

# 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. (Accepted, Global Change Biology)
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	<b>Knut and Alice Wallenbergs foundation</b> (Travel grant) (24 000 SEK)
	2016	<b>SLU funds for internationalization of graduate education</b> (Travel grant) (28 000 SEK)
	2015	<b>Lindsay Laird Prize</b> , In recognition of all round performance in the Applied Marine and Fisheries Ecology program throughout the year. Awarded jointly with another student.
	2014	<b>Fishmongers' Award</b> , Scholarship recipient, full fees payment (£3400) awarded to 1 MRes/MSc student on academic merit by the Fishmongers' Company
	2014	Stipend from <b>Gothenburg Biological Society</b> 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	<b>School of Aquatic and Fishery Sciences (SAFS), University of Washington (UW)</b> . Attended course Mathematical Ecology (prof. Mark Kot) and collaborated with Jan Ohlberger (PhD advisor)
Teaching	2018	Teaching assistant, <b>Ecology for fish management and conservation</b> (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, <b>Principles in Fisheries Science</b> (wrote R lab <i>Impacts of fishing in an ecological context</i> )
	2018	<b>LunchR</b> 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, <b>Ecology for fish management and conservation</b> (supervising case study, providing R-code for computer lab on stage-structured biomass dynamics under harvesting)
	2016	Teaching assistant, <b>Ecology for fish management and conservation</b>
Supervision	2019	<b>Malin Karlsson (Master's degree project)</b>

		<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><b>Mattias Grunander (Master's degree project)</b> 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><b>Swedish Oikos Meeting, Uppsala (Talk)</b> Physiological constraints to growing large in warm waters?</p>
	2018 (Apr)	<p><b>Models in Population Dynamics, Ecology, and Evolution (MPDEE'18), Leicester (Talk)</b> Species interactions determine effects of warming on stability in a stage-structured food chain</p>
	2018 (Feb)	<p><b>Nordic Oikos Meeting, Trondheim (Talk)</b> Species interactions determine effects of warming on stability in a stage-structured food chain</p>
	2017 (Feb)	<p><b>Swedish Oikos Meeting, Lund (Talk)</b> 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><b>Modelling population dynamics</b> Organized a session on <i>Numerical continuation analysis of a predator-prey model</i></p>
	2018 (Mar)	<p><b>LunchR</b> 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><b>PhD Representative</b> Department</p>
	2014– 2015	<p><b>Class representative Applied Marine and Fisheries Ecology, MRes</b> 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><b>Student Ambassador Applied Marine and Fisheries Ecology</b> I communicated with prospective students, mostly through social media</p>
Outreach	2016– 2020	<p><b>Co-managing research group's Instagram account @fishinfoodwebs</b></p>

	2017 (Sep)	<b>SLU 40<sup>th</sup> Anniversary, Uppsala</b> (Poster) Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations
	2017 (Nov)	<b>Science evenings (high school), Östhammar municipality</b> (Talk) Effects of warming on fishes
	2014 (May)	<b>Gothenburg Biological Society</b> Popular talk at the Gothenburg Museum of Natural History on bycatch in small scale pelagic fisheries on the west coast of Sweden
	2011– 2014	<b>Swedish Society for Nature Conservation</b> 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 <b>admin of department wide R-users</b> mailing list. (w. Philip Jacobson)
	2017–	Chairman and co-founder of social activity club at SLU Coastal Laboratory, Öregrund (SLUKarna)