



Clara Bentes Grilo

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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 completed a PhD degree in Conservation Biology at University of Lisbon in 2009. Since then, I coordinated scientific projects funded by Ministries of Science in Portugal and Brazil and others from public and private road agencies in Portugal. I moved to Spain, Brazil and Czech Republic to develop studies and collaborate in a multidisciplinary team of researchers which allowed me to expand the international collaboration network and work closely with some of the world's leading researchers in Applied Ecology.

To date I have published 31 articles with more than 150 different co-authors in international peer-reviewed journals with an accumulated impact factor of 92.76, with over 900 citations (from Google citations, excluding self-citations), and h-index of 13 (Scopus). Of these, 8 are within the 1st quartile of Ecology, 4 within 1st quartile of Ecology, Evolution, Behavior and Systematics, 4 within 1st quartil of Agriculture & Biological Sciences, 2 within the 1st quartil of Biodiversity and Conservation, 1 within the 1st quartil of Environmental Engineering, and 1 within the 1st quartil of Animal Science and Biology.

I published six chapters in international books and co-edited the "Handbook of Road Ecology" comprised of 62 chapters and participation of more than 100 of the world's leading researchers, academics, practitioners and transportation agency personnel from 25 countries. The book received two Awards from the Wildlife Society and the IENE (Infra Eco Network Europe) in 2016. I have presented 40 oral communications in more than 35 national and international scientific meetings from 13 different countries; 15 of which were invited for scientific seminars in Portugal, Spain, France, Czech Republic, Italy, Brazil and New Zealand.

My research is also complemented by several rewarding experiences such as supervising graduate and undergraduated students. Since 2010, I have supervised 2 Msc students, co-supervised 6 Msc students and mentoring several fellowships on the behalf of two projects. Currently, I am supervising 2 PhD students and co-supervising 1 Msc student.

I have been particularly interested in developing and integrating different scientific fields to identify processes and patterns underlying species responses towards environmental changes. Over the last years, much of my research has focused on the effects of road network on birds and mammals, such as behaviour, relative abundance, genetic structure and risk of mortality which provided me a solid knowledge of the theory, principles, and skills necessary to carry projects regarding the effects of human activities on wildlife conservation. Currently, I have been expanding my expertise in the emerging fields of macroecology and individual-



based ecology to further consolidate my research to minimize the anthropogenic impacts on landscape and wildlife.



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.

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Clara Bentes Grilo

Surname(s): **Bentes Grilo**
Name: **Clara**
ORCID: **0000-0001-9870-3115**
ScopusID: **23979931500**
ResearcherID: **H-2002-2012**
Date of birth: **01/09/1972**
Gender: **Female**
Nationality: **Portugal**
Email: **clarabentesgrilo@gmail.com**
Personal web page: **https://www.researchgate.net/profile/Clara_Grilo**

Current professional situation

Employing entity: University Federal of Lavras **Type of entity:** University

Department: Biology

Professional category: Senior Research - external collaborator

Email: clarabentesgrilo@gmail.com

Start date: 01/03/2015

Type of contract: Collaboration

Dedication regime: Part time

Identify key words: Anthropogenic impact on ecosystems

Previous positions and activities

	Employing entity	Professional category	Start date
1	CDV - Transport Research Centre	Senior Researcher	01/04/2018
2	University Federal of Lavras, Brazil	Post-doctoral	01/03/2015
3	Fundação para a Ciencia e Tecnologia, Portugal	Post-doctoral	01/01/2010

1 **Employing entity:** CDV - Transport Research Centre **Type of entity:** R&D Centre

Professional category: Senior Researcher

Start-End date: 01/04/2018 - 31/12/2018

Duration: 9 months

Type of contract: Temporary employment contract

2 **Employing entity:** University Federal of Lavras, Brazil

Professional category: Post-doctoral

Start-End date: 01/03/2015 - 30/11/2017

Duration: 2 years - 9 months

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

3 **Employing entity:** Fundação para a Ciencia e Tecnologia, Portugal

Type of entity: University Research Institute

Professional category: Post-doctoral



Start-End date: 01/01/2010 - 28/02/2015

Duration: 5 years - 1 month

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

Field of management activity: University



Education

University education

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

- 1 **University degree:** Higher degree
Name of qualification: Postgraduation
Degree awarding entity: New University of Lisbon (ISEGI)
Date of qualification: 2003
- 2 **University degree:** Higher degree
Name of qualification: Graduado o Graduada en Biología
Degree awarding entity: University of Lisbon
Date of qualification: 28/07/1998

Doctorates

Doctorate programme: Conservation Biology
Degree awarding entity: Universidade de Lisboa **Type of entity:** University
City degree awarding entity: Lisbon, Lisboa, Portugal
Date of degree: 08/07/2009
Thesis title: Habitat Connectivity for Carnivores in Mediterranean Landscapes: implications for conservation planning
Thesis director: Margarida Santos-Reis

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Portuguese	A1	A1	A1	A1	A1
English	A2	A2	A2	A2	A2
Spanish	B1	B1	B1	B1	B2

Teaching experience



General teaching experience

- 1** **Name of the course:** Applied Ecology
University degree: Posgraduation
Start date: 2015 **End date:** 2017
End date: 2017
Entity: Universidade Federal de Lavras, Brazil **Type of entity:** University
- 2** **Name of the course:** Biology
University degree: Posgraduation
Start date: 2013 **End date:** 2014
End date: 2014
Entity: Universidade Aveiro, Portugal **Type of entity:** University
Faculty, institute or centre: Department of Biology

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** PhD thesis - The effects of roads on felids and on landscape: implications for conservation in Brazil
Entity: University Federal Lavras, Brazil **Type of entity:** University
Student: Rafaela Cerqueira
Date of reading: 2020
- 2** **Project title:** Master thesis - Vulnerability of carbon stock by defaunation in two tropical hotspots.
Entity: University Federal of Lavras **Type of entity:** University
Student: Rute Maria Gonçalves
Date of reading: 03/2019
- 3** **Project title:** Phd Thesis - Effects of Roads on wildlife communities in Latin America
Entity: Universidade Federal de Lavras, Brazil **Type of entity:** University
Student: Fernando Pinto
Date of reading: 2019
- 4** **Project title:** Master thesis - Critical areas for road mitigation: combining source-sink dynamics with road-kill modelling
Entity: University Federal Lavras, Brazil **Type of entity:** University
Student: Priscilla Barbosa
Date of reading: 2017
- 5** **Project title:** Master thesis - Predicting road mortality risk using life traits of birds and mammals
Entity: Universidade Federal Lavras, Brazil **Type of entity:** University
Student: Flavio Ferreira
Date of reading: 2017
- 6** **Project title:** Master thesis - Environmental drivers reveal fragmented spatial patterns of Eurasian badger (Meles meles) occurrence in Portugal
Entity: University of Aveiro, Portugal **Type of entity:** University
Student: Diana Guedes
Date of reading: 2016



- 7** **Project title:** Final year project - Which factors determine the Eurasian badger distribution in Portugal
Entity: University of Aveiro, Portugal **Type of entity:** University
Student: Beatriz Almeida
Date of reading: 2015
- 8** **Project title:** Master thesis - Evaluation of methods to inferring the barrier effect
Entity: University of Aveiro, Portugal **Type of entity:** University
Student: Claudia Figueira
Date of reading: 2015
- 9** **Project title:** Master thesis - The effect of climate change on road mortality
Entity: University of Aveiro, Portugal **Type of entity:** University
Student: Catarina Carvalho
Date of reading: 2015
- 10** **Project title:** Master Thesis - Effects of changing spatial scale and method on the analysis of road-related features on wildlife-vehicle collisions incidence
Entity: University Federal of Lavras **Type of entity:** University
Student: Thalita Cardoso
Date of reading: 2012
- 11** **Project title:** Master thesis - Is there a threshold on traffic volume that change from mortality to barrier effect?
Entity: University Federal of Lavras, Brazil **Type of entity:** University
Student: Flavio Ferreira
Date of reading: 2012
- 12** **Project title:** Master thesis - Dry ledges and small mesh sized fences: do they reduce barrier effect of roads?
Entity: Universidad Pablo de Olavide **Type of entity:** University
Student: Pablo Villalva
Date of reading: 2011

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:** Road Macroecology: analysis tools to assess impacts on biodiversity and landscape structure
Entity where project took place: University Federal Lavras
City of entity: Lavras, Brazil
Name principal investigator (PI, Co-PI....): Alex Bager; Clara Grilo; Manuela Gonzalez-Suarez; Luis Borda-de-Agua
N° of researchers: 4
Funding entity or bodies:
CNPq - Ministerio da Ciencia, Tecnologia, Inovacoes e Comunicacoes
Start-End date: 2014 - 2017
Total amount: 56.157 €
- 2** **Name of the project:** Biodiversity Monitoring in Environmental Assessments – MoBiA
Entity where project took place: University of Lisbon
City of entity: Lisbon, Lisboa, Portugal
Name principal investigator (PI, Co-PI....): Henrique Miguel Pereira; Clara Grilo; Luis Borda-de-Agua
N° of researchers: 3
Funding entity or bodies:
Fundação para a Ciência e Tecnologia
City funding entity: Lisbon, Lisboa, Portugal
Start-End date: 2011 - 2013
Total amount: 193.593 €
- 3** **Name of the project:** Mammals and roads interactions: from shifts in behavior to genetic structures
Entity where project took place: Universidade Lisboa
City of entity: Lisbon, Portugal
Name principal investigator (PI, Co-PI....): Clara Grilo; Eloy Revilla; Jose Godoy; Jacinto Roman
N° of researchers: 4
Funding entity or bodies:
Fundação para a Ciencia e Tecnologia
Type of entity: Foundation
City funding entity: Lisbon, Lisboa, Portugal
Start-End date: 2011 - 2013
Total amount: 197.000 €
- 4** **Name of the project:** Riparian galleries as Corridors and Linkage Habitats in the Fragmented Landscape of Southern Portugal: Applications to Conservation Planning
Entity where project took place: University of Lisbon
Type of entity: R&D Centre
City of entity: Lisbon,



