



Clément Hardy

Research consultant in forest ecology

CONTACT

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EDUCATION

PHD IN BIOLOGY
Université du Québec à Montréal,
 Québec
 2017-2024

**MASTER IN ECOLOGY,
 BIODIVERSITY AND
 EVOLUTION**
Université Pierre et Marie Curie,
 Paris, France

CERTIFICATES

**CERTIFICATE IN ADVANCED
 ENGLISH**
Université de Cambridge -
 Through the Cambridge English
 Language Assessment
 Level C2 - Grade A

COMPÉTENCES

- Programming in R, Python, C#, HTML, website development, and VPS deployment
- Ecological and connectivity modelling in ecology
- Visual design using Inkscape, PowerPoint, Matplotlib, and video editing
- Science communication
- Team and project management: communication, empathy, organizational tools

OBJECTIVE

I aim to use the great amount of experience I've accumulated in forest ecology and forest landscape modelling into new ventures to answer the pressing questions regarding the evolution of forests in the future, and means of preserving and protecting them.

PROFESSIONAL EXPERIENCE

POST DOCTORAL FELLOW FOR THE DIVERSE PROJECT

Université du Québec en outaouais, Quebec /2024-2026

- Working on the **DIVERSE** project, preparing the modelling of 6 different Canadian landscapes with the LANDIS-II model
- Parameterizing, calibrating and preparing files for a forest landscape model
- Creating workshops and internal documentation for the staff of the project
- Creating figures, web pages and reports for the communication around the project

STUDENT CONSULTANT AT THE QUEBEC MINISTRY OF FORESTS

Ministry of Forests, Wildlife and Parks, Quebec /2019-2023

- Worked on a project to include albedo in the radiation balance of the forests of Quebec
- Drafted reports and summary sheets on stored carbon indicators in the forests of Quebec

TEACHING ASSISTANT

Université du Québec à Montréal, Quebec / 2018-2019

- Taught during the practical sessions of the introductory ecology course
- Graded reports submitted during the practical sessions

FIELD INTERN

University of Reims, France / 2016-2017




- Fieldwork for a landscape ecology on the pine marten in the French Pyrenees
- Sample collection, GIS and cartography

RESEARCH INTERN



Centre for International Cooperation in Agricultural Research for Development, France / 2016

- Analysed field data on the pressure of village hunting on the occurrence of mammals in the Congo Basin

SCIENTIFIC PUBLICATIONS

-  Houngbégnon, F. G. A., Cornelis, D., Vermeulen, C., Sonké, B., Ntie, S., Fayolle, A., Fonteyn, D., Lhoest, S., Evrard, Q., Yapi, F., Sandrin, F., Vanegas, L., Ayaya, I., Hardy, C., Le Bel, S. and Doucet, J.-L. (2020). **Daily Activity Patterns and Co-Occurrence of Duikers Revealed by an Intensive Camera Trap Survey across Central African Rainforests.** *Animals*, 10(12), 2200. <https://doi.org/10.3390/ani10122200>
-  Labadie, G., Hardy, C., Boulanger, Y., Vanlandeghem, V., Hebblewhite, M. and Fortin, D. (2023). **Global change risks a threatened species due to alteration of predator–prey dynamics.** *Ecosphere*, 14(3), e4485. <https://doi.org/10.1002/ecs2.4485>
-  Hardy, C., Messier, C., Valeria, O. and Filotas, E. (2023). **A LANDIS-II extension for simulating forest road networks.** *Canadian Journal of Forest Research*, 53(7), 503-518. <https://doi.org/10.1139/cjfr-2022-0306>
-  Hardy, C., Messier, C., Boulanger, Y., Cyr, D. and Filotas, É. (2023). **Land sparing and sharing patterns in forestry: exploring even-aged and uneven-aged management at the landscape scale.** *Landscape Ecology*, 38(11), 2815-2838. <https://doi.org/10.1007/s10980-023-01742-7>
-  Hardy C, Messier C, Boulanger Y, et al (2025). **Climate is stronger than you think: Exploring functional planting and TRIAD zoning for increased forest resilience to extreme disturbances.** *PLoS One* 20:e0326627. <https://doi.org/10.1371/journal.pone.0326627>

OTHERS PUBLICATIONS

-  Hardy, C. (2022). **Is Veganism the best way to reduce carbon emissions?** *Skeptical Science*. <https://skepticalscience.com/veganism.htm>
-  Hardy, C. (2022). **L'aménagement forestier inéquien : Solution ou mirage d'une foresterie durable ?** *Le Couvert Boréal*, 18(1).

AWARDS AND DISTINCTIONS

-  **Graduated with honors** upon the defense of my doctoral dissertation "[Roads, Cuts, and Plantations: An Exploration of Landscape-Scale Forest Management Strategies](#)" in 2024
-  **Award for best oral presentation** at the 17th CEF annual symposium in 2021 for the presentation "Modeling the future of forests and moose habitat at the interface between boreal and mixed forests with LANDIS-II"
-  **Winner of one of the 6 winning videos** in the 2023 NSERC "Science, Action!" national Canadian science communication competition for the video "[The Future of Forests](#)"
-  **Second prize in the student science communication contest** of the ISE-CIRODD-RIISQ hub at the Université du Québec à Montréal for the popular science article "[In the shadow of Jevons](#)"
-  **Award for the best oral presentation** at the 14th CEF annual symposium in 2021 for the presentation "Long-term impacts of uneven-aged forest management on the quantity and fragmentation of old-growth forests in a landscape"
-  **Best Oral Presentation Award** at the 2021 IBFRA Annual Conference for the presentation "Long-term impacts of uneven-aged forest management on the quantity and fragmentation of old-growth forests in a landscape"