Research outputs:

A Climate-driven functional inversion of connected marine ecosystems
Research output: Research - peer-review › Journal article – Annual report year: 2018

Adapting fisheries and their management to climate change: A review of concepts, tools, frameworks, and current progress toward implementation
Research output: Research - peer-review › Review – Annual report year: 2018

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

Spatial distribution of life-history traits and their response to environmental gradients across multiple marine taxa
Research output: Research - peer-review › Journal article – Annual report year: 2018

Using ecological traits of marine fish to detect responses to environmental change: which traits to choose?
Research output: Research › Conference abstract for conference – Annual report year: 2018

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

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

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

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

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

Global patterns in the productivity of marine fish along parallel pathways of energy
Research output: Research › Conference abstract for conference – Annual report year: 2017
Impacts of climate change on pelagic fisheries
Research output: Research - peer-review › Book chapter – Annual report year: 2017

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

Marine fish traits follow fast-slow continuum along coastal-offshore gradient
Research output: Research › Poster – Annual report year: 2017

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

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

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

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

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

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

Patterns and drivers of fish community assembly in a large marine ecosystem
Research output: Research - peer-review › Journal article – Annual report year: 2016

Reproductive traits (Fecundity, egg diameter, parental care) of marine European fish
Research output: Research › Dataset – Annual report year: 2017

Resilience and stability of a pelagic marine ecosystem
Research output: 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
Research output: Research › Poster – Annual report year: 2016

Spatio-temporal changes in life-history traits of the North Sea fish community under climate change and fishing
Research output: 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
Research output: Research › Conference abstract for conference – Annual report year: 2015

Climate and fishing steer ecosystem regeneration to uncertain economic futures
Research output: Research - peer-review › Journal article – Annual report year: 2015
Environmental filtering drives functional diversity of fish assemblages in a temperate system.
Research output: Research › Conference abstract for conference – Annual report year: 2015

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

Taxonomic and functional diversity patterns of fish assemblages in the European Seas
Research output: Research › Conference abstract for conference – Annual report year: 2015

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

A demonstration of an integrated ecosystem assessment and advice for Baltic Sea fish stocks
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2014

Assessing social-ecological trade-offs to advance ecosystem-based fisheries management.
Research output: Research - peer-review › Journal article – Annual report year: 2014

Forecasting fish stock dynamics under climate change: Baltic herring (Clupea harengus) as a case study
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2013

Sea surface temperature variability at the Scripps Institution of Oceanography Pier
Research output: 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
Research output: Research › Poster – Annual report year: 2014

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

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

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

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

Threshold-dependent climate effects and high mortality limit recruitment and recovery of the Kattegat cod
Research output: 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
Research output: Research - peer-review › Journal article – Annual report year: 2013

Alien invasions and the game of hide and seek in Patagonia
Research output: Research - peer-review › Journal article – Annual report year: 2012

Early detection of ecosystem regime shifts: A multiple method evaluation for management application
Research output: Research - peer-review › Journal article – Annual report year: 2012

Impact of climate change on fish population dynamics in the Baltic Sea: a dynamical downscaling investigation
Research output: Research - peer-review › Journal article – Annual report year: 2012

Nutrient reduction and climate change cause a potential shift from pelagic to benthic pathways in a eutrophic marine ecosystem
Research output: Research - peer-review › Journal article – Annual report year: 2012

Predator transitory spillover induces trophic cascades in ecological sinks
Research output: Research - peer-review › Journal article – Annual report year: 2012

The state and relative importance of drivers of fish population dynamics: An indicator-based approach
Research output: Research - peer-review › Journal article – Annual report year: 2011

Applying the shiftogram approach for identifying ecosystem changes - the Baltic Sea as a multivariate test case
Research output: Research › Conference abstract for conference – Annual report year: 2011

Beauty is in the eye of the beholder: Management of Baltic cod stock requires an ecosystem approach
Research output: Research - peer-review › Journal article – Annual report year: 2011

Biological ensemble modelling to improve marine science and ecosystem-based management advice
Research output: Research › Conference abstract for conference – Annual report year: 2011

Effects of mammal predation on small pelagic fish
Research output: Research › Conference abstract for conference – Annual report year: 2011

Fishery- and climate-induced changes in predator distribution trigger a spatial reallocation of its prey: the cod–sprat dynamics in the Baltic Sea
Research output: Research › Conference abstract for conference – Annual report year: 2011

Interacting trophic forcing and the population dynamics of herring
Research output: Research - peer-review › Journal article – Annual report year: 2011

The times they are a-changin': but can they change back?
Research output: 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)
Research output: Research › Conference abstract for conference – Annual report year: 2011

Biomanipulation - a tool in marine ecosystem management and restoration?
Research output: 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
Research output: Research › Conference abstract for conference – Annual report year: 2010

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

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

Ecological forecasting under climate change - the case of Baltic cod
Research output: Research › Conference abstract for conference – Annual report year: 2010

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

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

Making the ecosystem approach operational-Can regime shifts in ecological- and governance systems facilitate the transition?
Research output: 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
Research output: Research › Ph.D. thesis – Annual report year: 2010

Progress report of the project: Towards an ecosystem based management of herring in the Baltic Sea
Research output: Research › Report – Annual report year: 2010

Regime shifts, resilience and recovery of a cod stock
Research output: 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
Research output: Research › Report – Annual report year: 2010

Research output: Research › Report – Annual report year: 2010

An ecosystem-based framework for tracking performance of fish stocks and related forcings using fuzzy-logic approach
Research output: Research › Conference abstract for conference – Annual report year: 2009

Biological ensemble modelling of the Eastern Baltic cod future
Research output: Research › Conference abstract in proceedings – Annual report year: 2009
Preventing the collapse of the Baltic cod stock through an ecosystem-based management approach
Research output: 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
Research output: 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)
Research output: Research › Report – Annual report year: 2009

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

Projects:

Maintaining a sustainable sprat fishery in the North Sea (BEBRIS) (39548)
Project: Research

Distribution of mackerel, herring and sprat (MAKSIBRI) (39434)
Project: Research

Determining the influence of benthic substrate on Biodiversity-Ecosystem Function relationships in coral reef ecosystems
Project: PhD

Understanding the biodiversity-ecosystem functioning relationship in marine food webs through large-scale observations and modelling
Project: PhD

Marine management of ecosystem dynamics under climate change (MARmaED) (39300)
Project: Research

Elucidating the structure and functioning of marine ecosystems through synthesis and comparative analysis (META-OCEANS) (38154)
Project: Research

A trait-based approach for predicting fish community structure, function and services under climate change and exploitation
Project: PhD

Density-dependent processes in marine fish stocks
Project: PhD

Functional diversity in marine ecosystems - linking biodiversity to ecosystem integrity
Project: PhD

A trait-based approach towards understanding benthic-pelagic pathways in marine ecosystems
Project: PhD

Advanced modelling tool for scenarios of the Baltic Sea ecosystem to support decision making (ECOSUPPORT) (38733)
Project: Research
Centre for Macroecology, Evolution and Climate (CMEC) (38784)
Project: Research