Research outputs:

**A stochastic surplus production model in continuous time**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Effectiveness of fully documented fisheries to estimate discards in a participatory research scheme**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**glmmTMB balances speed and flexibility among packages for Zero-inflated Generalized Linear Mixed Modeling**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Validation of ecological state space models using the Laplace approximation**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Accounting for correlated observations in an age-based state-space stock assessment model**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Explaining the catch efficiency of different cod pots using underwater video to observe cod entry and exit behaviour**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Identification of high-risk areas for harbour porpoise Phocoena phocoena bycatch using remote electronic monitoring and satellite telemetry data**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Influence of twin and multi-rig trawl systems on CPUE in the Danish Norway lobster (Nephrops norvegicus) fishery**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**TMB: Automatic differentiation and laplace approximation**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**Validation of state-space models using Template Model Builder**
Research output: Research › Conference abstract for conference – Annual report year: 2016

**Accounting for correlated observations in an age-based state-space stock assessment model**
Research output: Research › Conference abstract for conference – Annual report year: 2015

**Long-term effects of an offshore wind farm in the North Sea on fish communities**
Research output: Research - peer-review › Journal article – Annual report year: 2015
Optimal bæredygtig udnyttelse af tilgængelige torskebestande for dansk fiskeri
Research output: Research › Report – Annual report year: 2015

Robust statistical method in a single species age-structured state-space assessment model
Research output: Research › Conference abstract for conference – Annual report year: 2015

Sustainable development of the Nephrops fishery in the Kattegat-Skagerrak region
Research output: Research › Report – Annual report year: 2015

Estimation of time-varying selectivity in stock assessments using state-space models
Research output: Research - peer-review › Journal article – Annual report year: 2014

Evaluation of alternative age-based methods for estimating relative abundance from survey data in relation to assessment models
Research output: Research - peer-review › Journal article – Annual report year: 2013

Havvindmølleparker og deres indflydelse på fisk - et casestudy fra Horns Rev havvindmøllepark
Research output: Research › Conference abstract for conference – Annual report year: 2013

Statistical aspects of fish stock assessment
Research output: Research › Ph.D. thesis – Annual report year: 2014

Strategies for fitting nonlinear ecological models in R, AD Model Builder, and BUGS
Research output: Research › peer-review › Journal article – Annual report year: 2014

Modelling the mixing of herring stocks between the Baltic and the North Sea from otolith data
Research output: Research › Paper – Annual report year: 2012

Offshore windfarms and their impact on fish abundance and community structure
Research output: Research › Paper – Annual report year: 2012

Spatial age-length key modelling using continuation ratio logits
Research output: Research › peer-review › Journal article – Annual report year: 2012

The Gordian knot: managing herring (Clupea harengus) bridging across populations, fishery units, management areas, and politics
Research output: Research › Conference abstract for conference – Annual report year: 2012

Effect of the Horns Rev 1 Offshore Wind Farm on Fish Communities. Follow-up Seven Years after Construction: Follow-up Seven Years after Construction
Research output: Commissioned › Report – Annual report year: 2012

Estimation methods for nonlinear state-space models in ecology
Research output: Research › peer-review › Journal article – Annual report year: 2011

Estimation of feeding patterns for piscivorous fish using individual prey data from stomach contents
Research output: Research › peer-review › Journal article – Annual report year: 2011

Size-based assessment of ecosystem effects of fishery management decisions
Research output: Research › Poster – Annual report year: 2010
Online bestandsvurdering af torsk i Nordsøen
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2009

Projects:

Seal-safe fishing (39421)
Project: Research

PhD Scholarship in Fish Stock Assessment and Population Dynamics Modelling
Project: PhD

Statistisk modellering af marine økosystemer
Project: PhD

Tagging Baltic cod (TABACOD) (39333)
Project: Research

Eastern Baltic cod - New knowledge of growth and mortality is the way to improved management advice (39366)
Project: Research

Forward management of sandeel in the North Sea (39316)
Project: Research

Assessment and management of linked stocks (39325)
Project: Research

Improvement of the foundation for stock assessment for data limited stocks with importance for Danish fishery (39310)
Project: Research

Tender for scientific support to the Saudi Arabian fisheries sector (SaudiTender I) (39153)
Project: Research

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK) (39147)
Project: Research

Development of a by-catch excluder for the Danish and European trawl fisheries (39265)
Project: Research

Bridging the gap between science, stakeholders and policy makers (GAP 1 & GAP 2) (38133 & 38860)
Project: Research

Spatially-explicit management methods for North Sea cod – a Danish fishermen-science collaboration (REX, REX II, REX III) (38430, 38431, 38541)
Project: Research

Activities:

ICES - Benchmark Workshop for North Sea Stocks - WKNSEA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
ICES - Working Group on Improving use of Survey Data for Assessment and Advice - WGISDAA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Data Compilation for Benchmark Workshop on North Sea stocks - DCWKNSEA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on Improving use of Survey Data for Assessment and Advice - WGISDAA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Integrated DATRAS Products - WKIDP (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar