

### **Publiserte artikler i vitenskapelige tidsskrifter med referee**

Hjellvik, V., Godø, O.R. and Tjøstheim, D. 2004a. Diurnal variation in acoustic densities: why do we see less in the dark? *Canadian Journal of Fisheries and Aquatic Sciences* 61, 2237-2254.

Hjellvik, V., Godø, O.R. and Tjøstheim, D. 2004b. Decomposing and explaining the variability of bottom trawl survey data from the Barents Sea. *Sarsia* 89, 196-210.

Johnsen, E. 2003. Improving the precision of length frequency distribution estimates from trawl surveys by including spatial covariance –using Namibian *Merluccius capensis* as an example. *Fisheries Research* 62: 7-20.

### **Innsendte artikler i vitenskapelige tidsskrifter med referee**

Hjellvik, V., Godø, O.R. and Tjøstheim, D. Can the precision of bottom trawl indices be increased by using simultaneously collected acoustic data? The Barents Sea experience. Submitted to *Canadian Journal of Fisheries and Aquatic Sciences*.

Hjellvik, V. DIVA V2.4.0.1. An R-application for calculating and adjusting for diurnal variation of marine populations. Submitted to *Journal of Statistical Software*.

Hjellvik, V., Godø, O.R. and Tjøstheim, D. Can the precision of bottom trawl indices be increased by using simultaneously collected acoustic data? The Barents Sea experience. Submitted to *Canadian Journal of Fisheries and Aquatic Sciences*.

Hjellvik, V. DIVA V2.4.0.1. An R-application for calculating and adjusting for diurnal variation of marine populations. Submitted to *Journal of Statistical Software*.

Johnsen, E. and Godø, O. R. 2006. Diurnal variations in acoustic records of blue whiting (scientific name). Submitted to *ICES Journal of Marine Science*.

Johnsen, E. and Skaret, G. Mass formations in giant fish shoals founded in conflicting motivation. Rejected *Nature*

Johnsen, E. and Iilende, T. Diurnal variation in commercial CPUE and survey catch rates. Can fishery data improve Namibian hake survey estimates? Submitted to *Fisheries Research*

### **Publiserte foredrag fra internasjonale møter/konferanser**

Johnsen, E. 2004. A visualization of the spatial and temporal dynamics in the Namibian hake trawl fishery – a tool to understand the complexity of a fishery. In: Nishida, T., Kailola, P.J., and Hollingworth, C.E. (Eds.). *GIS/Spatial Analyses in Fishery and Aquatic Sciences (Vol. 2)*. Fishery-Aquatic GIS Research Group, Saitama, Japan. 735pp.

## **Øvrige rapporter, foredrag og presentasjoner**

- Godø, O.R., Hjellvik, V. and Tjøstheim, D. 2006. Diurnal variation in frequency response of gadoids in the Barents Sea. ICES CM 2006/I:23. 9pp.
- Hjellvik, V., Godø, O.R. and Tjøstheim, D. 2006. Can the precision of bottom trawl indices be increased by using simultaneously collected acoustic data? The Barents Sea experience. ICES CM 2006/I:35 (poster).
- Godø, O. R. 2006. Innovative marine acoustics a response to the ecosystems approach. IN Jesus, S.M., Carvoeiro, O.C.R. (Eds.) Proceedings of the Eighth European Conference on Underwater Acoustics, 8th ECUA, Portugal 12-15 June, 2006. (Keynote lecture)
- Godø O.R. 2006. Å tenke stort i kaldt vann - bærekraftig høsting og bruk av havet. Invitert foredrag ved fiskeridagene 6 mars 2006 ved Distriktshøyskolen i Bodø. (Invitert foredrag)
- Johnsen, E. and Godø, O. R. 2005. Diurnal variation in vertical distribution and acoustic density of Blue whiting. Underwater Acoustic Measurements - Technologies and Results. International Conference 28 June – 1 July, Heraklion, Crete.
- Hjellvik, V. 2005. Presentasjon av DIVA for forskarar ved HI. 9. desember.
- Godø, O.R., Hjellvik, V., Greig, T., and Beare, D. 2004. Can subjective evaluation of echograms improve correlation between bottom trawl and acoustic densities? ICES CM 2004/ R:23 (poster).
- Handegard, N.O., Hjellvik, V. 2004. A vessel specific bias in echo sounder recordings during trawling. ICES CM 2004/R:35 (poster).
- Hjellvik, V., Godø, O.R. and Tjøstheim, D. 2004. Diurnal variation in acoustic densities: why do we see less in the dark? ICES CM 2004/R:33 (poster).
- Johnsen, E. 2004. Diurnal variation models of bottom trawl survey catches parameterised by using commercial CPUE data. ICES CM 2004/R:18 (poster).