



Elina Marjut Kaarlejärvi

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RESEARCH INTERESTS

I am a terrestrial community and ecosystem ecologist. My research explores how biotic interactions and biodiversity influence ecosystem functioning under environmental changes. I am curious to find ecological mechanisms that make communities stable in a changing environment.

DEGREES

Title of Docent, Ecology, University of Helsinki. December 2020.

Ph.D., Ecology, University of Umeå, March 2014.

M.Sc., Ecology, University of Turku, June 2007.

CURRENT POSITION

Sep 2022 - Academy Research Fellow, 5 years, funded by Academy of Finland.

PREVIOUS WORK EXPERIENCE

Sep 2021 – Jul 2022 PI of an own research project affiliated at University of Helsinki, funded by the Finnish Cultural Foundation.

Mar 2018 – Aug 2021 Postdoc at the Research Centre for Ecological Change, University of Helsinki.

Sep 2015 – Mar 2018 International postdoc fellow at Vrije Universiteit Brussel (VUB), Belgium and visiting UC Davis California, USA. Funded by Swedish Research Council via Umeå University.

Mar 2014 – Mar 2015 Postdoc, Nordic Centre of Excellence Tundra / Umeå University, Sweden.

Oct 2008 – Feb 2014 PhD candidate, University of Umeå.

2008 Vegetation surveyor for the Finnish State-owned Forest Company, 3 months.

2008 Research assistant. Reindeer body condition measurements in Yakutia, Russia. The CircumArctic Rangifer Monitoring & Assessment Network, led by Prof. Don Russell, Yukon College, Canada. 2 months.

2005-2008 Research assistant for the 'NASA Yamal Land-cover Land-use Change' project, led by Prof. D.A. Walker, University of Alaska Fairbanks and the ENSINOR-project, led by Prof B. Forbes, Arctic Centre, University of Lapland. Two to three months every summer in Russian tundra (NAO, YNAO) and Moscow.

CAREER BREAKS

I have been on parental leave in total for **16.3 months** after graduation in March 2014 and **7 months** before graduation.

GRANTS

2022: Academy Research Fellow, PI, ca 1 000 000 EUR

2021: Finnish Cultural Foundation, single PI, 30 000 EUR

2020: Bioresilience seed grant, HiLIFE Grand Challenge project, University of Helsinki, PI, 9 000 EUR

2019: Oskar Öflunds stiftelsen, single PI, 3000 EUR

2015: Swedish Research Council, single PI, 3.15 milj SEK

2012: Oskar Öflunds stiftelse 1000 EUR

2011: G. och R. Björkmans fond, single PI, 20 000 SEK; Wallenberg's travel grant, single PI, 5000 SEK, Societas Pro Fauna et Flora Fennica, single PI, 3000 EUR

TEACHING EXPERIENCE	<p><i>Pedagogical training</i></p> <p>2022 ‘Supervision at university’ (YP3.1, 5 ECTC) UH</p> <p>2022 ‘Assessment of Learning and Giving Feedback’ (YP2.2, 5 ECTS), UH</p> <p>2019 ‘Constructive Alignment in Course Design’ (YP 2.1, 5 ECTS), University of Helsinki</p> <p>2019 ‘Learning in Higher Education’ (YP1, 5 ECTS), University of Helsinki</p> <p><i>Development of courses</i></p> <p>2022 Developing the B.Sc. level “From Individuals to Ecosystems” course (BIO-304, 5 ECTS) to include problem-based learning and peer- and self-assessment.</p> <p>2020 Renewal of the Bachelor level “Fundamentals of Ecology” course (BIO-104, 5 ECTS) according to principles of constructive alignment. Renewal included a problem-based pair work, interactive exercises, peer- and self-assessment of the pair work and renewal of course assessment and collecting feedback.</p> <p><i>Lecturing parts of the courses</i></p> <p>2019-2022 Fundamentals of Ecology, B.Sc. level (BIO-104, 5 ECTS), University of Helsinki</p> <p>2018 Current topics in ecological research M.Sc. and PhD level (EEB-109, 5 ECTS) University of Helsinki</p>
SUPERVISION	<p>2022 B.Sc. Pilvi Eronen, University of Helsinki. Main supervisor.</p> <p>2022 B.Sc. Albert Lenkiewicz, University of Helsinki. Main supervisor.</p> <p>2021 M.Sc. Freja Fagerholm, University of Helsinki. Main supervisor.</p> <p>2018 M.Sc. Louraine Salabao, Vrije Universiteit Brussel, Belgium. Co-supervisor.</p> <p>2019-2022 Supervising a B.Sc. student each year during 3-6 weeks in field research.</p>
INVITED TALKS	<p>Expert talk to stakeholders at Poro- ja kalapäivät, Rovaniemi, Finland. 16.-17.5.2018.</p> <p>University of California Davis, USA. 15.03.2017.</p> <p>University of Antwerp, Belgium. 13.06.2014.</p>
ORAL PRESENTATIONS	<p>2022 INTECOL conference, Geneva 2.98.-2.9.</p> <p>2020 British Ecological Society Annual Meeting, 14-18.12. Virtual.</p> <p>2019 British Ecological Society Annual Meeting, Belfast 10-13.12.</p> <p>2019 Oikos Finland Conference, Oulu, 5-6.2.</p> <p>2017 Climate Impact Research Centre, Abisko, Sweden, 26-28.9.</p> <p>2017 Biogeomon, Litomyšl, Czech Republic, 21-24.8.</p> <p>2014 CAFF ABA Congress, Trondheim, Norway 2.12.</p> <p>2013 INTECOL conference, London 18.-23.08.</p> <p>2012 12th International Circumpolar Remote Sensing Symposium. Levi, Finland 14.-18.5.</p>
OUTREACH	<ul style="list-style-type: none"> • Responsible producer of two parts of the series of 10 educational videos ‘Monimuotoisuutta tutkimassa’ produced by Research Center for Ecological Change, led by T. Roslin. Available in YouTube. • Essay & podcast on functional diversity: https://www.muutoslehti.fi/artikkelit/jakso-8-toiminnallinen-monimuotoisuus-pitaa-luonnon-koneiston-kaynnissa/ • Popular science talk on forest biodiversity. Think Corner 14.2.2019, Helsinki
REVIEWER FOR	<p><i>Nature Communications, PNAS, Global Change Biology, Ecosystems, Plant Ecology and Diversity, Journal of Ecology, Austral Ecology, Oecologia, Plant and Soil, Ecosphere, Ecology, BMC Ecology, Arctic Science, Ecological Research Letters, Ecological Monographs, Ecological Applications, PeerJ, Applied Ecology, Functional Ecology</i></p>