, Spain
Start date: 01/02/2009 **Duration:** 10 months
Total amount: 13.920 €

4 Name of the project: Influencia de la gestión forestal sobre la comunidad de rapaces y otras aves de interés en el centro Quintos de Mora

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI...): Rafael Barrientos Yuste

Nº of researchers: 1

Funding entity or bodies:

Organismo Autónomo de Parques Nacionales **Type of entity:** Others

City funding entity: San Sebastián de la Gomera, Canary Islands, Spain

Start date: 01/02/2008

Duration: 10 months

Total amount: 12.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Rafael Barrientos; Rodrigo Megia-Palma. Associated costs of mitigation-driven translocation in small lizards. Amphibia-Reptilia - 2nd review. pp. 2nd Review. 2021.
Type of production: Scientific paper
- 2** Pablo Quiles; Fernando Ascensão; Marcello D'Amico; Eloy Revilla; Rafael Barrientos. Atlas data do not mirror road-kill patterns. Under review. 2021.
Type of production: Scientific paper **Format:** Journal
- 3** Fernando Ascensão; 4 authors; Rafael Barrientos; 15 authors; César Capinha. Distribution of alien terrestrial vertebrates in the Iberian Peninsula. NeoBiota. pp. In press. 2021.
Type of production: Scientific paper
- 4** Taqiyeddine Bensouilah; Rafael Barrientos. Greenfinches nesting in Algerian orchards delayed their breeding and produced less fledglings in the driest of two years. Journal of Arid Environments. 184 - 104312, 2021.
Type of production: Scientific paper
- 5** Fernando Ascensão; Marcello D'Amico; Rafael Barrientos. Planet of the apes? Assessing priority areas and species affected by linear infrastructures. International Journal of Primatology - 2nd review. 2021.
Type of production: Scientific paper
- 6** Alec P Christie; 6 authors; Rafael Barrientos; 51 authors; William J. Sutherland. Quantifying and addressing the prevalence and bias of study designs in the environmental and social sciences. Nature Communications. pp. In press. 2021.
Type of production: Scientific paper



- 19** Paloma Ruiz-Benito; Enrique Andivia; Juliette Archambeau; Julen Astigarraga; Rafael Barrientos; Verónica Cruz-Alonso; Margarita Florencio; Daniel Gómez; Loreto Martínez-Baroja; Pablo Quiles; Zöe Rohrer; Ana Santos; Elena Velando; Sara Villén-Pérez; Ignacio Morales-Castilla. Ventajas de la estadística bayesiana frente a la frecuentista: ¿por qué nos resistimos a usarla?. *Ecosistemas*. 27 - 2, pp. 136 - 139. 2018.
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- 20** Mohamed Kouidri; Ala-Eddine Adamou; Mohamed Laid Ouakid; Rafael Barrientos. Breeding biology of the Trumpeter Finch (*Bucanetes githagineus*) in the Saharan Atlas of Algeria. *Journal of Arid Environments*. 144, pp. 212 - 215. 2017.
Type of production: Scientific paper **Format:** Journal
- 21** Javier Bueno-Enciso; Rafael Barrientos; Juan J Sanz. Differences in incubation behaviour as regards two sympatric populations of cavity nester bird species. *Acta Ornithologica*. 52, pp. 21 - 34. 2017.
Type of production: Scientific paper **Format:** Journal
- 22** Javier Bueno-Enciso; Esperanza S Ferrer; Rafael Barrientos; Juan J Sanz. Do extended incubation recesses carry fitness costs in two cavity-nesting birds?. *Journal of Field Ornithology*. 88, pp. 146 - 155. 2017.
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Type of production: Scientific paper **Format:** Journal
- 24** Javier Bueno-Enciso; Esperanza S Ferrer; Rafael Barrientos; Juan José Sanz. Effect of the nestbox type on the breeding performance of two secondary hole-nesting passerines. *Journal of Ornithology*. 157, pp. 759 - 772. 2016.
Type of production: Scientific paper **Format:** Journal
- 25** Javier Bueno-Enciso; Esperanza S Ferrer; Rafael Barrientos; Juan José Sanz. Habitat fragmentation influences nestling growth in Mediterranean blue and great tits. *Acta Oecologica*. 70, pp. 129 - 137. 2016.
Type of production: Scientific paper **Format:** Journal
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- 27** Rafael Barrientos; Javier Bueno-Enciso; Juan J Sanz. Hatching asynchrony vs. foraging efficiency: the response to food availability in specialist vs. generalist tit species. *Scientific Reports*. 6 - 37750, 2016.
Type of production: Scientific paper **Format:** Journal
- 28** Esperanza S; Vicente; Javier; Rafael; Eva; Conchi; Juan J; Joaquín. The influence of landscape configuration and environment on population genetic structure in a sedentary passerine: insights from loci located in different genomic regions. *Journal of Evolutionary Biology*. 29, pp. 205 - 219. 2016.
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- 30** Rafael Barrientos; Javier Bueno-Enciso; Eva Serrano-Davies; Juan José Sanz. Facultative interspecific brood parasitism in tits: a last resort to coping with nest-hole shortage. *Behavioral Ecology and Sociobiology*. 69, pp. 1603 - 1615. 2015.
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- 31** Vicente García-Navas; Esperanza S Ferrer; Conchi Cáliz-Campal; Javier Bueno-Enciso; Rafael Barrientos; Juan José Sanz; Joaquin Ortego. Spatiotemporal and genetic contingency of extra-pair behaviour in a songbird. *Animal Behaviour*. 106, pp. 157 - 169. 2015.
Type of production: Scientific paper **Format:** Journal
- 32** Rafael Barrientos; Valera Francisco; Andrés Barbosa; Carmen C Carrillo; Eulalia Moreno. Biogeography of haemo- and ectoparasites of an arid-land bird, the Trumpeter finch. *Journal of Arid Environments*. 106, pp. 11 - 17. 2014.
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- 36** Sara Varela; Eduardo Casabella; José A Palomar; Juan A Arce; José C González; Rafael Barrientos. Proyecto AVIS: a Spanish open access bird database available for research. *Frontiers of Biogeography*. 6, pp. 185 - 190. 2014.
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- 44** Eulalia Moreno; Andrés Barbosa; Francisco Valera; Jesús Benzal; Carmen Carrillo; Rafael Barrientos; Lorenzo García. Tras la pista de un recién llegado: ¿de dónde vienen -y adónde van- los camachuelos trompeteros?. *Etología*. 22, pp. 39 - 49. 2010.
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- 60** Rafael Barrientos; Iñigo Zuberogoitia; Guillermo Carmona; Salvador Salvador; Carlos Palacín; Emilio Virgós. ¿Qué sabemos y qué no del turón en España? Una especie insuficientemente conocida. *Quercus*. 421, pp. In press. 2021.
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DOI: DOI 10.1007/978-3-319-57496-7
Type of production: Scientific book or monograph **Format:** Book
Position of signature: 2 **Degree of contribution:** Editor or co-editor
Total no. authors: 4
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- 68** Rafael Barrientos; Pablo Prieto. Atlas de anfibios y reptiles del centro Quintos de Mora. 2009.
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Works submitted to national or international conferences

- 1** **Title of the work:** Are large scale citizen science data precise enough to determine road-kill patterns?
Name of the conference: IENE 2020 International Conference
City of event: Évora, Portugal
Date of event: 2021
End date: 2021
Organising entity: IENE, Infra Eco Network Europe
Pablo Quiles; Fernando Ascensão; Marcello D'Amico; Eloy Revilla; Rafael Barrientos.
- 2** **Title of the work:** Road proximity affects reproductive investment in lizards: a two-years translocation experiment
Name of the conference: IENE 2020 International Conference
City of event: Évora, Portugal
Date of event: 2021
Organising entity: IENE, Infra Eco Network Europe
Rodrigo Megía-Palma; Rafael Barrientos.
- 3** **Title of the work:** Towards next level in Road Ecology: from counting road-kills to assessing population impacts
Name of the conference: IENE 2020 International Conference
City of event: Évora, Portugal
Date of event: 2021
Organising entity: IENE, Infra Eco Network Europe
Rafael Barrientos; Fernando Ascensão; Marcello D'Amico; Clara Grilo; Henrique Pereira.
- 4** **Title of the work:** ¿Pueden los datos de ciencia ciudadana detectar patrones en los atropellos de fauna?
Name of the conference: XIV Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Jaca, Spain
Date of event: 2019
Organising entity: SECSEM
Pablo; Fernando; Marcello; Eloy; Rafael.
- 5** **Title of the work:** Ecología de Carreteras en el European Journal of Wildlife Research: una nueva Topical Collection y un llamamiento para datos de mortalidad en mamíferos
Name of the conference: XIV Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Jaca, Spain
Date of event: 2019
Organising entity: SECSEM
Marcello; Fernando; Rafael; Christian.
- 6** **Title of the work:** Hacia una evaluación del riesgo a escala global de los impactos que las carreteras tienen sobre los Mustélidos
Name of the conference: XIV Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Jaca, Spain
Date of event: 2019
Organising entity: SECSEM



Fernando; Marcello; Rafael; Henrique M Pereira; Eloy.

