

Working Group on Socio-Economic Dimensions of Aquaculture (WGSEDA)

2020/FT/ASG01 The Working Group on Social and Economic Dimensions of Aquaculture (WGSEDA), chaired by Gesche Krause, Germany and Cornelia Kreiss, Germany, will work on ToRs and generate deliverables as listed in the Table below.

	MEETING DATES	VENUE	REPORTING DETAILS	COMMENTS (CHANGE IN CHAIR, ETC.)
Year 2021	3-7 May	Castletownbere, Ireland/Virtual	Interim report by 21 May to ASG	
Year 2022	May	Spain (TBD)	Interim report by Date Month May to ASG	
Year 2023	May	France (TBD)	Final report by Date Month May to ASG	

ToR descriptors

ToR	DESCRIPTION	BACKGROUND	SCIENCE PLAN CODES	DURATION	EXPECTED DELIVERABLES
a	Identify and develop methods to determine the socio-economic effects of aquaculture	Social and cultural aspects of aquaculture production are an understudied subject. Methods of how to capture and document observations on socio-economic effects of that aquaculture development are still emerging, especially in relation to how to address these social effects across different scales and contexts of the industry. Links to Science plan topic "Sea and society".	7.1, 7.2	3 years	Summary within Report, Research paper on potential improved sustainability outcomes by regionalization of aquaculture across the value chain and across the different sustainability dimensions.

b	<p>Identify trajectories and monitor emerging issues of socio-economic concerns of aquaculture development</p>	<p>Continuous TOR to identify the emerging socio-economic issues of aquaculture and related science advisory needs for maintaining the sustainability of living marine resources and the protection of the marine environment on a regular basis. Further, factors causing an aquaculture system to garner social opposition/acceptance and if these factors are shared or differ across different aquaculture systems and countries. Links to Science plan topics “Seafood production”, “Emerging techniques and technologies” and “Sea and society”.</p>	4.5, 5.8, 7.1	3 years	<p>Summary within Report, Research paper on collated case studies that capture crucial issues of social opposition/acceptance of aquaculture across ICES member states.</p>
c	<p>Review governance and economic interventions important for socio-economic dimensions of aquaculture and its future development</p>	<p>Aquaculture scenario development needs to include policies and perceptions (i.e. social drivers) and economic constraints. The latter is closely linked to governance interventions that are not always cost-effective or meaningful to boost sustainability effects of aquaculture. The review aims to make trade-off decisions more consistent and easier to perform, and to suggest more contextualised aquaculture policies and measures. Links to Science plan topics “Conservation and management science” and “Sea and Society”.</p>	6.2, 7.4	3 years	<p>Summary within Report, Review on governance and economic interventions important for socio-economic dimensions of aquaculture.</p>

d	Explorative cost-benefit analysis of genetic methods with emphasis on SME and conservation program broodstocks dedicated to aquaculture or natural population enhancement.	Managing genetic relationships and diversity within broodstock enables a long-term basis for both selection of improved food fish material for aquaculture production and supportive augmentation of natural populations. The loss of genetic variability due to inbreeding is detrimental for the cost-effectivity of re-stocking and it may even be impossible to retrieve variability again from the wild. While the use of genetic tools is part of day-to-day routines in large breeding companies, the lack of logistically feasible and cost-effective tools has so far prevented proper broodstock genetic management in SME's and conservation programs. This ToR is planned as a shared ToR between WGAGFA and WGSEDA and has linking points to WGs with fish stock conservation focus (e.g. WGNAS) and contributes to the Science Plan topics "Emerging techniques and technologies", "Seafood production" and "Sea and Society".	4.4., 5.5, 7.6	1 (initially appointed for 1 year, but reserving the possibility to extend further)	Explorative study on market availability for genetic breeding consultation and genotyping services, evaluating the occurring costs and contrasting these to their benefits in report form.
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Summary of the Work Plan

Year 1	Finalize research paper on potential improved sustainability outcomes by regionalization of aquaculture across the value chain and across the different sustainability dimensions (ToR a), discuss emerging issues of socio-economic concerns of aquaculture development (ToR b) and work on research paper on collated case studies that capture crucial issues of social opposition/acceptance of aquaculture across ICES member states (ToR b) as well as start working on the review on governance and economic interventions important for socio-economic dimensions of aquaculture (ToR c). Conducting an explorative cost-benefit analysis of genetic methods as described in ToR d.
Year 2	Finalize research paper on social opposition/acceptance of aquaculture (ToR b) discuss and collate emerging issues of socio-economic concerns of aquaculture development (ToR b) and continue work on the review on governance and economic interventions important for socio-economic dimensions of aquaculture (ToR c).
Year 3	Discuss emerging issues of socio-economic concerns of aquaculture development (ToR b) and finalize review paper on methods to address socio-economic dimensions of aquaculture (ToR c).

Supporting information

Priority	The current activities of this Group will lead ICES into issues related to the impacts of seafood production (aquaculture) on society focusing on economic and social aspects. Consequently, these activities are considered to have a very high priority.
Resource requirements	The 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	The Group is normally attended by some 8-16 members and guests. During the virtual meeting in 2020, 25 members/guest attended.
Secretariat facilities	None.
Financial	No financial implications.
Linkages to ACOM and groups under ACOM	ACOM, WGEIA
Linkages to other committee: or groups	Through the shared ToR a close working relationship will be build up with WGAGFA. It is also very relevant to the Working Group on WGSOCIAL, WGSCENARIO, WGICZM, WGMSP.
Linkages to other organizations	