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Research outputs:

Making the otolith magnesium chemical calendar-clock tick: Plausible Mechanism and Empirical Evidence
Research output: Research - peer-review › Review – Annual report year: 2018

A brief history of lumpfishing, assessment, and management across the North Atlantic
Research output: Research - peer-review › Journal article – Annual report year: 2018

Analysis of cod otolith microchemistry by continuous line transects using LA-ICP-MS
Research output: Research - peer-review › Journal article – Annual report year: 2018

Faster or slower: has growth of eastern Baltic cod changed?
Research output: Research - peer-review › Journal article – Annual report year: 2018

How old are you—Evaluation of age reading methods for the invasive round goby (Neogobius melanostomus, Pallas 1814)
Research output: Research - peer-review › Journal article – Annual report year: 2018

Characterising and predicting the distribution of Baltic Sea flounder during the spawning season
Research output: Research › Conference abstract for conference – Annual report year: 2017

Characterizing and predicting the distribution of Baltic Sea flounder (Platichthys flesus) during the spawning season
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

Faster or slower: Has growth of juvenile eastern Baltic cod changed?
Research output: Research › Conference abstract for conference – Annual report year: 2017

Spatio-temporal dynamics of cod nursery areas in the Baltic Sea
Research output: Research - peer-review › Journal article – Annual report year: 2017

Using genetics to identify management units of European flounder in the Baltic Sea
Research output: Research › Conference abstract for conference – Annual report year: 2017

1.500 mærkede torsk skal give bedre bestandsvurdering
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2016
Baltic cod recruitment – the impact of changing environmental conditions
Research output: Research › Paper – Annual report year: 2016

Challenging ICES age estimation protocols: lessons learned from the eastern Baltic cod stock
Research output: Research › peer-review › Journal article – Annual report year: 2016

Connectivity of larval cod in the transition area between North Sea and Baltic Sea and potential implications for fisheries management
Research output: Research › peer-review › Journal article – Annual report year: 2016

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

Evaluation of otolith shape as a tool for stock discrimination in marine fishes using Baltic Sea cod as a case study
Research output: Research › peer-review › Journal article – Annual report year: 2015

Fiskere kan være med til at aldersbestemme torsk
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2016

Slave to the rhythm: Can seasonal signals in otolith microchemistry be used as a tool for age estimation?
Research output: Research › Conference abstract for conference – Annual report year: 2017

Slave to the rhythm: seasonal signals in otolith microchemistry reveal age of eastern Baltic cod (Gadus morhua)
Research output: Research › peer-review › Journal article – Annual report year: 2015

Spatio-temporal trends in stock mixing of eastern and western Baltic cod in the Arkona Basin and the implications for recruitment
Research output: Research › peer-review › Journal article – Annual report year: 2015

Spawning areas of eastern Baltic cod revisited: Using hydrodynamic modelling to reveal spawning habitat suitability, egg survival probability, and connectivity patterns
Research output: Research › peer-review › Journal article – Annual report year: 2016

The influence of feeding behaviour on growth of Atlantic cod (Gadus morhua, Linnaeus, 1758) in the North Sea
Research output: Research › peer-review › Journal article – Annual report year: 2016

Variability and connectivity of plaice populations from the Eastern North Sea to the Baltic Sea, part II. Biological evidence of population mixing
Research output: Research › peer-review › Journal article – Annual report year: 2016

Connectivity, growth and survival in a spatially structured fish population, which is currently managed as seven separate stock units
Research output: Research › Poster – Annual report year: 2015

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

From genes to ecosystems: spatial heterogeneity and temporal dynamics of the Baltic Sea
Research output: Research › Paper – Annual report year: 2015
Invasion rate and population characteristics of the invasive round goby Neogobius melanostomus: effects of density and invasion history
Research output: Research - peer-review › Journal article – Annual report year: 2015

Korttidsprognoser for kortlivede industrifisk under MSY – forvaltning af tobis i Nordsøen
Research output: Research › Report – Annual report year: 2015

Managing population mixing; genetics supported stock splitting in Atlantic cod
Research output: Research › Conference abstract for conference – Annual report year: 2015

MSC certification of plaice fisheries in area IIIa: Basic investigations and development of a management plan
Research output: Research › Report – Annual report year: 2015