Name principal investigator (PI, Co-PI....): Margarida Santos-Reis; Hugo Matos; Clara Grilo; Maria João Santos

Nº of researchers: 4

Start-End date: 2011 - 2013

Total amount: 150.000 €

5 Name of the project: Wildlife corridors: Spatial modelling of human pressure and its usefulness for Iberian Wolf conservation

Entity where project took place: Instituto Geográfico Português

Type of entity: R&D Centre

City of entity: Lisbon, Lisboa, Portugal

Name principal investigator (PI, Co-PI....): Ana Luisa Gomes; Clara Grilo; Francisco Petrucci-Fonseca; Gonçalo Costa

Nº of researchers: 4

Funding entity or bodies:

Fundação para a Ciencia e Tecnologia

Type of entity: Foundation

City funding entity: Lisbon, Lisboa, Portugal

Start-End date: 2011 - 2013

Total amount: 133.000 €

6 Name of the project: South Douro river wolf population: temporal analysis, public attitudes and ecological corridors

Entity where project took place: University of Lisbon

City of entity: Lisbon, Lisboa, Portugal

Name principal investigator (PI, Co-PI....): Francisco Petrucci-Fonseca

Nº of researchers: 3

Start-End date: 1998 - 2003

Total amount: 150.000 €

7 Name of the project: Basis for the definition of ecological corridors for a fragmented and isolated population: the case of southern Douro river wolf population

Entity where project took place: University of Lisbon

Type of entity: University

City of entity: Lisbon, Lisboa, Portugal

Name principal investigator (PI, Co-PI....): Clara Grilo; Francisco Petrucci-Fonseca; Sofia Silva; Ana Gomes

Nº of researchers: 4

Funding entity or bodies:

Fundação para a Ciencia e Tecnologia

Type of entity: State agency

City funding entity: Lisbon, Lisboa, Portugal

Start-End date: 1998 - 2001

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

- 1** **Name of the project:** Monitoring mortality of vertebrate species on the national portuguese road network
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: University of Lisbon
Name principal investigator (PI, Co-PI...): Clara Grilo; Margarida Santos-Reis
Nº of researchers: 2
Funding entity or bodies:
Estradas de Portugal **Type of entity:** State agency
City funding entity: Lisboa, Lisboa, Portugal
Start date: 2009 **Duration:** 5 years
Total amount: 0 €
- 2** **Name of the project:** Effectiveness of mitigation measures to prevent the negative effects of highways
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI...): Margarida Santos-Reis; Clara Grilo
Nº of researchers: 2
Funding entity or bodies:
BRISA - auto-estradas de Portugal **Type of entity:** Business
City funding entity: Lisbon, Lisboa, Portugal
Start date: 2007 **Duration:** 3 years
Total amount: 200.000 €
- 3** **Name of the project:** Effects of roads on carnivores and measures to minimize the negative impacts
Degree of contribution: Current university student
Name principal investigator (PI, Co-PI...): Clara Grilo; Margarida Santos-Reis
Nº of researchers: 2
Funding entity or bodies:
BRISA - auto-estradas de Portugal
Start date: 2003 **Duration:** 4 years
Total amount: 10.000 €
- 4** **Name of the project:** Monitoring Programme of the Natural Heritage: studies of carnivores biology and ecology
Degree of contribution: Technician
Name principal investigator (PI, Co-PI...): Margarida Santos-Reis; Clara Grilo; Joaquim Pedro Ferreira; Hugo Matos; Maria João Santos; Teresa Salles-Luis
Nº of researchers: 6
Funding entity or bodies:
EDIA **Type of entity:** State agency
City funding entity: Lisbon, Alentejo, Portugal
Start date: 1998 **Duration:** 5 years
Total amount: 500.000 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Tal Polak; Emily Nicholson; Clara Grilo; John Bennet; Hugh Possingham. Optimal planning to mitigate the impacts of roads on multiple species. *Journal of Applied Ecology*. 56 - 1, pp. 201 - 213. 26/01/2019.
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: 5
Relevant publication: Yes
- 2** Clara Grilo; Pablo Lucas; Alberto Fernandez-Gil; Mariana Seara; Gonçalo Costa; Sara Roque; Helena Rio-Maior; Naura Nakamura; Francisco Alvares; Francisco Petrucci-Fonseca; Eloy Revilla. Refuge as major habitat driver for wolf presence in human-modified landscapes. *Animal Conservation*. 05/08/2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 3** Clara Grilo; Michely Coimbra; Andreas Kindel. Brazil road-kill: a data set of wildlife terrestrial vertebrate road-kills. *Ecology*. 99 - 1, pp. 2625 - 2625. 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 4** Fernando Pinto; Alex Bager; Anthony P. Clevenger; Clara Grilo. Giant anteater (*Myrmecophaga tridactyla*) conservation in Brazil: Analysing the relative effects of fragmentation and mortality due to roads. *Biological Conservation*. 228, pp. 148 - 157. 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Relevant publication: Yes
- 5** Manuela Gonzalez-Suarez; Flavio Ferreira; Clara Grilo. Spatial and species-level predictions of road mortality risk using trait data. *Global Ecology and Biogeography*. 27 - 9, pp. 1093 - 1105. 2018.
Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 6** Ana Ceia-Hasse; Luis Borda-de-Agua; Clara Grilo; Henrique Miguel Pereira. Global exposure of carnivores to roads. *Global Ecology and Biogeography*. 26, pp. 592 - 600. 2017.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Relevant publication: Yes