- 7** **Title of the work:** Prioritizing species and areas by estimating potential population-level impacts by linear infrastructures
Name of the conference: 29th International Congress for Conservation Biology (ICCB)
City of event: Kuala Lumpur, Malaysia
Date of event: 2019
Organising entity: Society for Conservation Biology
Marcello D'Amico; Ricardo Martins; José Manuel Álvarez-Martínez; Miguel Porto; Rafael Barrientos; Francisco Moreira.
- 8** **Title of the work:** Railway Ecology: impacts and solutions within an African perspective
Name of the conference: African Conference for Linear Infrastructure and Ecology
City of event: Kruger National Park, South African Republic
Date of event: 2019
Organising entity: Endangered Wildlife Trust
Rafael Barrientos; Fernando Ascensão; Pedro Beja; Henrique M Pereira; Luis Borda-de-Água.
- 9** **Title of the work:** Road Ecology on the European Journal of Wildlife Research: a new Topical Collection and a call for mortality data
Name of the conference: 29th International Congress for Conservation Biology 2019
City of event: Lumpur, Malaysia
Date of event: 2019
Organising entity: Society for Conservation Biology
Marcello; Fernando; Rafael; Christian.
- 10** **Title of the work:** Road Ecology on the European Journal of Wildlife Research: a new Topical Collection and a call for mortality data in birds
Name of the conference: 20th Italian Congress for Ornithology (CIO)
City of event: Naples, Italy
Date of event: 2019
Organising entity: Italian Centre for Ornithological Studies
Marcello D'Amico; Fernando Ascensão; Rafael Barrientos; Cristian Gortázar.
- 11** **Title of the work:** Road Ecology on the European Journal of Wildlife Research: a new Topical Collection calling for African studies
Name of the conference: African Conference for Linear Infrastructure and Ecology
City of event: South African Republic
Date of event: 2019
Organising entity: Endangered Wildlife Trust
Marcello; Fernando; Rafael; Christian.
- 12** **Title of the work:** Road proximity may compromise antiparasitic response and fat storage in a generalist lizard: A translocation field experiment
Name of the conference: African Conference for Linear Infrastructure and Ecology
City of event: Kruger National Park, South African Republic
Date of event: 2019
Organising entity: Endangered Wildlife Trust
Rafael Barrientos; Rodrigo Megía-Palma.



- 13** **Title of the work:** The impact of linear infrastructures on birds: an upgrade to population- and ecosystem-level research
Name of the conference: 20th Italian Congress for Ornithology (CIO)
City of event: Naples, Italy
Date of event: 2019
Organising entity: Italian Centre for Ornithological Studies
Marcello D'Amico; Fernando Ascensão; Rafael Barrientos.
- 14** **Title of the work:** Understanding the drivers of bird collision with power lines: what we know (and don't know) after 40 years of research
Name of the conference: 15th European Ecological Federation (EEF) Congress
City of event: Lisbon, Portugal
Date of event: 2019
Organising entity: European Ecological Federation **Type of entity:** Associations and Groups
Joana; Ketjil; Rafael; James; Ana Teresa Marques; Ricardo; Jessica; Joao Paulo Silva; Francisco.
- 15** **Title of the work:** Frontiers for conservation: Targeting European borders as conservation areas
Name of the conference: IENE 2018 International Conference
City of event: Eindhoven, Holland
Date of event: 2018
End date: 2018
Organising entity: IENE, Infra Eco Network Europe
Henrique M Pereira; Eloy; Rafael; Fernando; Marcello.
- 16** **Title of the work:** Frontiers for conservation: targeting European borders as conservation areas
Name of the conference: International Congress for Conservation Biology 2018
City of event: Jyvaskyla, Finland
Date of event: 2018
Organising entity: Society for Conservation Biology
Fernando; Marcello; Rafael; Eloy; Henrique M Pereira.
- 17** **Title of the work:** Where is Road Ecology going?
Name of the conference: International Congress for Conservation Biology 2018
City of event: Jyvaskyla, Finland
Date of event: 2018
Organising entity: Society for Conservation Biology
Rafael; Fernando; Marcello; Luís; Henrique M Pereira.
- 18** **Title of the work:** A meta-analysis of carcass disappearance field experiments in conservation biology with guidelines for future trials
Name of the conference: ICOET, International Conference on Ecology and Transportation - 2017
City of event: Salt Lake City, United States of America
Date of event: 2017
Organising entity: Utah and Wyoming Departments of Transportation
Rafael Barrientos; Ricardo Martins; Fernando Ascensão; Marcello D'Amico; Francisco Moreira; Luis Borda-de-Água; Henrique M Pereira.
- 19** **Title of the work:** El impacto sinérgico de diferentes infraestructuras lineales en la probabilidad de presencia de mamíferos
Name of the conference: XIII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos



City of event: Guadalajara, Spain
Date of event: 2017
Organising entity: SECEM
Marcello; Fernando; Rafael; Francisco.

