Casper Willestofte Berg - DTU Orbit (16/10/2018)

Berg, Casper Willestofte
cbe@aqua.dtu.dk
National Institute of Aquatic Resources - Senior Researcher
Section for Marine Living Resources

Research outputs:

A stochastic surplus production model in continuous time
Pedersen, M. W. & Berg, C. W. 2017 In : Fish and Fisheries. 18, 2, p. 226-243
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
Berg, C. W. & Nielsen, A. 2016 In : ICES Journal of Marine Science. 73, 7, p. 1788-1797
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
Kristensen, K., Nielsen, A., Berg, C. W., Skaug, H. J. & Bell, B. 2016 In : Journal of Statistical Software. 70, 5, p. 1-21
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
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
Berg, C. W. & Kristensen, K. 2012 In : Fisheries Research. 129-130, p. 119-126
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
Worsøe Clausen, L., Mosegaard, H., Berg, C. W. & Ulrich, C. 2012
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
Berg, C. W. & Temming, A. 2011 In : Canadian Journal of Fisheries and Aquatic Sciences. 68, 5, p. 834-841
Research output: Research - peer-review › Journal article – Annual report year: 2011

Size-based assessment of ecosystem effects of fishery management decisions
Andersen, K. H. & Berg, C. W. 2010
Research output: Research › Poster – Annual report year: 2010

Online bestandsvurdering af torsk i Nordsøen
Berg, C. W. 2009 In : Fiskeritidende. 16, 2, p. 6
Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2009

Projects:

Seal-safe fishing (39421)
12/09/2016 → 19/12/2018
Project: Research

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

Statistisk modellering af marine økosystemer
Berg, C. W., Madsen, H., Nielsen, A., Thygesen, U. H., Andersen, K. H., Cadigan, N. G. & Nielsen, S. F.
Institut stipendie (DTU) Samf.
Tagging Baltic cod (TABACOD) (39333)
Hüssy, K., Olesen, H. J., Andersen, N. G., Storr-Paulsen, M., Thygesen, U. H., Berg, C. W. & Nielsen, K. E.
01/01/2016 → 31/12/2019
Project: Research

Eastern Baltic cod - New knowledge of growth and mortality is the way to improved management advice (39366)
Eero, M., Storr-Paulsen, M., Tomkiewicz, J., Hansen, J. H., Neuenfeldt, S., Christensen, A., Kindt-Larsen, L. & Berg, C. W.
15/08/2016 → 15/08/2018
Project: Research

Forward management of sandeel in the North Sea (39316)
Worsøe Clausen, L., Rindorf, A., van Deurs, M., Berg, C. W., Mosegaard, H., Bekkevold, D., Mortensen, L. O. & Christensen, A.
11/11/2015 → 17/08/2018
Project: Research

Assessment and management of linked stocks (39325)
Nielsen, A., Albertsen, C. M., Berg, C. W., Kristensen, K. & Thygesen, U. H.
14/12/2015 → 05/08/2018
Project: Research

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: Research

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: Research

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK) (39147)
Eero, M., Hansen, J. H., Mariani, P., Berg, C. W., Hüssy, K., Huwer, B., Nielsen, A. & Eg Nielsen, E.
17/07/2013 → 30/04/2015
Project: Research

Development of a by-catch excluder for the Danish and European trawl fisheries (39285)
01/01/2015 → 31/12/2016
Project: Research

Bridging the gap between science, stakeholders and policy makers (GAP 1 & GAP 2) (38133 & 38860)
Worsøe Clausen, L., Mosegaard, H., Ulrich, C. & Berg, C. W.
01/01/2008 → 31/12/2015
Project: Research

Spatially-explicit management methods for North Sea cod – a Danish fishermen-science collaboration (REX, REX II, REX III) (38430, 38431, 38541)
01/01/2006 → 31/01/2010
Project: Research
Activities:

ICES - Benchmark Workshop for North Sea Stocks - WKNSEA (External organisation)
Berg, C. W. (Participant)
2015
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)
Berg, C. W. (Participant)
2015
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)
Berg, C. W. (Participant)
2014
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)
Berg, C. W. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Integrated DATRAS Products - WKIDP (External organisation)
Berg, C. W. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar