LUCILE MARESCOT
Conservation consulting
Data scientist

PROFILE

My research focus on the climatic, anthropogenic and epidemiological processes driving population dynamics and spatial distirbution of endangered species. My work consists mainly in using modeling and statistical tools as well as expert and stakeholder knowledge to guide wilflide managers and policy makers in the conservation decision.

I communicate about conservation issues through scientific publication, congress talks, teaching, and workshops. I intend to pursue my carrier as a freelance promoting evidenced-based policies for the protection of vulnerable marine or terrestrial ecosystems.

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EDUCATION

2009-12 Ph.D, Population Ecology and Biostatistics, University of Montpellier

2008 Master 2 of Evolutionary Biology and Ecology, University of Montpellier II

2007 Major in Wildlife and Forest Ecology, University of Wisconsin, Madison, USA

2005-2008 Engineer degree in Agronomy, SupAgro, Montpellier, France

SKILLS

R, NETLOGO, E-SURGE, SIG, BASIC SKILLS IN MATLAB, C++, WINBUGS

WRITING
15 Scientific publications:
https://lucilemarescot.wordpress.com/research/

ORAL
10 scientific internatinal congress
LANGUAGE
French: native tongue, English: fluent (US citizen mother), Portuguese (Brazil), Spanish (Beginner)

EXPERTISE

PROGRAMMING AND DATA ANALYSIS

MONITORING DESIGN

PROJECT MANAGEMENT

CONSULTING

SCIENTIFIC AND TECHNOLOGICAL WATCH

EXPERIENCE

ENVIRONMENTAL CONSTULTING

- **Talks in International Congresses** of conservation biology in Kuala Lumpur (Malaysia), Edmonton (Canada), Epidemics (Barcelona), ISEC saint Andrew (Scotland), ESA Sacramento (California)...
- **Teaching and special lectures:** 4 hours of lectures on adaptive management
  - 4 hours of lectures on predator-prey interactions
  - consulting scientist in WWF and WCS for the annual meeting of zero-poaching and law enforcement (2017 in Phnom Pen Cambodia and 2018 in New-York City USA)
  - 60 hours of courses in descriptive statistics in ecology
- **Workshops:**
  2019 Berlin : Recent advances in Capture Recapture studies with Olivier Gimenez
  2018 Montpellier : Evalutation of the conservation status of endangered species
  2017 Berlin : Matrix population model application in epidemiology wit:h Jean-Dominique Lebreton
- **Supervision** : Master and PhD students: Adaptive monitoring, Spatial interactions, Survival analysis
- Consulting : Scientific report on Biodiveristy index with Valerie Tiersen from The Camp Aix en Provence

DATA SCIENTIST AND PROJECT MANAGEMENT

- Monitoring, studying and managing wolf population in France
- Monitoring, studying and managing pumas, bear, lynx, coyotes and deer population in California
- Modelling transmission patterns of CDV virus in the spotted hyena population in Serengeti
- Infering wildlife poaching in South-East asia and determining optimal ranger patrol in time and space

CEFE-ONCF
2009-2012

UC DAVIS
2013-2015

IZW BERLIN
2015-2017

CNRS-WWF
2017-2020