- 20** **Title of the work:** Impacto de las estructuras ferroviarias sobre los mamíferos
Name of the conference: XIII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Guadalajara, Spain
Date of event: 2017
Organising entity: SECEM
Rafael Barrientos; Fernando Ascensão; Pedro Beja; Henrique Pereira; Luis Borda-de-Água.
- 21** **Title of the work:** New perspectives in Road ecology: the need for a switch to population- and ecosystem-level research
Name of the conference: Road Ecology experiences Research, planning and design for the ecological sustainability of infrastructures
City of event: Pettorano sul Gizio, Italy
Date of event: 2017
Organising entity: Centro Studi per le Reti Ecologiche
Marcello D'Amico; Fernando Ascensão; Rafael Barrientos.
- 22** **Title of the work:** Pandora's flying box - *Borrelia burgdorferi* s.l. prevalence in Ixodes species from birds throughout Europe
Name of the conference: International Symposium on Tick-Borne Pathogens and Disease
City of event: Vienna, Austria
Date of event: 2017
Organising entity: Austrian Society for Hygiene, Microbiology and Preventive Medicine (ÖGHMP)
Claudia Norte; 38 autores; Rafael Barrientos; Isabel Lopes de Carvalho.
- 23** **Title of the work:** Predicting wildlife-vehicle collisions using occupancy models
Name of the conference: ICOET, International Conference on Ecology and Transportation - 2017
Corresponding author: Yes
City of event: Salt Lake City, United States of America
Date of event: 2017
Organising entity: Utah and Wyoming Departments of Transportation
Fernando Ascensão; Mario Ferreira; Rodrigo Augusto; Rafael Barrientos.
- 24** **Title of the work:** Road-kill patterns in a community of Mediterranean carnivores
Name of the conference: Road Ecology experiences Research, planning and design for the ecological sustainability of infrastructures
City of event: Pettorano sul Gizio, Italy
Date of event: 2017
Organising entity: Centro Studi per le Reti Ecologiche
Rafael.
- 25** **Title of the work:** Asincronía de eclosión vs. eficiencia en el aprovisionamiento: la respuesta a la disponibilidad de alimento en páridos especialista vs. generalista
Name of the conference: Eco-Etología 2016
City of event: Granada, Spain
Date of event: 2016



Organising entity: Sociedad Española de Etología y Ecología Evolutiva
Type of entity: Associations and Groups
Rafael Barrientos; Javier Bueno-Enciso; Juan J Sanz.

- 26** **Title of the work:** On the identification of high mortality rate hotspots
Name of the conference: IENE, Infra Eco Network Europe 2016
City of event: Lyon, France
Date of event: 2016
Organising entity: IENE, Infra Eco Network Europe
Luis Borda-de-Água; Fernando Ascensão; Rafael Barrientos; Henrique M Pereira.
- 27** **Title of the work:** On the identification of high mortality rate hotspots
Name of the conference: iDiv Annual Conference 2016
City of event: Leipzig, Germany
Date of event: 2016
Organising entity: German Centre for Integrative Biodiversity Research (iDiv)
Luis; Rafael; Henrique M Pereira.
- 28** **Title of the work:** Road-kill hot spots can change over the time, variables explaining them do not
Name of the conference: IENE, Infra Eco Network Europe 2016
City of event: Lyon, France
Date of event: 2016
Organising entity: IENE, Infra Eco Network Europe
Rafael Barrientos; Mireia Plaza.
- 29** **Title of the work:** Estudio sobre la toxicidad por metales pesados en visón americano y nutria ¿Es el invasor visón americano más resistente a ellos que una especie autóctona como la nutria?
Name of the conference: XII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Burgos, Spain
Date of event: 2015
Organising entity: SECEM
Mireia Plaza; Santiago Palazón; Jordi Torres; Carles Feliú; Sisco Mañas; Rafael Barrientos; Jordi Ruiz-Olmo.
- 30** **Title of the work:** Habitat fragmentation influences nestling growth in Mediterranean Blue Tits and Great Tits
Name of the conference: Conference of the European Ornithologists' Union 2015
City of event: Badajoz, Spain
Date of event: 2015
Organising entity: European Ornithologists' Union
Type of entity: Associations and Groups
Javier Bueno-Enciso; Esperanza S Ferrer; Rafael Barrientos; Eva Serrano-Davies; Juan José Sanz.
- 31** **Title of the work:** Los puntos negros de atropellos de turón pueden variar con el tiempo, la importancia de las variables que los explican no
Name of the conference: XII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Burgos, Spain
Date of event: 2015
Organising entity: SECEM
Rafael Barrientos; Mireia Plaza.



