



EUROPEAN
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ANNEX 1

ANNEX

to the

COMMISSION IMPLEMENTING DECISION

**amending Decision C(2015) 8729 of 11 December 2015 concerning the adoption of the
work programme for 2016 and the financing decision for the implementation of the
European Maritime and Fisheries Fund**

ANNEX

Amendment n° 2 to work programme 2016 EMFF

1.1. Introduction

On the basis of the objectives set out in the Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund this amendment n° 2 to work programme contains the actions to be financed and the budget breakdown for year 2016 as follows:

- for grants (implemented under direct management) (1.2)
- for procurement (implemented under direct management) (1.3)
- for other actions (implemented under direct management) (1.4)

1.2. GRANTS

1.2.1. Budget Heading 11 06 61

FOSTERING THE DEVELOPMENT AND IMPLEMENTATION OF THE UNION'S INTEGRATED MARITIME POLICY (IMP)

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 81, 82, and 83 thereof.

1.2.1.9. Implementation of the Common Information Sharing Environment (CISE): Ensuring interoperability of National IT Systems within and across borders

Point 1.2.1.9 is modified as follows:

Type	Action grant following a call for proposals
Budget	€ 1.430.000
Priorities of the year, objectives pursued and expected results	<p>Maritime surveillance efficiency and cost-effectiveness can be improved, through better maritime awareness. The Common Information Sharing Environment (CISE) for the surveillance of the EU maritime domain is a voluntary collaborative process aiming to provide authorities, interested or active in maritime surveillance, with improved means to enhance the exchange of information and data. It facilitates the interoperability between existing surveillance systems and networks in order to give all concerned authorities access to the information they justifiably need for their missions at sea.</p> <p>This action seeks in particular to implement action 3 of section 4 of the Commission Communication (2014)451 final which states that "<i>Member States should in parallel be encouraged to continue to work on modernising their maritime surveillance IT set up, where there is a need, and further enhance information sharing between authorities involved in maritime surveillance</i>".</p> <p>The action thus also seeks co-financing efforts to set up new (CISE) information flows / information services at national level across sectors and borders (excluding any possible double financing of activities by authorities participating in the</p>

	<p>'EUCISE2020' project co-financed under FP7). While the 'EUCISE2020' should provide large-scale tests across the EU/EEA, the present action should kick-start the development and implementation of particular new (CISE) information flows / information services between authorities wishing to proceed.</p> <p>Three Commission Communications, several related Council Conclusions and the European Maritime Security Strategy Action Plan (EUMSS-AP) envisage the development and implementation of the Common Information Sharing Environment (CISE). The action is an essential element to help Member States implement CISE.</p> <p>The main objective of this action is to support efforts in the Member States and EEA countries to inter-connect national maritime IT systems with the aim of enhancing cross-sectoral automatic information sharing, both nationally and across borders.</p> <p>A particular objective of the present call is to kick-start the development and implementation of new (CISE) information flows / information services at national level across sectors and borders.</p> <p>The concerned sectors are: maritime safety and security, fisheries control, marine environment protection, customs, border control, general law enforcement and defence.</p> <p>Furthermore, the grant will support the setting up and testing of CISE interoperability solutions at national level. Such actions can include or can be limited to preparatory work (e.g. studies).</p> <p>The action should result in increased interoperability between national maritime surveillance authorities and in new (CISE) information flows / information services to be developed and/or implemented.</p> <p>Projects must take due account of the existing and forthcoming cross-sectoral information systems and especially systems laid down by EU law such as those referred to in the said Communication, inter alia the INSPIRE directive 2007/2/EC and its implementing regulations. The use of semantic and technical specifications of CISE to ensure an effective interoperability is encouraged.</p> <p>Applicants will also be encouraged to make use of other interoperability solutions developed in the CISE programme and should take due account of existing interoperability solutions in EU law.</p> <p>The Commission estimates that up to 6 projects may be supported under this action.</p>
Essential eligibility, selection and award criteria	<p>Eligibility criteria:</p> <p>Applicants must be public authorities of EU Member States or EEA countries. Private, non-governmental, international, regional, research or other organisations can participate as well as partners.</p>

	<p>Selection criteria:</p> <p>Applicants must have the financial and operational capacity required to implement and complete the proposed project.</p> <p>Award criteria:</p> <ul style="list-style-type: none"> • Relevance to the objectives of the call. • Added value and innovation regarding the expected increase of efficiency and effectiveness in maritime surveillance duties. • Appropriate and clear methodology ensuring that the project implementation is coherent, realistic and feasible in terms of actions and timetable. Effectiveness of the proposed project organisation and management of resources. • Dissemination, sustainability and transferability of the expected results.
Implementation	The action will be implemented by EASME.
Cofinancing involved	Maximum 80%
Indicative timetable	Call for proposals to be launched in the 4 th quarter of 2016.

