J. Rasmus Nielsen - DTU Orbit (15/01/2018)

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National Institute of Aquatic Resources - Professor
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Publications:

Integrated ecological-economic fisheries models - evaluation, review and challenges for implementation
Publication: Research - peer-review > Journal article – Annual report year: 2018

Effects of changes in stock productivity and mixing on sustainable fishing and economic viability
Publication: Research - peer-review > Journal article – Annual report year: 2016

Fisheries Impact Evaluation Tool (FIT) with Application to Assess the Bottom Fishing Footprint in Western Baltic Sea (ICES Subdivisions 22-24)
Publication: Research - peer-review > Report – Annual report year: 2017

Improving fisheries science with high resolution commercial fishery data
Publication: Research › Conference abstract for conference – Annual report year: 2017

Integration of fisheries into marine spatial planning: Quo vadis?
Publication: Research - peer-review > Journal article – Annual report year: 2017

New policies may call for new approaches: the case of the Swedish Norway lobster (Nephrops norvegicus) fisheries in the Kattegat and Skagerrak
Publication: Research - peer-review > Journal article – Annual report year: 2016

Spatial planning for aquaculture: the Georeferenced Interactions Database (GRID)
Publication: Research > Poster – Annual report year: 2017

Spatial planning for fisheries in the Northern Adriatic: working toward viable and sustainable fishing
Publication: Research - peer-review > Journal article – Annual report year: 2017
The footprint of bottom trawling in European waters: distribution, intensity, and seabed integrity
Publication: Research - peer-review › Journal article – Annual report year: 2017

A comparative review of fisheries management experiences in the European Union and in other countries worldwide: Iceland, Australia, and New Zealand
Publication: Research - peer-review › Journal article – Annual report year: 2016

Estimating seabed pressure from demersal trawls, seine, and dredges based on gear design and dimensions
Publication: Research - peer-review › Journal article – Annual report year: 2015

Fishing impact and environmental status in European seas: A diagnosis from stock assessments and ecosystem indicators
Publication: Research - peer-review › Journal article – Annual report year: 2014

Species interactions in the western Baltic Sea: With focus on the ecological role of whiting
Publication: Research › Ph.D. thesis – Annual report year: 2016

The diet of whiting Merlangius merlangus in the western Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2016

Towards a framework for the quantitative assessment of trawling impact on the seabed and benthic ecosystem
Publication: Research - peer-review › Journal article – Annual report year: 2015

An integrated end-to-end modeling framework for testing ecosystem-wide effects of human-induced pressures in the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2015

Causes and consequences of technical, biological and spatial interactions in fisheries management modelled from the individual distribution of fishing effort
Bastardie, F., Nielsen, J. R. & Vinther, M. 2015
Publication: Research › Paper – Annual report year: 2015

Competition for marine space: modelling the Baltic Sea fisheries and effort displacement under spatial restrictions
Publication: Research - peer-review › Journal article – Annual report year: 2014
Detecting ecological-economic effects of marine spatial plans from displacing the bottom fishing pressure
Publication: Research › Paper – Annual report year: 2015

Effects of recent changes in stock conditions and mixing on sustainability and economic viability of the fishery – The Danish fisheries for Baltic cod
Bastardie, F., Nielsen, J. R., Rindorf, A. & Eero, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Evaluation of integrated ecological-economic models – Review and challenges for implementation
Publication: Research › Conference abstract for conference – Annual report year: 2015

Impacts of the local environment on recruitment – a comparative study of North Sea and Baltic Sea fish stocks
Pécuchet, L., Nielsen, J. R. & Christensen, A. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Impacts of the local environment on recruitment: a comparative study of North Sea and Baltic Sea fish stocks
Publication: Research - peer-review › Journal article – Annual report year: 2015

Integration of fisheries in marine spatial planning: Quo vadis?
Publication: Research › Conference abstract for conference – Annual report year: 2015

Management of fishery: Importance of fish food web dynamics in coupling of multispecies and bio-economic fisheries management evaluation models
Ross, S. D., Nielsen, J. R., Gislason, H., Andersen, N. G., Vinther, M. & Bastardie, F. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Methods for integrated use of fisheries research survey information in understanding marine fish population ecology and better management advice: Improving methods for evaluation of research survey information under consideration of survey fish detection and catch efficiency
Publication: Research › Ph.D. thesis – Annual report year: 2015

New policies may call for new approaches: the case of Swedish Norway lobster (Nephrops norvegicus) fisheries in the Kattegat and Skagerrak
Publication: Research › Poster – Annual report year: 2015

New policies will require new approaches: the case of the Swedish Norway Lobster (Nephrops norvegicus) fisheries in the Kattegat and Skagerrak
Publication: Research › Poster – Annual report year: 2015
Social, economic, and ecological impact assessment across marine sectors?
Nielsen, J. R., Schmidt, J., Thunberg, E. & Holland, D. 2015
Publication: Research › Paper – Annual report year: 2015

