

WKICDAT – Workshop on Index Calculation based on DATRAS

2018/MA2/EOSG11 The Workshop on Index Calculation based on DATRAS (WKICDAT), chaired by Holger Haslob, will meet in ICES HQ, Copenhagen, Denmark, 21-22 March 2019 to:

- a) Evaluate the use of the so called deltaGAM index method (Berg et al., 2014) with regard to different survey designs of the beam trawl surveys conducted in the North Sea and adjacent waters.
- b) Contrast the deltaGAM method with the previously used index calculation methods with regard to the output of the stock assessment models used.

WKICDAT will report by 3 June 2019 for the attention of the ACOM Committee.

Supporting information

Priority	The WGBEAM feels that currently communication between survey and assessment groups is not fluent in many cases and the automation of procedures unfortunately risks further reducing the important communication between survey and assessment experts. A better understanding of the interactions of the survey and age sampling design with the automated index calculation is necessary to ensure appropriate index development. WGBEAM recommends a two-day workshop to bring experts from survey and assessment groups together in order to address this issue. The results of this workshop will have implications for the used approaches to derive adequate survey indices and to make best use of the available survey data.
Scientific justification	<p>Term of Reference a)</p> <p>In recent years a lot of progress of automation index calculation procedures and the adoption of a modelled approach combining several surveys into a single index, based on DATRAS data (e.g. used for North Sea plaice, dab, lemon sole, North Sea cod), was made. However, especially the indices which are based on data from the different beam trawl surveys, which use different gears and apply different biological sampling designs, have to be thoroughly evaluated and compared to historical methods to understand the differences and their implication for stock assessment. (Science plan 3.2, 3.3)</p> <p>Term of Reference b)</p> <p>It has to be investigated to what extent the new method affects the outcomes of the used stock assessment models in comparison with the previously used methods. It has to be clarified which approach for which stock makes the best use of the available survey data. (Science plan 3.2, 3.3)</p>
Resource requirements	No additional resources required.
Participants	The workshop will be attended by some 10-15 survey and assessment experts.
Secretariat facilities	Meeting room in ICES HQ. It is planned to have the two-day workshop in the same week as WGBEAM2019.
Financial	No financial implications.
Linkages to advisory committees	There are direct linkages with ACOM as the results of this workshop will have implications for the quality of the stock assessment results for important stocks which make already use of the deltaGAM method. The work may be of interest to other survey WGs
Linkages to other committees or groups	There is a very close working relationship with IBTSWG, WGNSSK, WGSCE.
Linkages to other organizations	