

Aïssa Morin

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 [Personal website](#)

 @MorinAissa

 [ResearchGate](#)

 [Github](#)

TECHNICAL SKILLS

Software

R, ArcGIS, QGIS, Digikam, Latex

Statistics and Modelling

- ◆ Programming (R)
- ◆ Large dataset handling
- ◆ Statistical analyses (uni- & multivariate)
- ◆ Multispecies occupancy models
- ◆ Activity pattern analyses
- ◆ Predator-prey dynamics modelling

Field

- ◆ Species identification (French common birds, African savanna fauna)
- ◆ Bird-ringing helper
- ◆ Mammal bone collection & bone marrow analyses
- ◆ Telemetry & camera-trapping (bases)

Languages

French: First language

English: C1, IELTS 2018 : 7.5

Other

- ◆ Driving licence (automatic transmission)

Curriculum Vitae

EDUCATION

2018 –2023 Ph.D in Ecology.

Advisers : Dr. Marion Valeix (LBBE, University of Claude Bernard Lyon 1), Pr. Andrew Loveridge (WildCRU, University of Oxford).
Laboratory Of Biometry And Evolutionary Biology (LBBE, France).

2015-2017 MSc. in Ecology, Biodiversity and Evolution, major in Conservation Biology.

National Museum of Natural History of Paris, France.
Courses and project work in in-situ and ex-situ conservation and management of biodiversity, population viability analysis, spatial data analysis (R, QGIS, ArcGIS), statistical modelling.

2012-2015 BSc. in Science, Technology and Health, major: Biology.

University of Rennes 1, France. 3rd year: Canterbury Christ Church University, United-Kingdom (Erasmus exchange programme).

Courses and project work in animal and plant ecology, animal behaviour and welfare, animal and plant physiology, statistics, genetics, conservation biology

PROFESSIONNAL EXPERIENCES

2018 –2023 PhD Thesis: Responses of mammal communities to human imprint: Impacts of climate change, management and exposure to humans on carnivores and their interactions.

Advisers : Dr. Marion Valeix, Pr. Andrew Loveridge.

Camera-trapping data analyses, multi-species occupancy models, activity pattern analyses, theoretical predator-prey dynamics, fieldwork - bone collection, bone marrow analyses, vegetation assessment, wild mammal observations.

Feb-May 2018 Fixed-term contract: European translocation database development - [TransLoc Database](#).

Centre for Ecology and Conservation Sciences (CESCO,MNHN).

Collaborators: Pr. François Sarrazin, Pr. Bruno Colas,

Dr. Sarra Ferjani, Dr. Alexandre Robert & Dr. Jean-Baptiste Mihoub.

Filling of a database centralising information on European translocations.

Sept-Dec 2017 Fixed-term contract: Indicators of common bird populations functioning.

French Biodiversity Agency (OFB, formerly ONCFS) & French Bird Ringing Scheme (CRBPO, MNHN).

Collaborators: Dr. Romain Lorrillière et Dr. Pierre-Yves Henry (MNHN), Mr. David Laffit et Mr. Yves Ferrand (ONCFS).

Production of a tool that automatically generates a set of indicators about common bird populations' functioning with Constant Effort Scheme ringing data (STOC-capture).

Aug 2017 Fixed-term contract: Inventory of beaver (*Castor fiber*) translocations in Europe.

CESCO, MNHN.

Collaborator: Dr. Charles Thévenin.

Feb-June 2017 Internship: Can predator hunting mode modulate the effect of climate change on predators and their prey?

Centre for Functional and Evolutionary Ecology (CEFE, CNRS), France.

Supervisors : Dr. Simon Chamaillé-Jammes (CEFE) & Dr. Marion Valeix (LBBE).

Study of predator-prey interactions and large carnivore hunting mode under climate change context. Modelling of predator-prey dynamics.

April-May 2016 Internship: Study of mammal reintroduction effort in Europe.

CESCO, MNHN.

Supervisor: Pr. François Sarrazin and Dr. Charles Thévenin.

Census of mammal translocation programs in Europe. Exploration of the effect of body mass and diet on reintroduction effort.