Sustainability, fuel use, and profitability: interlinked consequences of stock dynamics and choices of individual vessel spatial effort allocation within the Western Baltic
Publication: Research › Conference abstract for conference – Annual report year: 2015

Sustainable development of the Nephrops fishery in the Kattegat-Skagerrak region
Publication: Research › Report – 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 statistical model for estimation of fish density including correlation in size, space, time and between species from research survey data
Nielsen, J. R., Kristensen, K., Lewy, P. & Bastardie, F. 2014 In : P L o S One. 9, 6, e99151
Publication: Research - peer-review › Journal article – Annual report year: 2014

DISPLACE: a dynamic, individual-based model for spatial fishing planning and effort displacement - integrating underlying fish population models
Bastardie, F., Nielsen, J. R. & Miethe, T. 2014 In : Canadian Journal of Fisheries and Aquatic Sciences. 71, 3, p. 366-386
Publication: Research - peer-review › Journal article – Annual report year: 2013

Evaluation of integrated ecological-economic models - What are they used for?
Publication: Research › Conference abstract for conference – Annual report year: 2014

High-resolution mapping of European fishing pressure on the benthic habitats
Publication: Research › Conference abstract for conference – Annual report year: 2014

How does prey quality affect life-history traits under different temperature regimes?
Publication: Research › Conference abstract for conference – Annual report year: 2014

How spatial planning constrains cross-border fisheries: the bio-economic DISPLACE evaluation on the Baltic Sea
Bastardie, F. & Nielsen, J. R. 2014
Publication: Research › Paper – Annual report year: 2014

Impact assessment of a fisheries closure with effort and landings spatial analyses: A case study in the Western Baltic Sea
Importance of food web dynamics in coupling of multispecies models and bio-economic fisheries management evaluation models
Ross, S. D., Nielsen, J. R., Gislason, H., Andersen, N. G., Vinther, M. & Bastardie, F. 2014
Publication: Research › Poster – Annual report year: 2014

Incorporating the Benthic Ecosystem in Fisheries Management; BENTHIS a European FP7-project
Publication: Research › Poster – Annual report year: 2014

Supporting bio-economic evaluation of spatial planning constraining fishing activities: be quantitative, spatially-explicit, vessel-oriented, stochastic, and dynamically coupled to fish populations
Bastardie, F., Nielsen, J. R., Eigaard, O. R., Fock, O., Jonsson, P. & Bartolino, V. 2014
Publication: Research › Conference abstract for conference – 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

Critical report of current fisheries management measures implemented for the North Sea mixed demersal fisheries
Publication: Research › Report – Annual report year: 2013

Does whiting play a central role in the food web of the western Baltic Sea?
Ross, S. D., Nielsen, J. R., Gislason, H. & Andersen, N. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Eutrophication and fish production; A challenge for science and management in coastal systems
Markager, S., Lyngsgaard, M. M., Nielsen, J. R. & Richardson, K. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Evaluations of management strategies for Norway pout in the North Sea and Skagerrak
Vinther, M. & Nielsen, J. R. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Fisk, fiskeri, fiskeriforvaltning og udnyttelse af marine ressourcer
Nielsen, J. R. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

How important is whiting in the western Baltic Sea ecosystem?
Ross, S. D., Nielsen, J. R., Gislason, H. & Andersen, N. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Improved management based on stock identification of eastern and western Baltic cod
Publication: Research › Report – Annual report year: 2013

Integrating individual trip planning in energy efficiency – Building decision tree models for Danish fisheries
Bastardie, F., Nielsen, J. R., Andersen, B. S. & Eigaard, O. R. 2013 In: Fisheries Research. 143, p. 119-130
Publication: Research › Journal article – Annual report year: 2013
Localisation of nursery areas based on comparative analyses of the horizontal and vertical distribution patterns of juvenile Baltic cod (Gadus morhua)

Nielsen, J. R., Lundgren, B., Kristensen, K. & Bastardie, F. 2013 In : P L o S One. 8, 8, p. e70668

Publication: Research - peer-review › Journal article – Annual report year: 2013

A review of EU bio-economic models for fisheries: The value of a diversity of models


Publication: Research - peer-review › Journal article – Annual report year: 2011

Baltic Sea


Publication: Research › Report chapter – Annual report year: 2012

Challenges and opportunities for fleet- and métier-based approaches for fisheries management under the European Common Fishery Policy


Publication: Research - peer-review › Journal article – Annual report year: 2012

Coupled economic – ecological models for ecosystem-based management (EBFM)

Nielsen, J. R., Schmidt, J., Thunberg, E. & Bastardie, F. 2012

Publication: Research › Conference abstract for conference – Annual report year: 2012

