Martin Lindegren - DTU Orbit (02/05/2018)
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Publications:

Adapting fisheries and their management to climate change: A review of concepts, tools, frameworks, and current progress toward implementation
Lindegren, M. & Brander, K. 2018 In : Reviews in Fisheries Science and Aquaculture. 26, 3, p. 400-415
Publication: Research - peer-review › Review – Annual report year: 2018

A global mismatch in the protection of multiple marine biodiversity components and ecosystem services
Publication: Research - peer-review › Journal article – Annual report year: 2018

Productivity and recovery of forage fish under climate change and fishing: North Sea sandeel as a case study
Lindegren, M., van Deurs, M., MacKenzie, B., Worsøe Clausen, L., Christensen, A. & Rindorf, A. 2018 In : Fisheries Oceanography. 27, 3, p. 212-221
Publication: Research - peer-review › Journal article – Annual report year: 2018

A trait-based approach to understanding marine communities composition, assembly and diversity
Publication: Research › Ph.D. thesis – Annual report year: 2017

Climate-mediated changes in marine ecosystem regulation during El Niño
Publication: Research - peer-review › Journal article – Annual report year: 2017

Community ecology in 3D: Tensor decomposition reveals spatio-temporal dynamics of large ecological communities
Publication: Research - peer-review › Journal article – Annual report year: 2017

From traits to life-history strategies: Deconstructing fish community composition across European seas
Publication: Research - peer-review › Journal article – Annual report year: 2017

Gender-specific feeding rates in planktonic copepods with different feeding behavior
Publication: Research - peer-review › Journal article – Annual report year: 2017

Global patterns in marine predatory fish
Publication: Research - peer-review › Journal article – Annual report year: 2017

Global patterns in the productivity of marine fish along parallel pathways of energy
van Denderen, P. D., Lindegren, M., MacKenzie, B., Watson, R. & Andersen, K. H. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017
Impacts of climate change on pelagic fisheries
1048 p.
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Marine fish traits follow fast-slow continuum along coastal-offshore gradient
Publication: Research › Conference abstract for conference – Annual report year: 2017

Temporal and spatial differences between taxonomic and trait biodiversity in a large marine ecosystem: Causes and consequences
Publication: Research - peer-review › Journal article – Annual report year: 2017

The importance of benthic-pelagic coupling for marine ecosystem functioning in a changing world
Publication: Research - peer-review › Journal article – Annual report year: 2017

Trophic impact of Atlantic bluefin tuna migrations in the North Sea
Publication: Research - peer-review › Journal article – Annual report year: 2017

From traits to life history strategies: deconstructing fish community composition across European Seas
Publication: Research › Conference abstract for conference – Annual report year: 2016

Global patterns in the feeding ecology of large marine fish
Publication: Research › Poster – Annual report year: 2016

Marine ecosystem connectivity mediated by migrant–resident interactions and the concomitant cross-system flux of lipids
Publication: Research - peer-review › Journal article – Annual report year: 2016

Patterns and drivers of fish community assembly in a large marine ecosystem
Pécuchet, L., Törmroos, A. & Lindegren, M. 2016 In : Marine Ecology - Progress Series. 546, p. 239-248
Publication: Research - peer-review › Journal article – Annual report year: 2016

Reproductive traits (Fecundity, egg diameter, parental care) of marine European fish
Publication: Research › Dataset – Annual report year: 2017
Resilience and stability of a pelagic marine ecosystem
Publication: Research - peer-review › Journal article – Annual report year: 2016

Spatial structuration of life history traits: congruence between multiple taxa and environmental drivers in the North Sea
Publication: Research › Poster – Annual report year: 2016

Spatio-temporal changes in life-history traits of the North Sea fish community under climate change and fishing
Beukhof, E., Dencker, T. S., Pécuchet, L. & Lindegren, M. 2016
Publication: Research › Conference abstract for conference – Annual report year: 2016

Beyond ocean connectivity: embracing advances on early life stages and adult connectivity to assessment and management challenges
Publication: Research › Conference abstract for conference – Annual report year: 2015

Climate and fishing steer ecosystem regeneration to uncertain economic futures
Publication: Research - peer-review › Journal article – Annual report year: 2015

Environmental filtering drives functional diversity of fish assemblages in a temperate system.
Pécuchet, L., Törnroos, A. & Lindegren, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Long-term functional trends in Baltic Sea coastal macrofauna and fish
Publication: Research › Conference abstract for conference – Annual report year: 2015

Taxonomic and functional diversity patterns of fish assemblages in the European Seas
Pécuchet, L., Hidalgo, M. & Lindegren, M. 2015
Publication: Research › Poster – Annual report year: 2015

The Baltic ATLANTIS model: Implementing a holistic framework to evaluate ecosystem wide responses to changes in climate and anthropogenic forcing
Publication: Research › Poster – Annual report year: 2015

A demonstration of an integrated ecosystem assessment and advice for Baltic Sea fish stocks
Publication: Research › Conference abstract for conference – Annual report year: 2014

A metacommunity perspective on source-sink dynamics and management: the Baltic Sea as a case study
Lindegren, M., Andersen, K. H., Casini, M. & Neuenfeldt, S. 2014 In : Ecological Applications. 24, 7, p. 1820-1832
Publication: Research - peer-review › Journal article – Annual report year: 2014
Assessing social-ecological trade-offs to advance ecosystem-based fisheries management.
Publication: Research - peer-review › Journal article – Annual report year: 2014

Forecasting fish stock dynamics under climate change: Baltic herring (Clupea harengus) as a case study
Publication: Research - peer-review › Journal article – Annual report year: 2014

Implementing ecosystem-based fisheries management: from single-species to integrated ecosystem assessment and advice for Baltic Sea fish stocks
Publication: Research - peer-review › Journal article – Annual report year: 2013

Sea surface temperature variability at the Scripps Institution of Oceanography Pier
Publication: Research - peer-review › Journal article – Annual report year: 2014

The Baltic ATLANTIS model: Implementing a holistic framework to evaluate ecosystem wide responses to changes in climate and anthropogenic forcing
Publication: Research › Poster – Annual report year: 2014

Biological ensemble modeling to evaluate potential futures of living marine resources
Publication: Research - peer-review › Journal article – Annual report year: 2013

Climate, fishing, and fluctuations of sardine and anchovy in the California Current
Publication: Research - peer-review › Journal article – Annual report year: 2013

Climate-induced response of commercially important flatfish species during the 20th century
Publication: Research - peer-review › Journal article – Annual report year: 2013

Swedish coastal herring fisheries in the wake of an ITQ system
Publication: Research - peer-review › Journal article – Annual report year: 2013

Temperature dependence of Pacific sardine (Sardinops sagax) recruitment in the California Current Ecosystem revisited and revised
Lindegren, M. & Checkley, D. M. 2013 In : Canadian Journal of Fisheries and Aquatic Sciences. 70, 2, p. 245-252
Publication: Research - peer-review › Journal article – Annual report year: 2013

Threshold-dependent climate effects and high mortality limit recruitment and recovery of the Kattegat cod
Lindegren, M. & Eero, M. 2013 In : Marine Ecology - Progress Series. 490, p. 223-232
Publication: Research - peer-review › Journal article – Annual report year: 2013

Towards sustainable fisheries of the Öresund cod (Gadus morhua) through sub-stock-specific assessment and management recommendations
Alien invasions and the game of hide and seek in Patagonia
Lindegren, M., Vigliano, P. & Nilsson, P. A. 2012 In : PLOS ONE. 7, 10

Early detection of ecosystem regime shifts: A multiple method evaluation for management application

Impact of climate change on fish population dynamics in the Baltic Sea: a dynamical downscaling investigation

Nutrient reduction and climate change cause a potential shift from pelagic to benthic pathways in an eutrophic marine ecosystem
Lindegren, M., Blenckner, T. & Stenseth, N. C. 2012 In : Global Change Biology. 18, 12, p. 3491-3503

Predator transitory spillover induces trophic cascades in ecological sinks

The state and relative importance of drivers of fish population dynamics: An indicator-based approach
Eero, M., Lindegren, M. & Köster, F. 2012 In : Ecological Indicators. 15, 1, p. 248-252

Applying the shiftogram approach for identifying ecosystem changes - the Baltic Sea as a multivariate test case

Beauty is in the eye of the beholder: Management of Baltic cod stock requires an ecosystem approach
Möllmann, C., Blenckner, T., Casini, M., Gårdmark, A. & Lindegren, M. 2011 In : Marine Ecology - Progress Series. 431, p. 293-297

Biological ensemble modelling to improve marine science and ecosystem-based management advice

Effects of mammal predation on small pelagic fish

Fishery- and climate-induced changes in predator distribution trigger a spatial reallocation of its prey: the cod–sprat dynamics in the Baltic Sea
Interacting trophic forcing and the population dynamics of herring
Lindegren, M., Ostman, O. & Gardmark, A. 2011 In : Ecology. 92, 7, p. 1407-1413
Publication: Research - peer-review › Journal article – Annual report year: 2011

The times they are a-changin': but can they change back?
Lindegren, M., Möllmann, C., Gårdmark, A. & Blenckner, T. 2011 In : ICES Insight. 48, p. 32-38
Publication: Communication › Journal article – Annual report year: 2011

Towards holistic ecosystem assessments - achievements of the ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea (WGIAB)
Publication: Research › Conference abstract for conference – Annual report year: 2011

Biomanipulation - a tool in marine ecosystem management and restoration?
Lindegren, M., Möllmann, C. & Hansson, L-A. 2010 In : Ecological Applications. 20, 8, p. 2237-2248
Publication: Research - peer-review › Journal article – Annual report year: 2010

