

## Curriculum vitae: Margot Neyret

### a) Personal details

Nationality France  
and birth: 09/03/1993

Webpages: <http://www.neyret.me/>;  
<https://sites.google.com/view/manningecology/>

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Researcher ID: Y-1738-2019

### b) Professional experience

15/05/2019 Senckenberg Biodiversity and Climate Research Center, Frankfurt, Germany. **Postdoctoral**  
- present **scientist**. Member of the Synthesis group within Biodiversity Exploratories, team *Causes and Consequences of Biodiversity Change* (supervision: Peter Manning, Markus Fischer).

### c) Education

- 01/09/2016 Sorbonne University, Paris, France. **PhD candidate**.  
- 14/05/2019 PhD thesis title: Weeds and soil erosion in a mountainous agroecosystem of Northern Thailand: a multidisciplinary analysis (Supervision: Christian Valentin, Henri Robain et Anneke de Rouw).  
PhD defended on 24/06/2019. **Obtained with congratulations from the committee, i.e. highest grade for PhD in France.**
- 01/09/2015 Sorbonne University, Paris, France. **MSc in Ecology year 2**  
- 15/06/2016 MSc thesis title: Impact of land-use change on plant-soil interactions in Northern Thailand (Supervision: Henri Robain). **Obtained with distinction, i.e. highest grade for MSc in France.**
- 15/09/2014 University of Kent, UK. **MSc in Ethnobotany**  
- 01/09/2015 MSc thesis title: Change in medicinal plants use among North-African immigrant women in France (Supervision: Miguel Alexiades). **Obtained with distinction, i.e. highest grade for MSc in UK.**  
**“Gap year” within the Ecology MSc to expand skills and knowledge of social-environmental sciences.**
- 01/09/2013 École Normale Supérieure de Paris, Sorbonne University, Paris, France. **MSc in Ecology year 1**  
- 25/06/2014 MSc thesis title: Variations of specific leaf area along environmental gradients (supervision: Lisa P. Bentley, Yadvinder Malhi).
- 01/09/2012 École Normale Supérieure de Paris, France. **Bachelor in Biology, year 3.**  
- 1/07/2013 *Bachelor thesis title*: Role of the protein Dpb2 in cell division and genome maintenance in *A. thaliana* (supervision: Cécile Raynaud).
- 01/09/2010 Lycée Champollion, Grenoble, France. **“Classe préparatoires” Biology, Chemistry, Physics, Earth**  
- 15/07/2012 **Sciences.**

### 1. Publications

#### Track record summary

- **11 published peer-reviewed articles**, including: 6 as first-author, 5 as corresponding author.
- 2 submitted peer-reviewed articles, including 1 first and corresponding author.
- 130/79 citations (Google Scholar/Web of Science), H-index 6