- 32** **Title of the work:** Road-kill black spots can change over the time, variables explaining them do not
Name of the conference: iDiv Annual Conference 2015
City of event: Leipzig, Germany
Date of event: 2015
Organising entity: German Centre for Integrative Biodiversity Research (iDiv)
City organizing entity: Leipzig,
Rafael Barrientos; Mireia Plaza.
- 33** **Title of the work:** Habitat degradation affects song performance in a population of Great tits (*Parus major*)
Name of the conference: XXII Congreso Español de Ornitología
City of event: Madrid, Spain
Date of event: 2014
Organising entity: Sociedad Española de Ornitología
Type of entity: Associations and Groups
Javier Bueno-Enciso; Esperanza S. Ferrer; Rafael Barrientos; Juan J Sanz.
- 34** **Title of the work:** Puestas mixtas en páridos: un último recurso en hábitats fragmentados
Name of the conference: XV Congreso Nacional y XII Iberoamericano de Etología
City of event: Barcelona, Spain
Date of event: 2014
Organising entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA
Rafael Barrientos; Javier Bueno-Enciso; Eva Serrano-Davies; Juan José Sanz.
- 35** **Title of the work:** Competencia y desplazamiento trófico entre tres especies de mesocarnívoros: la frugivoría facultativa como signo de plasticidad
Name of the conference: XI Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Avilés, Spain
Date of event: 2013
Organising entity: SECEM
Juan Antonio Arce; Rafael Barrientos.
- 36** **Title of the work:** La expansión del visón americano y el desvío en la proporción de sexos en el turón: implicaciones para su conservación
Name of the conference: XI Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Avilés, Spain
Date of event: 2013
Organising entity: SECEM
Rafael Barrientos.
- 37** **Title of the work:** Efectos de la abundancia de presas, la dieta y la regulación del caudal en el comportamiento de marcaje en una población de nutria
Name of the conference: XIV Congreso Nacional y XI Iberoamericano de Etología
City of event: Sevilla, Spain
Date of event: 2012
Organising entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA
Rafael Barrientos; David Almeida; Raquel Merino-Aguirre; David G Angeler.



- 38** **Title of the work:** Tasa de cebas en el herrerillo común: efectos del tamaño del parche y del sexo de los padres
Name of the conference: XIV Congreso Nacional y XI Iberoamericano de Etología
City of event: Sevilla, Spain
Date of event: 2012
Organising entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA
Rafael Barrientos; Javier Bueno-Enciso; Esperanza S Ferrer; Eva Serrano-Davies; Juan José Sanz.
- 39** **Title of the work:** La importancia del uso de distintas escalas para prevenir atropellos
Name of the conference: X Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Fuengirola, Spain
Date of event: 2011
Organising entity: SECEM
Rafael Barrientos; Luis Bolonio; Juande Miranda.
- 40** **Title of the work:** Efecto del hábitat y del cebo empleado en el éxito de captura de micromamíferos
Name of the conference: IX Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Bilbao, Spain
Date of event: 2009
Organising entity: SECEM
Rafael Barrientos.
- 41** **Title of the work:** Factores ecológicos y biogeográficos relacionados con la proporción de sexo en poblaciones salvajes de turón (*Mustela putorius*)
Name of the conference: VIII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Huelva, Spain
Date of event: 2007
Organising entity: SECEM
Rafael Barrientos.
- 42** **Title of the work:** Trumpeter finch colonization patterns of Europe
Name of the conference: 3rd Biennial Conference of the International Biogeography Society
City of event: Puerto de la Cruz, Spain
Date of event: 2007
Organising entity: International Biogeography Society
Rafael Barrientos; Laura Kvist; Andrés Barbosa; Francisco Valera; Eulalia Moreno.
- 43** **Title of the work:** Influencia de la temperatura ambiental en los parámetros reproductores de Bucanetes githagineus, una ave de zonas áridas
Name of the conference: XI Congreso Nacional y VIII Iberoamericano de Etología
City of event: Puerto de la Cruz, Spain
Date of event: 2006
Organising entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA
Rafael Barrientos; Andrés Barbosa; Francisco Valera; Eulalia Moreno.
- 44** **Title of the work:** Selection of different nesting microhabitat as a response to different predator pools
Name of the conference: 24th International Ornithological Congress
City of event: Hamburgo, Germany



Date of event: 2006

Organising entity: International Ornithological Committee

Andrés Barbosa; Rafael Barrientos; Francisco Valera; Eulalia Moreno.