A new action 1.2.1.12 is added:

1.2.1.12. Nautical Routes for Europe

Type	Action grant following a call for proposals
Budget	€ 1.500.000
Priorities of the year, objectives pursued and expected results	<p>In February 2014, the Commission adopted a Communication on "A European Strategy for more Growth and Jobs in Coastal and Maritime Tourism". This Communication highlighted the importance of diversifying the coastal and maritime tourism offer as a way to increase the competitiveness of the sector and tackle seasonality. It further underlined the value of innovative tourism products, as transnational thematic routes, as a fundamental tool for the touristic promotion of our coastal regions and as a means to increase the competitiveness of the coastal and maritime tourism sector in Europe.</p> <p>The main objective is to support the development of transnational thematic tourism products and their promotion through the creation of touristic thematic routes in coastal regions in the areas of nautical tourism, and/or nautical and aquatic sports tourism. The products developed should aim at promoting these two segments of tourism (nautical tourism and/or nautical and aquatic sports tourism), which they could combine with other relevant tourism segments such as seafood and wine tourism, culture tourism, health and wellbeing tourism. The routes created by the</p>

	<p>projects must be innovative in the sense that they represent a diversification of the coastal and maritime tourism offer in Europe.</p> <p>This action will involve the conception, development, establishment and promotion of transnational tourism products and related thematic promotional routes in European coastal areas (following Eurostat definition, referring to regions with 50% of their surface within a distance of 10km from the sea).</p> <p>The Commission estimates that up to 5-6 projects may be supported under this action.</p>
Essential eligibility, selection and award criteria for grant with a call for proposal	<p>Eligibility criteria Project applicants must be established in an EU Member state or a non-EU country participating in the EU macro-regional strategies or sea-basin strategies. To be eligible, the proposal must include a transnational partnership with applicants from at least 2 different eligible countries as described above, of which at least one must be an EU Member State. The lead partner has to be established in an EU Member State. Project applicants must be public authorities in charge of maritime affairs and/or tourism and/or private sector stakeholders involved in those areas of activity.</p> <p>Selection criteria Applicants must have the financial and operational capacity required to implement and complete the proposed project.</p> <p>Award criteria</p> <ul style="list-style-type: none"> - Relevance of the proposal: relevance of the proposal and its expected results to the objectives of the action; - Project design and implementation: quality and coherence of the activities with the established objectives, needs and expected results, appropriate and balanced allocation of tasks and resources, cost-effectiveness and adequate risk management; - Impact: Dissemination, sustainability and transferability of the activities and expected results.
Implementation	This action will be implemented by EASME
Cofinancing involved	Maximum 80%
Indicative timetable	Call for proposals to be launched in the 4th quarter of 2016.

1.2.3. Budget Heading 11 06 62 03

VOLUNTARY CONTRIBUTIONS TO INTERNATIONAL ORGANISATIONS

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 85 (c) and 88.
- Article 190 (1) (c) of the rules of application for the Financial Regulation. (RFMOs and international organisations have the monopoly for the implementation of the actions)

1.2.3.7. Convention on Future Multilateral Cooperation in the Northwest Atlantic Fisheries (NAFO)

(a) Support for intersessional work by NAFO bodies and working groups

Point 1.2.3.7. (a) is deleted.

(b) Support to NAFO Annual Meeting

Point 1.2.3.7. (b) is deleted.

1.2.3.9. Food and Agriculture Organisation of the United Nations (FAO)

Council Decision of 25 November 1991 on the accession of the European Community to the Food and Agriculture Organisation of the United Nations (FAO).

