Bent Herrmann - DTU Orbit (20/01/2018)

Herrmann, Bent

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National Institute of Aquatic Resources - Senior Research Scientist, Former

Publications:

**Feed intake as explanation for density related growth differences of common sole Solea solea**
Publication: Research - peer-review › Journal article – Annual report year: 2013

**The influence of twine thickness, twine number and netting orientation on codend selectivity**
Publication: Research - peer-review › Journal article – Annual report year: 2013

**Comparing selectivity of a standard and turned mesh T90 codend during towing and haul-back**
Madsen, N., Herrmann, B., Frandsen, R. & Krag, L. A. 2012 In : Aquatic Living Resources. 25, 3, p. 231-240
Publication: Research - peer-review › Journal article – Annual report year: 2012

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

**Net escapement of Antarctic krill in trawls**
Publication: Research › Working paper – Annual report year: 2012

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

**Understanding the size selectivity of redfish (Sebastes spp.) in North Atlantic trawl codends**
Publication: Research - peer-review › Journal article – Annual report year: 2012

**Design, udvikling og dokumentation af et selektivt trawl til demersalt fiskeri i Nordsøen**
Publication: Research › Report – Annual report year: 2011

**Development of a codend concept to improve size selectivity of Nephrops (Nephrops norvegicus) in a multi-species fishery**
Publication: Research - peer-review › Journal article – Annual report year: 2011

**Effect of netting direction and number of meshes around on size selection in the codend for Baltic cod (Gadus morhua)**
Wienbeck, H., Herrmann, B., Moderhak, W. & Stepputtis, D. 2011 In : Fisheries Research. 109, 1, p. 80-88
Publication: Research - peer-review › Journal article – 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

Report of the Study Group on Turned 90° Codend Selectivity, focusing on Baltic Cod Selectivity (SGTCOD)
Publication: Research › Report – Annual report year: 2011

Size selection of haddock (Melanogrammus aeglefinus) in square mesh codends: A study based on assessment of decisive morphology for mesh penetration
Publication: Research - peer-review › Journal article – Annual report year: 2011

Udvikling og demonstration af en selektiv sorteringsrist til jomfruhummerfiskeriet
Publication: Research › Report – Annual report year: 2011

Understanding limits to cod and haddock separation using size selectivity in a multispecies trawl fishery: an application of FISHSELECT
Sistiaga, M., Herrmann, B., Nielsen, K. N. & Larsen, R. B. 2011 In : Canadian Journal of Fisheries and Aquatic Sciences. 68, 5, p. 927-940
Publication: Research - peer-review › Journal article – Annual report year: 2011

A simulation-based attempt to quantify the morphological component of size selection of Nephrops norvegicus in trawl codends
Frandsen, R., Herrmann, B. & Madsen, N. 2010 In : Fisheries Research. 101, 3, p. 156-167
Publication: Research - peer-review › Journal article – Annual report year: 2010

Assessment of dual selection in grid based selectivity systems
Publication: Research - peer-review › Journal article – Annual report year: 2010

Report of the Study Group on Turned 90° Codend Selectivity, focusing on Baltic Cod Selectivity (SGTCOD)
Publication: Research › Report – Annual report year: 2011

Bruger vi de mest optimale maskefaconer og størrelser i dansk fiskeri?
Publication: Research › Poster – Annual report year: 2009

Can codend selectivity of Nephrops be explained by morphology?
Frandsen, R., Herrmann, B. & Madsen, N. 2009
Publication: Research › Poster – Annual report year: 2009

Computersimulering - et værktøj for fiskeriforvaltningen?
Publication: Research › Poster – Annual report year: 2009

Investigation of the paired-gear method in selectivity studies
Sistiaga, M., Herrmann, B. & Larsen, R. B. 2009 In : Fisheries Research. 97, 3, p. 196-205
Publication: Research - peer-review › Journal article – Annual report year: 2009
Kullertrawl fanger færre torsk
Publication: Communication › Newspaper article – Annual report year: 2009