- 7** Clara Grilo; Irene Del Cerro; Alejandro Centeno-Quadros; Victor Ramiro; Guillem Molina-Vacas; Xavier Fernandez-Aguilar; Juan Rodriguez; Flavia Porto-Peter; Jacinto Roman; Carlos Fonseca; Eloy Revilla. Heterogeneous road networks have no apparent effect on the genetic structure of small mammal populations. *Science of the Total Environment*. 565, pp. 706 - 713. 09/2016.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 8** Clara Grilo; Joana Sousa; Fernando Ascensão; Hugo Matos; Inês Leitão; Paula Pinheiro; Monica Costa; João Bernardo; Diana Reto; Rui Lourenço; Margarida Santos-Reis; Eloy Revilla. Individual Spatial Responses towards Roads: Implications for Mortality Risk. *Plos One*. 101371, 2012.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 9** Clara Grilo; John Bissonette; Margarida Santos-Reis. Spatial-temporal patterns in Mediterranean carnivore road casualties: Consequences for mitigation. *Biological Conservation*. 142, pp. 301 - 313. 2009.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 10** Luis Miguel Rosalino; Diana Guedes; Diogo Cabecinha; Ana Serronha; Clara Grilo; Margarida Santos-Reis; Pedro Monterroso; João Carvalho; Carlos Fonseca; Emilio Virgos; Dario Hipolito. Climate and landscape changes as driving forces for future range shift in southern populations of the European badger. *Scientific Report*. 2019.
Type of production: Scientific paper **Format:** Journal
- 11** Clara Grilo; Fernando Pinto; Richard Andrasik; Henrique Miguel Pereira; Anthony Paul Clevenger. Reply: Modeling scenarios of population response to roads as a conservation risk assessment strategy. *Biological Conservation*. 12/2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 12** Clara Grilo; Guillem Molina-Vacas; Xavier Fernandez-Aguilar; Juan Rodriguez; Victor Ramiro; Flavia Porto-Peter; Fernando Ascensão; Jacinto Roman; Eloy Revilla. Species-specific movement traits and specialization determine the spatial responses of small mammals towards roads. *Landscape and Urban Planning*. 169, pp. 199 - 207. 01/2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 13** Dario Hipolito; Diana Guedes; Diogo Cabecinha; Ana Serronha; Clara Grilo; Margarida Santos-Reis; Pedro Monterroso; João Carvalho; Carlos Fonseca; Xavier Pardavilla; Emilio Virgos; Luis Miguel Rosalino. Drivers of sett site location by European badgers in Portugal. *Biodiversity and Conservation*. 7 - 11, pp. 2951 - 2970. 2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** Helio Secco; Clara Grilo; Alex Bager. Habitat selection by the black-tufted marmoset *Callithrix penicillata* in human-disturbed landscapes. *Journal of Tropical Ecology*. 34, pp. 135 - 144. 2018.
Type of production: Scientific paper **Format:** Journal
- 15** Mafalda Bastos; Margarida Santos-Reis; Luciana Simoes; Clara Grilo; Luis Cardoso; Michael Bruford; Carlos Fernandes. Assessing genetic structure in common but ecologically distinct carnivores: The stone marten and red fox. *Plos One*. 11 - 1, pp. e0145165. 2016.
Type of production: Scientific paper **Format:** Journal



