CV

William Gosset

8/27/23

My CV is available as a pdf, but also below

Professional experience

Researcher 2022–

Chief Brewer (Park Royal) 1935-1937

Swedish University of Agricultural Sciences, Institute of Marine Research

2022– Researcher
Swedish University of Agricultural Sciences, Institute of Marine Research
2020–2022 Post-doctoral researcher
Swedish University of Agricultural Sciences, Institute of Marine Research

Education

2016–2020 Ph.D. Ecology, Swedish University of Agricultural Sciences
Temperature- and body size scaling: effects on individuals, populations and food webs.
2014–2015 MRes. Applied Marine and Fisheries Ecology (Distinction), University of Aberdeen.
Predicting spatial distribution of fish stocks by updating informative survey-based priors with commercial data in a Bayesian framework
2011–2014 BSc. Biology, University of Gothenburg

Publications

Google Scholar profile

[*Preprints*]

[*Publications*]

11. **Lindmark, M.**, Anderson, S. C., Gogina, M., Casini, M. 2023. Evaluating drivers of spatiotemporal variability in individual condition of a bottom-associated marine fish, Atlantic cod (*Gadus morhua*). *ICES Journal of Marine Science*, 80(5), 1539–1550 https://doi.org/10.1093/icesjms/fsad084

10. **Lindmark, M.**, Karlsson, M., and Gårdmark, A. 2023. Larger but younger fish when growth outpaces mortality in heated ecosystem. *eLife*, 12, e82996. https://doi.org/10.7554/eLife.82996

9. Belgrano, A, **Lindmark, M.** 2022. Biodiversity transformations in the global ocean: a climate change and conservation management perspective. *Global Change Biology*, 29(12), 3235–3236 https://doi.org/10.1111/gcb.16665

8. Woods, A. H, Moran, A. L. […] **Lindmark, M.*** […], Verberk, C.E.P. 2022. Integrative Approaches to Understanding Organismal Responses to Aquatic Deoxygenation. *The Biological Bulletin*, 243(2), pp. 85–103. https://doi.org/10.1086/722899 *16/26

7. Audzijonyte, A., Jakubavičiūtė, E., **Lindmark, M.**, Richards, S.A. 2022. Mechanistic temperature-size rule explanation should reconcile physiological and mortality responses to temperature. *The Biological Bulletin*, 243(2), pp. 220–238. https://doi.org/10.1086/722027

6. **Lindmark, M.**, Audzijonyte, A., Blanchard, J. L. Gårdmark, A. 2022. Temperature impacts on fish physiology and resource abundance lead to faster growth but smaller fish sizes and yields under warming. *Global Change Biology*, 28(21), 6239–6253. https://doi.org/10.1111/gcb.16341

5. **Lindmark, M.**, Ohlberger, J., Gårdmark, A. 2022. Optimum growth temperature declines with body size within fish species. *Global Change Biology*, 28(7), pp. 2259–2271. https://doi.org/10.1111/gcb.16067

4. Thunell, V., **Lindmark, M.**, Huss, M., Gårdmark, A. 2021. Effects of warming on intraguild predator communities with ontogenetic diet-shifts. *The American Naturalist*. 196(6). 706–718. https://doi.org/10.1086/716927

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*, 25(7), pp. 2285–2295. https://doi.org/10.1111/gcb.14637

2. **Lindmark, M.**, Ohlberger, J., Huss, M. Gårdmark, A. 2019. Size-based ecological interactions determine effects of warming on food web stability. *Ecology Letters*, 22(5), pp. 778–786. https://doi.org/10.1111/ele.13235

1. **Lindmark, M.**, Huss, M., Ohlberger, J. Gårdmark, A. 2018. Temperature-dependent body size effects determine population responses to climate warming. *Ecology letters*, 21(2), pp. 181–189. https://doi.org/10.1111/ele.12880

Reports

ICES. 2023. Workshop 2 on Fish Distribution (WKFISHDISH2; outputs from 2022 meeting). ICES Scientific Reports. 5:7. 127 pp. https://doi.org/10.17895/ices.pub.21692246

Havs- och vattenmyndigheten 2019. Fisk- och skaldjursbestånd i hav och sötvatten 2018. Resursöversikt. Havs- och vattenmyndighetens rapport 2019:4. Göteborg, 305 s.

Havs- och vattenmyndigheten 2018. Fisk- och skaldjursbestånd i hav och sötvatten 2017. Resursöversikt. Göteborg, 273 s.

Havs- och vattenmyndigheten 2016. Fisk- och skaldjursbestånd i hav och sötvatten 2016. Resursöversikt

Grants & awards

2022 *Formas research projects for early-career researchers*
Principal Investigator of a four-year grant (2023-2026) from the Swedish Research Council Formas for Early Career Researchers.
Project title: *Improving estimates of climate-driven body size changes and range shifts in fishes by accounting for fine-scale spatial heterogeneity.* (3 990 209 SEK)

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 *Fishmonger's Award* Scholarship recipient: Full fees payment (£3400) awarded to 1 MRes/MSc student on academic merit by the Fishmonger's Company

Gothenburg Biological Society Stipend 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 Stiftelsen Hvitfeldtska gymnasiets samfond
Stipend awarded for academic achievement (top 10% of science students in class)