45 Title of the work: La presencia de conejo y la velocidad de los coches determinan los atropellos de turón

Name of the conference: VII Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos

City of event: Valencia, Spain

Date of event: 2005

Organising entity: SECEM

Rafael Barrientos; Luis Bolonio.

46 Title of the work: Alta predación sobre el Camachuelo Trompetero: ¿por qué la mayoría de las parejas ubican mal su nido?

Name of the conference: X Congreso Nacional y VII Iberoamericano de Etología

City of event: Almería, Spain

Date of event: 2004

Organising entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA

Rafael Barrientos; Francisco Valera; Andrés Barbosa; Eulalia Moreno.

47 Title of the work: Selección de hábitat del Camachuelo Trompetero (*Bucanetes githagineus*)

Name of the conference: XVII Congreso Español de Ornitología

City of event: Madrid, Spain

Date of event: 2004

Organising entity: Sociedad Española de Ornitología

Type of entity: Associations and Groups

Carmen Carrillo; Eulalia Moreno; Francisco Valera; Rafael Barrientos; Lorenzo García; Jesús Benzal; Andrés Barbosa.

48 Title of the work: The resident condition of the Trumpeter finch re-examined by means of stable isotopes

Name of the conference: International Symposium on Ecology and Conservation of steppe-Land Birds

City of event: Lérida, Spain

Date of event: 2004

Organising entity: Centre Tecnològic Forestal de Catalunya

Type of entity: Organismo

Eulalia Moreno; Carmen Carrillo; Francisco Valera; Andrés Barbosa; Jesús Benzal; Lorenzo García; Rafael Barrientos.

49 Title of the work: Badger latrines

Name of the conference: 4th European Congress of Mammalogy

City of event: Brno, Czech Republic

Date of event: 2003

Organising entity: European Society of Mammalogy

Julian G Mangas; Emilio Virgós; Rafael Barrientos; Luis Miguel Rosalino.

50 Title of the work: Selección de hábitat del turón (*Mustela putorius*) en una zona mediterránea: la clave es el conejo

Name of the conference: VI Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos

City of event: Ciudad Real, Spain

Date of event: 2003

Organising entity: SECEM



Rafael Barrientos; Luis Bolonio; Marta Arribas.

- 51** **Title of the work:** Influencia de un embalse sobre la distribución y alimentación de la Nutria (*Lutra lutra* L.) en el río Riaza (Segovia)
Name of the conference: V Jornadas de la Sociedad Española para la Conservación y Estudio de los Mamíferos
City of event: Vitoria, Spain
Date of event: 2001
Organising entity: SECEM
Rafael Barrientos; Teresa Gil; Jesús Hernando; Ángela Iglesias; María Dolores Jiménez; Elena Navarro.

Other dissemination activities

- 1** **Title of the work:** Carcass removal and detectability rates – A meta-analysis
Name of the event: Symposium on Railway Ecology
Type of event: Conferences given
City of event: Lisboa, Portugal
Date of event: 19/12/2016
Organising entity: CIBIO - Research Center in Biodiversity and Genetic Resources
Rafael Barrientos; Ricardo Martins; Fernando Ascensão; Marcello D'Amico; Francisco Moreira; Luis Borda-de-Agua; Henrique M Pereira.
- 2** **Title of the work:** Railways as barriers for wildlife: current knowledge and future steps
Name of the event: Seminário CEF/CEABN
Type of event: Conferences given
City of event: Lisboa, Portugal
Date of event: 22/06/2016
Organising entity: Instituto Superior de Agronomía **Type of entity:** University
Rafael Barrientos.
- 3** **Title of the work:** The conservation of European polecats in central Iberian Peninsula: road-kills and invasive species
Name of the event: Invited talk
Type of event: Conferences given
City of event: Évora, Portugal
Date of event: 16/11/2015
Organising entity: Universidade de Évora
Rafael Barrientos.
- 4** **Title of the work:** The conservation of European polecats in central Iberian Peninsula: road-kills and invasive species
Name of the event: Invited talk
Type of event: Conferences given
City of event: Lisboa, Portugal
Date of event: 14/10/2015
Organising entity: IICT - Instituto de Investigação Científica Tropical **Type of entity:** R&D Centre
City organizing entity: Lisboa, Portugal
Rafael Barrientos.