June 2015 Internship: Conservation of Eurasian Lynx (*Lynx lynx*) in Europe with particular attention to human dimensions.

School of Human and Life Sciences, Canterbury Christ Church University (United-Kingdom).

Supervisor : Dr. Adriana Consorte-McCrea.

Exploration of the ecology and threats faced by Eurasian lynx and involved stakeholders. Issues linked to large carnivore conservation, co-authoring of 58-page literature review.

May 2014 Internship: Captive animal care and observation.

Animal reserve of the Domain of the Caves of Han, Belgium.

Supervisor: Mr. Anthony Kohler.

Other work experiences (student jobs) :

2013-2014 Waitress: part of the staff of *La Brioche Dorée* – Rennes (8h/week & summer holidays).
Order taking, preparation, customer service, check-out management.

2012-2013 Restaurant runner: part of the staff of *Le Bistrot de nos Terroirs* – Rennes (8h/week).
Order taking , customer service.

PUBLICATIONS & COMMUNICATIONS

Peer-reviewed papers:

Morin, A., Chamaillé-Jammes, S. and Valeix M. (2021) Climate effects on prey vulnerability modify expectations of predator responses to short- and long-term climate fluctuations. *Front. Ecol. Evol.*, 8, 13p.

Thévenin, C., **Morin, A.**, Kerbiriou, C., Sarrazin, F., Robert, A. (2020) Heterogeneity in the allocation of reintroduction efforts among terrestrial mammals in Europe. *Biol. Cons.*, 241(1), pp 1-7.

In preparation or submitted :

Morin, A., Gimenez, O., Sousa, L. L., Seymour-Smith, J., O'Donnell, H., Delignette-Muller, M.-L., Madhlamoto, D., Loveridge, A. J., Valeix, M. Response of a carnivore community to water management in a semi-arid savanna. Under review at *Biological Conservation*.

Say-Sallaz, E., Sousa, L. L., Seymour-Smith, J., **Morin, A.**, Madhlamoto, D., Macdonald, D. W., Fritz, H., Loveridge, A. J., Valeix, M. How do large carnivores coexist in savanna ecosystems ? An analysis of their spatio-temporal dynamics. *In prep.*

Book Chapter:

Consorte-McCrea, A.,[...], **Morin, A.**, Grente, O. (2017) 'Understanding attitudes towards native wildlife and biodiversity in the UK: the role of zoos'. In: Filho, W., L. (ed.). *Sustainable Development Research at Universities in the United Kingdom*. NYC: Springer International Publishing.

Technical reports:

Morin, A., Lorrilliere, R., Henry, P.-Y., CRBPO (2017) Indicateurs de fonctionnement des populations d'oiseaux communs issus du Suivi Temporel des Oiseaux Communs par Capture (STOC-Capture) : Infographie pour les stations de type Terrestre, groupées selon le type de gestion des sites sur lesquels les stations sont situées et contenant les données du printemps 2016. In French.

Morin, A., Lorrilliere, R., Henry, P.-Y., CRBPO (2017) Indicateurs de fonctionnement des populations d'oiseaux communs issus du Suivi Temporel des Oiseaux Communs par Capture (STOC-Capture) : Infographie pour les stations de type STOC-rozo, groupées selon le type de gestion des sites sur lesquels les stations sont situées et contenant les données du printemps 2016. In French.

Journal of popular science:

Duchenne, F. & **Morin, A.** (2016) A la fois mâle et femelle : Les gynandromorphes, *Espèces*, 21(1), pp 50-55. In French.

Talks:

Morin, A., Gimenez, O., Sousa, L., Seymour-Smith, J., O'Donnell, H., Delignette-Muller, M.-L., Loveridge, J., and Valeix, M. (2021) Effects of Water Management on the Carnivore Community in Hwange National Park, Zimbabwe. *SFEE-BES joint meeting: Ecology Across borders 2021- Accepted*

Morin, A., Gimenez, O., Sousa, L., Seymour-Smith, J., O'Donnell, H., Delignette-Muller, M.-L., Loveridge, J., and Valeix, M. (2021) Effects of Water Management on the Carnivore Community in Hwange National Park, Zimbabwe. *23rd International Congress of Zoology 2021*.

Morin, A., Gimenez, O., Sousa, L., Seymour-Smith, J., O'Donnell, H., Delignette-Muller, M.-L., Loveridge, J., and Valeix, M. (2021) Effects of Water Management on the Carnivore Community in Hwange National Park, Zimbabwe. *Decrypthèse 2021*.

Sarrazin F., Ferjani, S., **Morin, A.**, Thévenin, C., Mihoub, J.-B., Robert, A., Colas, B. (2018) Sharing translocation outputs: toward a webdatabase on Conservation Translocations of Flora and Fauna in the Western Palearctic. *2nd Wildlife Reintroduction Conference*. Chicago, USA.

Posters:

Morin, A., Gimenez, O., Sousa, L., Seymour-Smith, J., O'Donnell, H., Delignette-Muller, M.-L., Loveridge, J., and Valeix, M. (2021) Effects of Water Management on the Carnivore Community in Hwange National Park, Zimbabwe. *The Wildlife Society 28th annual conference*.

Morin, A., Chamaillé-Jammes, S. and Valeix, M. (2020) Climate effects on prey vulnerability modify expectations of predator responses to short- and long-term climate fluctuations. *5th conference on « Zones Ateliers-CNRS »*.

Pays, O., Amiot, C., Bitu, F., Tarakini, T., Bonnet, M., **Morin, A.**, Valeix, M., Loveridge, A., Fritz, H. (2020) Ecological responses of savanna fauna at the periphery of a protected area, Zimbabwe. *5th conference on « Zones Ateliers-CNRS »*.

GRANTS & FELLOWSHIPS

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| 2020 | Field grant from the French Society of Ecology and Evolution (SFE²) – 1500 €
Funding for a 2-month fieldwork mission in South Africa as part of my PhD thesis. |
| 2019 | Financial aid from the E2M2 doctoral school– 500 €
Funding for a scientific exchange at the University of Oxford. |
| 2018 | Doctoral fellowship from the French Ministry for Higher Education and Scientific Research
Three-year funding for my PhD Thesis. |
| 2014 | ERASMUS supporting grant – 2500 €
Funding for a 10-month university exchange in the United Kingdom. |

ACADEMIC SERVICES & MENTORING

- 2022 - **Mentoring as part of the WoC in EEB program.**
- 2020 **BsC student supervision:** supervision of a third-year BsC student literature review “Impact of anthropogenic activities on populations of African lions *Panthera leo*”.
- 2020- **LBBE student representative:** Deputy then main. Representation of MsC and PhD students during laboratory meetings and councils.
- 2021 **Secretary of the "Pinsons MigRateurs" (Migratory Finches) association:** Association created within the LBBE by LBBE students, and responsible for organising various activities and welcoming new students.

PROFESSIONAL TRAINING

- 2020 **Good practice for a reproducible research in Ecology:** Git, tidyverse, sf package, Drake, Rmarkdown (hosted by CESAB, Montpellier, France).
- 2019 **Bayesian statistics:** MCMC, JAGS (hosted by LBBE, Lyon, France)
- 2019 **Linear models:** Linear regressions, ANOVA, ANCOVA , GLM, Mixte linear models (hosted by VetAgroSup, Lyon, France)

REFERENCES

Dr. Marion Valeix:

Centre for Functional and Evolutionary Ecology (University of Montpellier, France). Expertise in large carnivore ecology, large mammal ecology, behavioural ecology, community ecology, conservation biology, movement ecology.

Pr. Andrew Loveridge:

WildCRU (University of Oxford, United Kingdom). Expertise in large carnivore ecology and behaviour, impacts of trophy hunting, predator-prey relationships, carnivore conservation, human-wildlife conflicts..

Dr. Olivier Gimenez:

Centre for Functional and Evolutionary Ecology (University of Montpellier, France): Expertise in population dynamics, demography, statistical modelling (SCR, occupancy, ...), conservation biology, human-wildlife interactions.