(b) Contribution to the General Fisheries Commission for the Mediterranean (GFCM) to support the work of the GFCM Task Force

Point 1.2.3.9. (b) is modified as follows:

Type	Action grant without a call for proposals
Budget	€ 800.000
Priorities of the year, objectives pursued and expected results	<p>Improving the situation of the Mediterranean and Black Sea capture fisheries and aquaculture is a priority. The General Fisheries Commission for the Mediterranean (GFCM) therefore assists DG MARE in defining and implementing the multiannual fisheries management plans in the GFCM area of competence, reinforcing compliance with GFCM decisions by Members and relevant non-Members and supporting the GFCM in fostering a sustainable aquaculture development in the region.</p> <p>The implementation of the GFCM activities has been planned and agreed for the inter-sessional period according to the priorities identified and agreed during the 39th and 40th Sessions of the GFCM. These preparatory actions will allow Members to adequately prepare for recommendations to be submitted to the 41th session of the GFCM for which appropriate support will be provided for the organisation of specific meetings, workshops and seminars.</p>
Aaward criteria	Relevance of the application with the pre-defined objectives and cost-effectiveness of the action.
Implementation	The action will be implemented by DG MARE.
Cofinancing involved	Maximum 85%
Indicative timetable	Grant agreement to be concluded in the 3 rd quarter of 2016.

(c) Regional Projects: contributions to the EASTMED, MEDSUDMED, ADRIAMED, COPEMED and other projects

Point 1.2.3.9. (c) is modified as follows:

Type	Action grant without a call for proposals
Budget	€ 2.000.000
Priorities of the year, objectives pursued and expected results	<p>This grant will co-finance the implementation of the FAO Regional projects, such as, EASTMED, ADRIAMED, COPEMED, MEDSUMED and other programmes, which are aimed at developing a common framework for cooperation between coastal states of the Mediterranean and Black Sea to enable the common management of fish stocks in these regions.</p> <p>These regional projects aim at improving the provision and sharing of scientific work and data with non-EU partner countries and contribute to the enhancement of their capacity in participating actively in the relevant regional frameworks for sustainable fisheries management.</p> <p>Expected results: contribution to establish a sound scientific basis for better organised fishing in these regions and sustainable management of resources using an ecosystem approach.</p>
Award criteria	Relevance of the application with the pre-defined objectives and cost-effectiveness of the action.
Implementation	The action will be implemented by DG MARE.
Cofinancing involved	Maximum 85%
Indicative timetable	Grant agreement to be concluded in the 3 rd quarter of 2016.

1.2.3.9. A new action 1.2.3.9. (g) is added:

(g) Contribution to the General Fisheries Commission for the Mediterranean (GFCM) to support selected actions in the implementation of the GFCM workprogram 2016-2017

Type	Action grant without a call for proposals
Budget	€ 2.100.000
Priorities of the year, objectives pursued and expected results	<p>Improving the situation of the Mediterranean and Black Sea capture fisheries and aquaculture is a priority. The General Fisheries Commission for the Mediterranean (GFCM) therefore assists DG MARE in defining and implementing the multiannual fisheries management plans in the GFCM area of competence, reinforcing compliance with GFCM decisions by Members and relevant non-Members and supporting the GFCM in fostering a sustainable aquaculture development in the region.</p> <p>The GFCM is developing a mid-term strategy towards the sustainability of Mediterranean and Black Sea fisheries. This strategy consists of a multiannual plan that would put in place a strategy to reverse the declining trend of fish stocks, improve</p>

	<p>scientific advice, support coastal communities and small-scale fishing (support would not involve income support), ensure a level playing field and curb IUU fishing, improve the health of marine ecosystems and improve national fisheries management capacities through international cooperation and development support. The GFCM action is in line with the conclusions of the EU Seminar in Catania (February 2016) and the Ministerial Conference in Brussels (April 2016) and would be supported by the increase of the EU voluntary contribution to GFCM. This contribution should cover specific actions (workshops, meetings, scientific campaigns and surveys, development of scientific models/national and regional management plans and plans of actions, infrastructures, trainings and capacity building)</p> <p>The strategy is divided into 5 targets, selected outputs and proposed actions relating to :</p> <ul style="list-style-type: none"> - Reverse the declining trend of fish stocks through strengthened scientific advice in support of management; - Support livelihoods for coastal communities through sustainable small-scale fisheries; - Curb illegal unreported and unregulated (IUU) fishing, through a regional plan of action; - Minimize and mitigate unwanted interactions between fisheries and marine ecosystems and environment; - Enhance capacity-building and cooperation; <p>The implementation of the GFCM activities has been planned and agreed for the inter-sessional period according to the priorities identified and agreed during the 40th Sessions of the GFCM and further defined during a intersessional meeting in September 2016.</p>
Award criteria	Relevance of the application with the pre-defined objectives and cost-effectiveness of the action.
Implementation	The action will be implemented by DG MARE.
Cofinancing involved	Maximum 85%
Indicative timetable	Grant agreement to be concluded in the 4th quarter of 2016.

