

## Work plan for developing ecosystem report card and assessments in IOTC

M.J. Juan Jorda

Document IOTC-2018-WPEB14-20 proposed a process to develop the first prototype ecosystem report card for IOTC. The main purpose of the ecosystem report card is to improve the link between ecosystem science and fisheries management in IOTC. Accordingly, the ecosystem report card (and associated ecosystem assessment) aims to report on the relevant *pressures* affecting the state of the ecosystem, and report on the ecological *state* of the pelagic ecosystem interacting with IOTC fisheries.

In conjunction with the proposal, the WPEB14 drafted the following work plan. The plan includes:

- (1) A **reporting framework** to monitor the full range of interactions between IOTC fisheries and the different components of the pelagic ecosystem.
- (2) The inter-sessionally **development of indicator assessments for each of the ecosystem component** in the reporting framework which will be used to inform the report card. Each indicator assessment will propose, evaluate and develop potential candidate ecosystem indicators, with a brief description of the indicators selected, the rationale for selection and operational challenges encountered in their development. Document IOTC-2018-WPEB14-20 includes some guidance for the development of the ecosystem assessments and additional guidance on the exact requirements will be prepared following the SC21 in December 2018.
- (3) **Each indicator assessment will be presented and reviewed in the WPEB15** which will inform the development of the first ecosystem report card in IOTC. It is expected this will be an iterative and collaborative process with the ultimate goal of creating useful products to provide better ecosystem advice to the Commission.
- (4) The following WPEB participants have been tasked with the development of the indicator assessments. A tentative team leader has been identified for each group (in bolded text). It is recommended that the teams organize themselves quickly given the constraints of not working face to face.

<b>ECOSYSTEM COMPONENTS TO REPORT</b>	<b>ASSESSORS</b> <b>*tentative team leader bolded</b>
Retained fish species (including only assessed species)	<b>Maria Jose Juan Jordá</b> (mjuanjorda@gmail.com) Hilario Murua (hmurua@azti.es) Henning Winker (HenningW@daff.gov.za) Zhe Geng (zhengeng1993@foxmail.com)
Retained fish species (including not assessed species)	Maria Jose Juan Jordá Pascal Bach (pascal.bach@ird.fr) Philippe Sabarros (philippe.sabarros@ird.fr) Mariana Tolotti (mariana.travassos@ird.fr) <b>Umair Shahid</b> (ushahid@wwf.org.pk) Zhe Geng Sandamali Herath (hlsheerath@gmail.com)
Non-retained sharks and rays	Rui Coelho Pascal Bach Philippe Sabarros <b>Mariana Tolotti</b> Umair Shahid Zhe Geng Sandamali Herath Daniel Fernando
Sea turtles	Umair Shahid <b>Jana Yonat Swimmer</b> (needs to be contacted, yonat.swimmer@noaa.gov) Jerome Bourjea (needs to be contacted, Jerome.bourjea@ifremer.fr )

	Muhammad Khan (mmoazzamkhan@gmail.com)
Seabird	<b>Ross Wanless</b> (ross.wanless@birdlife.org.za) Catrina van der Merwe (nini.vdmerwe@birdlife.org.za) Anton Wolfaardt (acwolfaardt@gmail.com)
Marine mammals	<b>Jeremy Kiszka</b> (jkiszka@fiu.edu) Muhammad Khan
Community and foodweb	<b>Eider Andonegi</b> (eandonegi@azti.es) Maria José Juan Jordá Muhammad Khan Reza Shahifar (r.shahifar@gmail.com) Jeremy Kiszka
Habitat of ecological significance	<b>Maria José Juan Jordá</b> Muhammad Khan Reza Shahifar
Fishing Pressure	Umair Shahid <b>Reza Shahifar</b> Mohammed Koya (koya313@gmail.com) Sandamali Herath
Marine debris	Need contact from Sylvain to a contact – SWIOFC PROJECT <b>Iker Zudaire</b> (izudaire@azti.es) Muhammad Khan
Socio-economic aspects	IOTC consultant
Oceanography and climate change	Reza Shahifar <b>Francis Marsac</b>