## Theme Session P

**Ecological foodweb and network analysis: a tool for ecosystem-based management?**

*Conveners: Andrea Belgrano (Sweden), Christian Möllmann (Germany), and Ulrich Brose (Germany)*

### Papers/Oral presentations

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<th>Code</th>
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| P:01 | **Authors:** Steele, Gifford, and Collie  
**Title:** Using food web scenarios to estimate fisheries yields on Georges Bank  
**Keywords:** food web, energy flux, MSY, fisheries management |
| P:02 | **Authors:** V. M. Trenkel and M. J. Rochet  
**Title:** Qualitative food-web modelling for predicting the joined directions of change of population and community indicators: identifying dominant pressures as a step towards an EAF  
**Keywords:** loop analysis, qualitative modelling, indicators, ecosystem approach to fisheries management |
| P:03 | **Authors:** Alexander Kempf, Jens Floeter, and Axel Temming  
**Title:** Predator–prey overlap induced Holling type III functional response in the North Sea fish assemblage  
**Keywords:** Functional response · Holling type III · Predator–prey overlap · Prey refuge Predator pit |
| P:04 | **Authors:** M. T. Tomczak, J. J. Heymans, T. Blenckner, and S. Niiranen  
**Title:** Ecological Network Analysis, indicators of food-web changes in the Baltic Sea  
**Keywords:** Baltic, food-web, Ecological Network Analysis, regime shift, Ecosim |
| P:05 | **Withdrawn** |
| P:06 | **Authors:** Melen Leclerc and Didier Gascuel  
**Title:** The Trophic Spectrum: a tool for assessing the effects of fishing on marine ecosystems at a global scale  
**Keywords:** “ecosystem” “fishing” “trophic spectrum” |
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<td>P:07</td>
<td>Jens Floeter and Christian Möllmann</td>
<td>Decadal variability in the structure and functioning of the North Sea and Baltic Sea food – changes or replacements?</td>
<td>North Sea, Baltic Sea, food web functioning</td>
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<td>Joël M. Durant, Dag Ø. Hjermann, and Nils Chr. Stenseth</td>
<td>Reversing the Match-mismatch relationship: the prey point of view</td>
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<td>Rickard Degerman and Robert Lefébure</td>
<td>Climate induced alterations of dissolved organic carbon levels in the Baltic Sea pelagic system; implications on food web efficiency and fish production</td>
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**Keywords:** Climate change, Baltic Sea, DOC, food web efficiency, fish production

**Authors:** Jari-Pekka Pääkkönen, Ilppo Kajaste, Marjut Räsänen and Katja Pellikka

**Title:** Long-term changes in the state of the coastal ecosystem in the Gulf of Finland

**Keywords:** phytoplankton, zooplankton, coastal, biodiversity, Baltic Sea