Climate- and fishery-induced changes in predator distribution trigger a spatial reallocation of its prey: the Baltic Sea case study
Casini, M., Bergström, U., Lindegren, M. & Axe, P. 2010
Publication: Research › Conference abstract for conference – Annual report year: 2010

Climate-induced synchronous regime shifts along environmental and diversity gradients in Baltic Sea sub-systems
Publication: Research › Conference abstract for conference – Annual report year: 2010

Cod and future climate change
Publication: Research › Report – Annual report year: 2010

Ecological forecasting under climate change - the case of Baltic cod
Lindegren, M., Möllmann, C., Nielsen, A., Brander, K. & MacKenzie, B. 2010
Publication: Research › Conference abstract for conference – Annual report year: 2010

Ecological forecasting under climate change: the case of Baltic cod
Publication: Research - peer-review › Journal article – Annual report year: 2010

Integrated ecosystem assessments of seven Baltic Sea areas covering the last three decades
Publication: Research › Report – Annual report year: 2010

Making the ecosystem approach operational-Can regime shifts in ecological- and governance systems facilitate the transition?
Publication: Research - peer-review › Journal article – Annual report year: 2010

Modelling the effects of climate change, species interactions and fisheries - towards Ecosystem-based Fisheries Management in the Central Baltic Sea
Progress report of the project: Towards an ecosystem based management of herring in the Baltic Sea
Lindegren, M. 2010 65 p.
Publication: Research › Report – Annual report year: 2010

Regime shifts, resilience and recovery of a cod stock
Lindegren, M., Diekmann, R. & Möllmann, C. 2010 In : Marine Ecology - Progress Series. 402, p. 239-253
Publication: Research - peer-review › Journal article – Annual report year: 2010

Report of the ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea (WGIAB), 19-23 April, Copenhagen
Publication: Research › Report – Annual report year: 2010

Publication: Research › Report – Annual report year: 2010

An ecosystem-based framework for tracking performance of fish stocks and related forcings using fuzzy-logic approach
Eero, M., Jarre, A., Ojaveer, H., Tomczak, M., Lindegren, M. & Köster, F. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

Biological ensemble modelling of the Eastern Baltic cod future
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

Preventing the collapse of the Baltic cod stock through an ecosystem-based management approach
Publication: Research - peer-review › Journal article – Annual report year: 2009

Report of the Working Group on Integrated Assessment of the Baltic Sea (WGIAB), 16-20 March, Rostock Germany
Publication: Research › Report – Annual report year: 2009

Report of the workshop on combining climatic scenarios and medium-term predictions for Baltic herring and sprat stocks (WKCSMPB)
Publication: Research › Report – Annual report year: 2009

Report of the Working Group on Integrated Assessment of the Baltic Sea (WGIAB)
Publication: Research › Report – Annual report year: 2008

Projects:
Determining the influence of benthic substrate on Biodiversity-Ecosystem Function relationships in coral reef ecosystems
Maginnis, N., Lindegren, M., Keith, S. A. & Wisz, M.
01/04/2017 → 31/03/2020
Project: PhD

Understanding the biodiversity-ecosystem functioning relationship in marine food webs through large-scale observations and modelling
Maureaud, A., Lindegren, M. & Andersen, K. H.
15/02/2017 → 14/02/2020
Project: PhD

A trait-based approach for predicting fish community structure, function and services under climate change and exploitation
Beukhof, E., Lindegren, M. & Andersen, K. H.
15/03/2016 → 14/03/2019
Project: PhD

Density-dependent processes in marine fish stocks
van Gemert, R., Andersen, K. H. & Lindegren, M.
15/11/2015 → 14/11/2018
Project: PhD

Marine management of ecosystem dynamics under climate change (MARmaED) (39300)
Andersen, K. H., Lindegren, M., van Gemert, R. & Beukhof, E.
01/10/2015 → 01/10/2019
Project

Functional diversity in marine ecosystems - linking biodiversity to ecosystem integrity
Dencker, T. S., Lindegren, M., Grønkjær, P. & Payne, M.
01/09/2015 → 02/12/2018
Project: PhD

A trait-based approach towards understanding benthic-pelagic pathways in marine ecosystems
15/12/2013 → 06/06/2017
Project: PhD

Centre for Macroecology, Evolution and Climate (CMEC) (38784)
MacKenzie, B., Lindegren, M., Mantzouni, I., Neuheimer, A., Hartvig, M., Reygondeau, G. & Tsoukali, S.
01/01/2010 → 31/12/2015
Project

Advanced modelling tool for scenarios of the Baltic Sea ecosystem to support decision making (ECOSUPPORT) (38733)
MacKenzie, B., Eero, M., Lindegren, M. & Neuenfeldt, S.
01/01/2009 → 31/12/2011
Project

Elucidating the structure and functioning of marine ecosystems through synthesis and comparative analysis (META-OCEANS) (38154)
01/03/2006 → 09/12/2011
Project