- 16** Clara Grilo; Thalita Cardoso; R Solar; Alex Bager. Do the size and shape of spatial units jeopardize the road mortality-risk factors estimates?. *Natureza & Conservação*. 14 - 8, pp. 8 - 13. 2016.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 17** Clara Grilo; Flavio Ferreira; Eloy Revilla. No evidence of a threshold in traffic volume affecting road-kill mortality at a large spatio-temporal scale. *Environmental Impact Assessment Review*. 55, pp. 54 - 58. 2015.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 18** Joana Roque de Pinho; Clara Grilo; RB Boone; KA Galvin; JG Snodgrass. Influence of aesthetic appreciation of wildlife species on attitudes towards their conservation in Kenyan agropastoralist communities. *Plos One*. 10.1371, 2014.
Type of production: Scientific paper **Format:** Journal
- 19** Fernando Ascensão; Clara Grilo; Scott Lapoint; Jeff Tracey; Anthony Clevenger; Margarida Santos-Reis. Inter-individual variability of stone marten behavioral responses to a highway. *Plos One*. 10.1371, 2014.
Type of production: Scientific paper **Format:** Journal
- 20** Luis Borda-de-Agua; Clara Grilo; Henrique Miguel Pereira. Modeling the impact of road mortality on barn owl (*Tyto alba*) populations using age-structured models. *Ecological Modelling*. 276, pp. 29 - 37. 2014.
Type of production: Scientific paper **Format:** Journal
- 21** Clara Grilo; Diana Reto; Joel Felipe; Fernando Ascensão; Eloy Revilla. Understanding the mechanisms behind road effects: Linking occurrence with road mortality in owls. *Animal Conservation*. 17, pp. 555 - 564. 2014.
Type of production: Scientific paper
- 22** Pablo Villalva; Diana Reto; Margarida Santos-Reis; Eloy Revilla; Clara Grilo. Do dry ledges reduce the barrier effect of roads?. *Ecological Engineering*. 57, pp. 143 - 148. 2013.
Type of production: Scientific paper **Format:** Journal
- 23** Flavia Porto-Peter; Guillem Molina-Vacas; Juan Rodriguez; Clara Grilo. Effects of roads on spatial behaviour and abundance of small mammals: Gaps in knowledge. *Efeitos das estradas sobre o comportamento espacial abundância de pequenos mamíferos: As lacunas no conhecimento. Oecologia Australis*. 17, pp. 63 - 76. 2013.
Type of production: Scientific paper **Format:** Journal
- 24** Ana Serronha; Rita Mateus; Finn Eaton; Margarida Santos-Reis; Clara Grilo. Towards effective culvert design: Monitoring seasonal use and behavior by Mediterranean mesocarnivores. *Environmental Monitoring and Assessment*. 185, pp. 6235 - 6245. 2013.
Type of production: Scientific paper **Format:** Journal
- 25** Fernando Ascensão; Clara Grilo; Joel Filipe; Margarida Santos-Reis; Anthony Clevenger. Highway verges as habitat providers for small mammals in agrosilvopastoral environments. *Biodiversity and Conservation*. 21, pp. 3681 - 3697. 2012.
Type of production: Scientific paper **Format:** Journal
- 26** Clara Grilo; Fernando Ascensão; Margarida Santos-Reis; John Bissonette. Do well-connected landscapes promote road-related mortality?. *European Journal of Wildlife Research*. 57, pp. 707 - 716. 2011.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 27** Ana Rita Mateus; Clara Grilo; Margarida Santos-Reis. Surveying drainage culvert use by carnivores: Sampling design and cost-benefit analyzes of track-pads vs. video-surveillance methods. *Environmental Monitoring and Assessment*. 181, pp. 101 - 109. 2011.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 28** Luis Gomes; Clara Grilo; Clara Silva. Identification methods and deterministic factors of owl roadkill hotspot locations in Mediterranean landscapes. *Ecological Research*. 24, pp. 355 - 370. 2009.
Type of production: Scientific paper
- 29** Maria João Santos; Hugo Matos; Carla Baltazar; Clara Grilo; Margarida Santos-Reis. Is polecat (*Mustela putorius*) diet affected by "mediterraneity"? *Mammalian Biology*. 74, pp. 448 - 458. 2009.
Type of production: Scientific paper **Format:** Journal
- 30** Maria João Santos; Nuno Pedroso; Joaquim Pedro Ferreira; Hugo Matos; Teresa Sales-Luis; Iris Pereira; Carla Baltazar; Clara Grilo; Ana Teresa Cândido; Ines Sousa; Margarida Santos-Reis. Assessing dam implementation impact on threatened carnivores: The case of Alqueva in SE Portugal. *Environmental Monitoring Assessment*. 142, pp. 47 - 64. 2008.
Type of production: Scientific paper **Format:** Journal
- 31** Clara Grilo; John Bissonette; Margarida Santos-Reis. Response of carnivores to existing highway culverts and underpasses: Implications for road planning and mitigation. *Biodiversity and Conservation*. 17, pp. 1685 - 1699. 2008.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 32** Clara Grilo; Gisela Moço; Ana Teresa Candido; Ana Sofia Alexandre; Francisco Petrucci-Fonseca. Challenges for the recovery of the Iberian wolf in the Douro river region. *Revista de Biologia*. 20, pp. 121 - 133. 2002.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 33** Priscila Lucas; Ramon Carvalho; Clara Grilo. Railway disturbances on wildlife: Types, effects, and mitigation measures. *Railway Ecology*. pp. 81 - 99. Springer, 2017.
Type of production: Book chapter **Format:** Book
- 34** Eduardo Ferreira; Joaquim Pedro Ferreira; Clara Grilo; Rita Rocha; Rita Torres. Métodos e técnicas de estudo de mamíferos terrestres. *Temáticas e métodos avançados para ensino e investigação em biologia*. 5, pp. 341-364. Edições Afrontamento e Universidade de Aveiro, 2016.
Type of production: Book chapter **Format:** Book
- 35** Clara Grilo; Daniel Smith; Nina Klar. Carnivores: Struggling for Survival in Roaded Landscapes. *Handbook of Road Ecology*. John Wiley & Sons, 2015.
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 36** Angela Kocielek; Clara Grilo; Sandra Jacobson. Flight Doesn't Solve Everything: Mitigation of Road Impacts on Birds. *Handbook of Road Ecology*. 2015.
Type of production: Book chapter **Format:** Book
- 37** Rodney van Der Ree; Daniel Smith; Clara Grilo. The Ecological Effects of Linear Infrastructure and Traffic: Challenges and Opportunities of Rapid Global Growth. *Handbook of Road Ecology*. John Wiley & Sons, 2015.
Type of production: Book chapter **Format:** Book