1.2.3.10. Convention on the Conservation and Management of High Seas Fishery Resources in the South Pacific Ocean (SPRFMO)

Council Decision of 3 October 2011 on the approval , on behalf of the European Union, of the Convention on the Conservation and Management of High Seas Fishery Resources in the South Pacific Ocean (2012/130/EU), (OJ L 67, 6.3.2012, p.1)

A new action 1.2.3.10. (b) is added:

- (b) **SPRFMO - Development and installation of a Vessel Monitoring System solution that will enable the SPRFMO to receive, administer and store VMS reports.**

Type	Action Grant without a call for proposals
Budget	€ 80.000
Priorities of the year, objectives pursued and expected results	At its 2017 Annual Meeting the SPRFMO Commission will select a provider for the implementation of a Vessel Monitoring System (VMS) technical solution. A VMS system allows the real time monitoring of vessels operating in the SPRFMO Convention area which is a fundamental tool to combat IUU fishing and ensure compliance with the management and conservation measures adopted by SPRFMO, in line with the EU policy priorities. The grant will ensure that SPRFMO has the means to equip itself with the technological equipment needed.
Award criteria	Relevance of the application with the pre-defined objectives and cost-effectiveness of the action.
Implementation	The action will be implemented by DG MARE.
Cofinancing involved	Maximum 80%
Indicative timetable	Grant agreement to be concluded in the 4th quarter of 2016.

A new action 1.2.3.11. is added

1.2.3.11. Convention on Migratory Species (CMS) – Development of a communication strategy for the Memorandum of Understanding for the Conservation of Migratory Sharks
Council Decision 82/461/EEC of 24 June 1982 on the conclusion of the Convention on the conservation of migratory species of wild animals (OJ L210, 19.7.1982, p.10).

Type	Action Grant without a call for proposals
Budget	€ 40.000
Priorities of the year, objectives pursued and expected results	<p>This voluntary contribution will support the work of the intersessional working group that was established to develop the communication strategy called for in the Programme of Work that was adopted by the 2nd Meeting of Signatories of the Sharks Memorandum of understanding (MoU).</p> <p>It will support in particular the development of a communication and awareness-raising strategy which may include:</p> <p>Developing a distinct visual identity for the Sharks MOU; · Developing a distinct website for the sharks MOU; Developing a distinct email address; Outreach to relevant bodies and organizations, in consultation with Signatories;</p>

	Outreach, in consultation with Signatories, to Non-Signatory Range-States and in particular those that display significant catches, trade and consumption of sharks
Award criteria	Relevance of the application with the pre-defined objectives and cost-effectiveness of the action.
Implementation	The action will be implemented by DG MARE.
Cofinancing involved	Maximum 80%
Indicative timetable	Grant agreement to be concluded in the 4th quarter of 2016.

1.2.5. Budget Heading 11 06 62 02

CONTROL AND ENFORCEMENT

Legal basis:

Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, in particular Article 87 (2) and (4).

1.2.5.1. Chartering/purchase of patrol vessels, aircraft and helicopters for control

Point 1.2.5.1. is deleted.

1.3. PROCUREMENT

1.3.1. Budget heading 11 06 61

FOSTERING THE DEVELOPMENT AND IMPLEMENTATION OF THE UNION'S INTEGRATED MARITIME POLICY (IMP)

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 81, 82 and 83 thereof.

1.3.1.1. Emerging pressures, human activities and cost-effective measures in the Marine Environment

Point 1.3.1.1. is modified as follows:

