

Camera trapping is a powerful and widely used tool in scientific research on wildlife ecology and management. It provides a unique opportunity for documenting the presence of animals, estimating species abundance and density, investigating ecology, or recording and studying behaviour. Its visual nature makes it easy to successfully convey findings to a wide audience.

This book provides a much-needed guide to the use of camera trapping for the most common ecological applications to wildlife research. Each phase involved in the use of camera trapping is covered:

- » Defining the sampling design: presence/absence, species inventory, occupancy at species level, community-level analysis, capture-recapture for density estimation, behavioural studies
- » Set-up and field deployment of camera traps
- » Data storage, management and analysis for your research topic, with illustrative examples using R and dedicated data management software
- » Using camera trapping for monitoring, conservation and public engagement

About the Editors

Francesco Rovero is an ecologist and conservation scientist with a PhD in animal ecology. He is currently the Curator for Tropical Biodiversity at MUSE-Science Museum in Trento, Italy.

Fridolin Zimmermann is a carnivore conservation scientist with a PhD on Eurasian lynx conservation and ecology. He is currently coordinator of large carnivore monitoring at Carnivore Ecology and Wildlife Management (KORA) in Bern, Switzerland.

Collectively the editors have nearly 30 years of professional experience in the use of camera trapping for wildlife research, and have worked on a range of species, habitat and study types.

About the Data in the Wild series

A series of practical books, sharing key tools and methods for the collection, analysis and interpretation of environmental data.

Cover image: Leopard (*Panthera pardus*) camera trapped in lowland rainforest in the Udzungwa Mountains of Tanzania (Rasmus Gren Havmøller and Francesco Rovero).

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