

1. PERSONAL DETAILS

FIRST NAME: Michela FAMILY NAME: Pacifici

NATIONALITY: Italian BORN: 28/10/1986, Roma, Italy

AFFILIATION: Global Mammal Assessment programme, Department of Biology and Biotechnologies (Zoology building), Sapienza Università di Roma, viale dell'Università 32, 00185 Rome – Italy

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2. PROFESSIONAL EXPERIENCE

February 2019 – June 2020 Post-doc researcher at Sapienza Università di Roma (Global Mammal Assessment programme)

October 2018 – October 2019 Adjunct Professor at Alma Mater Studiorum Università di Bologna

February 2018 – January 2019 Post-doc researcher at Sapienza Università di Roma (Global Mammal Assessment programme)

June 2017 - July 2017 Visiting Academic at University of Queensland and University of Melbourne

April 2016 – June 2016 Consultant for the Istituto di Ecologia Applicata (IEA) on the project “Defining and applying the concept of Favourable Reference Values for species and habitats under the EU Birds and Habitats Directives”

January 2016 – February 2018 Zoologist international expert for Società Botanica Italiana in the project "Strengthening national capacity in nature protection – preparation for Natura 2000 network" (work carried out between Rome and Albania)

December 2014 – present Point of contact for the IUCN SCC Primate Specialist Group for the Global Mammal Assessment

May 2014 Consultant for the International Union for Conservation of Nature on the project "Developing Red List Indices for the Critical Ecosystem Partnership Fund"

January 2014 – January 2015 Responsible for the analyses on mammals in the European project “Bioscore 2” led by Alterra - Wageningen UR (NL).

June 2013 – present Responsible of the Global Mammal Assessment of the IUCN SCC Small Carnivore Specialist Group (creation of distribution maps with GIS software + revision of species' accounts)

June 2013 – present Responsible of the Global Mammal Assessment of the IUCN SSC Australasian Marsupial and Monotreme Specialist Group (creation of distribution maps with GIS software + revision of species' accounts)

November 2012 – March 2016 PhD student, Department of Biology and Biotechnologies, Sapienza Università di Roma.

ACADEMIC QUALIFICATIONS

- Sapienza Università di Roma, PhD in "Environmental and evolutionary biology, curriculum Animal Biology". Project title: Effects of climate change on the extinction risk of species. Supervisors: Dr. Carlo Rondinini (Sapienza Università di Roma, Rome, Italy), Dr. Piero Visconti (Microsoft Research, Cambridge, UK). Duration: November 2012 – March 2016.

- Sapienza Università di Roma, Master in "Conservazione e Divulgazione Naturalistica". Thesis title: "Fire policy optimization in Kruger National Park to maximize suitable habitat for rare antelopes". Supervised by Dr. Carlo Rondinini (Sapienza Università di Roma), Dr. Piero Visconti (Sapienza Università di Roma), Dr. Fabio Attorre (Sapienza Università di Roma). Final mark: 110/110 cum laude. Duration: October 2010 - July 2012.

- Sapienza Università di Roma, Bachelor of Science in Natural Sciences. Thesis title: "Endemic amphibians, reptiles and mammals of Sardinia". Supervised by Prof. Marina Cobolli (Sapienza Università di Roma). Final mark: 107/110. Duration: October 2005 – July 2010.

- Liceo Statale Maria Montessori. Diploma from Language High School. Final mark: 100/100. Duration: September 2000 – July 2005.

