

Victor Cazalis

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Junior researcher in conservation biology

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

Academic career

7 publications (4 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

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| 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

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| Feb 2021 Jan. 2023 | Post-doc: Accelerating IUCN Red List assessments for rapid and effective biodiversity monitoring. <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 |
| Sept 2014 Sept 2015 | Volunteering: Basic data analyses for bird ringing stations (Gedser, Falsterbo) and an NGO (COGard). | |

Peer-reviewed publications

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| In prep. | Huot L., Rodrigues A.S.L., Edwards D.P., Cazalis V. Urban protected areas retain tropical forest bird species but less than non-urban ones. <i>In prep.</i> |
| In prep. | Cazalis V. , Barnes M.D., Johnston A., Watson J.E.M., Şekercioğlu C., Rodrigues A.S.L. Protected areas in the Americas inadequate and insufficient to protect the most sensitive species. <i>In prep.</i> |
| In revision | Bernard A., Rodrigues A.S.L., Cazalis V. , Grémillet D. Towards a global strategy for seabird tracking. <i>Under major revision at Conservation Letters.</i> |
| 2020 | Rodrigues A.S.L., Cazalis V. (2020). The multifaceted challenge of evaluating protected area effectiveness. <i>Nature Communications 11:5147.</i> |
| 2020 | Maxwell S.L., Cazalis V. , [...], Watson J.E.M. (2020). Area-based conservation in the twenty-first century. <i>Nature 586: 217-227.</i> |
| 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 11:4461.</i> |
| 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 243: 108485.</i> |
| 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 236: 548-555.</i> |
| 2019 | Cazalis V. , Belghali S., Rodrigues A.S.L. (2019). Using a large-scale biodiversity monitoring dataset to test the effectiveness of protected areas in conserving North-American breeding birds. <i>BioRxiv, 433037, ver:4 peer-reviewed and recommended by PCI Ecology.</i> |
| 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 634: 1463-1474.</i> |

Technical publications

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| 2019 | COGard (2019). Atlas des oiseaux du Gard, enquête 2009-2017. COGard, Saint-Chartes, 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 oedecnemus</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), Montpellier, 29p.</i> |

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 auditive identification)



Rhopalocera: basic knowledge of European butterflies and capture skills



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

Scientific oral presentations

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| 2020 | Cazalis V. , (2020). 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. (2019). Are protected areas enhancing pro-environmental behaviours? <i>Student Conference on Conservation Science, Cambridge - UK</i> , 26th of March 2019 |
| 2019 | Cazalis V. , (2019). 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. (2018). Investigating protected areas effectiveness using North-American BBS. <i>International Conf. on Ecological Science, SFE2, Rennes - France</i> , 24th of October 2018 |

Outreach










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| 2020 | Media: press release following Cazalis et al. (2020) resulting in 2 press articles. Press release in France following Maxwell et al. (2020), resulting in a press article in national news (Le Monde). |
| 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 highschoools (5 events), activities in schools (7 events), birding tours (8 events), Festival of Science (2 events). |
| 2013 | Outreach articles: writing of 12 species monographic articles for a local monthly journal (Le Grillon). |

Teaching and supervising

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| 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 | Lectures in Conservation Biology for Master's students in <i>University of Montpellier</i> | 7 hours |
| 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 2019 | Teaching assistant in Statistics for ecology for Bachelor students in <i>University of Montpellier</i> | 24 hours |
| 2018 | Main supervisor of a Master's internship in Conservation Biology: Are protected areas effective in conserving European butterfly communities? | 3 months |

Reviews

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| 2018 2020 | 6 revisions for <i>Biological Conservation</i> . Publons profile: https://publons.com/researcher/1605670/victor-cazalis/ |
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| Social skills |  Aptitude and appetite for team working | Personal interests |  Music (doublebass, singer, drums, piano) |
| |  Lab involvement (Students delegate at the lab board ("Conseil de laboratoire"), co-organiser of Students seminars) | |  Hiking and cross-country skiing |
| |  Non-violent communication (Basics) | |  Circus (juggling, flying trapeze) |
| | | |  Handicraft (sewing, building, drawing) |
| Others | |  Driving licence  Languages: French (native), English (fluent), Spanish (basics) | |