

Dr. CARLO RONDININI

Curriculum Vitae



Date: 04/04/2019

Highlights

- Research Scientist at Sapienza University of Rome
- Coordinator of the Global Mammal Assessment, a partnership between IUCN and Sapienza University to keep the global information on mammal extinction risk up to date
- Lead Author / Coordinating Lead Author of two global assessments by IPBES, the Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services
- PI of the Marie-Slobodowska Curie International Training Network “Inspire4Nature” with 15 PhD students (4 based at Sapienza)
- European Editor of the journal Conservation Biology
- 2018 Highly Cited Researcher in Environment and Ecology (Clarivate Analytics, <https://hcr.clarivate.com/>)
- Scientific Record: 110 ISI papers, 5862 citations, H-index 38 (Scopus)

Part I – General Information

Full Name	Carlo Rondinini
Date of Birth	January 20, 1972
Place of Birth	Roma
Citizenship	Italian
E-mail	carlo.rondinini@uniroma1.it
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes
University graduation	1997	Sapienza Università di Roma	Degree in Biological Sciences
PhD	2004	Sapienza Università di Roma	PhD in Animal Biology
Pre-doctorate training	1999	University of Southampton	Visiting Scientist with post-graduate studentship from Sapienza University
Post-doc	2004-2007	Sapienza Università di Roma	Species distribution modelling, conservation priority setting

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
March 2008	Present	Dipartimento di Biologia e Biotecnologie, Sapienza Università di Roma	Ricercatore (Research Scientist)
November 2012	Present	Dipartimento di Biologia Ambientale, Sapienza Università di Roma	Member of the Teaching Board of the Corso di Dottorato in Biologia Ambientale ed Evoluzionistica (PhD in Environmental and Evolutionary Biology)

IIIB – Other Appointments

Start	End	Institution	Position
November 2016	Present	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)	Member of the Core Expert Group on Scenarios and Modelling
July 2016	Present	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)	Lead Author of the “Global Assessment of Biodiversity and Ecosystem Services”
December 2015	2018	Società Botanica Italiana	International Species Expert Senior for the project “Strengthening national capacity in nature protection - preparation for Natura 2000 network”
September 2014	January 2015	Unione Zoologica Italiana	Responsible for the quantification of ecosystem services produced by the Italian fauna
June 2014	December 2016	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)	Coordinating Lead Author of the “Methodological Assessment Report on Scenarios and Models of Biodiversity and Ecosystem Services”
March 2014	Present	Society for Conservation Biology, USA	European Editor of the journal Conservation Biology
December 2012	Present	Comitato Italiano IUCN – Federparchi	Responsible for the application of the IUCN categories and criteria in the development of the Italian Red List of animal species. More than 3000 species assessed so far
September 2010	August 2011	Royal Society Publishing, UK	Editor of the Theme Issue “Global Strategies for the conservation of mammals”, Philosophical Transactions of the Royal Society Series B – Biological Sciences, 366(1578):2598-2728.
October 2009	March 2010	Joint Nature Conservation Committee, UK	Consultancy “Meeting the MPA network design principles of representativity and adequacy: Developing species-area curves for habitats”
January 2009	March 2009	Joint Nature Conservation Committee, UK	Consultancy “A review of methodologies that could be used to formulate ecologically meaningful targets for marine habitat coverage within the UK MPA network”

September 2006	December 2007	Society for Conservation Biology, USA	Guest Editor of the Special Section “Systematic conservation planning in the European landscape: conflicts, environmental changes and the challenge of Countdown 2010”, Conservation Biology 21(6):1404-1486
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IIIC – Habilitations as Professor for Italian Universities

Start	End	SC	Role
2014	2020	05/C1	Seconda fascia (Associate Professor)
2014	2020	05/C1	Prima fascia (Full Professor)

IIID - Peer review

Reviewer for scientific journals, including: Acta Oecologica; Acta Theriologica; Biological Conservation; Conservation Biology; Conservation Letters; Diversity and Distributions; Ecography; Ecological Modelling; Ecology Letters; Endangered Species Research; Functional Ecology; Global Change Biology; Journal of Animal Ecology; Journal of Applied Ecology; Journal of Biogeography; Journal of Environmental Management; Journal of Natural History; Mammal Review; Nature; Nature Climate Change; Oryx; PLoS Biology; PLoS ONE; Proceeding of the Royal Society B; Science; Wildlife Biology; Wildlife Research

Reviewer for national and international funding schemes, including: Progetti di Ricerca di Interesse Nazionale (PRIN, Italy), National Science Foundation (NSF, USA), BIOdivERsa (EU)

Part IV – Teaching experience

IVA – Lectures/Courses

Year	Institution	Lecture/Course
From 2015/2016 to present	Facoltà di Scienze M.F.N., Sapienza Università di Roma	Course in Conservazione e gestione della fauna (12 CFU), Laurea Magistrale in Scienze della Natura
2017	Universidad Nacional del Sur, Bahia Blanca, AR	Post-graduate course on Identifying conservation priorities for mammals, 16 hours with Prof. Kevin Crooks
2013/2014, 2014/2015	Facoltà di Scienze M.F.N., Sapienza Università di Roma	Course in Conservazione della Fauna (9 CFU), Laurea Magistrale in Scienze del Mare e del Paesaggio Naturale
From 2009/2010 to 2012/2013	Facoltà di Scienze M.F.N., Sapienza Università di Roma	Course in Biologia e Conservazione della Fauna Selvatica (6 CFU), Laurea Magistrale in Conservazione e Divulgazione Naturalistica
2010	IAMZ-CIHEAM (Centre International de Hautes Études Agronomique Méditerranéennes), Zaragoza, ES	Lecture on Conservation Priority Setting (16 hours), Master Internacional en Planificaciòn Integrada para el Desarrollo Rural y la Gestion del Medio Ambiente
2009	IAMZ-CIHEAM (Centre International de Hautes Études Agronomique Méditerranéennes), Zaragoza, ES	Lecture on Conservation Priority Setting (16 hours), Master Internacional en Planificaciòn Integrada para el Desarrollo Rural y la Gestion del Medio Ambiente

IVB – PhD supervisions

Start	End	Candidate	PhD School/Course
2009	2012	Piero Visconti	Biologia Animale, Sapienza Università di Roma, and Geography, Planning and Environmental Management, University of Queensland
2010	2013	Moreno Di Marco	Ecologia, Sapienza Università di Roma
2010	2013	Daniele Baisero	Ecologia, Sapienza Università di Roma
2011	2014	Luca Santini	Biologia Animale, Sapienza Università di Roma
2012	2015	Michela Pacifici	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2013	2016	Carlos Zambrana-Torrel	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2016	2019	Dino Biancolini	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2018	2021	Prabhat Raj Dahal	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2018	2021	Ivon Cuadros Casanova	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2018	2021	Carmen Soria Gonzales de Buitrago	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma
2018	2021	Maria Lumbierres Civit	Biologia Ambientale ed Evoluzionistica, Sapienza Università di Roma

IVC - PhD examinations

Year	Candidate	PhD School/Course
2012	Juliette Delavenne	Science de la Matière du Rayonnement et de l'Environnement, Université du Littoral de Cote d'Opale, France
2014	Edoardo Calizza Francesco Maria Sabatini	Scienze Ecologiche, Sapienza Università di Roma
2015	Maria Carla de Francesco	Dottorato in Scienze e Tecnologie Ambientali, Università del Molise
2015	Elina Aletrari	Social Science and Public Policy, King's College London, UK
2017	Jiban Deb	Geography, Planning and Environmental Management, University of Queensland, Australia

Part V - Society memberships

Year	Title
Since 2003	Society for Conservation Biology
Since 2004	Species Survival Commission of the IUCN (International Union for Conservation of Nature)
Since 2008	IUCN Red List Committee
Since 2012	IUCN Climate Change Specialist Group
Since 2014	European Ecological Federation
Since 2015	Unione Zoologica Italiana

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2008	PI, Modelli di distribuzione specie-specifici della mammalofauna mondiale basati sull'idoneità ambientale	Ateneo Federato	€ 5000
2009	PI, Definizione di priorità globali per la conservazione dei mammiferi	Ateneo Federato	€ 4000
2010	PI, Definizione di priorità di ricerca globali per i mammiferi	Ricerche Universitarie	€ 10000
2010	PI, Consulenza per la valutazione dell'interferenza ambientale generata dalla collisione dell'avifauna con gli elettrodotti AT/AAT, al fine della costruzione di uno strumento di analisi automatica di tipo GIS	Centro Elettrotecnico Sperimentale Italiano	€ 29000
2011	PI, Consulenza per la valutazione della compatibilità dell'avifauna con gli elettrodotti per il perfezionamento di un tool di analisi GIS	Centro Elettrotecnico Sperimentale Italiano	€ 32700
2012	PI, Effectiveness of independent or synergistic conservation actions in global priority sites for the conservation of terrestrial mammals	Ricerche Universitarie	€ 7000
2012	I, Trends and gaps in protection of the world's biodiversity	Cambridge Conservation Initiative	£ 66549
2012	I, Action ES1101 Harmonizing Biodiversity Modelling	EU COST	€ 197000
2013	I, Inferring the extinction risk of data deficient mammals	Ricerche Universitarie - Awards	€ 55000
2013	I, How key should Key Biodiversity Areas be?	Cambridge Conservation Initiative	£ 60000
2014	PI, Biodiversity trends and provision of ecosystem services	Ricerche Universitarie	€ 4000
2014	PI, Mammal models for BIOSCORE 2.0	Alterra	€ 24000
2014	PI, Revisione della modellazione della compatibilità dell'avifauna con gli elettrodotti e perfezionamento di un tool di analisi GIS	Centro Elettrotecnico Sperimentale Italiano	€ 9500
2015	PI, Hotspots of mammal species at risk from climate change: the role of life history traits and external pressure	Ricerche Universitarie	€ 9000
2015	I, Protected Area connectivity: an assessment for Aichi target 11	Cambridge Conservation Initiative	£ 63530
2015	I, Defining and applying the concept of Favourable Reference Values – mammals	Alterra	€ 30900
2015	PI, Evaluation of mammal model uncertainty for BIOSCORE 2.0	Alterra	€ 12000
2017	PI, Modellizzazione del paesaggio rurale e del conflitto tra allevamento e grandi carnivori	MAECI, Programma Esecutivo di Cooperazione Scientifica e Tecnologica Italia – Argentina	€ 40,000
2017	I, Inspire 4 Nature	Horizon 2020 MSCA International Training Network	€ 3,950,859 (Sapienza share: € 1,032,245)
2018	PI, PROTECTNICHE	Horizon 2020 MSCA	€ 180,000

	Individual Fellowship	
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Part VII – Research Activities

VIIA - Main research interests

Keywords	Brief Description
Species distribution modelling, habitat suitability modelling	Modelling of the distribution of vertebrate species at national, continental and global scale. Modelling of the effects of deforestation on extent of suitable habitat. Work on all 6000 species of mammals, all of the world's amphibians and ca. 4000 species of forest-dependent birds.
Extinction risk analysis, IUCN Red List	Coordination of the Global Mammal Assessment (GMA), which is responsible for the update and maintenance of the extinction risk data of the world's mammals for the IUCN Red List. The work is framed within a partnership among the Department of Biology and Biotechnologies at Sapienza University of Rome, IUCN, and seven other research institutions to maintain the Red List.
Biodiversity scenario modelling	Scenario modelling of the global effects of socio-economic development pathways and policies on biodiversity. Includes spatially-explicit modelling of mammal habitat availability in the future and invasion biology.
Effects of global change on biodiversity and ecosystem services	Several roles played within the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), as well as contributions to IPCC, within this research line. Studies of the effect of climate and land cover change on biodiversity and ecosystem services. Studies of the impact of climate mitigation strategies on biodiversity.

VIIIB - Invited speeches at international scientific meetings

Date	Title	Author(s)	Meeting
14 November 2017	Global assessment of the conservation status of mammals	C. Rondinini	Jornadas Argentinas de Mastozoología, Universidad Nacional del Sur, Bahía Blanca, AR
14 November 2016	Scenarios of global mammal conservation	C. Rondinini	Open Seminar on Ecosystem Scenarios and Models from Local to National Scales, United Nations University, Tokyo, JP
2 September 2016	The 2016 mammal Red List	C. Rondinini	IUCN World Conservation Congress, Honolulu, USA
2 December 2015	Projected impacts of climate change and land-based mitigation on mammal abundance and extinction risk	C. Rondinini, P. Visconti	COP21 of the United Framework Convention on Climate Change, Paris, FR
21 September 2015	Projected effect of global change on European large mammals	C. Rondinini, P. Visconti	13th European Ecological Federation Meeting, Roma, IT
3 August 2015	Challenges for combining indicators, models and scenarios of human pressure and biodiversity response into a	C. Rondinini	27th International Congress for Conservation Biology, Montpellier, FR

	coherent story		
16 November 2014	A framework for predicting ecological and socio-economic impacts of large-scale conservation plans	C. Rondinini, P. Visconti	IUCN World Parks Congress, Sydney, AU
22 May 2014	Effectiveness of African protected areas for the conservation of large mammals	C. Rondinini	Symposium on Remote Sensing and Conservation, Zoological Society of London, London, UK
15 May 2014	Global models for mammal conservation	C. Rondinini	10th Ecology and Behaviour Meeting, Montpellier, FR
31 August 2012	The role of biodiversity scenarios in the development of global conservation strategies	C. Rondinini, T. M. Brooks	3rd European Congress of Conservation Biology, Glasgow, UK
24 February 2011	The role of agroecosystems in biodiversity conservation	C. Rondinini	Workshop on Biodiversity and Ecosystems, CNR-IMATI, Milano, IT
4 July 2010	The global distribution of mammals	C. Rondinini, F. Chiozza, M. Di Marco, P. Visconti, D. Baisero, L. Boitani	24th International Congress for Conservation Biology
11 August 2009	Present and future irreplaceable sites for mammal conservation	C. Rondinini, F. Chiozza, G. Santulli, L. Boitani	10th International Mammalogical Congress, Mendoza, AR
7 October 2008	What future for Southeast Asian mammals?	C. Rondinini, L. Boitani, G. Catullo, R. Alkemade, M. Bakkenes, F. Chiozza, A. Falcucci, L. Maiorano, M. Masi	IUCN World Conservation Congress 2008, Barcelona, ES
14 September 2006	Strengths and shortcomings of habitat suitability models as a tool for predicting species distributions	C. Rondinini, L. Boitani	Spatial Data Methods for Environmental and Ecological Processes, Baia delle Zagare, IT
26 August 2006	Planning for conservation in conflicting areas	C. Rondinini, L. Boitani, L. Maiorano, A. Falcucci	1st European Congress for Conservation Biology, Eger, HU
10 September 2003	Africa protected area gap analysis using the habitat suitability models of terrestrial vertebrates	C. Rondinini, L. Boitani	IUCN World Parks Congress 2003, Durban, SA
10 September 2003	Reserve selection in African using the habitat suitability models of terrestrial vertebrates	C. Rondinini, L. Boitani	IUCN World Parks Congress 2003, Durban, SA

Date	Title	Organizers	Meeting
1-10 September 2016	The 2016 mammal Red List as a tool for science and policy	C. Rondinini, L. Boitani, F. Chiozza, M. Pacifici	IUCN World Conservation Congress, Honolulu, USA
21-25 September 2015	The (macro)ecology of animal species decline	C. Rondinini, M. Pacifici, L. Santini, M. Di Marco	13th European Ecological Federation Meeting, Rome, IT
2-6 August 2015	Advances in the quantification of human pressure and biodiversity monitoring under climate change	M. Di Marco, C. Rondinini	27th International Congress for Conservation Biology
28 August – 1 September 2012	Global biodiversity scenarios to inform environmental policies	C. Rondinini, P. Visconti, T. M. Brooks, B. Gunnar-Johnson	3rd European Congress for Conservation Biology
3-7 July 2010	Priorities for the conservation of the world's mammalian fauna	C. Rondinini, A. S. L. Rodrigues, L. Boitani	24th International Congress for Conservation Biology
9-14 August 2009	The future of the world's mammals: the IUCN Red List database as a tool in conservation monitoring and planning	T. Lacher, C. Rondinini, J. Schipper	10th International Mammalogical Congress, Mendoza, AR
22-26 August 2006	Systematic conservation planning in the European landscape: conflicts, environmental change, and the challenge of Countdown 2010	C. Rondinini, R. L. Pressey	1st European Congress for Conservation Biology, Eger, HU

Part VIII – Summary of Scientific Achievements

2018 Highly Cited Researcher in Environment and Ecology. “This list recognizes world-class researchers selected for their exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in *Web of Science*.” (Clarivate Analytics 2018, <https://hcr.clarivate.com/>).

Product type	Number	Data Base	Start	End
ISI Papers (total)	110	Scopus	1997	2018
Book chapters	5		2001	2016
Total Citations		5862 (Scopus)		
Hirsch (H) index		38 (Scopus)		

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Full list of publications available from [Google Scholar profile](#).