

# Margot Neyret | Resume

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## Research

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- PhD at the Institute of Ecology and Environmental Sciences** **Ongoing**  
*"Effect of afforestation by rubber trees on weed communities and soil conservation in South-East Asia"*  
Project including four 1.5 month periods of fieldwork over two years. Sorbonne University, Institute of Research for Development, Paris, France. Supervision: C. Valentin
- Research internship (Master's degree in Ecology year 2)** **2016**  
*"Impact of land use changes on plant-soil interactions in Northern Thailand"*  
6 month internship including 6 weeks of fieldwork in Thailand. Biophys Team, Institute of Research for Development, Bondy, France. Supervision: H. Robain
- Ethnobotany MSc thesis** **2015**  
*"Changes in medicinal plants uses among North African migrant women in Paris"*  
Personal research project realised over 6 months from observation and interviews of immigrant women in Paris and Grenoble, France.
- Research internship (Master's degree in Ecology year 1)** **2014**  
*"Variations of surface leaf area along environmental gradients"*  
5 month internship including 7 weeks of fieldwork in Brazil. Ecosystems Lab, Environmental Change Institute, Oxford, United Kingdom. Supervision: Prof Y. Malhi, L.P. Bentley, I. Oliveras.

## Publications

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- Neyret, M., Robain H., de Rouw A., Janeau, J.L., Kaewthip, J., Trisophon K., and Valentin C. **Rubber tree plantations increase runoff and soil detachment compared to annual crops.** [Submitted to \*Catena\*.](#)
- Gvozdevaite A., Oliveras I., Domingues T., Peprah T., Boakye M., Afriyie L., Peixoto da Silva K., de Farias J., Almeida de Oliveira E., Almeida Farias C., dos Santos Prestes N., Neyret M., Moore S., Schwantes Marimon B., Marimon Junior B. H., Adu-Bredu S., Malhi Y. (2018) **Leaf-level photosynthetic capacity dynamics in relation to soil and foliar nutrients along forest-savanna boundaries in Ghana and Brazil.** *Tree Physiology* 38(12) 1912–1925 doi: 10.1093/treephys/tpy117
- Neyret, M., Robain H., de Rouw A., Soulileuth B., Trisophon K., Jumpa K., and Valentin C. (2018) **The transition from arable lands to rubber plantations: impact on weed assemblages and soil physical properties in northern Thailand.** *Soil Use and Management*, 34(3) 404-417 doi: 10.1111/sum.12431
- Neyret, M., Bentley, L. P., Oliveras, I., Marimon, B. S., Marimon-Junior, B. H., Almeida de Oliveira, E., Barbosa Passos, F., Castro Ccoscco, R., dos Santos, J., Matias Reis, S., Morandi, P. S., Rayme Paucar, G., Robles Cáceres, A., Valdez Tejeira, Y., Yllanes Choque, Y., Salinas, N., Shenkin, A., Asner, G. P., Díaz, S., Enquist, B. J. and Malhi, Y. (2016) **Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly.** *Ecology and Evolution*, 6(16) 5674–5689 doi: 10.1002/ece3.2281

## Prizes and Awards

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- Poster Prize** **2018**  
*International conference of the French Society for Ecology and Evolution*
- Ethnobotany Prize of Kent University** **2015**  
*Awarding the best Ethnobotany dissertation of Kent University*

## Education

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**Diploma of the École Normale Supérieure de Paris** 2016

**Master's degree in Ecology, Biodiversity & Evolution** 2015-2016  
*Sorbonne University - École Normale Supérieure* "With distinction"

**Master's degree in Ethnobotany** 2014-2015  
*University of Kent, Canterbury, Royaume-Uni* "With distinction"

## Programming / data analysis

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### R (proficient)

*Multiple univariate and multivariate analyses, spatial analyses*

Code used in my first-authored papers can be found [here](#) (GitHub page) and [here](#) (in the supplementary information)

### LaTeX (proficient)

### Other languages and softwares

*Python, QGIS, Matlab, ImageJ Macro language*

## Involvement in education and teaching

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As part of the PhD.....

**Teaching Assistant in Ecology and Statistics** 2016-...  
*University Pierre and Marie Curie (64h/year, mostly for undergrads, some classes for MSc students)*

**Trainings in image analysis and statistics with R** Nov 2016, Mar. 2018  
*2-day trainings for Thai Land Development Department colleagues, Thailand.*

Volunteering.....

**Scoutmaster with the Scouts et Guides de France** 2015-...  
*Youth work qualification (2012)*

As the camp headmaster, I take care of team management and training as well as the organisation of activities.

**"French as a Foreign Language"** 2015-2016  
*Foyer Pinel, La Plaine-Saint-Denis*

6 months of weekly classes with 10 to 20 adult migrant persons.

## Collaborations

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During my PhD I have reached out to various collaborators to develop a diversity of skills.

### Remote sensing imagery treatment and analysis for landscape characterisation

*Collaboration with remote sensing experts at IRD: C. Mahuzier and M. Lointier*

### Image segmentation using neural networks

*Development of a program to analyse soil cover images with the Laboratory of Computer Science of Paris 6*

### Plant and soil chemistry analyses

*Collaboration with thai colleagues from Land Development Department to analyse plant and soil chemistry data*

## Reference

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### Dr. Christian Valentin

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iEES-IRD

*Directeur de recherche*  
*Deputy head of iEES Paris*

### Dr. Henri Robain

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### Dr. Anneke de Rouw

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## Communications in international conferences

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Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2018) **Land use changes affect plant communities in mountainous Northern Thailand.** *Conference of the French Society of Ecology and Evolution*, Rennes, France. (oral)

Neyret, M., Robain H., de Rouw A., Janeau, J.L., Keawthip, J., Trisophon K., and Valentin C. (2018) **Are tree plantations forests? A comparison of soil erosion under rubber tree plantations and annual crops in mountainous Northern Thailand.** *Conference of the French Society of Ecology and Evolution*, Rennes, France. (poster)

Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2018) **Soil, landscape and land-use itinerary effects on non-cultivated plant communities and associated services in croplands of Northern Thailand.** *European Conference of Tropical Ecology*, Muséum National d'Histoire Naturelle, Paris, France. (oral)

Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2017). **Land use and management effects on weed communities and erosion control in mountainous Northern Thailand.** *8th Annual Seminar of HRPP "Natural Rubber Facing Challenging Times, Adaptation and Opportunities"*, Kasetsart University, Bangkok, Thailand. (oral)

Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2017). **Interactions between weeds communities and soil physical properties differ among land uses.** *Functional Ecology and the Environment*, ENSAT, Auzeville-Tolosane, France. (oral)

Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2017). **Ecological changes along the transition from annual crops to perennial plantations in Northern Thailand.** *YNHM: Young Natural History scientists Meeting*, Muséum d'Histoire Naturelle de Paris, France. (poster)

Neyret, M., Robain H., de Rouw A., Soullileuth B., Trisophon K., Jumba K., and Valentin C. (2016). **Ecological changes along the transition from annual crops to rubber plantations in mountainous landscape of Northern Thailand.** *Sustainable Rubber Conference 2016*, Xishuangbanna Tropical Botanical Garden, China. (oral)

Neyret, M. (2015). **Adaptation of medicinal plants use in health-seeking strategies of migrant North-African women in Paris.** *Workshop « Best practices on biodiversity conservation and the local livelihoods in Morocco »*, Marrakech, Morocco. (oral)