

**Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem (WGEXT)**

**2016/MA2/SSGEPI05** The Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem (WGEXT), chaired by Ad Stolk, The Netherlands, will work on ToRs and generate deliverables as listed in the Table below.

	MEETING DATES	VENUE	REPORTING DETAILS	COMMENTS (CHANGE IN CHAIR, ETC.)
Year 2017	24–27 April	London, UK	Interim report by 30 June to SSGEPI	
Year 2018			Interim report by XXX to SSGEPI	
Year 2019			Final report by XXX to SCICOM	

**ToR descriptors**

ToR	DESCRIPTION	BACKGROUND	SCIENCE PLAN		EXPECTED DELIVERABLES
			TOPICS ADDRESSED	DURATION	
A1	Review data on marine extraction activities. Provide a summary of data on marine sediment extraction for the OSPAR region to OSPAR.	a) OSPAR Requirements b) Advisory Requirements c) Inform other countries to optimize their policy and management	EPI 11 IEA 20	yearly	Annual extracted volumes and areas as a chapter in all Interim and Final Reports
A2	Review of development in marine resource mapping, legal regime and policy, environmental impact assessment, research and monitoring and the use of the ICES Guidelines on Marine Aggregate Extraction.	a) Advisory Requirements b) Inform other countries to optimize their policy and management	IEA 18, 20 IEOM 25, 27	Year 3	chapter in Final Report
B	Create an ICES aggregate database comprising all aggregate related data, including scientific research, EIA, licensing and monitoring data.	a) Advisory Requirements b) Inform other countries to optimize their policy and management c) Cooperation with other WG's d) Link to ICES database	EPI 11 IEA 20	Year 1,2,3	Year 1: review and validation historical data Year 2: finalise template for approval ICES Data Centre Year 3: template to ICES countries
C	Incorporate MSFD into WGEXT	a) Advisory Requirements b) Inform other countries to optimize their policy and management c) Tuning WGEXT and ICES guidelines with EU guidelines	EPI 11, 14 IEA 18	Year 2 and 3	Year 2 and 3: participation in ICES workshops on MSFD D6 Year 3: review of ICES Guidelines on Marine Aggregate Extraction
D	Ensure outputs of the	a) Inform other countries	EPI 14	Years 2,3	Year 2: submitting

	WGEXT are accessible by publishing as a group and creating a webpage on the ICES website.	to optimize their policy and management b) Contribute to the visibility and impact of ICES	IEA 20		review manuscript on MSFD to a peer-reviewed journal Year 3: submitting manuscript on intensity of extraction to a peer-reviewed journal
E	Discuss the mitigation that takes place across ICES countries and where lessons can be learned or recommendations taken forward	a) Advisory Requirements b) Inform other countries to optimize their policy and management	EPI 12 IEA 19 IEOM 27	Year 2 and 3	Year 2: specific inventory on mitigation in ICES countries Year 3: evaluation and assessment of mitigation measures
F	Study the implications of the growing interest in deep sea mining for the WGEXT (legislation, environmental, geological)	a) Initiate the incorporation of this coming issue within ICES b) Inform other countries to optimize their policy and management	EPI 11, 12, 14	Year 1,3	Year 1: inventory of marine mineral mining by ICES countries Year 1: poll to ICES countries concerning policy and legislation on deep sea mining Year 3: report on the assessment of outcome of inventories
I	Cumulative assessment guidance and framework for assessment should be developed.	Contribute and working together with possible other ICES and OSPAR WG's that are involved in this subject	EPI 11 IEA 18, 19, 23 IEOM 27	Year 1,3	Year 1: contacting OSPAR and ICES working groups on the incorporation of marine sediment extraction in cumulative assessments Year 3: finalise the definition of quantification of dredging intensity Year 3: report on examples and a general methodology to incorporate marine sediment extraction in Cumulative Impact Assessments
K	Impacts of marine aggregate extraction on fish and fisheries	Contribute and working together with possible other ICES WG's that are involved in this subject	EPI 11, 12 IEOM 25	Year 2,3	Year 2: report on the inventory of policy of ICES countries Year 3: review of research
L	Implications of Marine Spatial Planning on marine sediment extraction	a) Advisory Requirements b) Inform other countries to optimize their policy and management	EPI 14	Year 2,3,	Year 2: report on the inventory of ICES countries policy development Year 3: review report on the incorporation of marine sediment

### Summary of the Work Plan

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Year 1	A1, B, F, I
Year 2	A1, B, C, D, E, K, L
Year 3	A1, A2, B, C, D, E, F, I, K, L

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### Supporting information

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Priority	The current activities of WGEXT will lead ICES into issues related to the ecosystem effects of marine aggregate extraction. Aggregate extraction is increasing in some countries and rather stable in others. This activity is connected to several Descriptors in the EU MSFD. The Report of WGEXT and the Guidelines are used in the management of this activity in the member countries. Consequently, these activities are considered to have a high priority.
Resource requirements	Notice that the activities of WGEXT are focussed on the use of existing research programmes (e.g. EIA monitoring) and data on extraction and management. The additional resource required to undertake additional activities in the framework of this group is negligible
Participants	The Group is normally attended by some 12–20 members and guests.
Secretariat facilities	None.
Financial	No financial implications.
Linkages to ACOM and group under ACOM	There are no obvious direct linkages.
Linkages to other committees or groups	There is a potentially working relationship with all the groups of SCICOM. The coming years a cooperation with other WG's is planned on the subjects of cumulation of effects, create and use a database and the effects on fisheries. On deep sea mining there is cooperation with WGMS.
Linkages to other organization	Data on marine extraction are delivered to OSPAR

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