Invited talks

2023 3rd Internal Water Seminar at SLU (Uppsala): *Embracing local scale processes in climate-driven range shifts*
2022 Svensk Fiskhälsa (Uppsala): *Fish and fisheries in a changing climate*
2021 Gulf of Maine Research Institute May Seminar (GMRI) (video): *Understanding the effects of climate warming on food webs via individual-level physiology*

Conferences

2023 PICES 5th International Symposium on the Effects of Climate Change on the World's Ocean (ECCWO-5), Bergen: *Local changes in demersal fish biomass in relation to oxygen, temperature, and the metabolic index in a warming and deoxygenating ecosystem*

Swedish Oikos Meeting, Gothenburg: *Quantifying competition between two demersal fish species*

2022 ICES ASC (Remote talk): *Higher mortality rates leave heated ecosystem with similar size structure despite larger, younger, and faster growing fish*

ICES/PICES Early Career Scientist Conference (Talk): *Evaluating drivers of spatiotemporal changes in the condition of Eastern Baltic cod*

2021 Swedish Oikos Meeting, Online (Talk): *Evaluating drivers of spatiotemporal changes in the condition of Eastern Baltic cod*

2019 Baltic Sea Science Congress, Stockholm (Talk): *Warming alters the effect of fishing on the size spectra of an exploited temperate food web*

Society for Experimental Biology, Seville (Talk). In Satellite: Is global warming causing animals to shrink? evidence, mechanisms and models: *Physiological constraints to growing large in warm waters?*

Swedish Oikos Meeting, Uppsala (Talk): *Physiological constraints to growing large in warm waters?*

2018 Models in Population Dynamics, Ecology, and Evolution, Leicester (Talk): *Species interactions determine effects of warming on stability in a stage-structured food chain*

Nordic Oikos Meeting, Trondheim (Talk): *Species interactions determine effects of warming on stability in a stage-structured food chain*

2017 Swedish Oikos Meeting, Lund (Talk): *Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations*

Working Groups

2020-present WGGRAFY (Member) Joint ICES/PICES Working Group on Impacts of Warming on Growth Rates and Fisheries Yields (WGGRAFY)

Teaching

All lab material written by me is available on this github repository:
https://github.com/maxlindmark/comp-labs-ecology

2019 *Sustainability perspectives on contemporary fisheries. Where have all the fishes gone?*
Teaching assistant. Lecture on climate impacts on global fisheries.

2016-2019 *Ecology for fish management and conservation*
Teaching assistant. Wrote R lab Population dynamics and harvesting, lecture on fish morphology, physiology, and energetics, supervising and grading student projects, exam questions and marking.

2018-2022 *Principles in Fisheries Science*
Teaching assistant. Wrote R lab Impacts of fishing in an ecological context. Lecture on ecological interactions. https://github.com/maxlindmark/pfs

Supervision

PhD students

2023– Henry Hansen, Karlstad University (co-supervisor)

MSc students

2023 Julia Cao Sanchez, Uppsala University
Main supervisor for project: *Joint species distribution modelling of benthic invertebrate communities*

Leo Sheils, Uppsala University
Main supervisor for project: *Effects of warming on fish growth and body size*

2019–2020 Malin Karlsson, Swedish University of Agricultural Sciences
Main supervisor for project: *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, Swedish University of Agricultural Sciences
Co-supervisor for project: *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?*

BSc students

2023 Lisa Schüttler, University of Gothenburg
Main supervisor for project: *Effects of heatwaves on fish size-at-age*

Workshops

2022 *Making academic websites using GitHub, Quarto and RStudio*
https://github.com/maxlindmark/quarto-website

2019 *Making graphics in R for popular report on status of fishes in Swedish*
https://github.com/maxlindmark/ROM

2018 *LunchR*
A department wide R course in data wrangling and plotting (4x1 hour). Solely initiated and organized together with student colleague Philip Jacobson. Material:
https://github.com/maxlindmark/LunchR

Modelling population dynamics with MatCont
Organized a session on numerical continuation analysis of a predator-prey model

Reviewing

Journals: ICES Journal of Marine Science | Fish and Fisheries | Nature Communications | Ecology | Scientific Reports | Functional Ecology | PLOS ONE | Oikos | Proceedings of the Royal Society B | Fisheries | Canadian Journal of Fishery and Aquatic Sciences | American

Fisheries Society | Global Ecology and Biogeography | Ecology and Evolution | Environmental Biology of Fishes

2019 Ifremer: External evaluation of PhD proposal

University Services

2019 PhD Representative Department of Aquatic Resources, SLU

2014–2015 Class representative Applied Marine and Fisheries Ecology
I represented students' opinions and views on the program in regular meetings with course- and program coordinators at the University of Aberdeen

Student Ambassador Applied Marine and Fisheries Ecology
I communicated with prospective students, mostly through social media

Outreach

2017 SLU 40th Anniversary, Uppsala (Poster) *Climate change and size-structured populations. Temperature dependent allometry and ontogenetic asymmetry shape warming responses of size structured populations*

Science evenings (high school), Östhammar municipality (Talk) *Effects of warming on fishes*

2014 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)

Gothenburg Museum of Natural History Arranged seminar (4*2 per year) with invited speakers, covering all things marine