- 5 Title of the work:** Aves y tendidos eléctricos: problemas y posibles soluciones
Name of the event: Invited talk
Type of event: Conferences given
City of event: Granada, Spain
Date of event: 10/01/2011
Organising entity: Universidad de Granada **Type of entity:** University
Rafael Barrientos.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Analysis of the effectiveness of bird flight diverters for power lines
Affiliation entity: German Federal Agency for Nature Conservation **Type of entity:** State agency
City affiliation entity: Leipzig, Germany
Start-End date: 21/06/2017 - 22/06/2017
- 2 Committee title:** I Congresso Iberoamericano de Biodiversidade e Infraestrutura Viária
Affiliation entity: Universidade Federal de Lavras
City affiliation entity: Lavras, Brazil
Start-End date: 05/11/2016 - 11/11/2016
- 3 Committee title:** Comité Científico del XVII Congreso de Anilladores
Primary (UNESCO code): 240120 - Ornithology
Affiliation entity: Sociedad Española de Ornitología **Type of entity:** Associations and Groups
City affiliation entity: Padul, Spain
Start-End date: 29/10/2011 - 01/11/2011
- 4 Committee title:** Comité Organizador del X Congreso Nacional y VII Iberoamericano de Etología
Primary (UNESCO code): 240100 - Animal Biology (Zoology)
Affiliation entity: SOCIEDAD ESPAÑOLA DE ETOLOGIA
City affiliation entity: Almería, Spain
Start-End date: 21/09/2004 - 24/09/2004

Organization of R&D activities

Title of the activity: Symposium "Railway Ecology"
Type of activity: Workshop
Convening entity: CIBIO - Research Center in Biodiversity and Genetic Resources
City convening entity: Lisboa, Portugal
Start-End date: 19/12/2016 - 19/12/2016 **Duration:** 1 day

R&D management

Name of the activity: Proyecto Avis

Type of management: Group management

Performed tasks: Planteamiento y metodología

Entity: Ciencia ciudadana

Type of entity: Associations and Groups

Start date: 15/08/2005

Average annual budget: 0

Aims of the event: Proyecto AVIS es una iniciativa que tiene como objetivo generar una base de datos de citas de aves (>100.000 actualmente) de España, a partir de los datos suministrados por los usuarios

Geographical area: National

Identify key words: Plants and animal biology and ecology

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Facultad de Biología
Start-End date: 05/03/2019 - 04/03/2023 **Duration:** 4 years
Goals of the stay: Post-doctoral
- 2** **Entity:** Universidad de Alcalá
Start-End date: 05/03/2018 - 04/03/2019 **Duration:** 1 year
Goals of the stay: Post-doctoral
- 3** **Entity:** CIBIO - Research Center in Biodiversity and Genetic Resources
City of entity: Lisboa, Portugal
Start-End date: 01/11/2017 - 28/02/2018 **Duration:** 4 months
Goals of the stay: Post-doctoral
- 4** **Entity:** CIBIO - Research Center in Biodiversity and Genetic Resources **Type of entity:** R&D Centre
Faculty, institute or centre: Polo de Lisboa - Instituto Superior de Agronomía
City of entity: Lisboa, Portugal
Start-End date: 01/11/2015 - 31/10/2017 **Duration:** 2 years
Goals of the stay: Post-doctoral
Provable tasks: Beca postdoctoral en el proyecto Infraestructuras de Portugal Biodiversity Chair
- 5** **Entity:** CIBIO - Research Center in Biodiversity and Genetic Resources
City of entity: Lisboa, Portugal
Start-End date: 01/10/2015 - 30/10/2015 **Duration:** 2 months
Goals of the stay: Post-doctoral
- 6** **Entity:** Universidad de Castilla-La Mancha **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente
Start-End date: 05/06/2012 - 04/06/2015 **Duration:** 3 years



Goals of the stay: Post-doctoral

Provable tasks: Contrato Juan de la Cierva

- 7** **Entity:** Universidad de Castilla-La Mancha **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente
Start-End date: 01/07/2010 - 04/06/2012 **Duration:** 1 year - 11 months - 4 days
Goals of the stay: Post-doctoral
Provable tasks: Beca postdoctoral
- 8** **Entity:** Universidad de Oulu **Type of entity:** University
Faculty, institute or centre: Facultad de Biología
City of entity: Oulu, Finland
Start-End date: 01/01/2012 - 29/02/2012 **Duration:** 2 months
Goals of the stay: Post-doctoral
Provable tasks: Estancia breve postdoctoral
- 9** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Museo Nacional de Ciencias Naturales
Start-End date: 15/01/2010 - 30/06/2010 **Duration:** 5 months - 30 days
Goals of the stay: Contracted
Provable tasks: Contratado con cargo a proyecto
- 10** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Estación Experimental de Zonas Áridas
Start-End date: 01/05/2003 - 30/04/2007 **Duration:** 4 years
Goals of the stay: Doctorate
Provable tasks: Realización de la tesis doctoral
- 11** **Entity:** Universidad de Oulu **Type of entity:** University
Faculty, institute or centre: Facultad de Biología
City of entity: Oulu, Finland
Start-End date: 01/03/2006 - 30/06/2006 **Duration:** 4 months
Goals of the stay: Doctorate
Provable tasks: Estancia breve predoctoral
- 12** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Instituto de Productos Naturales y Agrobiología
Start-End date: 24/01/2005 - 26/04/2005 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Estancia breve predoctoral
- 13** **Entity:** Universidad de Padua **Type of entity:** University
Faculty, institute or centre: Facultad de Biología
City of entity: Padua, Italy
Start-End date: 27/09/2004 - 30/11/2004 **Duration:** 2 months
Goals of the stay: Doctorate
Provable tasks: Estancia breve predoctoral



- 14** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Faculty, institute or centre: Estación Biológica de Doñana
Start-End date: 01/07/1999 - 31/08/1999 **Duration:** 2 months
Goals of the stay: Estudiante
Provable tasks: Voluntariado en el Grupo Carnívoros

Obtained grants and scholarships

- 1** **Name of the grant:** Becas Complutense del Amo
Aims: Post-doctoral
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Conferral date: 01/06/2021 **Duration:** 2 months
End date: 31/07/2021
Entity where activity was carried out: University California - Davis
- 2** **Name of the grant:** Postdoctoral Plan Propio
Awarding entity: Universidad de Alcalá **Type of entity:** University Department
Conferral date: 05/03/2018 **Duration:** 1 year
End date: 04/03/2019
- 3** **Name of the grant:** Bolsa de Pós-Doutoramento
Aims: Post-doctoral
Awarding entity: CIBIO - Research Center in Biodiversity and Genetic Resources (Portugal)
Conferral date: 01/11/2015 **Duration:** 2 years
End date: 30/10/2017
Entity where activity was carried out: CIBIO - Research Center in Biodiversity and Genetic Resources
- 4** **Name of the grant:** Contrato Juan de la Cierva
Aims: Post-doctoral
Awarding entity: Ministerio de Economía y Hacienda **Type of entity:** Ministerio
Conferral date: 05/06/2012 **Duration:** 3 years
End date: 04/06/2015
Entity where activity was carried out: Universidad de Castilla-La Mancha
Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente
- 5** **Name of the grant:** Beca postdoctoral
Aims: Post-doctoral
Awarding entity: Junta de Comunidades de Castilla - La Mancha **Type of entity:** Comunidad Autónoma - La Mancha
Conferral date: 01/07/2010 **Duration:** 1 year - 11 months - 4 days
End date: 04/06/2012
Entity where activity was carried out: Universidad de Castilla-La Mancha
Faculty, institute or centre: Facultad de Ciencias del Medio Ambiente
- 6** **Name of the grant:** Beca FPI
Aims: Pre-doctoral
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 01/05/2003 **Duration:** 4 years



End date: 30/04/2007

Entity where activity was carried out: Estación Experimental de Zonas Áridas

7 Name of the grant: Estancia Breve

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 01/03/2006

Duration: 4 months

End date: 30/06/2006

Entity where activity was carried out: University of Oulu

Faculty, institute or centre: Department of Biology

8 Name of the grant: Estancia Breve

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 24/01/2005

Duration: 3 months

End date: 26/04/2005

Entity where activity was carried out: Instituto de Productos Naturales y Agrobiología

9 Name of the grant: Estancia Breve

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 27/09/2004

Duration: 2 months

End date: 30/11/2004

Entity where activity was carried out: University of Padova

Obtained accreditations/recognitions

1 Description: Acreditación I3 (Programa de Incentivación de la Incorporación e Intensificación de la Actividad Investigadora)

Accrediting entity: Agencia Estatal de Investigación

City accrediting entity: Madrid, Community of Madrid, Spain

Date of recognition: 01/10/2019

2 Description: Acreditación Ayudante Doctor

Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)

City accrediting entity: Spain

Date of recognition: 23/09/2015

3 Description: Acreditación Contratado Doctor

Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)

City accrediting entity: Spain

Date of recognition: 23/09/2015

4 Description: Acreditación Profesor Universidad Privada

Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA) **Type of entity:** State agency

City accrediting entity: Spain

Date of recognition: 23/09/2015