## **Kevin Cazelles**

Theoretical ecologist

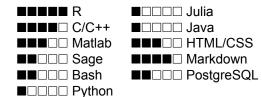
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KevCaz

French: mother tong English: fluency Portugese: fluency German: beginner Chinese: beginner

### **Scientific Programming**



#### **Document Preparation**

■■■■□ Latex	■■■□ Microsoft Office Suite
■■■■□ Beamer	■■■□ LibreOffice Suite
■■■■□ Remark	

## **Experience**

Summer 2012 Laboratoire Ecologie et Evolution, Ecole Normale Supérieure

Paris, France

Research Professional, working on wavelets: statistical testing, code in C and application to time series of dengue in Southern Asia.

**■■**□□□ Inkscape

Early 2012 Institut des Sciences de l'Evolution, Université de Montpellier

Paris, FRANCE

Four months' training period, working on species distribution model and ecological interactions.

2011 Laboratório de Ecologia Evolutiva e Biodiversidade, Universidade Federal de Minas Gerais

Belo Horizonte, BRAZIL

Six months' training period, working on herbaceous plant communities in Cerrado: phenology and germination.

2009 SIMBIOS Centre, Abertay University

Dundee, UK

Six months' training period, working on modelling fungal growth dynamics in a realistic soil environment.

### **Education**

2012- Phd Thesis. Integration of ecological interaction in species distribution models.

Université du Québec À Rimouski, CANADA; Université de Montpellier, FRANCE (Joint PhD).

2008–2012 M.Sc Agronomy and Ecology

AgroParisTech, Paris, FRANCE

Diploma of Agronomy Engineer and Master degree in Ecology

### **Grants**

2016 Grant from the FRQNT (Fonds de Recherche du Québec Nature et Technologies)

20,000C\$/year

2016 Excellence awards of the Quebec Centre for Biodiversity Science

1,500C\$

2012-2015	Grant from the Ministry of Higher Education and Research of France 20,000C\$/year
2015-2016	Grant from the Frontenac program (mobility program for joint Phd between France and Québec) 6,000C\$/year
	Teaching
2016	Quebec Centre For Biodiversity Science (2 days) Organizing a two-days event on data vizualization in biodiversity science for graduate students.
2014-2016	Université du Québec à Rimouski (16h/year)  Presenter for the QCBS R Workshop Series.
2014-2015	Université du Québec à Rimouski (1 day/year)  Advanced R course on data vizulation and graphics editing.
2013-2015	Université de Monpellier (64h/year)  Practical course for first year undergraduates in developmental biology.
2014	Universidade Federal de Minas Gerais (1 day)  Advanced R course on map editing.

# Articles published in peer-reviewed journal

- Cazelles K., Araújo M., Mouquet N., Gravel D., 2016. A theory for species co-occurrence in interaction networks. *Theoretical Ecology*, 9(1):39-48. http://link.springer.com/10.1007/s12080-015-0281-9
- Cazelles K., Mouquet N., Mouillot D., Gravel D., 2015. On the integration of biotic interaction and environmental constraints at the biogeographical scale. *Ecography*, (October):n/a-n/a. http://doi.wiley.com/10.1111/ecog.01714
- Poisot T., Cirtwill A., Cazelles K., Gravel D., Fortin M., Stouffer D., 2016. The structure of probabilistic networks. *Methods in Ecology and Evolution*, 7(3):303-312. http://biorxiv.org/lookup/doi/10.1101/016485 http://doi.wiley.com/10.1111/2041-210X.12468
- Le Stradic S., Silveira F., Buisson E., Cazelles K., Carvalho V., Fernandes G., 2015. Diversity of germination strategies and seed dormancy in herbaceous species of campo rupestre grasslands. *Austral Ecology*, 40(5):537-546. http://doi.wiley.com/10.1111/aec.12221
- Cazelles B., Cazelles K., Chavez M., 2013. Wavelet analysis in ecology and epidemiology: impact of statistical tests. *Journal of The Royal Society Interface*, 11(91):20130585-20130585. http://rsif.royalsocietypublishing.org/cgi/doi/10.1098/rsif.2013.0585
- Cazelles K., Otten W., Baveye P., Falconer R., 2013. Soil fungal dynamics: Parameterisation and sensitivity analysis of modelled physiological processes, soil architecture and carbon distribution. *Ecological Modelling*, 248():165-173. http://linkinghub.elsevier.com/retrieve/pii/S030438001200419X

#### Science popularization

1. Cazelles K., 2014. La Biodiversité en territoire isolée. Accromath. Available online

# Reviewer for the following peer-reviewed journals:

Ecography, Ecology Letters, Global Ecology and Biogeography, Proceedings of the Royal Society B, Theoretical Ecology.