Optimal bæredygtig udnyttelse af tilgængelige tørskebestande for dansk fiskeri
Research output: Research › Report – Annual report year: 2015

Oxygen minimum zone induced rapid temporal fluctuations of Eastern Baltic cod genetic diversity
Research output: Research › Conference abstract for conference – Annual report year: 2015

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

Stock mixing of eastern and western Baltic cod in SD 24
Research output: Research › Conference abstract for conference – Annual report year: 2015

Examining the interactions of growth, climate and recruitment of boarfish (Capros aper) for a better understanding of the recent population expansion
Research output: Research › Conference abstract for conference – Annual report year: 2014

Implications of stock recovery for a neighbouring management unit: experience from the Baltic cod
Research output: Research - peer-review › Journal article – Annual report year: 2014

Otolith microchemistry: A useful tool for age validation?
Research output: Research › Conference abstract for conference – Annual report year: 2014

Report of the Sprat Exchange 2014 For the North Sea and Celtic Sea
Research output: Research › Report – Annual report year: 2015

The Baltic cod: A case study for testing stock discrimination based on otolith shape analysis in a mixed stock fishery
Research output: Research › Conference abstract for conference – Annual report year: 2014

The recent population expansion of boarfish, Capros aper (Linnaeus, 1758): Interactions of climate, growth and recruitment
Research output: Research - peer-review › Journal article – Annual report year: 2014

A reliable method for ageing of whiting (Merlangius merlangus) for use in stock assessment and management
Research output: Research - peer-review › Journal article – Annual report year: 2013

Cod recovery as a new challenge for fisheries management: experience from the Baltic Sea
Research output: Research › Conference abstract for conference – Annual report year: 2013
Improved management based on stock identification of eastern and western Baltic cod
Research output: Research › Report – Annual report year: 2013

Individual behaviour of Baltic cod (Gadus morhua) in relation to sex and reproductive state
Research output: Research - peer-review › Journal article – Annual report year: 2013

Spawning migration and behavior of Baltic cod (Gadus morhua) based on DST-derived individual information
Research output: Research › Poster – Annual report year: 2013

Boom in boarfish abundance: insight from otolith analysis
Research output: Research › Conference abstract for conference – Annual report year: 2012

Hydrographic Influence on the spawning habitat suitability of western Baltic cod (Gadus morhua)
Research output: Research - peer-review › Journal article – Annual report year: 2012

Oocyte development and maturity classification of boarfish (Capros aper) in the Northeast Atlantic
Research output: Research - peer-review › Journal article – Annual report year: 2012

Optimization of fisheries resource exploitation in the Skagerrak (Oskar)
Research output: Research › Report – Annual report year: 2012

Otolith microstructure analysis to resolve seasonal patterns of hatching and settlement in western Baltic cod
Research output: Research - peer-review › Journal article – Annual report year: 2012

Sexual dimorphism in size, age, maturation, and growth characteristics of boarfish (Capros aper) in the Northeast Atlantic
Research output: Research - peer-review › Journal article – Annual report year: 2012

Spatio-temporal variability in western Baltic cod early life stage survival mediated by egg buoyancy, hydrography and hydrodynamics
Research output: Research - peer-review › Journal article – Annual report year: 2012

Suitability of otolith microchemistry for stock separation of Baltic cod
Research output: Research - peer-review › Journal article – Annual report year: 2012

10.000 kr. i dusør for mærkede torsk i Østersøen
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2011

Age verification of boarfish (Capros aper) in the Northeast Atlantic
Research output: Research - peer-review › Journal article – Annual report year: 2011

Review of western Baltic cod (Gadus morhua) recruitment dynamics
Research output: Research - peer-review › Journal article – Annual report year: 2011

The impact of hydrodynamics and hydrography on western Baltic cod early life stage survival
Research output: Research › Paper – Annual report year: 2011

Does DNA extraction affect the physical and chemical composition of historical cod (Gadus morhua) otoliths?
Research output: Research - peer-review › Journal article – Annual report year: 2010

Thermal niche of Atlantic cod Gadus morhua: limits, tolerance and optima
Research output: Research - peer-review › Journal article – Annual report year: 2010
The use of otolith microstructure to estimate age in adult Atlantic cod Gadus morhua
Research output: Research - peer-review › Journal article – Annual report year: 2010

