

# Sofia Prandelli

Ecologist/Analyst, MsC.

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19/03/1996



Currently holding the position of PhD Candidate at the Biological, Geological and Environmental sciences Department of University of Bologna, with a particular focus on the impacts induced by anthropic infrastructures on biodiversity and ecosystems. Sensitive to environmental and ecological issues, related in particular to global change and manageable through mitigation and adaptation solutions applied to both natural and anthropized systems.

## Education

- 2022-Now **University of Bologna**, *Ph.D student*, "Assessment and mitigation of the impacts on biodiversity induced by railway infrastructures, as well as Carbon Dioxide balance"
- 2019–2022 **University of Bologna**, *M.Sc.*, Global change ecology and sustainable development goals
- 2017–2018 **University of Basque Country**, *B.sc.*, Erasmus for studies - Science and technology for the environment
- 2015–2019 **University of Milano Bicocca**, *B.Sc.*, Science and technology for the environment
- 2010–2015 **Leonardo High School, Brescia**, Scientific high school

## Professional experiences

- 2024 **Conservation Biology tutor**, *Tutor for University of Bologna course "Conservation Biology"*
- 2022 **Teaching**, *Olivieri-Tartaglia High School, Brescia, Biology and chemistry professor*
- 2020 **Internship**, *University of Bologna, TexTour Projet - Rethinking Cultural Tourism in Europe and beyond*
- 2018 **Internship**, *Municipality of Brescia, Regulatory and administrative aspects related to the remediation of contaminated sites*

## Other Research activities

- 2023 **Fontanili di Corte Valle Re Natural Reserve (Reggio Emilia, Italy)**, *Field data collection on noise pollution*
- June 2023 **Agri Valley (Potenza, Italy)**, *Field data collection on small mammals samples*

## Event organization

- June 2024 **ECCB 2024, Bologna, Role: Organizer** of the 7th European Congress of Conservation Biology
- June 2023 **Horizon Europe EarthBridge, Bologna, Role: Organizer** of the Project EarthBridge - Building Bridges between Earth observation and Environmental Sciences

## Membership to Scientific Associations

- 2022 Member of Society for Conservation Biology (SCB) [<https://scbitaly.org/>]

## Conferences

- June 2024 **ECCB 2024, Bologna, 7th European Congress of Conservation Biology**, Oral presentation  
*"Assessing and balancing the impacts of railways on biodiversity and carbon stocks"*
- April 2023 **Society for conservation Biology (SCB), Rome**, Challenging Conservation - Early Career Researcher, Poster presentation  
*"Impacts of high-speed infrastructures on bird diversity in the regional Natural Reserve Fontanili di Corte Valle Re, Italy"*

## Publications and conferences abstracts

- 2024 **ECCB 2024**, Bologna, Author, "*Assessing and balancing the impacts of railways on biodiversity and carbon stocks*"  
conferences abstracts
- 2024 **ECCB 2024**, Bologna, Co-Author, "*A case study on the impact of coppicing for small mammal conservation in Italy*"  
conferences abstracts
- 2024 **Environmental Science and Pollution Research**, Author, "*Impacts of noise pollution from high-speed rail and road on bird diversity: a case study in a protected area of Italy*"
- 2024 **Journal for Nature Conservation**, Co-Author, "*EU2030 Biodiversity Strategy: Unveiling gaps in the coverage of ecoregions and threatened species within the Strictly Protected Areas of Italy*"
- 2023 **Society of conservation Biology (SCB)**, Rome, Author, "*Impacts of high-speed infrastructures on bird diversity in the regional Natural Reserve Fontanili di Corte Valle Re, Italy*"  
conferences abstracts

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## Certified courses

- 2024 **Artificial intelligence & Machine Learning** , Ifoa (UE)
- 2023 **Scientific writing and communication**, Univeristy of Bologna
- 2023 **Fundamental of statistics in R**, Univeristy of Bologna
- 2022 **Peer review excellence: IOP training and certification**, IOP Publishing
- 2021 **Anthropo-psycho-pedagogical disciplines and didactic methodologies and technologies for school teaching**, University of Bologna

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## Work safety certificates

- 2021 **General Safety and Health Training**, University of Bologna, Geological/Naturalistic Risk
- 2021 **General Safety and Health Training**, University of Bologna, Chemical-Biological/Naturalistic Risk

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## Volunteering

- 2021-Now **Volunteer**, Worldrise Onlus, communication and dissemination sector

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## Language

- C2 Italian (Native language)
- B2 English
- B1 Spanish

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## Computer Skills

- Microsoft Office
- iWork
- Qgis
- Google Earth Engine
- R (Language)
- Python (Language)
- Javascript (Language)
- LaTex
- Github

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## Further information

**Linkedin** <https://www.linkedin.com/in/sofia-prandelli-44b8111b9/>