Max Lindmark

Swedish University of Agricultural Sciences | Department of Aquatic Resources | Skolgatan 6 742 42 Öregrund, Sweden | +46(0)722107266 | max.lindmark@slu.se | max.lindmark@tutanota.com | maxlindmark.netlify.com | https://github.com/maxlindmark | https://twitter.com/max_lindmark

Education

2016 Feb - 2020 Mar **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*, 00, pp. 1–11)

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. Intraspecific scaling of individual growth, consumption and metabolism with temperature and body mass across fishes. (*thesis chapter*)

Lindmark, M., Audzijonyte, A., Blanchard, J. L. and Gårdmark, A. Bottom up and top down effects of temperature on body growth, population size-spectra and yield – an application of a multispecies size-spectrum model. (*thesis chapter*)

Thunell, V., **Lindmark, M**., Huss, M., and Gårdmark, A. Effects of temperature on intraguild predation communities with ontogenetic omnivory (*manuscript*)

Lindmark, M.*, Karlsson, M*., and Gårdmark, A.. Linking effects of warming on growth and mortality to population size structure (*MSc thesis*) *order not decided

Honors and awards

2019 **Sven och Dagmar Saléns stiftelse** (Travel grant) (5 616 SEK)

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: *By-catch in pelagic fisheries: A study on by-catch in Swedish herring fisheries on the west coast in the winter of 2013/2014*
	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	2019	Teaching assistant, **Sustainability perspectives on contemporary fisheries. Where have all the fishes gone?** (Lecture on climate impacts on global fisheries)
	2018-2019	Teaching assistant, **Ecology for fish management and conservation** (wrote R lab *Population dynamics and harvesting,* lecture on fish morphology, physiology, and energetics, exam questions and marking)
	2018-2019	Teaching assistant, **Principles in Fisheries Science** (wrote R lab *Impacts of fishing in an ecological context*)
	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, main supervisor)** The effect of temperature on life history traits of perch (*Perca fluviatilis*) in a large scale natural climate change experiment and its implications for population age- and size structure?
	2016	**Mattias Grunander (Master's degree project, co-supervisor)** Effects of global warming on Eurasian perch (*Perca fluviatilis*) in the Baltic Sea. - Does the growth response to increased temperatures differ along a latitudinal gradient?
Conferences	2019 Aug	**Baltic Sea Science Congress, Stockholm (Talk)** *Warming alters the effect of fishing on the size spectra of an exploited temperate food web*
	2019 Jun	**Society for Experimental Biology (Satellite: Is global warming causing animals to shrink? evidence, mechanisms and models), Seville (Talk)** *Physiological constraints to growing large in warm waters?*
	2019 Feb	**Swedish Oikos Meeting, Uppsala (Talk)** *Physiological constraints to growing large in warm waters?*

	2018 Apr	**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*
	2018 Feb	**Nordic Oikos Meeting, Trondheim (Talk)** *Species interactions determine effects of warming on stability in a stage-structured food chain*
	2017 Feb	**Swedish Oikos Meeting, Lund (Talk)** *Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations*
Reviewed for:		ICES Journal of Marine Science (3) | Oikos (2) | Ecology (1) | Scientific Reports (1) | Functional Ecology (1)
Workshops organized	2019	**Making graphics in R for popular report on status of fishes in Swedish**
	2018 Oct	**Modelling population dynamics** Organized a session on *Numerical continuation analysis of a predator-prey model*
	2018 Mar	**LunchR** Organized a department wide 4-session long lunch workshop on plotting and data manipulation in R (organized together with Philip Jacobson)
Academic service	2019	**PhD Representative** Department
	2014-2015	**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
	2014-2015	**Student Ambassador Applied Marine and Fisheries Ecology** I communicated with prospective students, mostly through social media
Outreach	2016-2020	**Co-managing research group's Instagram account @fishinfoodwebs**
	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 (*go: TO SEA and Västerhavsveckan*)
	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)