#### Scientific publications (peer-reviewed)

1. **Neyret, M.** [+ 41 authors] & Manning, P. Landscape management strategies for multifunctionality and social equity (2023) *Nature Sustainability*. In press. **Contribution:** conceptual design, data gathering, data simulations and analyses, writing.
2. Keller A. [+ 19 authors incl. **Neyret, M.**] & Penone, C. Ten (mostly) simple rules to future-proof trait data in ecological and evolutionary sciences (2022). *Methods in Ecology and Evolution*. **Contribution:** figures, writing
3. Le Provost, G. [+ 48 authors incl. **Neyret, M.**] & Manning, P. The supply of multiple ecosystem services requires biodiversity across spatial scales (2022) *Nature Ecology and Evolution*. **Contribution:** data analyses, writing. Paper available at: <https://rdcu.be/cZCvZ>.
4. Apostolakis, A. [+ 19 authors incl. **Neyret, M.**] & Schrumpf, M. (2022). Direct and indirect effects of management intensity on annual nutrient leaching in temperate grasslands. *Nutrient cycling in agroecosystems*. <https://doi.org/10.1007/s10705-022-10209-1>. **Contribution:** supply of plant community-level functional data; advice on data analyses; participation to the writing of the discussion
5. **Neyret, M.**, Fischer, M., [+ 20 authors] & Manning, P. (2021) Assessing the impact of grassland management on landscape multifunctionality. *Ecosystem services*. Available on BioRxiv: <https://doi.org/10.1101/2020.07.17.208199>. **Contribution:** conceptual design, data gathering, data analyses and simulations, writing.
6. Le Provost G., Thiele J., Westphal C., Penone C., Allan E., **Neyret M.**, [+ 49 authors], & Manning P. (2021). Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. *Nature Communications*. <https://doi.org/10.1038/s41467-021-23931-1> (Open Access). **Contribution:** advice on data analyses, contribution to manuscript writing.
7. **Neyret, M.**, Colbach, N., de Rouw, A., Robain, H., Soulileuth, B., Valentin, C. (2020b). Year-to-year crop shifts promote weed diversity in tropical permanent rainfed cultivation. *Agriculture, Ecosystem and the Environment*, 301. Available on BioRxiv: <https://doi.org/10.1101/2020.03.12.988469>. **Contribution:** conceptual design, data acquisition in the field, data analyses, writing.
8. **Neyret, M.**, Robain H., de Rouw A., Janeau, J.L., Kaewthip, J., Durand, T., Trisophon K., and Valentin C. (2020a) Rubber tree plantations increase runoff and soil detachment compared to annual crops. *Catena*, 189 doi: 10.1016/j.catena.2020.104472. Preprint available on ResearchGate. **Contribution:** conceptual design, data acquisition in the field, data analyses, writing.
9. Gvozdevaite, A. [+ 15 authors incl. **Neyret, M.**] & 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 (Open Access). **Contribution:** supply of functional trait data from field acquisition and image treatment.
10. **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. Available on personal website. **Contribution:** conceptual design, data acquisition in the field, data analyses, writing.
11. **Neyret, M.**, Bentley, L. P., Oliveras, I., [...] 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 (Open Access). **Contribution:** Partial data acquisition in the field, image data treatment, data analyses, writing.

## **2. Presentations in conferences**

Presentations in major international conferences of the field (invitation based on abstract)

1. **Neyret, M. et al.** (2022) Slow-fast trait synchrony at the level of whole ecosystems. *British Ecological Society*, Edinburgh, UK (oral)
2. **Neyret, M. et al.** (2022) Landscape management for multifunctionality and social equity. *Joint conference of the French Ecological Society and the German Ecological society*, Metz, France (oral)
3. **Neyret, M. et al.** (2022) Slow-fast trait synchrony at the level of whole ecosystems. *International Ecology*

*Conference (INTECOL), Geneva, Switzerland (oral)*

4. **Neyret, M. et al.** (2021) Identifying landscape management strategies that promote multifunctionality and social equity. *Ecosystem Service Partnership conference 2021, online* (oral)
5. **Neyret, M. et al.** (2020) Landscape deintensification results in higher and more equitable ecosystem service supply. *British Ecological Society conference - Festival of Ecology, online* (oral)
6. **Neyret, M. et al.** (2019) Landscape management for grassland multifunctionality. *British Ecological Society conference* Belfast, UK. (oral)
7. **Neyret, M. et al.** (2018) Land use changes and landscape composition affect plant communities in mountainous Northern Thailand. *Conference of the French Society of Ecology and Evolution, Rennes, France.* (oral)

+ 11 other presentations in national and international conferences since 2015

### **Organisation of workshops and international conferences**

- 19/11/2020      **Workshop organisation** - *Functional traits across trophic levels* (online). Half-day workshop to discuss integration of functional trait data across trophic groups, bringing together experts for multiple groups (microbes, plants, arthropods, etc) from both Germany and abroad.
- 25/02/2020      **Session organisation** - *World Biodiversity Forum 2020, Davos*. Session: *The Role of Biodiversity in Multifunctional Landscapes*.

### **Prices and awards**

- 2019              **Best poster prize** - Symposium “Above and belowground biodiversity”, Agroscope Zürich
- 2018              **Best poster prize** - International conference of the French Ecological Society
- 2015              **Ethnobotany prize** of University of Kent. Acknowledging the best Ethnobotany dissertation among all students of the course that year

### **Funding**

- 01.09.2016-15.05.2019      Scholarship from the Ministry of Research and Higher Education of France for the PhD degree studies at the Sorbonne University, Paris
- 01.09.2012-31.08.2016      Scholarship from the École Normale Supérieure (ENS) de Paris, Paris, France.