Coupled economic-ecological models for ecosystem-based fishery management: Exploration of trade-offs between model complexity and management needs


Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2012

DISPLACE: a dynamic, individual-based model for spatial fishing planning and effort displacement: Integrating underlying fish population models

Bastardie, F., Nielsen, J. R. & Miethe, T. 2012

Publication: Research › Conference abstract for conference – Annual report year: 2012

Do Norway pout (Trisopterus esmarkii) die from spawning stress?: Mortality of Norway pout in relation to growth, maturity and density in the North Sea, Skagerrak and Kattegat


Publication: Research - peer-review › Journal article – Annual report year: 2012

Ecological – economic modelling: Introduction and presentation to World Fisheries Conference (WFC)

Schmidt, J. & Nielsen, J. R. 2012

Publication: Research › Conference abstract for conference – Annual report year: 2012

Evaluations of Management strategies for Norway pout in the North Sea and Skagerrak Report (NOP-MSE)


Publication: Research › Report – Annual report year: 2012
Impact assessment (IA) of alternative HCRs to the current multiannual Baltic Sea plan on the bio-economy of fleets – coupling the SMS model to the FLR Baltic model
Publication: Research - peer-review › Report chapter – Annual report year: 2012

North Sea
Publication: Research › Report chapter – Annual report year: 2012

Publication: Research › Report – Annual report year: 2012

Transforming knowledge into quantitative modelling: Danish fishers respond to a web-based survey on dynamics in fuel consumption and fishing patterns
Bastardie, F., Nielsen, J. R., Andersen, B. S. & Eigaard, O. R. 2012
Publication: Research › Conference abstract for conference – Annual report year: 2012

Use of high resolution spatial analysis of effort and landings for supplementing impact assessment on Western Baltic fisheries
Miethe, T., Bastardie, F., von Dorrien, C. & Nielsen, J. R. 2012
Publication: Research › Poster – Annual report year: 2012

Evaluation of effort and TAC quota uptake and capacity use by country as well as efficiency of effort measures according to fishing mortality and fishing power in the Western and Eastern Baltic cod fishery during 2005-2010 in relation to the multi-annual cod management plan
Publication: Research › Article in proceedings – Annual report year: 2011

Influence of grid orientation and time of day on grid sorting in a small-meshed trawl fishery for Norway pout (Trisopterus esmarkii)
Eigaard, O. R., Herrmann, B. & Nielsen, J. R. 2011 In : Aquatic Living Resources. 25, p. 15-26
Publication: Research - peer-review › Journal article – Annual report year: 2011

Stock-based and fleet-based evaluation of the multi-annual management plan for the cod stocks in the Baltic Sea with respect to cod stock mixing and TAC vs. effort regulation under different constraints and stock conditions
Publication: Research › Article in proceedings – Annual report year: 2011

A statistical discrimination method using sagittal otolith dimensions between sibling species of juvenile cod Gadus morhua and Gadus ogac from the North-West Atlantic
Nielsen, J. R., Methven, D. A. & Kristensen, K. 2010 In : Journal of Northwest Atlantic Fishery Science. 43, p. 27-45
Publication: Research - peer-review › Journal article – Annual report year: 2010

Comparative evaluation of a mixed-fisheries effort-management system based on the Faroe Islands example
Publication: Research - peer-review › Journal article – Annual report year: 2010
Detailed mapping of fishing effort and landings by coupling fishing logbooks with satellite-recorded vessel geo-localisation
Bastardie, F., Nielsen, J. R., Ulrich, C., Egekvist, J. & Degel, H. 2010
Publication: Research › Poster – Annual report year: 2010

Effect of fishing effort allocation scenarios on energy efficiency and profitability: An individual based model applied to Danish fisheries
Bastardie, F., Nielsen, J. R., Andersen, B. S. & Eigaard, O. R. 2010
Publication: Research › Conference abstract for conference – Annual report year: 2010

Effect of fishing effort displacement scenarios on energy efficiency: an individual based model applied to the Danish fisheries
Bastardie, F., Nielsen, J. R., Andersen, B. S. & Eigaard, O. R. 2010
Publication: Research › Poster – Annual report year: 2010

Effect of fishing effort allocation scenarios on energy efficiency and profitability: an individual-based model applied to Danish fisheries
Publication: Research - peer-review › Journal article – Annual report year: 2010

Existing bio-economic models review
Publication: Research › Article in proceedings – Annual report year: 2010

Existing bioeconomic models review
Publication: Research › Article in proceedings – Annual report year: 2010

Publication: Research › Report – Annual report year: 2010

Stock-based vs. fleet-based evaluation of the multi-annual management plan for the cod stocks in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2010

The eastern Baltic cod fishery: a fleet-based management strategy evaluation framework to assess the cod recovery plan of 2008
Bastardie, F., Nielsen, J. R. & Kraus, G. 2010 In : ICES Journal of Marine Science. 67, 1, p. 71-86
Publication: Research - peer-review › Journal article – Annual report year: 2010

Bio-economic evaluation of implementing trawl fishing gear with different selectivity
Publication: Research - peer-review › Journal article – Annual report year: 2009
By-catch reduction in a small meshed North sea trawl fishery through gear developments
Publication: Research › Article in proceedings – Annual report year: 2009

Evaluating biological robustness of innovative management alternatives
Publication: Research - peer-review › Book chapter – Annual report year: 2009

Evaluation of the multiannual plan for the cod stocks in the Baltic Sea
Publication: Research › Conference abstract in proceedings – Annual report year: 2010

Managing fleets and fisheries
Nielsen, J. R. & Limborg, M. 2009 In : World Fishing. 58, 1, p. 8-9
Publication: Research › Journal article – Annual report year: 2009

Managing fleets and fisheries rather than single stocks – conceptual change in European fisheries management advice
Publication: Research › Journal article – Annual report year: 2009

Maturity and growth population dynamics of Norway pout (Trisopterus esmarkii) in the North Sea, Skagerrak, and Kattegat
Publication: Research - peer-review › Journal article – Annual report year: 2009

Potentials and challenges in fleet- and métierbased approaches for fisheries management in the CFP
Publication: Research › Article in proceedings – Annual report year: 2009

Survey of existing bioeconomic models. Final Consolidated EU Report
Publication: Research › Report – Annual report year: 2009

A method for the possible species discrimination of juvenile gadoids by broad-bandwidth backscattering spectra vs. angle of incidence
Publication: Research - peer-review › Journal article – Annual report year: 2008

EFIMAS. Managing fisheries in a virtual environment in order to provide more reliable scientific advice to stakeholders
Publication: Research › Article in proceedings – Annual report year: 2008

Final Consolidated EFIMAS Project Report (Month 48). Final Report of SSP8-CT-2003-502516 EFIMAS Project covering and summarising 20 special subject and task final reports under the project. Final Report to the EU Commission
Nielsen, J. R. 2008 112 p.
Publication: Research › Report – Annual report year: 2009

Implementation of more selective and sustainable fisheries (IMPSEL)
Implementering af mere selektive og skånsomme fiskerier: Begreber og internationale erfaringer

Implementering af mere selektive og skånsomme fiskerier (IMPSEL)

Implementering af mere selektive og skånsomme fiskerier: Konklusioner, anbefalinger og perspektivering

Observed reactions of fish in captivity to replayed vessel-noise sounds from the fisheries research vessel Dana

Et flerårigt grundlag for dansk industfiskeri: Biologisk vurdering af ressourcegrundlaget og analyse af forvaltningsmodeller

Implementering af mere selektive og skånsomme fiskerier: Konsekvenser for ressource, fiskere og samfund

Report of the Ad Hoc Group on Real Time Management and Harvest Control Rules for Norway Pout in the North Sea and Skagerak (AGNOP)

Sttutrapport TEMAS (Technical measures - development of evaluation model and application in danish fisheries)

TEMAS: fleet-based bio-economic simulation software to evaluate management strategies accounting for fleet behaviour

Ecological side-effects of fishing from the fisheries management perspective
Survey gear calibration independent of spatial fish distribution
Lewy, P., Nielsen, J. R. & Hovgård, H. 2004 In : Canadian Journal of Fisheries and Aquatic Sciences. 61, 4, p. 636-647
Publication: Research - peer-review › Journal article – Annual report year: 2004

A bootstrapping method to evaluate research vessel survey indices for XSA-tuning, applied to western Baltic cod
Publication: Research › Conference article – Annual report year: 2003

Vertical migration and dispersion of sprat (Sprattus sprattus) and herring (Clupea harengus) schools at dusk in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2003

Evaluation of research surveys in relation to management advice (EVARES - FISH/2001/02): Final report to European Commission Director - General Fisheries
Publication: Research › Report – Annual report year: 2003

Experiments for possible hydroacoustic discrimination of free-swimming juvenile gadoid fish by analysis of broadband pulse spectra as well as 3D fish position form video images and split beam acoustics
Lundgren, B. & Nielsen, J. R. 2002 In : Bioacoustics. 12, 2-3, p. 297-299
Publication: Research - peer-review › Journal article – Annual report year: 2002

Non-predation natural mortality of Norway pout (Trisopterus esmarkii) in the North Sea
Publication: Research - peer-review › Journal article – Annual report year: 2002