4. LANGUAGE SKILLS

Italian: Native speaker

English: C2

Spanish: B2

German: A1

French: A1

5. ACADEMIC MERIT: SCHOLARSHIPS, PRIZES, GRANTS AND AWARDS

POSTDOC

2020 BE-FOR-ERC fellowship for a research project of excellence lasting 12 months, 50000 EUR

2017 Premio Daikin per la Conservazione della Biodiversità. Award for the best Italian PhD thesis in Conservation Biology, 2000 EUR

2017 ISCRA class C project entitled Creating the Albanian network of protected areas . 50000 hours won on the Cineca cluster Pico.2017

2017 Visiting Fellowship Scheme program. Award to visit Prof. Johnathan Rhodes, Prof. James Watson and Dr. Moreno Di Marco at the University of Queensland, and Prof. Brendan Wintle at the University of Melbourne, June-July 2017, from the Australian Research Council Centre of Excellence for Environmental Decisions (CEED), 3562 AUD

PHD

2015 Scholarship to attend the workshop entitled “The impact of climate changes on animal populations”, Erice 9 th -14 th November 2015, from the Associazione Teriologica Italiana Onlus (ATIt onlus), 300 EUR

2015 ISCRA class C project entitled Assess the effects of land-use and climate change on mammals. 50000 hours won on the Cineca cluster Pico.

2015 13th EEF and 25th SIte Conference , (Rome 21st - 25th September 2015), Premio Roberto Marchetti for a young Italian researcher from the Società Italiana di Ecologia, 1000 EUR.

2015 International and European Conference of Conservation Biology 2015 (Montpellier, 02-06/08/2015), Student Awards Competition, selected finalist.

2015 Society for Conservation Biology, Travel grant to attend the 2015 International and European Conference of Conservation Biology, 300 EUR.

2015 ISCRA class C project entitled Impacts of Future Climate Change on the Extinction Risk of Vulnerable Mammals. 50000 hours won on the Cineca cluster PLX2.

2014 ISCRA class C project entitled Effects of Climate Change on Extinction Risk in Terrestrial Mammals. 50000 hours won on the Cineca cluster PLX.

MASTER

2013 Vitrociset S.p.A. (Rome, Italy). Master Degree Prize, money grant., 500 EUR.
HIGH SCHOOL

2005 Premio studenti meritevoli Comune di Roma (Rome, Italy). Merit award for study profit.

6. PARTICIPATION IN CONGRESSES, WORKSHOPS AND SHORT COURSES

2018 Workshop "Global Biodiversity Modelling - ISIMIP/ISIPEDIA Biodiversity Sector Meeting", Frankfurt 16 th -18 th May 2018. Invited.

2018 Lemurs red-listing workshop, Antananarivo 7 th -11 th May 2018. Invited.

2017 12 th International Mammalogical Congress, Perth, 9 th – 14 th July 2017.

2016 IUCN World Conservation Congress, Honolulu 1 st -10 th September 2016.

2016 African primate red-listing workshop, Rome 20 th -24 th April 2016.

2016 Workshop “Defining and applying the concept of Favourable Reference Values for species and habitats under the EU Birds and Habitats Directives”, Wageningen (The Netherlands), 14th - 15th April 2016.

2015 Asian primate red-listing workshop, Singapore 19 th -24 th November 2015. Invited

2015 13th EEF and 25th SIte Conference - Rome 21 st- 25 th September 2015.

2015 27th International Congress of Conservation Biology, Montpellier (France), 2 nd- 6 th August

2015 - Finalist at Student Awards sessions – Oral presentation Title: Ecological and biological characteristics explain the response of species to recent climatic changes.

2015 Neotropical primate red-listing workshop, Houston (Texas). 25 th- 29 th January 2015. Invited

2014 Assessing Species' Extinction Risk Using IUCN Red List Methodology. Online course. IUCN. Global IUCN Red List Assessor exam successfully completed.

2014 IX Congresso Italiano di Teriologia, Civitella Alfedena (AQ, Italy). 07 th –10 th May 2014. Oral presentation – Title: Italian hotspots of mammal species vulnerable to climate change.

2013 Workshop on climate change vulnerability assessment approaches (IUCN SSC Climate Change Specialist Group, Cambridge, UK, 12 th –14 th December 2013). Invited.

