ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors (WGBOSV)

2015/MA2/SSGEPI05 The ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors (WGBOSV), chaired by Sarah Bailey, Canada, will work on ToRs and generate deliverables as listed in the Table be-

low.

	MEETING DATES	VENUE	R EPORTING DETAILS	Comments (change in Chair, etc.)
Year 2016	14–16 March	Olbia, Italy	Interim report by 15 April to SSGEPI	
Year 2017	15–17 March	Woods Hole, USA	Interim report by 25 April to SSGEPI	
Year 2018	5–7 March	Madeira, Portugal	Final report by 25 April to SCICOM	

ToR descriptors

ToR	DESCRIPTION	BACKGROUND	SCIENCE PLAN TOPICS ADDRESSED	DURATION	Expected Deliverables
a	(identify and develo collaborative activitie advance and standardiz methods, etc.) to advance research and addres knowledge gaps throug review of national activitie	ng ICES strategic plan Goal 2: pp understand the relationship rs, between human activities ze (e.g., shipping) and marine ce ecosystems to estimate ss pressures and impacts, and ch develop science-based es sustainable pathways; and w Goal 3: Evaluate and advise on options for the sustainable use and protection of marine ecosystems. Potential advice requests from agencies such as OSPAR.	17, 25, 27	3 years	Report to ICES. Respond to advice requests, as applicable.
b	collection and analysis of ballast water samples the inform national and/of international procedures for compliance testing of balla	or The Convention for the of Control and Management of to Ships' Ballast Water and or Sediments, (2004) (BWMC) or aims to minimize the st transfer of harmful aquatic a organisms with the ballast water from ships. It is imperative that the BWMC is implemented in a scientifically valid and standardized way globally. There are science and advisory requirements related to validated methods and procedures.	17, 27, 31	3 years	Comparative methods mnauscript submitted to a peer-reviewed scientific journal

с	Evaluate methods for, and As previous outcomes of, type approval and operational testing of ballast water management systems to inform national and/or international procedures for type approval of such systems	17, 27, 31	3 years	Continued exchange of information with other scientific organizations examining such methods via correspondence.
d	Investigate and evaluate This work will be can climate change impacts on jointly with W the establishment and Contributes to SICC spread of ship-mediated ICES high-priority nonindigenous species, area 'Arctic research' particularly with respect to the Arctic	GITMO. ME and	3 years	At least one manuscript submitted to a peer- reviewed scientific journal evaluating risk of ship- mediated invasions to the Arctic
e	biofouling issues is	primay r. As invasion effective of new dressing	3 years	Input on the general applicability or otherwise of such methods/technologies to IMO or national regulators through meeting participation, correspondence group and/or technical paper
f	Evaluate the current This work will be can role/importance of shipping jointly with WGITH in relation to other invasion invasion of non-inc vectors/pathways globally species is truly of nature, such a review have global c Although shipping H claimed as the important invasion	MO. As ligenous global v should overage. nas been most vector, regional also	3 years	Review manuscript submitted to a peer- reviewed scientific journal

Summary of the Work Plan

Year 1	Working on all ToRs, but with special focus on ToRs a, c, and d.
Year 2	Working on all ToRs, but with special focus on ToRs b, e, and f.
Year 3	Report on all ToRs

Supporting information

Priority	The work of the Group forms the scientific basis for essential advice related to the movement of harmful aquatic organisms and pathogens via ballast water and other shipping vectors. As a joint working group it also follows and supports related work within the IMO and IOC.
Justification of venue (in a non-ICES member country)	As marine bioinvasions and their management is a global issue, WGBOSV/WGITMO are continuously aiming to enhance connections with scientists from non-ICES area from various regions and seas globally. In order to continue strenghtening cooperation with the Mediterranean Sea scientists, who annually participate in

	WGITMO meetings, and to fulfil MoU between ICES and CIESM, WGBOSV/WGITMO will meet in 2016 in Italy.		
Resource requirements	The research programmes which provide the main input to this group are already underway, with resources provided by national governments and scientific funding agencies. The additional resources required to undertake activities in the framework of this group are negligible.		
Participants	The Group is normally attended by some 25-35 members and guests, but has more than 65 members in total.		
Secretariat facilities	None.		
Financial	No financial implications.		
Linkages to ACOM and group under ACOM	The group will serve as primary respondent to incoming advice requests on various issues related to ship-mediated introductions.		
Linkages to other committees of groups	nkages to other committees (There is a very close working relationship with WGITMO. Potential or occasional oups linkage with WGBIODIV, WGHABD, WGIMT, WGMABS, WGPME and WGZE.		
Linkages to other organizations	International Oceanographic Commission (IOC), International Maritime Organization (IMO), North Pacific Marine Science Organization (PICES). In addition, the outcomes are relevant to other national and international organizations involved in the development of regulatory policies.		