- 38** Clara Grilo. A rede viária e a fauna: impactes, mitigação e implicações para a conservação das espécies em Portugal. *Ecologia de Estradas – tendências e pesquisas*. pp. 35 - 57. 2012.
Type of production: Book chapter **Format:** Book
Corresponding author: Yes
- 39** Rodney van Der Ree; Daniel Smith; Clara Grilo. *Handbook of Road Ecology*. Handbook of Road Ecology. 2015.
Type of production: Scientific book or monograph **Format:** Book
Relevant publication: Yes
- 40** Clara Grilo; John A. Bissonette; Patricia Cramer. *Mitigation measures to reduce impacts on biodiversity. Highways: Construction, Management, and Maintenance*. pp. 73 - 114. Nova Science Publishers, 2013.
Type of production: Scientific book or monograph **Format:** Book
- 41** Clara Grilo; Margarida Santos-Reis. *Monitorização da Mortalidade de Vertebrados por Atropelamento nas Estradas de Portugal*. Final Report. pp. 1 - 38. 2014.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: Yes
- 42** Clara Grilo; Margarida Santos-Reis. *Análise da mortalidade de fauna por atropelamento na rede de auto-estradas da Brisa 2002-2009*. Final Report. pp. 1 - 30. 2010.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: Yes
- 43** Clara Grilo; Dyana Reto; Fernando Ascensão; Inês Leitão; Joana Sousa; João Bernardo; Joel Filipe; Monica Costa; Paula Pinheiro; Margarida Santos-Reis. *Eficácia de medidas de minimização dos efeitos negativos das auto-estradas*. Final Report. pp. 1 - 154. 2010.
Type of production: Scientific-technical report
Corresponding author: Yes
- 44** Clara Grilo; Ana Serronha; Ana Rita Mateus; Margarida Santos-Reis. *Efeito das vias de comunicação nos carnívoros e propostas de minimização dos impactes negativos*. Final Report. pp. 1 - 89. 2007.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: Yes
- 45** Hugo Matos; Clara Grilo; Mafalda Bastos; Maria João Santos; Margarida Santos-Reis. *Riparian galleries as Corridors and Linkage Habitats in the Fragmented Landscape of Southern Portugal: Applications to Conservation Planning*. Final Report. pp. 1 - 117. 2006.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: No
- 46** Sara Roque; Clara Espirito-Santo; Clara Grilo; Helena Rio-Maior; Francisco Petrucci-Fonseca. *A população lupina a sul do rio Douro: análise temporal, atitudes públicas e corredores ecológicos*. Final Report. pp. 1 - 273. 2005.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 47** Margarida Santos-Reis; Joaquim Pedro Ferreira; Nuno Pedroso; Carla Baltazar; Hugo Matos; Iris Pereira; Teresa Sales-Luis; Maria João Santos; Ana Teresa Cândido; Ines Sousa; Monica Rodrigues; Clara Grilo. *Monitorização de carnívoros (2ª Fase de Monitorização) na área de regolfo de Alqueva e Pedrógão*. [Monitoring Programme of the Natural Heritage: studies of carnivores biology and ecology]. Final Report. 2003.
Type of production: Scientific-technical report

- 48** Clara Grilo; Gisela Moço; Ana Teresa Candido; Ana Sofia Alexandre; Francisco Petrucci-Fonseca. Bases para definição de corredores ecológicos na conservação de uma população marginal e fragmentada: o caso da população lupina a sul do rio Douro [Basis for the definition of ecological corridors for a fragmented and isolated population: the case of southern Douro river wolf population]. Final Report. pp. 1 - 113. 2002.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: Yes
- 49** Iris Pereira; Joaquim Pedro Ferreira; Clara Grilo; Inês Sousa; Margarida Santos-Reis. Estudos de Biologia e Ecologia de Animais (*Felis silvestris*, gato-bravo) na área de regolfo de Alqueva e Pedrógão [Biology and Ecology studies (*Felis silvestris*, wildcat) in the Alqueva dam]. Final Report. pp. 1 - 96. 2001.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
- 50** Hugo Matos; Maria João Santos; Clara Grilo; Ines Sousa; Margarida Santos-Reis. Estudos de Biologia e Ecologia de Animais (*Mustela putorius*, toirão) na área de regolfo de Alqueva e Pedrógão [Biology and Ecology studies (*Mustela putorius*, polecat) in the Alqueva dam]. Final Report. pp. 1 - 91. 2001.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: No
- 51** Clara Grilo; João Pedro Silva Pereira. Caracterização faunística do Parque Natural da Arrábida [Fauna community of Arrábida Natural Park]. Final Report. ICNF, 1998.
Type of production: Scientific-technical report **Format:** Scientific and technical document or report
Corresponding author: Yes
- 52** A coruja-das-Torres e as estradas em Portugal: uma coexistência condenada ao fracasso?. Stri Rapinas Nocturnas em Portugal. 2018. Available on-line at: <<https://strirapinasnocturnas.com/a-coruja-das-torres-e-as-estradas-em-portugal/>>.
Type of production: Website of Biology
- 53** Alex Bager; Clara Grilo. Road ecology: Oecologia Australis special issue. Oecologia Australis. 2013.
Type of production: Preface **Format:** Journal
- 54** Pablo Villalva; Dana Reto; Margarida Santos-Reis; Eloy Revilla; Clara Grilo. Será que as plataformas e a vedação complementar reduzem os impates negativos das estradas?. Linearidades. 3, pp. 5. 2012.
Type of production: Magazine of Biology **Format:** Scientific and technical document or report
Corresponding author: No
- 55** Clara Silva; Clara Grilo; Antonio Mira. Modeling owl mortality in roads of Alentejo (Southern Portugal). Airo. 18, pp. 3 - 12. 2008.
Type of production: Magazine of Biology **Format:** Journal
- 56** Clara Grilo; Gisela Moço; Ana Teresa Cândido; Sofia Alexandre; Francisco Petrucci-Fonseca. Alerta vermelho para o lobo a sul do rio Douro. Boletim do Grupo Lobo. 2004.
Type of production: Magazine of Biology
Corresponding author: Yes
- 57** Clara Grilo; Sara Roque; Helena Rio-Maior; Francisco Petrucci-Fonseca. The Isolated Wolf Population South of Douro River: status and action lines for its recovery. Wolfprint. 20, 2004.
Type of production: Magazine of Biology
Corresponding author: Yes



- 58** The isolated Iberian wolf population on South Douro river region, Portugal: ecology and threat factors. *Comptes Rendus Biologies*. 326, pp. S224. 2003.
Type of production: Abstract **Format:** Journal
Corresponding author: Yes

Works submitted to national or international conferences

- 1** **Title of the work:** How do major roads affect barn owls? Distribution, space use, food source, and mortality
Name of the conference: 2009 International Conference on Ecology & Transportation - Adapting to Change
City of event: Duluth, United States of America
Date of event: 13/09/2009
End date: 17/09/2009
Organising entity: ICOET **Type of entity:** State agency
Joana Sousa; Dana Reto; Joel Filipe; Inês Leitão; Clara Grilo; Fernando Ascensão; Rui Lourenço; Ana Marques; Dulce Ferreira; Margarida Santos-Reis. "Proceedings in The 2009 International Conference on Ecology & Transportation - Adapting to Change".
- 2** **Title of the work:** Patterns of carnivore road casualties in southern Portugal
Name of the conference: 2007 International Conference on Ecology & Transportation "Bridging the Gaps, Naturally"
Corresponding author: Yes
City of event: Little Rock, United States of America
Date of event: 20/05/2007
End date: 25/05/2007
Organising entity: ICOET **Type of entity:** State agency
Clara Grilo; Clara Silva; Carla Baltazar; Luis Gomes; John Bissonette; Margarida Santos-Reis.
- 3** **Title of the work:** Permeability of highways to carnivores: spatial/temporal patterns of road casualties and underpasses as linkage elements
Name of the conference: International Conference on Habitat Fragmentation due to Transportation Infrastructure – IENE 2003
Corresponding author: Yes
City of event: Brussels, Belgium
Date of event: 11/11/2003
End date: 12/11/2003
Organising entity: IENE **Type of entity:** State agency
Clara Grilo; Margarida Braga; John Bissonette; Margarida Santos-Reis.

R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** IENE 2018 international conference “Crossing borders for a greener and sustainable transport infrastructure
Type of activity: Conference **Geographical area:** European Union
Convening entity: IENE
City convening entity: Eindhoven, Holland
Start-End date: 11/09/2018 - 14/09/2018 **Duration:** 4 days
- 2** **Title of the activity:** Seminar - Road mortality risk and implications of natural populations
Type of activity: Seminar
Convening entity: University Federal Lavras
City convening entity: Lavras, Brazil
Start-End date: 07/06/2016 - 07/06/2016 **Duration:** 1 day
- 3** **Title of the activity:** Symposium - Conservation at the cross-roads: how roads and other linear infrastructure influence conservation.
Type of activity: International Congress of Conservation Biology and the European Congress of Conservation Biology
Convening entity: ICCB
City convening entity: Montpellier, France
Start-End date: 06/08/2015 - 06/08/2015 **Duration:** 1 day
- 4** **Title of the activity:** Workshop - Wildlife and road network: science at the conflict management
Type of activity: Workshop **Geographical area:** European Union
Convening entity: University of Aveiro
City convening entity: Aveiro, Centro (P), Portugal
Start-End date: 06/06/2014 - 06/06/2014 **Duration:** 1 day
- 5** **Title of the activity:** Symposium - Quantifying the impacts of roads and traffic on biodiversity
Type of activity: Symposium at 25th International Congress of Conservation Biology.
Convening entity: ICCB
City convening entity: Auckland, New Zealand
Start-End date: 05/12/2011 - 05/12/2011 **Duration:** 1 day
- 6** **Title of the activity:** I International Conference on Tourism and Sustainability
Type of activity: Conference
Convening entity: ISLA **Type of entity:** University
City convening entity: Lisboa, Portugal
Start-End date: 11/09/2011 - 12/09/2011 **Duration:** 2 days
- 7** **Title of the activity:** Conference - Linear infrastructures and biodiversity
Type of activity: Conference
Convening entity: University of Evora
City convening entity: Evora, Alentejo, Portugal
Start-End date: 13/11/2005 - 14/11/2005 **Duration:** 2 days

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Melbourne University **Type of entity:** University
City of entity: Melbourne,
Start-End date: 01/11/2014 - 15/12/2014 **Duration:** 1 month - 15 days
Goals of the stay: Guest
Provable tasks: Co-Editing the book Handbook of Road Ecology with Rodney van deer See
- 2** **Entity:** University Federal of Lavras **Type of entity:** University
City of entity: Lavras, Brazil
Start-End date: 01/2014 - 02/2014 **Duration:** 1 month
Goals of the stay: Guest
Provable tasks: Support students, writing project
- 3** **Entity:** University Federal of Lavras **Type of entity:** University
City of entity: Lavras, Brazil
Start-End date: 15/10/2013 - 15/11/2013 **Duration:** 1 month
Goals of the stay: Guest
Provable tasks: Participate in a congress, support students, give a course
- 4** **Entity:** Utah Sate University **Type of entity:** University
City of entity: Logan, United States of America
Start-End date: 01/03/2007 - 31/05/2007 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Stay with my co-supervisor to work on a paper Grilo et al. 2009