Publications:

Changes in reproductive life history and resource allocation impacting population dynamics of Baltic cod
Publication: Research › Conference abstract for conference – Annual report year: 2017

Do spatio-temporal spawning closures promote the recovery of cod in the Baltic Sea?
Publication: Research › Conference abstract for conference – Annual report year: 2017

Eastern Baltic cod recruitment revisited—dynamics and impacting factors
Publication: Research › peer-review › Review – Annual report year: 2016

Fish egg predation by Baltic sprat and herring: do species characteristics and development stage matter?
Publication: Research › peer-review › Journal article – Annual report year: 2017

Quantifying predation on Baltic cod early life stages
Publication: Research › peer-review › Journal article – Annual report year: 2017

Trophic Interactions in the Baltic Sea: Clupeid predation on cod early life stages
Publication: Research › Conference abstract for conference – Annual report year: 2017

Trophic Interactions in the Baltic Sea: Clupeid predation on cod early life stages
Publication: Research › Conference abstract for conference – Annual report year: 2017

Trophic Interactions in the Baltic Sea: Predation on cod eggs by clupeids
Publication: Research › Ph.D. thesis – Annual report year: 2017

Baltic cod recruitment – the impact of changing environmental conditions
Publication: Research › Paper – Annual report year: 2016

Clupeid consumption of cod eggs: Does it affect recent recruitment of Baltic cod?
Publication: Research › Conference abstract for conference – Annual report year: 2016

Ecosystem indicators in the context of fisheries management: example of cod in the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2016

Towards sustainable blue growth: Outline of the joint Baltic Sea and the North Sea research and innovation programme 2018-2023
Publication: Research › Report – Annual report year: 2016
Understanding the processes behind fish stock dynamics: Where are we?
Publication: Research › Conference abstract for conference – Annual report year: 2017

Eastern Baltic cod in distress: biological changes and challenges for stock assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Processes controlling recruitment in Baltic cod
Publication: Research › Conference abstract for conference – Annual report year: 2015

Reproduction of Baltic cod, Gadus morhua (Actinopterygii: Gadiformes: Gadidae), in the Gotland Basin: Causes of annual variability
Publication: Research - peer-review › Journal article – Annual report year: 2015

BONUS strategic research agenda 2011–2017, update 2014
Publication: Research › Report – Annual report year: 2014

Characteristics of juvenile survivors reveal spatio-temporal differences in early life stage survival of Baltic cod
Publication: Research - peer-review › Journal article – Annual report year: 2014

Floating along buoyancy levels: dispersal and survival of western Baltic fish eggs
Publication: Research - peer-review › Journal article – Annual report year: 2014

Gadoid fisheries: the ecology and management of rebuilding: Introduction
Publication: Research - peer-review › Journal article – Annual report year: 2014

Recovery in eastern Baltic cod: is increased recruitment caused by decreased predation on early life stages?
Publication: Research - peer-review › Journal article – Annual report year: 2014

Sustainable exploitation and management of aquatic resources
Publication: Research › Conference abstract in proceedings – Annual report year: 2014

Cod recovery as a new challenge for fisheries management: experience from the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2013

Linking size and age at sexual maturation to body growth, productivity and recruitment of Atlantic cod stocks spanning the North Atlantic
Publication: Research - peer-review › Journal article – Annual report year: 2012

Marine fisheries science priorities
Publication: Research › Paper – Annual report year: 2013

Recruitment processes in Baltic sprat - A re-evaluation of GLOBEC Germany hypotheses
Publication: Research - peer-review › Journal article – Annual report year: 2012

Robustness of egg production methods as a fishery independent alternative to assess the Eastern Baltic cod stock (Gadus morhua callarias L.)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Spatial management of marine resources can enhance the recovery of predators and avoid local depletion of forage fish
Publication: Research - peer-review › Journal article – Annual report year: 2012
Stock assessment in the BCC region
Publication: Research › Conference abstract for conference – Annual report year: 2013

The ecophysiology of Sprattus sprattus in the Baltic and North Seas
Publication: Research - peer-review › Journal article – Annual report year: 2012

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

Why is the Eastern Baltic cod recovering?
Publication: Research - peer-review › Journal article – Annual report year: 2011

Externally driven mortality of cod early life stages in the central Baltic: hydrography vs. predation
Publication: Research › Conference abstract for conference – Annual report year: 2011

Grey seal predation on forage fish in the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2011

Introducing state-space stock assessment (SAM), split species issues and spatial modelling
Publication: Research › Paper – Annual report year: 2011

Linking size and age of attaining sexual maturation to growth and stock productivity in Atlantic cod stocks
Publication: Research › Conference abstract for conference – Annual report year: 2011

Multi-decadal responses of a cod (Gadus morhua) population to human-induced trophic changes, fishing, and climate
Publication: Research - peer-review › Journal article – Annual report year: 2010

Spatio-temporal overlap of the alien invasive ctenophore Mnemiopsis leidyi and ichthyoplankton in the Bornholm Basin (Baltic Sea)
Publication: Research - peer-review › Journal article – Annual report year: 2011

The invasive ctenophore Mnemiopsis leidyi in the central Baltic Sea: seasonal phenology and hydrographic influence on spatio-temporal distribution patterns
Publication: Research - peer-review › Journal article – Annual report year: 2011

The recovery of cod in the Baltic Sea, a success against all odds
Publication: Research › Paper – Annual report year: 2011

Vertical distribution and growth performance of Baltic cod larvae - Field evidence for starvation-induced recruitment regulation during the larval stage?
Publication: Research - peer-review › Journal article – Annual report year: 2011

Weaving marine food webs from end to end under global change
Publication: Research - peer-review › Journal article – Annual report year: 2010

Baltic cod cannibalism: differing consequences at stock recovery vs. decline?
Publication: Research › Conference abstract for conference – Annual report year: 2010

CAVIAR: Climate variability of the Baltic Sea area
Publication: Research › Paper – Annual report year: 2010
Framework of stock-recovery strategies: analyses of factors affecting success and failure
Publication: Research - peer-review › Journal article – Annual report year: 2010

Impact of hypoxia on consumption of Baltic cod in a multispecies stock assessment context
Publication: Research - peer-review › Journal article – Annual report year: 2010

Influence of lipids and fatty acid composition on Baltic cod (Gadus morhua) maturation and timing of spawning
Publication: Research › Conference abstract for conference – Annual report year: 2010

Marine resources management in the face of change: from ecosystem science to ecosystem-based management
Publication: Research › Conference abstract for conference – Annual report year: 2010

The EFARO perspective on providing science for policy
Publication: Research › Conference abstract for conference – Annual report year: 2010

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

Baltic cod cannibalism: Differing consequences at stock recovery versus the historic situation of cod decline?
Publication: Research › Conference abstract for conference – Annual report year: 2009

Current trends in the assessment and management of stocks
Publication: Research - peer-review › Book chapter – Annual report year: 2009

Ecosystem productivity: From: DTU Climate Change Technologies
Publication: Research › Report – Annual report year: 2009

Egg production methods as a fishery independent alternative to assess the Eastern Baltic cod stock
Publication: Research › Conference abstract for conference – Annual report year: 2009

Environmental effects on recruitment and implications for biological reference points of Eastern Baltic cod (Gadus morhua)
Publication: Research - peer-review › Journal article – Annual report year: 2009

Identifying eastern Baltic cod nursery grounds using hydrodynamic modelling: knowledge for the design of Marine Protected Areas
Publication: Research - peer-review › Journal article – Annual report year: 2009

Reflection on the CFP reform
Publication: Research › Conference abstract for conference – Annual report year: 2009

Seasonal lipid dynamics of herring and sprat in the Baltic Sea and possible implications for cod reproduction
Publication: Research › Poster – Annual report year: 2009

Udbredelse af den invasive ribbegople Mnemiopsis leidyi i Bornholmerdybet og mulige konsekvenser for kommercielt vigtige fiskebestande
Publication: Research › Conference abstract for conference – Annual report year: 2009

UNCOVER: Fish Stock Recovery Strategies – Lessons learned in the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2009
Yes, we can – the successful recovery of the Baltic sprat stock
Publication: Research › Conference abstract for conference – Annual report year: 2009

CAVIAR: Climate variability of the Baltic Sea area
Publication: Research › Poster – Annual report year: 2008

Climate related marine ecosystem changes
Publication: Research - peer-review › Book chapter – Annual report year: 2008

Fish
Publication: Research - peer-review › Book chapter – Annual report year: 2008

FishFrame 5.0: A web based datawarehouse application for management, access and integration of fisheries and stock assessment data
Publication: Research › Conference article – Annual report year: 2008

Fish stock development under hydrographic and hydrochemical aspects - the history of Baltic Sea fisheries and its management
Publication: Research - peer-review › Book chapter – Annual report year: 2008

Incorporating environmental variability in stock assessment: predicting recruitment, spawner biomass and landings of sprat (Sprattus sprattus) in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2008

Process-based model for direct and indirect effects of hydrographic conditions on Central Baltic (Gadus morhua) cod egg mortality
Publication: Research - peer-review › Journal article – Annual report year: 2008

Reconstructing historical stock development of Atlantic cod (Gadus morhua) in the eastern Baltic Sea before the beginning of intensive exploitation
Publication: Research - peer-review › Journal article – Annual report year: 2008

Seasonal prevalence and intensity of follicular atresia in Baltic cod Gadus morhua callarias L
Publication: Research - peer-review › Journal article – Annual report year: 2008

The Eastern Baltic cod stock in the 20th century: Resolving impacts of fishing, human-induced trophic changes and climate
Publication: Research › Conference article – Annual report year: 2008

Vertical distribution and nutritional condition of Baltic cod larvae - revisited
Publication: Research › Poster – Annual report year: 2008

Developing an integrated view on the Baltic Sea ecosystem: The EUR-OCEANS Baltic system study
Publication: Research › Article in proceedings – Annual report year: 2007

Eastern Baltic cod (Gadus morhua callarias) stock dynamics: extending the analytical assessment back to the mid-1940s
Publication: Research - peer-review › Journal article – Annual report year: 2007

Impact of 21st century climate change on the Baltic Sea fish community and fisheries
Publication: Research - peer-review › Review – Annual report year: 2007

Impact of 21st century climate change on the Baltic Sea fish community and fisheries
Publication: Research › Conference article – Annual report year: 2007
Incorporating environmental variability in stock assessment - predicting recruitment, spawner biomass and landings of sprat in the Baltic Sea
Publication: Research › Conference article – Annual report year: 2007

Invading Mnemiopsis leidyi as a potential threat to Baltic fish
Publication: Research - peer-review › Journal article – Annual report year: 2007

Pelagic habitat mapping: A tool for area-based fisheries management in the Baltic Sea
Publication: Research › Report – Annual report year: 2007

Spatial and temporal heterogeneity of the cod spawning environment in the Bornholm Basin, Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2007

Dorsch in der Ostsee
Publication: Research › Book chapter – Annual report year: 2006

Growth, drift and survival probability of cod early life stages in relation to environmental conditions
Publication: Research › Poster – Annual report year: 2006

Recruitment variability in Baltic Sea sprat (Sprattus sprattus) is tightly coupled to temperature and transport patterns affecting the larval and early juvenile stages
Publication: Research - peer-review › Journal article – Annual report year: 2006

Torsken og klimaforandringer
Publication: Research › Poster – Annual report year: 2006

Baltic
Publication: Research › Book chapter – Annual report year: 2005

Baltic cod recruitment - the impact of climate variability on key processes
Publication: Research - peer-review › Journal article – Annual report year: 2005

Climate, zooplankton, and pelagic fish growth in the central Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2005

Maternal and paternal influences on early life history traits and processes of Baltic cod Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2005

Timing of Baltic cod spawning and spawner demography
Publication: Research › Conference article – Annual report year: 2005

A new retention index for the Central Baltic Sea: long-term hydrodynamic modelling used to improve Baltic sprat recruitment models
Publication: Research › Journal article – Annual report year: 2004

A new retention index for the central Baltic Sea: long-term hydrodynamic modelling used to improve Baltic sprat, Sprattus sprattus, recruitment models
Publication: Research › Conference article – Annual report year: 2004

Baltic cod recruitment - the role of physical forcing and species interactions
Publication: Research › Conference article – Annual report year: 2004
Distribution of herring and sprat in the Baltic Sea in relation to physical features
Publication: Research › Conference article – Annual report year: 2004

Estimating Baltic sprat (Sprattus sprattus balticus S.) population sizes from egg production
Publication: Research - peer-review › Journal article – Annual report year: 2004

Feeding ecology of central Baltic Sea herring (Clupea harengus) and sprat (Sprattus sprattus)
Publication: Research - peer-review › Journal article – Annual report year: 2004

Fish predation control of key copepod species in the Bornholm Basin
Publication: Research › Journal article – Annual report year: 2004

Fish predation control of key copepod species in the Bornholm Basin
Publication: Research › Conference article – Annual report year: 2004

Fish production and climate: Sprat in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2004

Herring and sprat growth changes in the central Baltic Sea
Publication: Research › Conference article – Annual report year: 2004

Baltic cod
Publication: Research › Report – Annual report year: 2003

Comparing the feeding habits of co-occurring sprat (Sprattus sprattus) and cod (Gadus morhua) larvae in the Bornholm Basin, Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2003

Developing alternative indices of reproductive potential for use in fisheries management: Case studies for stocks spanning an information gradient
Publication: Research - peer-review › Journal article – Annual report year: 2003

Environmental indices in fish stock assessment and management procedures: State of the art in pelagic fish stocks: report of the 2nd meeting of the SPACC/IOC Study Group on "Use of environmental indices in the management of pelagic fish populations" (9-11 November 2002, Paris, France)
Publication: Research › Report – Annual report year: 2003

Environmental indices in the assessment of Baltic sprat and herring: Report of the 2nd meeting of the SPACC/IOC Study Group on "Use of environmental indices in the management of pelagic fish populations" (9-11 November 2002, Paris, France)
Publication: Research › Report – Annual report year: 2003

Fish stock development in the Central Baltic Sea (1976-2000) in relation to variability in the environment
Publication: Research - peer-review › Journal article – Annual report year: 2003

Interannual variability in population dynamics of calanoid copepods in the Central Baltic Sea
Publication: Research › Journal article – Annual report year: 2003

Modelling the influences of atmospheric forcing conditions on Baltic cod early life stages: distribution and drift
Publication: Research - peer-review › Journal article – Annual report year: 2003
Recruitment of Baltic cod and sprat stocks: identification of critical life stages and incorporation of environmental variability into stock-recruitment relationships  
Publication: Research - peer-review › Journal article – Annual report year: 2003

Scientific knowledge on biological processes potentially useful in fish stock predictions  
Publication: Research - peer-review › Journal article – Annual report year: 2003

The marine copepod, Pseudocalanus elongatus, as a mediator between climate variability and fisheries in the Central Baltic Sea  
Publication: Research - peer-review › Journal article – Annual report year: 2003

Biodiversity and species-environment relationships of the demersal fish assemblage at the Great Meteor Seamount (subtropical NE Atlantic), sampled by different trawls  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Biophysical modelling of larval Baltic cod (Gadus morhua) survival and growth  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Egg production of Baltic cod in relation to variable sex ratio, maturity and fecundity  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Long-term trends in abundance of cladocerans in the Central Baltic Sea  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Population dynamics of calanoid copepods and the implications of their predation by clupeid fish in the Central Baltic Sea  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Resolving the impact of short-term variations in physical processes impacting on the spawning environment of eastern Baltic cod: application of a 3-D hydrodynamic model  
Publication: Research - peer-review › Journal article – Annual report year: 2002

Developing Baltic cod recruitment models II: Incorporation of environmental variability and species interaction  
Publication: Research - peer-review › Journal article – Annual report year: 2001

Developing Baltic cod recruitment models I: Resolving spatial and temporal dynamics of spawning stock and recruitment for cod, herring, and sprat  
Publication: Research - peer-review › Journal article – Annual report year: 2001

Diatom production in the marine environment: implications for larval fish growth and condition  
Publication: Research - peer-review › Journal article – Annual report year: 2001

Baltic cod: Resolving processes determining spatial and temporal windows of survival  
Publication: Research › Conference article – Annual report year: 2000

Recruitment of Baltic cod and sprat stocks: Identification of critical life stages and incorporation of environmental variability and spatial heterogeneity into stock-recruitment relationships  
Publication: Research › Conference article – Annual report year: 2000

Trophodynamic control on recruitment success in Baltic cod: the influence of cannibalism  
Publication: Research - peer-review › Journal article – Annual report year: 2000

Baltic cod reproduction in the Gotland Basin: annual variability and possible causes  
Publication: Research › Conference article – Annual report year: 1999
Does spatial match-mismatch of spawning and environmental conditions and recruitment in Baltic cod?
Publication: Research › Conference article – Annual report year: 1999

Stock-recruitment relationships of Baltic cod incorporating environmental variability and spatial heterogeneity
Publication: Research › Conference article – Annual report year: 1999

Summary of environmental conditions relevant to cod and sprat biology in the Baltic Sea
Publication: Research › Report – Annual report year: 1999

Quantifying and disaggregating the spawner effect: Incorporating stock structure, spatial distribution and female influences into estimates of annual population egg production
Publication: Research › Conference article – Annual report year: 1998

Baltic cod recruitment project (CORE)
Publication: Research › Conference article – Annual report year: 1996

Size and visibility of Baltic cod eggs with reference to size-selective and stage-dependent predation mortality
Publication: Research - peer-review › Journal article – Annual report year: 1996

Baltic cod recruitment project
Publication: Research › Conference article – Annual report year: 1995

Wissenschaftliche Grundlagen für ökosystem-orientiertes Fischereimanagement in den Gewässern vor Grönland
Publication: Research › Report – Annual report year: 1993

Projects:

BONUS BIO-C3 Cruise (39117-DCH)
Project

Biodiversity changes - causes, consequences and management implications (BIO-C3) (39117)
Project

Externally driven mortality of Eastern Baltic cod early life stages: Impact of predation and hydrography
Project: PhD

Development of ecological sustainable fisheries practices in the Benguela Current Large Marine Ecosystem (EcoFish) (38847)
Project

Vectors of change (VECTORS) (38907)
Project

European basin-scale analysis, synthesis and integration (EURO-BASIN) (38899)
Project

Towards an integrated marine and maritime science community (MARCOM+) (38881)
Project
Building scenarios for marine ecosystems under anthropogenic and natural forcings (EurOceans Consortium) (38779)
Project

Marine ecosystem evolution in a changing environment (MEECE) (38131)
Project

Resolving climatic impacts on fish stocks (RECLAIM) (38109)
Project

Indicators for fisheries management in Europe (IMAGE) (38225)
Project

Understanding the mechanisms of stock recovery (UNCOVER) (38104)
Project

Baltic Sea management: Nature conservation and sustainable development of the ecosystem through spatial planning (BALANCE) (38432)
Project

Critical interactions between species and their implications for a precautionary fisheries management in a variable environment – a modeling approach (BECAUSE) (38613)
Project

European advisory system evaluation (EASE) (2194)
Project

Environmental and Fisheries Influences on Fish Stock Recruitment in the Baltic Sea (STORE)
Project

Activities:

ICES - Bureau meeting - BUREAU (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Bureau Meeting (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Council Meeting (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar