

Valentin Lauret

Statistical ecology & social sciences

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RESEARCH EXPERIENCE

Jan 2024- Ongoing

Postdoctoral researcher

Role and perception of ecological knowledge in biodiversity management

with Beatriz Arroyo and Miguel Delibes-Mateos, IREC-CSIC-UCLM, Spain

Jan 2022- Dec 2023

Postdoctoral researcher

Integrating ecological data on migratory birds and seabirds in the NW Mediterranean Sea

with Aurélien Besnard, CEFE-CNRS and France Energies Marines, funded by the French Office for Biodiversity

Sep 2018- Oct 2021

PhD thesis

Ecological monitoring in Marine Protected Areas of the French Mediterranean Sea, an interdisciplinary approach about bottlenose dolphins

with Olivier Gimenez, University of Montpellier, CEFE-CNRS

Jan - Jun 2018

Student research project

Exploring adaptive monitoring for protected areas

with Olivier Gimenez, University of Montpellier, CEFE-CNRS

Aug - Dec 2018

Student research project

Understanding human dimensions associated with rodent outbreaks in Spain

with Beatriz Arroyo, Robert Mougeot, and Miguel Delibes-Mateos, IREC-CSIC-UCLM, Spain

Jan - Jun 2017

Msc thesis

Using opportunistic and uncertain data to study wolf recolonization in France

with Julie Louvrier and Olivier Gimenez, CEFE-CNRS

Feb - Jun 2016

1st year Msc internship

Applying multi-scale habitat suitability models to the Mexican Spotted Owl in Southwestern USA

with Samuel A. Cushman and Ho Yi Wan, Rocky Mountain Research Station, U.S. Forest Service, Flagstaff, Arizona, USA

Jun - Aug 2015

Bsc internship

Citizen science and the urban flora of Scotland

with John Grace, University of Edinburgh, Botanical Society of Scotland, Edinburgh, Scotland

EDUCATION

2018-2021

PhD in Population biology and Ecology

University of Montpellier, France

2015-2017

Master degree in Biological sciences

Ecole Normale Supérieure de Lyon, University of Lyon, France

2014-2015

Bachelor degree in Geosciences, Paleontology, Evolution

Ecole Normale Supérieure de Lyon, University of Lyon, France

2012-2014

Preparatory classes for engineering schools

Biology, Chemistry Physics, Mathematics, and Earth Sciences
Lycée Joffre, Montpellier, France

2012

French high school diploma

Valence, France

PUBLICATIONS

- Lauret, V., Labach, H., Turek, D., Laran, S., & Gimenez, O. (2022). Integrated spatial models foster complementarity between monitoring programmes in producing large scale bottlenose dolphin indicators. *Animal Conservation*, 11. <https://doi.org/10.1111/acv.12815>
- Lauret, V. (2021). *Étudier les suivis écologiques dans les Aires Marines Protégées de Méditerranée française : Une approche interdisciplinaire autour du grand dauphin* [PhD thesis, Université Montpellier]. <https://tel.archives-ouvertes.fr/tel-03553990>
- Lauret, V., Labach, H., Authier, M., & Gimenez, O. (2021). Using single visits into integrated occupancy models to make the most of existing monitoring programs. *Ecology*. <https://doi.org/10.1002/ecy.3535>
- Labach, H., Azzinari, C., Barbier, M., Cesarini, C., Daniel, B., David, L., Dhermain, F., Di-Méglio, N., Guichard, B., Jourdan, J., Lauret, V., Robert, N., Roul, M., Tomasi, N., & Gimenez, O. (2021). Distribution and abundance of common bottlenose dolphin (*Tursiops truncatus*) over the French Mediterranean continental shelf. *Marine Mammal Science*. <https://doi.org/10.1111/mms.12874>
- Lauret, V., Delibes-Mateos, M., Mougeot, F., & Arroyo-Lopez, B. (2020). Understanding conservation conflicts associated with rodent outbreaks in farmland areas. *Ambio*, 49(5), 1122–1133. <https://doi.org/10.1007/s13280-019-01256-0>
- Wan, H. Y., McGarigal, K., Ganey, J. L., Lauret, V., Timm, B. C., & Cushman, S. A. (2017). Meta-replication reveals nonstationarity in multi-scale habitat selection of Mexican Spotted Owl. *The Condor*, 119(4), 641–658. <https://doi.org/10.1650/CONDOR-17-32.1>
- Louvrier, J., Duchamp, C., Lauret, V., Marboutin, E., Cubaynes, S., Choquet, R., Miquel, C., & Gimenez, O. (2017). Mapping and explaining wolf recolonization in France using dynamic occupancy models and opportunistic data. *Ecography*. <http://onlinelibrary.wiley.com/doi/10.1111/ecog.02874/full>

PREPRINTS

- Lauret, V., Gimenez, O., Labach, H., & Lescureux, N. (2022). Understanding ecological monitoring in Marine Protected Areas, perceptions from protected areas agents in the French Mediterranean Sea. <https://doi.org/10.31235/osf.io/4875b>

TEACHING

2024

Introduction to ecological data analysis

3 days workshop to introduce the analysis of ecological data to generalist researchers
IREC - CSIC

2023-2024

Population ecology

9h for 3rd year professional bachelor students in Study and development of natural areas
University of Montpellier

2022-2023

2023-2024

Biodiversity sampling

2x27h for 1st year Msc students in Biodiversity conservation
University of Montpellier

2021-2022

2022-2023

Internship jury for M1 Biodiversity management

University of Montpellier

2019

Leading stakeholders working groups to assess bottlenose dolphins conservation priorities in the Mediterranean Sea

INTERACT project with MIRACETI NGO

2019, 2020, 2021

Teaching photo-identification monitoring of bottlenose dolphins to Marine Protected Areas managers of the French Mediterranean Sea

TURSMED projects with MIRACETI NGO, French Mediterranean Sea

2018-2019

2019-2020

Ecology, concepts and methods

2x40h for 2nd year Bsc students in Population biology

University of Montpellier

2018-2019

2019-2020

Data processing and biostatistics for biologists

2x32h for 1st year Msc students in Ecology and Evolution

University of Montpellier

TALKS

2021

Euring Analytical Meeting

Integrated spatial model to produce large scale ecological indicators

Virtual meeting

2019

World Marine Mammals Conference

Combining multiple surveys increases precision and provide more reliable mapping of marine mammals distribution

Barcelona, Spain

2018

Pathways: Human Dimensions of Wildlife Conference

Using Q-method for understanding conservation conflicts: common voles in Spanish farmlands

Oral presentation performed by Beatriz Arroyo on my behalf

<https://digital.csic.es/handle/10261/175502>

Goslar, Germany

2021-2020-2018

French Ecostat Research Group

Scientific talks during yearly national meetings

AWARDS and GRANTS

2023

Juan de la Cierva 2022 - Postdoctoral research grant

Agencia Estatal de Investigación

2020

Best student talk price

EURING Analytical Meeting

2019

Field work grant

Young researcher grant from the French Society for Ecology and Evolution

OTHER SKILLS

FIELD WORK

2021 - Ongoing

Pyrenean brown bear monitoring

Member of national bear network of the

French Biodiversity Office

French Pyrénées

2019, 2020

Leading social interviews with Marine

Protected Areas agents

French Mediterranean Sea

2019, 2020, 2021

Bottlenose dolphins photo-identification expedition

3 weeks at-sea for marine mammals monitoring

French Mediterranean Sea

2018

Leading social interviews

with farmers, hunters, conservationists, and members of local government

Castilla y León, Spain

2017

Monitoring Mexican Spotted Owl

nesting sites in the Grand Canyon National
Park

Arizona, USA

LANGUAGES

French, English, and Spanish

RESEARCH ANIMATION

2018-2019

Member of the Temporary people committee
of the CEFE

2023- Ongoing

Member of the board of the French Statistical
Ecology research group

COMPUTER AND CODE

Advanced R

Bayesian statistics

Spatial data and GIS with R

Basics of Python and Matlab

Reproducible science and code: Git,

Markdown/Quarto, Latex

MCMC methods with JAGS and NIMBLE