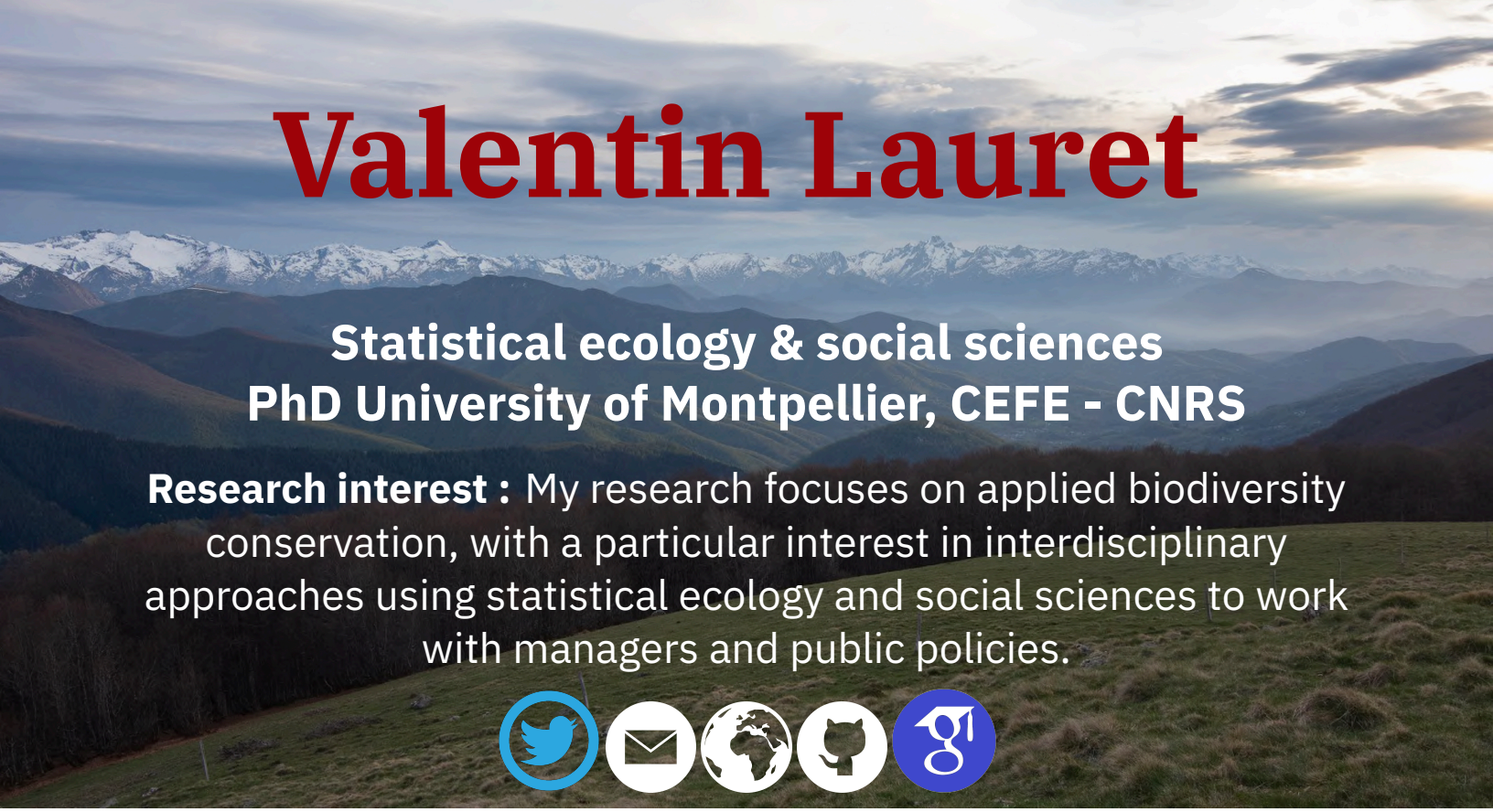

Valentin Lauret

Statistical ecology & social sciences
PhD University of Montpellier, CEFE - CNRS

Research interest : My research focuses on applied biodiversity conservation, with a particular interest in interdisciplinary approaches using statistical ecology and social sciences to work with managers and public policies.

EXPERIENCE

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, Ciudad-Real, Spain

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Jan - Jun 2017
Msc thesis
Using opportunistic and uncertain data to study wolf recolonization in France
with Julie Louvrier and Olivier Gimenez, University of Montpellier, CEFE-CNRS

Feb - Jun 2016
1st year Msc internship
Applying multi-scale habitat suitability models to the Mexican Spotted Owl in South-western 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
Ecological monitoring in Marine Protected Areas of the French Mediterranean Sea, an interdisciplinary approach about bottlenose dolphins
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, Chemistery Physics, Mathematics, and Earth Sciences
Lycée Joffre, Montpellier, France

2012
French high school diploma
Valence, France

ADDITIONAL SKILLS

Languages

French, English, and Spanish

Ecological modelling and statistics

Population dynamics, occupancy models, spacial capture-recapture, distance sampling
Adaptive management & monitoring
Spatial statistics
Bayesian statistics

Computer and code

Advanced R programming
Spatial ecology and GIS with R
Basics of Python and Matlab
Reproductible science and code with Markdown and Git
MCMC optimization with JAGS and NIMBLE

Scientific field work

2019, 2020, 2021
French Mediterranean Sea
Bottlenose dolphins photo-identification expedition
3 weeks at-sea for marine mammals monitoring

2018, Castilla y Léon, Spain
Leading social interviews
with farmers, hunters, conservationists, and members of local government

2017, Arizona, USA
Monitoring Mexican Spotted Owl
nesting sites in the Grand Canyon National Park

TEACHING EXPERIENCE

2019
Organizing inter-professionnal working groups to identify bottlenose dolphins priorities in the Mediterranean Sea
INTERACT project with MIRACETI NGO, Nice, France

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: 40h for 2nd year Bsc students in Population biology
Conducting experimental ecology projects, discovering scientific writing, population biology, evolution
University of Montpellier

2018-2019
2019-2020
Basics in data processing and biostatistics for biologist: 32h for 1st year Msc students in Ecology and Evolution
Initiation to statistics, R programming, linear models
University of Montpellier

PUBLICATIONS

Have a look on Scholar

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*, *n/a*. 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

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

Lauret, V., Labach, H., Turek, D., Laran, S., & Gimenez, O. (2021). Spatial integrated models foster complementarity between monitoring programs in producing large-scale ecological indicators. *Under Review in Animal Conservation*. https://doi.org/10.1101/2021.02.01.429097

Louvrier, J., Duchamp, C., Lauret, V., Marboutin, E., Cubaynes, S., Choquet, R., Miquel, C., & Gimenez, O. (2018). Mapping and explaining wolf recolonization in france using dynamic occupancy models and opportunistic data. *Ecography*, *41*(4), 647–660. https://doi.org/10.1111/ecog.02874

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

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