Sonia Smeraldo

Born in Salerno (Italy) on 05/06/1989

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Current Position: Post Doc.

Supervisor: Dr. Ernesto Azzurro, Senior Researcher at the Italian National Research Council CNR-IRBIM

Appointed on project: MPA Engage: Engaging Mediterranean key actors in Ecosystem Approach to manage Marine Protected Areas to face Climate change

Affiliation:
Section of Fano Marine Center (IME), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Biology, University of Fisciano, Salerno, Italy	Bachelor's Degree	2008-2012	Biological sciences
Department of Agriculture, University of Naples "Federico II", Naples, Italy	Master's Degree	2012-2014	Forestry and Environmental Sciences
Department of Agriculture, University of Naples "Federico II", Naples, Italy	PhD	2014-2018	Ecological and Species Distribution models for species conservation
Department of Agriculture, University of Naples "Federico II", Naples, Italy	Postdoc	2019-2020	Species distribution models

Appointments and awards

2016: Winner of the best poster at the IV Conference SECEMU for the research and protection of bats, CIBIO-Research Center in Biodiversity and Genetic Resources, Porto (Portugal)

Other matters relevant to scientific career

Member of the research group for biodiversity conservation "Wildlife Research Unit" (WRU) Dipartiment of Agricolture, University of Naples Federico II.

Collaboration to the project "Applications of Species Distribution Models to animal conservation and invasion ecology". Group leader: Prof. Danilo Russo.www.researchgate.net/project/Applications-of-Species-Distribution-Models-to-animal-conservation-and-invasion-ecology

Collaboration with the Research Center of InBIO/CIBIO (Centro de Investigaçao em Biodiversidade e Recursos Genéticos), Campus Agrario de Vairão, Portugal.

Publications

Author of 8 publications on ISI-journals

List of publications of the last 10 years

Journal Papers

Russo D, Di Febbraro,M. Cistrone L, Jones G, Smeraldo S, Garonna AP, Bosso L. (2015). Protecting one, protecting both? Scale-dependent ecological differences in two species using dead trees, the rosalia longicorn beetle and the barbastelle bat. J Zoo, 297(3): 165-175

Smeraldo S, Di Febbraro M, Ćirović D, Bosso L, Trbojević I, Russo D. (2017). Species distribution models as a tool to predict range expansion after reintroduction: A case study on Eurasian beavers (*Castor fiber*). J Nat Conserv, 37: 12-20

Bosso L, Luchi N, Maresi G, Cristinzio G, Smeraldo S, Russo D. (2017). Predicting current and future disease outbreaks of *Diplodia sapinea* shoot blight in Italy: species distribution models as a tool for forest management planning. Forest Ecol Manag, 400: 655-664

Bosso L, Smeraldo S, Rapuzzi P, Sama G, Garonna AP, Russo D. (2017). Nature protection areas of Europe are insufficient to preserve the threatened beetle *Rosalia alpina* (Coleoptera: Cerambycidae): evidence from species distribution models and conservation gap analysis. Ecol Entomol, 43(2): 192-203

Smeraldo S, Di Febbraro M, Bosso L, Flaquer C, Guixé D, Lisón F, Meschede A, Juste J, Prüger J, Puig-Montserrat X, Russo D. (2018). Ignoring seasonal changes in the ecological niche of non-migratory species may lead to biases in the potential distribution models: lessons from bats. Biodiver Conserv, 27(9): 2425-2441

Bosso L, Ancillotto L, Smeraldo S, D'arco S, Migliozzi A, Conti P, Russo D. (2018). Loss of potential bat habitat following a severe wildfire: a model-based rapid assessment. Int J Wildland Fire, 27(11): 756-769

Ancillotto L, Bosso L, Smeraldo S, Mori E, Mazza G, Herkt M, Galimberti A, Ramazzotti F, Russo, D. (2020). An African bat in Europe, Plecotus gaisleri: Biogeographic and ecological insights from molecular taxonomy and Species Distribution Models. Ecol Evol, 10: 5785–5800

Smeraldo S, Bosso L, Fraissinet M, Bordignon L, Brunelli M, Ancillotto L, Russo D. (2020). Modelling risks posed by wind turbines and power lines to soaring birds: the black stork (Ciconia nigra) in Italy as a case study. Biodiver Conserv, 1-18