Results of bottom trawl surveys carried out in Vietnamese waters (20-200 m) in 1996-1997
Daug, V. T., Tran, D., Nielsen, J. R. & Riget, F. 2002 In : Naga. 25, 1, p. 15-18
Publication: Research - peer-review › Journal article – Annual report year: 2002

Verification of multispecies interactions in the North Sea by trawl survey data on Norway pout (Trisopterus esmarkii)
Publication: Research - peer-review › Journal article – Annual report year: 2002

Distribution, density and abundance of the western Baltic herring (Clupea harengus) in the Sound (ICES Subdivision 23) in relation to hydrographical features
Publication: Research - peer-review › Journal article – Annual report year: 2001

Estimation of 3D position, angle of attitude and orientation of free-swimming fish in a hydroacoustic beam field under variable lightning conditions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Feeding habits and density patterns of Greenland cod, Gadus ogac (Richarson 1836) at West Greenland compared to those of the coexisting Atlantic cod, Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2001

Final and consolidated Report of the EU Study Projekt No. 98/099 ISDBITS: Improvement of stock assessment and data collection by continuation, standardisation and design Improvement of the Baltic International Bottom Trawl Surveys for fishery resources management
Herring occurrence in the Sound (ICES SD23) in relation to hydrographical features
Publication: Research › peer-review › Article in proceedings – Annual report year: 2001

Non-predation natural mortality of Norway pout in the North Sea
Publication: Research › Conference article – Annual report year: 2001

Time changes in fishing power in the Danish cod fisheries of the Baltic Sea
Publication: Research › Journal article – Annual report year: 2001

Torskebestande i Østersøen har fået en standard
Nielsen, J. R. 2001 In : *externtForum*. 18
Publication: Research › Journal article – Annual report year: 2001

Verification of multispecies interactions in the North Sea by trawl data on Norway pout (*Trisopterus esmarki*)
Publication: Research › Conference article – Annual report year: 2000

An Atlantic herring (*Clupea harengus*) size selection model for experimental gill nets used in the Sound (ICES Subdivision 23)
Publication: Research › peer-review › Journal article – Annual report year: 2000

An experimental set-up for hydroacoustic discrimination of fish species by analysis of broadband pulse spectra combined with image processing
Lundgren, B. & Nielsen, J. R. 2000
Publication: Research › Poster – Annual report year: 2000

An experimental set-up for possible hydro-acoustic discrimination of fish species by analysis of broadband pulse spectra combined with image processing
Publication: Research › Article in proceedings – Annual report year: 2000

An experimental set-up for possible hydroacoustic discrimination of fish species by analysis of broadband pulse spectra combined with image processing
Publication: Research › Report – Annual report year: 2000

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

Indsatssforvaltning med henblik på anvendelse i dansk fiskeri
Publication: Research › Report – Annual report year: 2000
Spatial distribution and maturity of Norway pout in the North Sea
Publication: Research › Article in proceedings – Annual report year: 2000

Standardisering og beskrivelse af sammenhængen imellem fiskeriindsats og fiskeridødelighed for de danske demersale fiskeri i Kattegat
Publication: Research › Report – Annual report year: 2000

Standardisering og beskrivelse af sammenhængen imellem fiskeriindsats og fiskeridødelighed for det danske industrifiskeri i Nordsøen og Skagerrak
Publication: Research › Report – Annual report year: 2000

Standardisering og beskrivelse af sammenhængen imellem fiskeriindsats og fiskeridødelighed for det danske torskefiskeri i Østersøen
Nielsen, J. R. 2000 Hirtshals: Danmarks Fiskeriundersøgelser. 36 p. (DFU-rapport; No. 84-00).
Publication: Research › Report – Annual report year: 2000

Publication: Research › Report – Annual report year: 1999

A herring size selection model for experimental gillnets used in the Sound (ICES Subdivision 23)
Publication: Research › Article in proceedings – Annual report year: 1999

A longitudinal study of the selectivity parameters estimated from experimental gillnet catch data for herring (Clupea harengus)
Publication: Research › Article in proceedings – Annual report year: 1999

Hydroacoustic ex situ target strength measurements on juvenile cod (Gadus morhua L.)
Nielsen, J. R. & Lundgren, B. 1999 In : ICES Journal of Marine Science. 56, 5, p. 627-639
Publication: Research - peer-review › Journal article – Annual report year: 1999

Results of stratified random bottom trawl surveys carried out in Vietnamese waters (20-200 m) in 1996-1997
Publication: Research › Article in proceedings – Annual report year: 1999

Time changes in fishing power in Baltic Sea cod fisheries
Publication: Research › Article in proceedings – Annual report year: 1999
A herring size selection model for experimental gillnets used in the Sound (ICES Sub-division 23)
Publication: Research › Conference article – Annual report year: 1998

Assessment of the Living Marine Resources in Vietnam, ALMRV Phase I, Final Summary Report
Publication: Research › Report – Annual report year: 1998

Distribution, abundance and stock composition of herring (Clupea harengus) in the Sound (ICES subdivision 23) during the autumn, winter and spring periods from September 1993 to May 1998
Publication: Research › Conference article – Annual report year: 1998

Evaluation of stock enhancement of marine flatfish
Publication: Research › Report – Annual report year: 1998

Ex situ – måling af akustisk reflektionsevne på juvenile torsk
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

EFSA Publication 1998 [s.l.]: European Commission. (EU AIR2; No. CT94-1226).
Publication: Research › Report – Annual report year: 1998

Describing distribution and density patterns of metamorphosed 0- and 1-group cod related to hydrographical conditions, physical frontal zones, and bottom topography using hydroacoustic and trawl sampling methods in the Central Baltic Sea
Publication: Research › Conference article – Annual report year: 1997

EXSITU TS measurements on juvenile cod (preliminary results)
Publication: Research › Conference article – Annual report year: 1997

Acoustic monitoring of herring related to the establishment of a fixed link across the sound between Copenhagen and Malmö: Distribution, migration, density, biomass and stock composition of herring in the sound (ICES Subdiv. 23) during the autumn, winter and spring periods from october 1994 to may 1995. Including comparative results and discussion related to the september 1993 to may 1994 monitoring period
Nielsen, J. R. 1996 Charlottenlund: Danish Institute for Fisheries Research. 93 p. (DFU-rapport; No. 11-96).
Publication: Research › Report – Annual report year: 1996

Do herring use the Sound as migration route?
Nielsen, J. R. & Staehr, K-J. 1996
Publication: Research › Conference abstract for conference – Annual report year: 1996

Preliminary results on the distribution of metamorphosed 0-group cod in the central Baltic Sea within the AIR Baltic Core project
Publication: Research › Conference article – Annual report year: 1996

Status – 1995: Marin Fiskepleje
Acoustic identification of O-group cod in the Baltic Sea

Acoustic monitoring of herring migration in relation to the establishment of a fixed link across the Sound between Denmark and Sweden

Det danske fiskeri i Øresund - Erhvervsfiskeriet og rekreativt fiskeri

An analysis of the Danish fishery in the Sound. Analysis of landing and effort data from Danish professional and recreational fishery in the Sound during the period 1987-1993

Description and Comparison of Eggs and Yolk Sac Larvae of Greenland Cod (Gadus ogac), Atlantic Cod (Gadus morhua) and Arctic Cod (Boreogadus saida) from West Greenland Waters

Research vessels and borders. Research activities in and admittance to marine waters subjugated the jurisdiction of other Nordic nations

Results on the extensive production of North Sea cod, Gadus morhua L, and their growth and distribution subsequent to release in the Limfjord, Denmark


Feeding habits of Greenland cod, Gadus ogac, in the Nuuk area, West Greenland
Forvaltning af fiskeriresourcerne i Skagerrak og Kattegat
Publication: Research › Report – Annual report year: 1993

Helefisk ved Østgrønland : forsøgsfiskeri efter helefisk med hundeslæde ved Østgrønland vintrene 1991/1992
Nielsen, J. R. 1993 København: Grønlands Fiskeriundersøgelser. 30 p. (Fiskeriundersøgelser i Grønland).
Publication: Research › Report – Annual report year: 1993

Results on the extensive production of North Sea cod, Gadus morhua L., and their growth and distribution subsequent to release in the Limfjord
Støttrup, J., Nielsen, J. R., Krog, C. & Rasmussen, K. 1993 Programme and Abstracts: Reports IMR.
Publication: Research › Conference abstract in proceedings – Annual report year: 1993

Growth of Greenland cod, Gadus ogac, in the Nuuk area of West Greenland
Publication: Research › Article in proceedings – Annual report year: 1992

Lokalitetsbedømmelse for udsætning af pighvar - Nordkysten ved Thyborøn
Publication: Research › Report – Annual report year: 1992

Lokalitetsbedømmelse for udsætning af rødspætter - Langesundet og Omø Tofte samt det Sydfynske Øhav 1992
Publication: Research › Report – Annual report year: 1992

Opsættning af lokalitetsvurderingskriterier for udsætning af mari fiskegyl til bestandsstyrkelse
Publication: Research › Report – Annual report year: 1992

Uvakkens biologi Gadus ogac (Richardson)
Publication: Research › Report – Annual report year: 1992

Forsøgsfiskeri efter helefisk med langlinefartøjet "Vestfart" i Davisstrædet november 1989
Publication: Research › Report – Annual report year: 1990

Projects:

Fishery and Fisheries Ecosystem Impac Modelling
Rufener, M., Bastardie, F., Dinesen, G. E., Kristensen, K. & Nielsen, J. R.
01/06/2017 → 31/05/2020
Project: PhD

PhD Scholarship in Fish Stock Assessment and Population Dynamics Modelling
Mildenberger, T., Nielsen, J. R., Berg, C. W. & Kokkalis, A.
01/05/2017 → 30/04/2020
Project: PhD

Integration of bycatch in mixed-fisheries management
Schreiber Plet-Hansen, K., Ulrich, C., Mortensen, L. O. & Nielsen, J. R.
01/08/2016 → 16/10/2019
Project: PhD
Evaluation of Sustainable Exploitation of Major Baltic Fish Stocks under different Climate, Eutrophication and Fishing Pressures
Bossier, S., Nielsen, J. R., Bastardie, F., Christensen, A. & Neuenfeldt, S.
01/07/2016 → 30/06/2019
Project: PhD

Climate Change and European Aquatic Resources (CERES) (39344)
Payne, M., Nielsen, J. R. & Saurel, C.
01/03/2016 → 29/02/2020
Project

New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture in coastal areas (ECOAST) (39339)
Bastardie, F. & Nielsen, J. R.
01/03/2016 → 31/12/2018
Project

Study on approaches to management for data-poor stocks in mixed fisheries (MIXDLS) (39342)
Ulrich, C., Nielsen, J. R. & Worsøe Clausen, L.
01/01/2016 → 31/12/2017
Project

Baltic Sea project to boost regional coherence of marine strategies through improved data flow, assessments, and knowledge Base for development of measures (BalticBOOST) (39312)
Nielsen, J. R., Bastardie, F., Bossier, S. & Geitner, K.
15/09/2015 → 31/12/2016
Project

Improvement of the foundation for stock assessment for data limited stocks with importance for Danish fishery (39310)
Nielsen, J. R., Pedersen, M. W., Berg, C. W., Kokkalis, A. & Bossier, S.
01/07/2015 → 01/03/2017
Project

Tender for scientific support to the Saudi Arabian fisheries sector (SaudiTender I) (39153)
Nielsen, J. R., Pedersen, M. W., Berg, C. W., Degel, H. & Bastardie, F.
01/05/2015 → 30/06/2017
Project

Environmental effects on the availability of shallow and deep water hake to the demersal trawl survey in the Namibian waters
01/08/2013 → 05/12/2017
Project: PhD

Assessment of a mixed hake stocks off Namibia
15/12/2012 → 26/09/2017
Project: PhD

Operationalization of trait-based modelling for an ecosystem approach to fisheries
Jacobsen, N. S., Andersen, K. H., Gislason, H., Nielsen, J. R., Jennings, S. & Law, R.
01/11/2012 → 15/12/2015
Project: PhD
**Benthic ecosystem fisheries impact study (BENTHIS) (39021)**
Eigaard, O. R., Nielsen, J. R., Bastardie, F., Dinesen, G. E., Sørensen, T. K., Frandsen, R., Krag, L. A. & Mosegaard, H.
01/10/2012 → 30/09/2017
Project

**Maximizing yield of fisheries while balancing ecosystem, economic and social concerns (MYFISH) (38850)**
01/01/2012 → 29/02/2016
Project

**Comparative growth and feeding ecology between whiting (Merlangius merlangus) in the Baltic Sea and the North Sea**
Ross, S. D., Nielsen, J. R., Andersen, N. G., Gislason, H., MacKenzie, B., Rijnsdorp, A. D. & Temming, A.
01/11/2011 → 21/04/2016
Project: PhD

**Development of a sorting grid for the Danish Norway pout fishery (38954)**
Eigaard, O. R., Nielsen, J. R., Hermann, B. & Andersen, H.
20/09/2011 → 31/12/2012
Project

**Eastern-western Baltic cod: Improved management based on stock discrimination of eastern and western Baltic cod (Øst-Vesttorsk) (38989)**
Hüsey, K., Hansen, J. H., Huwer, B., Bastardie, F., Eero, M., Nielsen, J. R., Worsøe Clausen, L., Mosegaard, H., Storr-Paulsen, M., Olesen, H. J., Kirkegaard, E., Larsen, P. V., Hansen, F. I., Lundgaard, L. S., Willandsen, M., de Jong, N., Mensberg, K. D. & Meldrup, D.
27/06/2011 → 29/03/2013
Project

**Socio economic effects of management measures of the future CFP (SOCIOEC) (38940)**
Nielsen, J. R., Bastardie, F., Ulrich, C. & Eigaard, O. R.
01/01/2011 → 31/12/2014
Project

**Vectors of change (VECTORS) (38907)**
Gislason, H., Eero, M., Nielsen, J. R., Köster, F., Lewy, P., Rindorf, A., Bastardie, F., Kristensen, K. & Huwer, B.
01/01/2011 → 31/01/2015
Project

**Integrated management of agriculture, fishery, environment and economy – a strategic research alliance (IMAGE/MAFIA) (38772)**
Nielsen, J. R., Bastardie, F., Ross, S. D., Eigaard, O. R., Christensen, A., Palacz, A. & Andersen, B. S.
01/01/2010 → 31/12/2015
Project

**Interaction in coastal waters: A roadmap to sustainable integration of aquaculture and fisheries (COEXIST) (38789)**
Dolmer, P., Stettrup, J. G., Stenberg, C., Sørensen, T. K., Dinesen, G. E., Nielsen, J. R. & Bastardie, F.
01/01/2010 → 31/12/2012
Project

**Development of tools for logbook and VMS data analysis (38751)**
Nielsen, J. R., Bastardie, F., Ulrich, C., Egekvist, J. & Degel, H.
01/01/2009 → 31/12/2012
Project

**Fehmarn Belt science provision project: Fehmarn Belt fish and fisheries and related environmental investigations (38669)**
Nielsen, J. R., Worsøe Clausen, L., Bastardie, F., Bekkevold, D., Huwer, B., Hüsey, K., Storr-Paulsen, M., Stehr, K., Sparrevoorn, C. R., Jepsen, N., Lewy, P., Kristensen, K., Dutz, J., Christensen, A. & Geitner, K.
Development of fisheries with minimized emission of greenhouse gases (38686)
01/01/2008 → 31/12/2012
Project

Marine ecosystem evolution in a changing environment (MEECE) (38131)
Christensen, A., Köster, F., Vinther, M., Neuenfeldt, S., MacKenzie, B., Nielsen, J. R., Eero, M., Andersen, K. H., Bastardie, F., Neumann, V. & Grigorov, I.
01/01/2008 → 15/10/2012
Project

Survey of existing bio-economic models (38569)
Nielsen, J. R., Eigaard, O. R. & Andersen, B. S.
01/01/2008 → 31/12/2010
Project

A framework for fleet and area based fisheries management (AFRAME) (38110)
Ulrich, C., Andersen, B. S., Nielsen, J. R., Eigaard, O. R. & Hamon, K.
01/01/2007 → 31/12/2009
Project

Indicators for fisheries management in Europe (IMAGE) (38225)
Eero, M., Nielsen, J. R., Köster, F., Jarre, A., Bastardie, F., Andersen, K. H., Sørensen, T. K., Mosegaard, H., Thomsen, K., Tomczak, M. & Jacobsen, J. B.
01/01/2006 → 31/12/2009
Project

Management plans and Danish fishery (2245)
01/01/2006 → 31/12/2008
Project

Comparative evaluations of innovative solutions in European fisheries management (CEVIS) (38105)
Nielsen, J. R., Bastardie, F., Ulrich, C., Baodrun, A. & Sparre, P. J.
01/01/2005 → 31/12/2009
Project

Marine protected areas as a tool for ecosystem conservation and fisheries management (PROTECT) (38095)
Hoffmann, E., Nielsen, J. R., Mosegaard, H., Christensen, A., Sørensen, T. K., Vestergaard, O., Jensen, H., Kraus, G. & Mellmann, C.
01/01/2005 → 31/12/2008
Project

Creation of multi-annual management plans for commitment (COMMIT) (2212)
Ulrich, C., Nielsen, J. R. & Sparre, P. J.
01/01/2004 → 31/12/2007
Project

Operational evaluation tools for fisheries management options (EFIMAS) (38094)
Nielsen, J. R., Ulrich, C., Bastardie, F., Munch-Petersen, S., Eigaard, O. R., Andersen, B. S., Degnbol, P., Sparre, P. J., Nielsen, J., Blæsbjerg, M. & Vestergaard, O.
01/01/2004 → 31/12/2009
Project
European advisory system evaluation (EASE) (2194)
Köster, F. & Nielsen, J. R.
01/01/2002 → 31/12/2006
Project

Activities:

**ICES - Working Group on Integrating Ecological and Economic Models - WGIMM (External organisation)**
Nielsen, J. R. (Chairman)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak - WGNSSK (External organisation)**
Nielsen, J. R. (Participant)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Workshop on Probabilistic Assessments for Spatial Management - WKPASMM (External organisation)**
Nielsen, J. R. (Participant)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak - WGNSSK (External organisation)**
Nielsen, J. R. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Inter Benchmark Protocol for Norway pout North Sea stock - IBPNorway Pout (External organisation)**
Nielsen, J. R. (Participant)
2012 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Study Group on Integration of Economics, Stock Assessment and Fisheries Management - SGIMM (External organisation)**
Nielsen, J. R. (Participant)
2012 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**ICES - Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak - WGNSSK (External organisation)**
Nielsen, J. R. (Participant)
2012 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar