

## JFATB2 – Joint Workshop of WGFTFB and WGFAS

2016/2/SSGIEOM07

The Joint Workshop of the ICES-FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB] and the Working Group on Fisheries Acoustics Science and Technology [WGFAS] (JFATB), chaired by Paul Winger\*, Canada, and Chris Wilson\*, USA, will meet on 3 April 2017 in Nelson, New Zealand, in conjunction with WGFTFB and WGFAS to:

- a) Review the observer effect: how platforms and instruments affect the behaviour of aquatic fauna.
- b) Review recent progress in image analysis and machine learning techniques for efficient data processing in aquatic research.

JFATB will report by 30 June 2017 for the attention of WGFAS, WGFTFB, ACOM and SCICOM.

### Supporting information

Priority	WGFAS and WGFTFB have joint interests in the effects of observation methods on behaviour of fish and other marine organisms and the use of image analysis methods.
Scientific justification	<p>Term of Reference a)</p> <p>All observation methods and platforms impact fish behaviour and consequently acoustic measurements and fishing gear catch performance. A group of acoustic and fishing technology experts is therefore well suited to discuss progress in the field from different perspectives.</p> <p>Term of Reference b)</p> <p>Optical imaging methods are increasingly used as auxiliary methods in various fields, including fisheries acoustic and gear technology studies. Both groups of experts can benefit from sharing their diversity in collecting and analysing optical data.</p>
Resource requirements	The monitoring and research programmes which provide the main input to this group are already underway, and resources are already committed. The additional resource required to undertake additional activities in the framework of this group is negligible.
Participants	Members of WGFTFB and WGFAS and guests (120 participants expected).
Secretariat facilities	None.
Financial	No financial implications.
Linkages to advisory committees	There are linkages to both SCICOM and ACOM.
Linkages to other committee or groups	There are linkages to all groups collecting or using data from acoustics, optics or fishing gears.
Linkages to other organizations	The work of this group is of international interest to all countries conducting surveys.