Why is age determination of Baltic cod (Gadus morhua) so difficult?
Research output: Research - peer-review › Journal article – Annual report year: 2010

Automated Fish Ageing (AFISA)
Research output: Research › Report – Annual report year: 2009

Cod spatial dynamics and vertical movements in European waters and implications for fishery management (CODYSSEY)
Research output: Research › Report – Annual report year: 2009

ImproveD mEthodology for Baltic COD age Estimation (DECODE)
Research output: Research › Report – Annual report year: 2009

Using data storage tags to link otolith macrostructure in Baltic cod Gadus morhua with environmental conditions
Research output: Research › Journal article – Annual report year: 2009

Using otolith microstructure to infer age of adult Eastern Baltic cod (Gadus morhua L.)
Research output: Research › Conference abstract for conference – Annual report year: 2009

Otolith accretion rates: Does size really matter?
Research output: Research - peer-review › Journal article – Annual report year: 2008

Otolith shape in juvenile cod (Gadus morhua): Ontogenetic and environmental effects
Research output: Research - peer-review › Journal article – Annual report year: 2008

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

Atlantic cod (Gadus morhua) growth and otolith accretion characteristics modelled in a bioenergetics context
Research output: Research - peer-review › Journal article – Annual report year: 2004

Effect of age and temperature on amino acid composition and the content of different protein types of juvenile cod (Gadus morhua L.) otoliths
Research output: Research - peer-review › Journal article – Annual report year: 2004

Factors determining variations in otolith microincrement width of demersal juvenile Baltic cod Gadus morhua
Research output: Research - peer-review › Journal article – Annual report year: 2003

Using otolith microstructure to analyse growth of juvenile Baltic cod Gadus morhua
Research output: Research - peer-review › Journal article – Annual report year: 2003

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

Backcalculating Baltic cod size at age from otolith measurements
Research output: Research › Conference article – Annual report year: 1997
Food resource utilization by juvenile Baltic cod Gadus morhua: a mechanism potentially influencing recruitment success at the demersal juvenile stage
Research output: Research - peer-review › Journal article – Annual report year: 1997

Otolith micro-structure pattern as an indicator of environmental and fish condition of Baltic cod at settling
Research output: Research › Conference article – Annual report year: 1995

Preliminary observations of a size at settling and food resource utilization of juvenile (O-group) Baltic cod (Gadus morhua)
Research output: Research › Conference article – Annual report year: 1995

Projects:

Validating age-determination of anglerfish and hake: an exploratory investigation using microchemistry analysis
Project: Research

Stock assessment and management of sole fishery
Project: Research

Capelin Migration and Stock Structure using Otolith Microchemistry
Project: PhD

Tagging Baltic cod (TABACOD)
Project: Research

Sustainable management of Kattegat cod; Improved knowledge about stock components and migration
Project: Research

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK)
Project: Research

Integrating spatial processes into ecosystem models for sustainable utilization of fish resources (INSPIRE)
Project: Research

A systems approach framework for coastal research and management in the Baltic (BaltCoast)
Project: Research

MSC certification of the plaice fishery in area IIIa – basic investigations and development of a management model
Project: Research

The Mysterious Lumpfish (Cyclopterus lumpus)
Project: Research

Eastern-western Baltic cod: Improved management based on stock discrimination of eastern and western Baltic cod (Øst-Vesttorsk)
Project: Research

Fehmarn Belt science provision project: Fehmarn Belt fish and fisheries and related environmental investigations
Project: Research

Automated fish ageing (AFISA)
Project: Research
Improved methodology for cod age estimation (DECODE) (38120)
Project: Research

Geographical distribution of fish resources and optimizing of fishery practice in the north-eastern North Sea (RESOURCE) (38878)
Project: Research

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

Activities:

ICES - Benchmark Workshop on Baltic Cod Stocks - WKBALTCOD (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Herring Assessment Working Group for the Area South of 62ºN - HAWG (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - The Workshop on Scoping for Integrated Baltic Cod Assessment - WKSIBCA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on Recruitment Forecasting in a Variable Environment - WGRFE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on age validation studies of Gadoids - WKAVSG (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Stock Identification Methods Working Group - SIMWG (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar