

WGMARS - Working Group on Maritime Systems

2019/FT/IEASG02 The Working Group on Maritime Systems (WGMARS), chaired by Patricia M. Clay, US, Leyre Goti, Germany, and Jennifer Leigh Bailey, Norway, will work on ToRs and generate deliverables as listed in the Table below.

	MEETING DATES	VENUE	REPORTING DETAILS	COMMENTS (CHANGE IN CHAIR, ETC.)
Year 2020	20-24 April	Online meeting	ICES Scientific report by 1 June 2020	Johanna Ferretti, Germany outgoing Chair and Leyre Goti, Germany incoming Chair
Year 2021	3-7 May	Online meeting	ICES Scientific report by TBD	Jennifer Leigh Bailey as incoming Chair
Year 2022	TBD	TBD - Europe	Final ICES Scientific report by TBD	

ToR descriptors

TOR	DESCRIPTION	BACKGROUND	SCIENCE PLAN CODES	DURATION	EXPECTED DELIVERABLES
a	Analyse how inter- and transdisciplinary science can improve management and advice	ICES has prioritized the investigation of sustainability dimensions with a view to maritime uses and responses and the integration of different types of knowledge and evidence. One approach to do so are IEAs which are based on a premise of EBM. IEAs and EBM require both social and natural sciences as well as engagement with stakeholders.	3.6, 6.6, 7.4	3 years	Peer-reviewed papers, ICES reports, workshops
b	Analyse how the use of behavioural economics can support IEA/EBM implementation	Policy evaluation in IEA requires insight into human behaviour in order to (1) predict how users respond to policy interventions, and (2) how stakeholders judge trade-offs between conflicting objectives.	6.3, 7.4, 7.5	Years 1,2,3	Peer-reviewed paper on behavioural economics for policy evaluation

c	Review and provide guidelines for conceptual modeling to assist Regional Seas WGs	Conceptual modeling, including through the use of, for instance, Mental Modeler or Bow-Tie Analysis, can aid scientists from different fields, as well as scientists and stakeholders, to facilitate improvements to their IEA activities.	5.3, 6.2, 7.5	Year 1, 2, or 3	At least one workshop with one or more ICES Regional Seas or other IEA-related WGs
d	Evaluate the current use of ICES IEAs in support of management and advice	ICES has prioritized the use of IEAs, e.g., in the Regional Seas WGs, as a tool for understanding tradeoffs in fisheries policies.	1.9, 3.2, 6.1	Years 1,2	Peer-reviewed paper on the current status of IEAs in the regional seas WGs
e	Apply Social Network Analysis as a tool to assess ICES network connectivity and preparedness to address IEAs and the ICES Science Plan	Review of existing SNA paper drafts and relevant reports from previous WGMARS work; finish and submit the current SNA draft that was initiated with the ICES Science Fund; initiate updated analyses for ICES IEA EGs.	6.3, 7.4, 7.5	Years 1,2,3	Peer-reviewed paper on the SNA of ICES
f	Analyse and compare the implementation and linkages of IEA/EBM/MSP and fisheries in the EU, individual European member states, and the US	ICES supports the use of EBM and IEAs, while many EU states support MSP. There is a need to connect science done for both purposes and IEA (supported by ICES) is a tool that could be used with either EBM or MSP.	7.4, 6.1, 6.6	Years 1,2	ICES Report

Summary of the Work Plan

Year 1	Map the use of EBM, IEA, and MSP in a variety of contexts.
Year 2	Explore techniques for understanding stakeholder behaviour as well as facilitating stakeholder involvement.
Year 3	Explore uses of our work and how ICES stakeholders interact to support ICES advice.

Supporting information

Priority	The current activities of this Group will lead ICES into issues related to the ecosystem effects of fisheries and ecosystem-based maritime management, especially with regard to the integration of different sustainability dimensions in the consideration of human maritime activities. Consequently, these activities are considered to have a very high priority.
Resource requirements	Resource requirements are covered by WGMARS members, including through already funded projects and in some cases with institutional support.
Participants	The Group is normally attended by some 10-15 members and guests.
Secretariat facilities	None.
Financial	No financial implications.

Linkages to ACOM and groups under ACOM	There are no obvious direct linkages.
Linkages to other committees or groups	There is a very close working relationship with the IEASG. WGMARS is also very closely connected to the Strategic Initiative on Human Dimensions and involved in its activities.
Linkages to other organizations	WGMARS is very relevant to the Regional Seas Working Groups, and involved in Workshops such as WKINWA, WKBESIO, WKCONSERVE, and others. WGMARS reaches out to various stakeholders and EBM professionals outside of ICES.
