

Max Lindmark

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Education

- 2016–present **Swedish University of Agricultural Sciences**, Department of Aquatic Resources (SLU Aqua), PhD Student, Supervisors: Anna Gårdmark, Jan Ohlberger (co-supervisor), Magnus Huss (co-supervisor)
- 2014–2015 **University of Aberdeen**, MRes Applied Marine and Fisheries Ecology (Distinction). Degree project: *Predicting spatial distribution of fish stocks by updating informative survey-based priors with commercial data in a Bayesian framework*
- 2011–2014 **University of Gothenburg**, BSc Biology (2:1 equivalent). Majority of courses completed with pass with special distinction

Publications

3. Huss, M., **Lindmark, M.**, Jacobson, P., van Dorst, R., Gårdmark, A., 2019. Experimental evidence of gradual size-dependent shifts in body size and growth of fish in response to warming. (Global Change Biology, *early view*)
2. **Lindmark, M.**, Ohlberger, J., Huss, M. and Gårdmark, A., 2019. Size-based ecological interactions determine effects of warming on food web stability. (*Ecology Letters*, 22(5), pp. 778–786)
1. **Lindmark, M.**, Huss, M., Ohlberger, J. and Gårdmark, A., 2018. Temperature-dependent body size effects determine population responses to climate warming. *Ecology letters*, 21(2), pp. 181–189

In prep

Lindmark, M., Ohlberger, J., and Gårdmark, A., Physiological constraints to growing large in warm waters?

Lindmark, M., Audzijonyte, A., Blanchard, J.L. and Gårdmark, A., Warming alters the effect of fishing on the size spectra of an exploited temperate food web

Non-refereed publications

- 2016–2020 **Fish and shellfish stocks in the sea and inland waters (Fisk- och skaldjursbestånd i hav och sötvatten – Resursöversikt)** Annual contribution to (popular) assessment and biological advice on contrib.)

		the status of fish populations in Swedish waters (turbot, common dad, brill)
Honors and awards	2018	Knut and Alice Wallenbergs foundation (Travel grant) (24 000 SEK)
	2016	SLU funds for internationalization of graduate education (Travel grant) (28 000 SEK)
	2015	Lindsay Laird Prize , In recognition of all round performance in the Applied Marine and Fisheries Ecology program throughout the year. Awarded jointly with another student.
	2014	Fishmongers' Award , Scholarship recipient, full fees payment (£3400) awarded to 1 MRes/MSc student on academic merit by the Fishmongers' Company
	2014	Stipend from Gothenburg Biological Society for well accomplished bachelor's thesis: <i>By-catch in pelagic fisheries: A study on by-catch in Swedish herring fisheries on the west coast in the winter of 2013/2014</i>
	2010	Stipend awarded for academic achievement (top 10% of science students in class): Stiftelsen Hvitfeldtska gymnasiets samfond
Research visits	2017 Mar-Jun	School of Aquatic and Fishery Sciences (SAFS), University of Washington (UW) . Attended course Mathematical Ecology (prof. Mark Kot) and collaborated with Jan Ohlberger (PhD advisor)
Teaching	2018	Teaching assistant, Ecology for fish management and conservation (wrote R lab <i>Population dynamics and harvesting</i> , lecture on <i>Fish morphology, physiology, and energetics</i> , exam questions and marking)
	2018	Teaching assistant, Principles in Fisheries Science (wrote R lab <i>Impacts of fishing in an ecological context</i>)
	2018	LunchR A department wide R course in data wrangling and plotting (4x1 hour). Solely initiated and organized together with student colleague Philip Jacobson
	2017	Teaching assistant, Ecology for fish management and conservation (supervising case study, providing R-code for computer lab on stage-structured biomass dynamics under harvesting)
	2016	Teaching assistant, Ecology for fish management and conservation
Supervision	2019	Malin Karlsson (Master's degree project)

		<p>The effect of temperature on life history traits of perch (<i>Perca fluviatilis</i>) in a large scale natural climate change experiment and its implications for population age- and size structure? Main Supervisor (co-supervised Anna Gårdmark)</p>
	2016	<p>Mattias Grunander (Master's degree project) Effects of global warming on Eurasian perch (<i>Perca fluviatilis</i>) in the Baltic Sea. – Does the growth response to increased temperatures differ along a latitudinal gradient? Co-supervised with Anna Gårdmark</p>
Conferences	2019 (Feb)	<p>Swedish Oikos Meeting, Uppsala (Talk) Physiological constraints to growing large in warm waters?</p>
	2018 (Apr)	<p>Models in Population Dynamics, Ecology, and Evolution (MPDEE'18), Leicester (Talk) Species interactions determine effects of warming on stability in a stage-structured food chain</p>
	2018 (Feb)	<p>Nordic Oikos Meeting, Trondheim (Talk) Species interactions determine effects of warming on stability in a stage-structured food chain</p>
	2017 (Feb)	<p>Swedish Oikos Meeting, Lund (Talk) Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations</p>
Reviewed for:		<p>Oikos ICES Journal of Marine Science Ecology (5/5 accepted):</p>
Workshops	2018 (Oct)	<p>Modelling population dynamics Organized a session on <i>Numerical continuation analysis of a predator-prey model</i></p>
	2018 (Mar)	<p>LunchR Organized a department wide 4-session long lunch workshop on plotting and data manipulation in R (organized together with Philip Jacobson)</p>
Academic service	2019	<p>PhD Representative Department</p>
	2014– 2015	<p>Class representative Applied Marine and Fisheries Ecology, MRes I represented students' opinions and views on the program in regular meetings with course- and program coordinators at the University of Aberdeen</p>
	2014– 2015	<p>Student Ambassador Applied Marine and Fisheries Ecology I communicated with prospective students, mostly through social media</p>
Outreach	2016– 2020	<p>Co-managing research group's Instagram account @fishinfoodwebs</p>

	2017 (Sep)	SLU 40th Anniversary, Uppsala (Poster) Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations
	2017 (Nov)	Science evenings (high school), Östhammar municipality (Talk) Effects of warming on fishes
	2014 (May)	Gothenburg Biological Society Popular talk at the Gothenburg Museum of Natural History on bycatch in small scale pelagic fisheries on the west coast of Sweden
	2011– 2014	Swedish Society for Nature Conservation I have given public talks (presenting on the topic of toxins in the Baltic herring in 2014) at local festivals (<i>go: TO SEA and Västerhavsveckan</i>)
	2011– 2014	Arranged seminar (4*2 per year) series at the Gothenburg Museum of Natural History with invited speakers, covering all things marine
Other	2018–	Initiator and admin of department wide R-users mailing list. (w. Philip Jacobson)
	2017– 2019	Chair and co-founder of social activity club at SLU Coastal Laboratory, Öregrund (SLUKarna)