

Victor Cazalis

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<https://victorcazalis.github.io>



Junior researcher in conservation biology

Focus on international conservation in protected areas, Red List and interests in social sciences

Academic career

12 publications (8 as lead author)

Naturalist

Birds and Rhopalocera

Strong analytic skills

Analysing large databases (eg eBird) in R, statistics, GIS

Communication

Academic writing, outreach, press release

Education

Sept 2016 Jun 2017	MSc (2nd year) in Theoretical Ecology and Modelling <i>National Museum of Natural History, Paris - France</i>	"Ecologie Théorique et Modélisation"
Sept 2015 Jun 2016	MSc (1st year) in Ecological Modelling <i>University of Rennes 1 - France</i>	"Modélisation en Ecologie"
Sept 2011 Jun 2014	BSc in Ecology and Biology of Organisms <i>University of Montpellier - France</i>	"Ecologie et Biologie des Organismes"

Research experience

Feb 2021 Jan. 2023	Post-doc: Accelerating IUCN Red List assessments for rapid and effective biodiversity monitoring (sRedList synthesis Working Group). Leading research projects, animation of the Working Group, conception of an online platform to support assessments. <i>German Centre for Integrative Biodiversity Research (iDiv), Leipzig - Germany</i>	Luca Santini Moreno Di Marco
Oct 2017 Nov 2020	PhD: How much difference are protected areas making in conservation? - large citizen science (eBird, BBS, PECBMS) analyses, spatial analyses on land cover and protected areas, international conservation. Grant from the University of Montpellier. <i>Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier - France. Awarded on the 9 November 2020.</i>	Ana S.L. Rodrigues
Jan 2017 Jun 2017	MSc (2nd year) research project: Theoretical dynamic modelling of the interaction between human demography and ecosystem services. Resulted in 1 publication <i>Centre for Biodiversity and Theoretical Modelling, Moulis - France</i>	Kirsten Henderson Michel Loreau
Apr 2016 Jul 2016	MSc (1st year) research project: Impact of the creation of a highspeed railway on a population of stone curlews, <i>Burhinus oedicnemus</i> , in the "Costières de Nîmes" area - fieldwork, data analyses (distance sampling, site occupancy and N-mixture models). <i>Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier - France</i>	Pierrick Devoucoux Aurélien Besnard
Aug 2014 Oct 2014	Fieldwork volunteering: Use of magnetic cues in willow warbler's (<i>Phylloscopus trochilus</i>) migration - bird catching and caring, behavioural experiments. <i>Centre for Animal Movement Research, Lund - Sweden</i>	Mihaela Ilieva Susanne Åkesson

Peer-reviewed publications

Min. rev.	Cazalis V. . Species richness response to human pressure hides important assemblage transformations. <i>In minor revision in PNAS</i> .
Accepted	Cazalis V. , di Marco M., [...], Santini L. Bridging the research-implementation gap in IUCN Red List assessments. <i>Accepted in Trends in Ecology and Evolution</i> .
Accepted	Cazalis V. , Loreau M., Barragan-Jason G. Is the extinction of experience a reality? A global synthesis of trends in human interactions with nature. <i>Accepted in Frontiers in Ecology and the Environment</i> .
2021	Cazalis V. , Barnes M.D., Johnston A., Watson J.E.M., Şekercioğlu C., Rodrigues A.S.L. (2021). Mismatch between bird species sensitivity and protection of intact habitats across the Americas. <i>Ecology Letters</i> 24(11): 2394-2405.
2021	Bernard A., Rodrigues A.S.L., Cazalis V. , Grémillet D. (2021). Towards a global strategy for seabird tracking. <i>Conservation Letters</i> 14(3) e12804.
2020	Rodrigues A.S.L., Cazalis V. (2020). The multifaceted challenge of evaluating protected area effectiveness. <i>Nature Communications</i> 11:5147.
2020	Maxwell S.L., Cazalis V. , [...], Watson J.E.M. (2020). Area-based conservation in the twenty-first century. <i>Nature</i> 586: 217-227.
2020	Cazalis V. , Princé K., Mihoub J.-B., Kelly J., Butchart S.H.M., Rodrigues A.S.L. (2020). Effectiveness of protected areas in conserving tropical forest birds. <i>Nature Communications</i> 11:4461.
2020	Gaget E., Le Viol I., Pavón-Jordán D., Cazalis V. , [...], Galewski T. (2020). Assessing the effectiveness of the Ramsar Convention in preserving wintering waterbirds in the Mediterranean. <i>Biological Conservation</i> 243: 108485.
2019	Cazalis V. , Prévot A.-C. (2019). Are protected areas effective in conserving human connection with nature and enhancing pro-environmental behaviours? <i>Biological Conservation</i> 236: 548-555.
2019	Cazalis V. , Belghali S., Rodrigues A.S.L. (2021). Using a large-scale biodiversity monitoring dataset to test the effectiveness of protected areas in conserving North-American breeding birds. <i>Peer Community Journal</i> 1 e3. [The article was recommended by PCI in 2019 and integrated in an issue in 2021 only]
2018	Cazalis V. , Loreau M., Henderson K. (2018). Do we have to choose between feeding the human population and conserving nature? Modelling the global dependence of people on ecosystem services. <i>Science of the total environment</i> 634: 1463-1474.

Scientific skills

Analytical

 **R:** high skills in R data processing and analyses (inc. large datasets) and programming

 **GIS:** advanced skills using QGis for visualisation and R for analyses (shp and rasters; use of the sf package)

 **Statistics:** GLMs, GAMs, mixed models, spatial analyses (GWR), basics in Bayesian statistics

Communication

 **Writing:** proficient in academic writing (inc. high-impact journals), as lead, last or co-author

 **Graphics:** advanced skills in R complex graphics (ggplot, maps), Inkscape, LaTeX

 **Outreach:** strong interest for years (lectures, journal articles, naturalist books, bird tours), press release during the PhD (national news, radio)

Naturalist

 **Birds:** Proficient field ornithologist for European birds (visual and auditory identification)

 **Rhopalocera:** basic knowledge of European butterflies and capture skills

 **Fieldwork:** standardised bird monitoring, bird ringing assistant, bird migration counts

Technical publications

2019	COGard (2019). Atlas des oiseaux du Gard, enquête 2009-2017. COGard, Saint-Chaptes, 400p. <i>Atlas of the birds of the Gard, participation in fieldwork (2012-2016), coordination, and writing (22 species monographs and general chapters).</i>
2016	Cazalis V., Devoucoux P., Besnard A. (2016). Analyse de la sélection de l'habitat chez l'Oedicnème criard (<i>Burhinus oedicnemus</i>) dans le contexte de la construction de la ligne TGV en Costières nîmoises. <i>Report to the Regional Direction of the Environment and Land Management (DREAL)</i> , Montpellier, 29p.

Scientific oral presentations

2022	Cazalis V. Protected areas: are current policies effectively conserving nature? <i>Invited seminar at the EDB lab, Toulouse - France</i> , 11th of January 2022
2021	Cazalis V. New empirical evidence on humans' effect on assemblage species richness. <i>Talk at the SCCS New-York</i> , 6th of October 2021
2021	Cazalis V. Unravelling ecological thresholds in human impact on species richness. <i>Short talk at the BES Macro conference</i> , 7th of July 2021
2021	Cazalis V. Protected area effectiveness: using eBird data to evaluate conservation actions. <i>Invited seminar at the Cornell Lab of Ornithology, US</i> , 12th of March 2021
2021	Cazalis V. Effectiveness of protected areas: is the cornerstone of biodiversity conservation really enabling the protection of nature? <i>Invited seminar at the CESCO-MNHN, Paris - France</i> , 8th of February 2021
2020	Cazalis V. Effectiveness of protected areas: is the cornerstone of biodiversity conservation really enabling the protection of nature? <i>Invited seminar at the SETE, Moulis - France</i> , 30th of November 2020
2019	Cazalis V., Prévot A.-C. Are protected areas enhancing pro-environmental behaviours? <i>Student Conference on Conservation Science, Cambridge - UK</i> , 26th of March 2019
2019	Cazalis V. Are protected areas effective at conserving bird species and at enhancing human pro-environmental behaviours? <i>Invited seminar at the Tour du Valat, Arles - France</i> , 11th of March 2019
2018	Cazalis V., Belghali S., Rodrigues A.S.L. Investigating protected areas effectiveness using North-American BBS. <i>International Conf. on Ecological Science, SFE2, Rennes - France</i> , 24th of October 2018

Outreach

2021	Outreach: Writing two articles in a French conservation management journal (<i>Courrier de la Nature</i>), on Aichi Target 11 and on the post-2020 Global Biodiversity Framework.
2020	Media: press release following Cazalis et al. (2020) resulting in 2 press articles. French press release following Maxwell et al. (2020), resulting in a press article in national news (<i>Le Monde</i>).
2019	Media: press release following Cazalis and Prévot (2019); resulted in 7 press articles (systematically following an interview), 4 radio interviews, 3 presentations for policy makers.
2013 now	Outreach activities: lectures (11 events on bird migration), activities in highschools (5 events), activities in schools (7 events), birding tours (8 events), Festival of Science (2 events), local journals (12 articles).

Science-policy interface

2021-2022	Development of an online tool to support IUCN Red List assessment through automated analyses.
2021	Delegate to the Open-end Working Group 3 on the Post-2020 Global Biodiversity Framework for the German Center for Integrative Biodiversity Research (iDiv). <i>Online</i> . 23 Aug. - 3 Sep. 2021.

Teaching

2021	Lecture on writing a cover letter for academic journal submission. <i>iDiv</i> , PhD students.	6 hours
2019 2020	Lectures in Conservation Biology for Master's students in <i>University of Montpellier</i>	10 hours
2018 2019	Teaching assistant in Statistics for ecology for Bachelor students in <i>University of Montpellier</i>	24 hours

Student supervision

2022	Main supervisor of a Master's internship in Conservation Biology: Predicting species extinction risk using statistical models.	5 months
2020	Main supervisor of a Master's internship in Conservation Biology: Relative effectiveness of urban protected areas in conserving bird species from Latin America.	2 months
2019	Main supervisor of a Master's internship in Conservation Psychology: Which landscape characteristics enhance the adoption of pro-environmental behaviours by local inhabitants?	2 months
2018	Main supervisor of a Master's internship in Conservation Biology: Are protected areas effective in conserving European butterfly communities?	3 months

Reviews

2018 now	24 reviews for <i>Nature</i> , <i>Biological Conservation</i> , <i>Conservation Biology</i> , <i>Nature Communications</i> , <i>Methods in Ecology and Evolution</i> , etc. Publons profile: https://publons.com/researcher/1605670/victor-cazalis/
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Social skills

- ❖ Aptitude and appetite for team working
- ❖ Lab involvement (2019-2020: Students delegate at the lab board (CEFE); 2022: Chair of the scientific seminars series (*iDiv*)

Others



Driving licence



Languages: French (native), English (fluent), German (basics), Spanish (basics)

Personal interests

- ❖ Music (doublebass, drums, piano, cornetto)
- ❖ Hiking and cross-country skiing
- ❖ Handicraft (sewing, building)