Call for expressions of interest with a view to drawing up lists of experts to assist in operational coordination and assistance in projects for EFCA on:

Sub-field: Capacity Building and Coastguard Related Functions

Sub-field: Fisheries Data and Control Technologies

External experts' fields

Capacity Building and Coastguard Related Functions

1	Coast Guard Functions expert	Coast Guard Functions (CGF)[1] expertise at national or EU level	Elaborating guidelines, procedures, handbooks and/or recommendations with a view to contribute to enhancing the exchange of information and cooperation on CGF at EU level and to support national authorities carrying out coastguard functions at national and EU level, and where appropriate, at international level. Specific tasks may cover cross sector cooperation in areas related to training, capacity building, risk assessment, multipurpose operations or operational coordination and cooperation.	• Practical CGF experience at national or EU level of at least 5 years; • Experience in drafting or contributing to the development of procedures or guidelines for one or several CGF or for cross-sector cooperation areas such as training, capacity building, risk assessment, multipurpose operation or operational coordination and cooperation.
2	Fisheries control and inspection technologies expert	Fisheries control and inspection expertise, including in particular expertise in inspection methodologies, Geographic	Contribute to tasks and projects related to (e.g.): – the development of methodologies for the use of control and inspection tools (i.e.	• Practical fisheries control experience at national or EU level of at least 5 years of activities related to:

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[1] I. Maritime safety, including vessel traffic management; II. Maritime, ship and port security; III. Maritime customs activities; IV. The prevention and suppression of trafficking and smuggling and connected maritime law enforcement; V. Maritime border control; VI. Maritime monitoring and surveillance; VII. Maritime environmental protection and response; VIII. Maritime search and rescue; IX. Ship casualty and maritime assistance service; X. Maritime accident and disaster response; XI. Fisheries inspection and control and XII. Activities related to the above CGF.

		Information System (GIS) and Earth Observation technologies	e-logbook, electronic mesh gauge, documental/forensic checks), – the development of methodologies to use air surveillance such as fixed wing aircrafts or remotely piloted aircraft systems and other non-space-based platforms, for fisheries control or other coast guard functions, – the development of methodologies/best practices for Earth Observation and remote sensing technologies, – the development of a maritime awareness picture and enhanced/automated methodologies for detection/identification and classification of possible non-compliance with specific rules of the Common Fisheries Policy, – applied Earth Observation technologies and innovative non-cooperative technologies, – the definition and implementation of secure SatCom technology in the MCS domain.	o Fisheries inspection methodologies, or o Fisheries control technologies in general, or, o Earth observation technologies, or o Development of a maritime awareness picture, or o Non-cooperative technologies, or o Secure SatCom systems. o Geographic information systems (GIS), or o Remotely piloted aircraft systems (RPAS), or o Sea surface and underwater drone technologies, or o High altitude pseudo satellites (HAPS) and tethered balloons, or o GNSS and other cooperative vessel positioning systems, or o Computer vision and pattern recognition, or o Information and social media analytics, or

				o DNA analysis, or
				o Fishing gear measurement technologies, or
				o Artificial Intelligence and big data technologies
3	Fisheries control and inspection (traceability, IUU, marketing, transport) expert	Fisheries control and inspection, including in particular expertise in traceability, fight against IUU, marketing and transport of fisheries products.	Development/updating of training products and/or the delivery of training in the required area of expertise. Preparation of and reporting on training events (individual or serial occasions), including the preparation of background papers, agendas and minutes.	Professional fisheries control and inspection experience of at least 5 years (or 5 consultancy projects) in the required area of expertise;
4	Fisheries Monitoring, Control and Surveillance (MCS) systems expert	Acquisition, deployment and exploitation of fisheries MCS systems, including platforms (fixed and mobile), sensors (radar, cameras, underwater), system integration, testing and evaluation, experience in fisheries monitoring, control, and surveillance.	Support the planning, acquisition and operative deployment of MCS systems. Technical assistance for setting-up or reinforcing Fisheries Monitoring Centres (FMCs).	Professional experience for at least 5 years (or 5 consultancy projects) in the required area of expertise. • Practical fisheries control and inspection experience for at least 5 years, (or 5 consultancy projects) and experience as Fisheries Monitoring Centre (FMC) operator.
5	Analysis techniques and risk management expert	Analysis techniques and risk management	Providing training on analytical skills and methodologies to facilitate high quality risk management to Member States or third countries.	• Professional experience of at least 5 years (or 5 consultancy projects) in the required area of expertise • Knowledge of capacity building and fisheries MCS basic concepts.
6	Training expert	Training design and adult education methodologies	Providing evaluations, studies, and support in relation to Sectoral Qualification Framework (SQF)	Professional experience for at least 5 years (or 5 consultancy projects) in the required area of expertise.

		developments and course design/training delivery.	

Fisheries Data and Control Technologies

Field No.	Name of field	Required area of expertise	Expected tasks (indicative list)	Specific fields
7	Fisheries scientist	Fisheries science, stock assessment, population dynamics models, species compositions and distribution, studies of exploited fish stocks and their interactions.	Assistance with estimation of catches components (e.g., discards of marine organism below minimum conservation reference size (MCRS). Assistance with the establishment of reference catch profile and estimation of wrongly recorded catches based on those references. Assistance in mapping reference catch component composition Support the analysis of available scientific or inspection data	• Practical experience for at least 5 years (or 5 consultancy projects) in fisheries science and population dynamics. • Proven experience with report writing, and providing guidance to public authorities on the development of methodological standards
8	Statistician/Fisheries modeller	Fish population analysis, catch statistics, fish stock models	Application of adequate statistical methods to different types of fisheries data sets	• Practical experience of application of statistical methodologies to different fields of fisheries; • Proven experience with report writing.
9	Fisheries economist	Socio-economic studies, profitability, market, and related analyses.	Preparing socio-economic studies applied to fisheries	• Practical experience of application of economic

Field No.	Name of field	Required area of expertise	Expected tasks (indicative list)	Specific fields
				analysis to different fields for at least 5 years, • Proven experience with report writing.
10	Fisheries and maritime law and policy specialist	Legislation / enforcement; policy development; CFP; best practices; Member State & Third Country domestic legal systems.	Assistance with legal analysis of fisheries and maritime law related issues, legal drafting/updating, and policy reports	• At least bachelor level of law degree and practical experience for at least 5 years (or 5 consultancy projects) with law enforcement; • Knowledge of fisheries MCS basic concepts.
11	Fisheries GIS and Geospatial Data Infrastructure specialist	Geographic Information Systems, expertise with new data sources, software, and organizational tools.	GIS applications in fisheries	Practical experience of application of GIS, some knowledge in applications to fisheries for at least 5 years.
12	Fisheries monitoring technologies specialist	Experience with REM systems applied to fisheries control, expertise in the setup and implementation of REM systems, also expertise on collecting, exchanging and analysing CCTV and sensor data..	Assistance in developing minimum technical requirements and guidelines for implementation of REM in fisheries. Assistance in drafting other guidelines (data analysis) and on evaluating REM pilot projects.	Practical experience in participating and/or running REM programmes in fisheries for at least 5 years.
13	Fisheries control data and fisheries control information systems specialist	Business analysis and documentation related to the implementation of data exchange standards and software specifications.	Data analysis and software specifications.	Practical experience of analysis and software specifications to different fields for at least 5 years, proven experience with report writing.
14	Marine engineer	Expertise on vessels' engines, preferably fishing vessels	Assist with physical verifications of engine power and related tasks	Experience for at least 5 years (or 5 consultancy projects) in monitoring fishing or other type of vessels engine power