Modelling axisymmetric cod-ends made of different mesh types
Publication: Research - peer-review › Journal article – Annual report year: 2009

Modelling escapement during the fishing process as a dual sequence - Introducing SELNET
Herrmann, B., Madsen, N., Sistiaga, M. & Grimaldo, E. 2009
Publication: Research › Poster – Annual report year: 2009

New approaches to selectivity studies in the Barents Sea
Sistiaga, M., Herrmann, B., Nielsen, K. & Larsen, R. B. 2009
Publication: Research › Poster – Annual report year: 2009

Prediction of selectivity from morphological conditions: Methodology and a case study on cod (Gadus morhua)
Publication: Research - peer-review › Journal article – Annual report year: 2009

Relevance of dual selection in grid based selectivity studies
Herrmann, B., Sistiaga, M., Grimaldo, E. & Larsen, R. B. 2009
Publication: Research › Poster – Annual report year: 2009

Report of the Study Group on Turned 90° Codend Selectivity, focusing on Baltic Cod Selectivity (SGTCOD)
Publication: Research › Report – Annual report year: 2009

A user-guide to the FISHSELECT software tool
Publication: Research › Report – Annual report year: 2008

Comparison of selective properties for nettings when used in normal direction versus in 90 degrees turned direction
Publication: Research › Poster – Annual report year: 2008

Simulation-based study of precision and accuracy for methods to assess size selective properties of codends
Herrmann, B. 2008
Publication: Research › Poster – Annual report year: 2008

Simulering af selektivitet i fiskeredskaber
Publication: Research › Report – Annual report year: 2008

Udvikling af selektive trawl til danske fiskerier - SELTRA
Publication: Research › Report – Annual report year: 2008
Undermålshummere sorteres fra 
Frandsen, R., Madsen, N., Herrmann, B., Holst, R. & Krag, L. A. 2008 15, 52+01, Fiskeri Tidende
Publication: Communication › Newspaper article – Annual report year: 2008

FISHSELECT - Development of methodology 
Publication: Research › Poster – Annual report year: 2007

FISHSELECT - Study of cod ( Gadus morhua ) 
Publication: Research › Poster – Annual report year: 2007

FISHSELECT - Study of plaice ( Pleuronectes platessa ) 
Publication: Research › Poster – Annual report year: 2007

Main factors affecting cod end selectivity 
Publication: Research › Report – Annual report year: 2007

Modelling axi-symmetrical cod-ends made of different mesh types 
Priour, D., Herrmann, B. & O’Neill, B. 2007
Publication: Research › Conference abstract for conference – Annual report year: 2007

PRESEMO - a predictive model of codend selectivity - a tool for fishery managers 
O’Neill, F. G. & Herrmann, B. 2007 In : ICES Journal of Marine Science. 64, 8, p. 1558-1568
Publication: Research - peer-review › Journal article – Annual report year: 2007

PRESEMO Windows navigating manual 
Herrmann, B. 2007 37 p.
Publication: Research › Report – Annual report year: 2007

Simulation-based investigation of the paired-gear method in cod-end selectivity studies 
Publication: Research - peer-review › Journal article – Annual report year: 2007

Simulation-based study of the combined effect on cod-end size selection of turning meshes by 90 degrees and reducing the number of meshes in the circumference for round fish 
Herrmann, B., Priour, D. & Krag, L. A. 2007 In : Fisheries Research. 84, 2, p. 222-232
Publication: Research - peer-review › Journal article – Annual report year: 2007

Slutraffort TEMAS (Technical measures - development of evaluation model and application in danish fisheries) 
Publication: Research › Report – Annual report year: 2007

Assessment of reliability of results obtained from surveys using trawl gears 
Frandsen, R., Herrmann, B., Holst, R. & O’Neill, F. G. 2006
Publication: Research › Poster – Annual report year: 2006

Experimental and theoretical study of red mullet ( Mullus barbatus ) selection in codends of Mediterranean bottom trawls 
Sala, A., Priour, D. & Herrmann, B. 2006 In : Aquatic Living Resources. 19, 4, p. 317-327
Publication: Research - peer-review › Journal article – Annual report year: 2006
Investigation of the paired gear method
Frandsen, R., Herrmann, B. & Holst, R. 2006
Publication: Research › Poster – Annual report year: 2006

Modelling the effect of interaction between fish morphology and mesh shapes on discard levels in mixed fisheries
Publication: Research › Poster – Annual report year: 2006

Prediction of size selectivity in trawl codends by simulation
Herrmann, B. 2006 Hirtshals: Danish Institute for Fisheries Research. 32 p.
Publication: Research › Report – Annual report year: 2006

PREMECS-II: Development of predictive model of cod-end selectivity
Publication: Research › Report – Annual report year: 2006

Simulation of catch and discard for a fishing gear - demonstrating the PRESEMO software
Publication: Research › Poster – Annual report year: 2006

Simulation of cod-end deformation - demonstrating the FEMNET software
Priour, D. & Herrmann, B. 2006
Publication: Research › Poster – Annual report year: 2006

Theoretical study of the effect of round straps on the selectivity in a diamond mesh cod-end
Publication: Research - peer-review › Journal article – Annual report year: 2006

Theoretical study of the influence of twine thickness on haddock selectivity in diamond mesh cod-ends
Herrmann, B. & O'Neill, F. G. 2006 In : Fisheries Research. 80, 2-3, p. 221-229
Publication: Research - peer-review › Journal article – Annual report year: 2006

Catch shape in codend (DEMAT05)
Publication: Research › Article in proceedings – Annual report year: 2005

Effect of catch size and shape on the selectivity of diamond mesh cod-ends: II. Theoretical study of haddock selection
Herrmann, B. 2005 In : Fisheries Research. 71, 1, p. 15-26
Publication: Research - peer-review › Journal article – Annual report year: 2005

Effect of catch size and shape on the selectivity of diamond mesh cod-ends: I. Model development
Herrmann, B. 2005 In : Fisheries Research. 71, 1, p. 1-13
Publication: Research - peer-review › Journal article – Annual report year: 2005

Modelling and simulation of size selectivity in diamond mesh trawl cod-ends
Herrmann, B. 2005 Aalborg University.
Publication: Research › Ph.D. thesis – Annual report year: 2005

Theoretical study of the between-haul variation of haddock selectivity in a diamond mesh cod-end
Publication: Research - peer-review › Journal article – Annual report year: 2005
Projects:

**Net escapement of Antarctic krill in trawls (NEAT) (38919)**
Krag, L. A. & Herrmann, B.
01/01/2012 → 31/12/2014

**Design optimization of SELTRA 180 (38908)**
Krag, L. A., Herrmann, B., Madsen, N., Frandsen, R. & Lundgren, B.
01/01/2011 → 31/12/2012

**Documentation of the selective effect of SELTRA 180 in Kattegat (38917)**
Krag, L. A. & Herrmann, B.
01/01/2011 → 31/12/2012

**Improving the selectivity for cod in Danish trawl fisheries (38887)**
Krag, L. A., Herrmann, B., Karlsen, J. D. & Seekings, J. P.
01/01/2010 → 31/12/2012

**Test and demonstration of a selective topless trawl in the North Sea (38699-2)**
Krag, L. A., Herrmann, B. & Karlsen, J. D.
01/01/2009 → 31/12/2011

**Development of fisheries with minimized emission of greenhouse gases (38686)**
01/01/2008 → 31/12/2012

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

Activities:

**ICES - Study Group on Turned 90˚ Codend Selectivity, focusing on Baltic Cod Selectivity - SGTCOD (External organisation)**
Herrmann, B. (Participant)
2012 → ...

Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar