

## WGMARS – Working Group on Maritime Systems

### Working Group on Maritime Systems (WGMARS)

2015/MA2/SSGIEA06 The Working Group on Maritime Systems (WGMARS), chaired by Christine Röckmann, the Netherlands, and Patricia M. Clay, USA will work on ToRs and generate deliverables as listed in the Table below.

	Meeting dates	Venue	Reporting details	Comments (change in Chair, etc.)
Year 2016	31 October – 3 November	Woods Hole, USA	Interim report by December 2016 to SSGIEA	2016 Meeting postponed until 2017
Year 2017	22–26 May	Woods Hole, USA	Interim report by 28 June 2017 to SSGIEA	(Year 1)
Year 2018	19-23 February	La Hague, NL	Final report by 13 March to IEASG	(Year 2) - Patricia M. Clay, USA as new chair
Year 2019	8-12 April	AZTI San Sebastian, Spain	Final report by 29 May to IEASG	(Year 3)

### ToR descriptors

ToR	Description	Background	Science Plan topics addressed	Duration	Expected Deliverables
	Understanding the implementation of Integrated Ecosystem Assessments (IEAs) in ICES	ICES has identified Ecosystem Understanding as their key priority. IEAs play an important role in supporting Ecosystem understanding and enable understanding effects of trade-offs between resource users.	1.1, 1.2, 2.1, 3.2, 4.1	3 years	Two annual reports and a final report with our findings will be presented to ICES. Review paper
<b>a</b>	Understanding of IEAs, definitions, framing	Review of existing IEA reports from the relevant ICES groups; interact with ICES IEA groups to follow developments.	1.1, 1.2	year 1	Review paper
<b>b</b>	Identifying IEA end-users and the required extended peer community	IEAs are seen as a important tool that enable evaluation of trade-offs and sustainable marine management. How do IEAs fit in contemporary governance and mangement systems?	2.1	year 2	Collaborative reporting in the WGMARS Report

<b>c</b>	How have IEAs evolved and how should they be integrated in management advice.	For ICES to provide meaningful IEAs for regional seas or selected marine areas close collaboration between many ICES expert groups and the ICES secretariat is anticipated. Cases studies will be used starting with an analyses of WGNARS IEA work in the Northwest Atlantic with key stakeholders.	2.1, 4.1	3 years	Collaborative reporting in the WGMARS Report
<b>d</b>	Analyze interactions between resource users, the governance system and the complex social-ecological marine system with Behavioural Economics	Which findings from Behavioural Economics can be applied to marine ecosystem management settings, including fisheries management. Illustrate how these findings can increase alignment of individual behaviour with societal aims.	1.2, 2.1	3 years	Collaborative reporting in the WGMARS Report
<b>e</b>	Stimulate transdisciplinary research by organizing workshops involving scientist from different fields and stakeholders	Practical exercises & case studies for WGMARS transdisciplinary consultation on how to best integrate available knowledge, including stakeholder knowledge, into IEAs	1.1, 1.2, 2.1, 3.2, 4.1	Each year at least 1 workshop	Collaborative reporting in the WGMARS Report

### Summary of the Work Plan

<b>Year 1</b>	Focus on understanding of IEAs
<b>Year 2</b>	Focus on understanding expectations of IEA end-users
<b>Year 3</b>	Focus on advancing IEA in management advice

### Supporting information

<b>Priority</b>	The proposed activities of WGMARS will help ICES achieve their overarching goal of providing future advice based on ecosystem understanding. IEAs are seen as an important tool in understanding how humans interact with the marine ecosystem and enabling justified trade-offs between human use of the marine ecosystem. Consequently, these activities are considered to have a very high priority.
<b>Resource requirements</b>	Ongoing work in the ICES groups that are currently working on the implementation of IEAs for their regional seas serves as input for our work. In addition the WGMARS will work in close collaboration with ICES SIHD (the strategic initiative on the human dimensions in IEA) and the ICES secretariat.
<b>Participants</b>	The Group is normally attended by some 10–15 members and guests.

<b>Secretariat facilities</b>	None.
<b>Financial</b>	No financial implications.
<b>Linkages to ACOM and groups under ACOM</b>	The focus of the work is on understanding IEAs, with a direct link to the ICES science plan (SCICOM), and future integration of IEAs in management advice, which is very relevant for ACOM.
<b>Linkages to other committees or groups</b>	There is a very close working relationship with all the ICES IEA groups Where necessary we will reach out and collaborate with other ICES committees and groups that should play a role in ICES IEA work.
<b>Linkages to other organizations</b>	