2013 Workshop on the identification of thresholds for sites contributing significantly to the global persistence of biodiversity (IUCN & WCPA, Rome, Italy, 01 st -05 th December 2013).

2013 11th Annual Savanna Science Networking Meeting, hosted by SANParks' Scientific Services, 3 rd -8th March 2013, Kruger National Park, South Africa.

2012 3rd European Congress of Conservation Biology, Glasgow, 28 th August – 1 st September
2012 Poster – Title: Fire policy optimization in Kruger National Park to maximize suitable habitat for rare antelopes.

7. SCIENTIFIC ASSOCIATIONS

2016 – present Member of the IUCN SSC Red List Committee

2015 - present Member of the Società Italiana di Ecologia

2014 – present Member of the Associazione Teriologica Italiana (ATIt)

2013 – present Member of the IUCN SSC Climate Change Specialist Group

2012 - present Member of the Society for Conservation Biology

8. PEER REVIEW ACTIVITY

I have reviewed articles for the following journals:

Biology Letters, Climatic Change, Conservation Biology, Diversity and Distributions, Ecosystems, Ecology and Evolution, European Journal of Wildlife Research, Frontiers of Biogeography, Global Change Biology, Journal of Applied Ecology, Nature Climate Change, Oryx, PLoS One, Proceedings B, Scientific Reports, Trends in Ecology and Evolution

9. TEACHING AND SUPERVISION

TEACHING EXPERIENCE

2018-2019 Adjunct professor – Course in Animal Diversity and Distribution in a Changing Climate, Master Degree in Global change ecology and sustainable development goals, Alma Mater Studiorum Università di Bologna

2017 Teaching assistant (2 hrs) for the master degree course of Scienze della Natura, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2016 Teaching assistant (2 hrs) for the bachelor degree course of Scienze Ambientali, "Zoologia Ambientale", Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2016 Teaching assistant (6 hrs + 2 field days) for the master degree course of Scienze della Natura, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2015

2014 Teaching assistant (2 hrs + 1 field day) for the master degree course of Conservation of Nature, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

SUPERVISION EXPERIENCE

2018 Co-supervisor of Santiago Bellver, Erasmus project, Universidad de Valencia and Sapienza Università di Roma. 2017 – present Co-supervisor of Marco Angelico, master degree in Ecobiologia, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2016 – 2018 Co-supervisor of Simone Stirpe, master degree in Conservation of Nature, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2017 – 2018 Co-supervisor of Andrea Cristiano, master degree in Ecobiologia, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2016 – 2017 Co-supervisor of Marta Cimatti, master student, master degree in Ecobiologia, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

2014 – 2015 Co-supervisor of Matteo Ponzoni, master student, master degree in Natural Sciences, Faculty of Science MM.FF.NN., Università di Milano.

2014 – 2015 Co-supervisor of Francesca Cassola, master student, master degree in Conservation of Nature, Faculty of Science MM.FF.NN., Sapienza Università di Roma.

10. COMPUTER SKILLS

OPERATING SYSTEMS: Windows, Linux.

PROGRAMS: R, ArcGIS, GrassGIS, QGIS, MS Office (Access, Excel, Power Point, Word), OpenOffice, SIS, Zonae Cogito.

PROGRAMMING LANGUAGES: R, Bash

11. FUNDED PROJECTS

AnIMalNICHE

Funding : Sapienza Università di Roma

Amount: Euro 50,000

Duration: 2020-2021

Biodiversity scenarios for ecosystem services (BIOSCENES)

Funding : Sapienza Università di Roma

Amount: Euro 4,000

Duration: 2019-2020

CLIMBATS

Funding : The European Cooperation in Science and Technology

Duration: 2019-2022

Inspire4Nature

Funding: European Commission.

Amount: Euro 3,950,859.24 (Euro 1,032,245.28 allocated to Sapienza)

Duration: 2018-2021

Modellizzazione della frammentazione del paesaggio e sviluppo rurale come cause dei conflitti tra allevamento e carnivori selvatici

Funding: Ministero degli Affari Esteri e della Cooperazione Internazionale (Italy), Direzione Generale della Cooperazione Internazionale del Ministero delle Relazioni Esterne e Culto, Direzione Nazionale di Cooperazione e Integrazione Istituzionale del Ministero della Scienza, Tecnologia e Innovazione Produttiva (Argentina).

Amount: Mission funds

Duration: 2017 – 2019

Defining and applying the concept of Favourable Reference Values for species and habitats under the EU Birds and Habitats Directives

Funding: European Commission.

Amount: Euro 260,000

Duration: 2015 – 2017

Hotspots of mammal species at risk from climate change: the role of life history traits and external pressure.

Funding: Sapienza Università di Roma.

Amount: Euro 9,000

Duration: 2015

12. SCIENTIFIC PUBLICATIONS

Zhang, L., **Pacifici, M.**, Li, B., Gibson, L. Drought vulnerability among China's ungulates and mitigation offered by protected areas. *Conservation Science and Practice*, DOI: 10.1002/csp2.177

Foden, W. B., Young, B. E., Akçakaya, H. R., Garcia, R. A., Hoffmann, A. A., Stein, B. A., Thomas, C. D., Wheatley, C. J., Bickford, D., Carr, J. A., Hole, D. G., Martin, T. G., **Pacifici, M.**, Pierce-Higgins, J. W., Platts, P. J., Visconti, P., Watson, J. E. M., Huntley, B. (2019). Climate change vulnerability assessment of species. *Wiley Interdisciplinary Reviews: Climate Change*, 10(1), e551.

Pacifici, M., Attorre, F., Martellos, S., Bego, F., De Sanctis, M., Hoda, P., Meço, M., Rondinini, C., Saçdanaku, E., Salihaj, E., Scepi, E., Shuka, L., Ghiurghi, A. BioNNA: the Biodiversity National Network of Albania. (2018) *Nature Conservation*, 25: 77–88.

<https://doi.org/10.3897/natureconservation.25.22387>

Bego, F., Saçdanaku, E., **Pacifici, M.**, Rondinini, C. Small terrestrial mammals of Albania: distribution and diversity (Mammalia, Eulipotyphla, Rodentia). (2018). *ZooKeys* 742:

127-163. <https://doi.org/10.3897/zookeys.742.22364>

Bego, F., Saçdanaku, E., **Pacifici, M.**, and Rondinini, C. TË DHËNA TË REJA MBI GJITARËT E VEGJËL (MAMMALIA: EULIPOTYPHLA, RODENTIA) TË SHQIPËRISË, ME 2 LLOJE QË RAPORTOHEN PËR HERË TË PARË PËR VENDIN. (2017) Buletini i Shkencave të Natyrës / *Bulletin of science and the natural sciences*.

Pacifici, M., Visconti, P., and Rondinini, C. A framework for the identification of hotspots of climate change risk for mammals. (2018). *Global Change Biology*, 24:1626–1636. <https://doi.org/10.1111/gcb.13942>

Pacifici, M., Visconti, P., Butchart, S.H.M., Watson, J.E.M., Cassola, F.M., and Rondinini, C. Species' traits influenced their response to recent climate change. (2017) *Nature Climate Change*, 10.1038/nclimate3223.

Scheffers, B., De Meester, L., Hoffmann, A.A., Pandolfi, J., Corlett, R., Butchart, S., Pearce-Kelly, P., Kovacs, K., Dudgeon, D., **Pacifici, M.**, Rondinini, C., Foden, W., Martin T., Mora, C., Bickford, D., Watson, J. The broad footprint of climate change from genes to biomes to people. (2016) *Science*, 354 (6313) doi: 10.1126/science.aaf7671.

Pacifici, M. Influenza dei cambiamenti climatici sul rischio di estinzione. (2016) *Sapere*, 5, 34-38 DOI: 10.12919/sapere.2016.05.5.

Pacifici, M., Visconti, P., Scepi, E., Hausmann, A., Attorre, F., Grant, R., and Rondinini, C. (2015). Fire policy optimization to maximize suitable habitat for locally rare species under different climatic conditions: A case study of antelopes in the Kruger National Park. *Biological Conservation*, 191, 313-321.

Pacifici, M., Foden, W.B., Visconti, P., Watson, J.E.M., Butchart, S.H.M., Kovacs, K.M., Scheffers, B.R., Hole, D.G., Martin, T.G., Akçakaya, H.R., Corlett, R.T., Huntley, B., Bickford, D., Carr, J.A., Hoffmann, A.A., Midgley, G.F., Pearce-Kelly, P., Pearson, R.G., Williams, S.E., Willis, S.G., Young, B. and Rondinini, C. (2015) Assessing species vulnerability to climate change. *Nature Climate Change* 5, 215–225.

Budiharta, S. Meijaard, E., Erskine, P.D., Rondinini, C., **Pacifici, M.**, and Wilson, K.A. Restoring degraded tropical forests for carbon and biodiversity. (2014). *Environmental Research Letters* 9: 114020. doi:10.1088/1748-9326/9/11/114020

Pacifici, M., Santini, L., Di Marco, M., Baisero, D., Francucci, L., Grottole Marasini, G., Visconti, P., and Rondinini, C. (2013) Generation length for mammals. *Nature Conservation* 5: 87–94. doi: 10.3897/natureconservation.5.5734 Resource ID: Dryad key: 10.5061/dryad.2jd88

Guidelines, technical reports and other relevant documents

R.J. Bijlsma, E. Agrillo, F. Attorre, L. Boitani, A. Brunner, P. Evans, R. Foppen, S. Gubbay, J.A.M. Janssen, A. van Kleunen, W. Langhout, R. Noordhuis, **M. Pacifici**, I. Ramírez, C. Rondinini, M. van Roomen, H. Siepel & H.V. Winter. (2019) Defining and applying the concept of Favourable Reference Values for species and habitats under the EU Birds and Habitats Directives. Technical report.

R.J. Bijlsma, E. Agrillo, F. Attorre, L. Boitani, A. Brunner, P. Evans, R. Foppen, S. Gubbay, J.A.M. Janssen, A. van Kleunen, W. Langhout, R. Noordhuis, **M. Pacifici**, I. Ramírez, C. Rondinini, M. van Roomen, H. Siepel & H.V. Winter. (2019) Defining and applying the concept of Favourable

Reference Values for species and habitats under the EU Birds and Habitats Directives. Examples of setting favourable reference values.

Foden, W.B. and Young, B.E. (eds.) (2016). IUCN SSC Guidelines for Assessing Species' Vulnerability to Climate Change. Version 1.0. Occasional Paper of the IUCN Species Survival Commission No. 59. Cambridge, UK and Gland, Switzerland: IUCN Species Survival Commission. x+114pp. Contributing author.

BirdLife International and National Audubon Society (2015). The Messengers: What birds tell us about threats from climate change and solutions for nature and people. [Adamik, P., ..., **Pacifici, M.**, ...]. Cambridge, UK and New York, USA: BirdLife International and National Audubon Society.

van Hinsberg, A., et al. BioScore 2.0. Tussenrapportage WOT-04-011-036.50. No. 87. Wettelijke Onderzoekstaken Natuur en Milieu (2014). Technical report. Contributing author.

13. ORGANIZATION OF CONGRESSES

2020 Organizer of the session "Knowledge, gaps, and action planning for tackling global biodiversity loss under future socio-economic development" at the ESOE (Euroscience Open Forum) 2020 conference – Trieste 5th – 9th July 2020.

2015 Organizer of the symposium "The (macro)ecology of animal species decline" at EEF and 25th SItE Conference - Rome 21 st- 25 th September 2015.