Subject matter of the contracts envisaged	Origin, extent and possible measures in relation to emerging pressures on the marine environment, in particular marine litter, underwater noise or invasive species, etc., or emerging sectors such as those promoted in the context of Blue Growth where there is increasing impact on the marine environment addressing a cross-sector concern in the framework of the ecosystem approach (link to descriptors in Annex I of MSFD). Their impact on the marine environment and in particular on marine protected areas and possible measures at global, EU and (sub-) national
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	<p>level should be identified as well as possible innovative solutions to prevent or mitigate these impacts.</p> <p>The work will be linked to the evaluation of the programmes of measures that Member States will be sending to the Commission in 2016 in line with the Marine Strategy Framework Directive, or particular issues notified to the Commission in the context of Article 15 of that Directive. This could include, in particular, action in relation to marine litter and the proposed marine litter target, such as microplastics, underwater noise or pressures that impact the seafloor.</p> <p>The actions will also include, as a component, best practice exchange on the basis of existing regulatory regimes, development of a first step towards a model toolbox linked to the Descriptors of GES, to pressures and to other relevant elements to support marine policy implementation and development.</p>
Type of contract	Specific contract(s) will be concluded as part of the existing Framework Contract ENV.D2/2012/0025 or the new FWC that will replace it (as the current one ends in October 2016), and/or any other appropriate FWC and /or contracts resulting from procurement procedures (open calls).
Indicative Budget	€ 850.000
Implementation	This action will be implemented through a co-delegation to DG ENV.
Indicative timetable	Specific(s) contract(s) to be concluded throughout 2016.

1.3.1.3. Integrated maritime surveillance communication strategy

Point 1.3.1.3. is deleted.

1.3.1.5. Assistance Mechanism for the implementation of Maritime Spatial Planning (MSP)

Point 1.3.1.5. is modified as follows:

Subject matter of the contracts envisaged	<p>The Assistance Mechanism supports the Member States, facilitating implementation of the Maritime Spatial Planning (MSP) Directive. The support includes technical studies focused on added value, dissemination of information about best practices for each requirement of the MSP Directive as well as about funding sources, bringing together potential project partners and providing necessary guidance.</p> <p>A "focal point service" in the sea basins, providing guidance and information to stakeholders, is a key element of this support. It includes a dedicated website with a FAQ corner.</p> <p>The Assistance Mechanism will be taking into account any developments undertaken through the predecessor contracts.</p> <p>In addition, the Assistance Mechanism is supporting the European Commission with the organisation of workshops, conferences and the running of the Member State Expert Group on MSP.</p> <p>The Assistance Mechanism call for tenders MARE/2014/23 led to the signature of a service contract on December 18 2015 for a duration of one year. This contract (EASME/EMFF/2014/1.3.1.7) is annually</p>
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	renewable for a maximum of four years. In case of renewal of the contract, this will be the second renewal, to cover the period December 2017-December 2018.
Type of contract	Service contract
Indicative Budget	€ 1.117.760
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be launched in 4th quarter of 2016 or contract renewal to be done in the 4th quarter of 2017.

1.3.1.6. International Oceans Governance – Scientific Support

Point 1.3.1.6. is modified as follows:

Subject matter of the contracts envisaged	In a time of ever-increasing economic use of the oceans, improving international oceans governance is a priority for the European Commission, by means of strengthening the framework, mechanisms and tools to keep the oceans healthy, safe and clean whilst creating a stable investment environment for maritime economic activities. Scientific support will be useful to further evaluate policy and define options for the EU together with Member States in the field of international oceans governance.
Indicative Budget	€ 250.000
Type of contract	Service contract.
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be published in the 4th quarter of 2016.

1.3.1.7. Development and implementation of integrated governance of maritime and coastal affairs and visibility of the IMP

Point 1.3.1.7. is modified as follows:

Subject matter of the contracts envisaged	In order to promote the IMP in the context of sea-basin strategies and through specific maritime policy actions, a number of events are planned to be held. This action includes, inter alia, activities such as: <ul style="list-style-type: none"> • the European Maritime Day 2016 and the European Maritime Day 2017; • International Oceans Governance Conferences, in particular the 'Our Ocean' global conference which the EU will be hosting; • A Black Sea stakeholders conference; • workshops and stakeholder conference on the west Mediterranean maritime strategy; • workshops on the Arctic; • a conference on maritime and coastal tourism in the Baltic; • a Dutch EU presidency event on MSP and cooperation in energy; • regional dialogue between cruise operators, ports and coastal
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	tourism stakeholders; <ul style="list-style-type: none"> • an event on mid-Atlantic areas of particular environmental interest; • a blue innovation summit/business and science forum; • an event on lessons learned from stress tests on European marine data; as well as activities necessary to their preparation and follow-up.
Type of contract	1) Specific contracts linked to an existing framework contract ("Organisation of conferences, workshops, seminars and other events on the CFP, the IMP and EMFF" - MARE/2014/15) or any other relevant and suitable framework contract in force in the European Commission. 2) Service-level agreements with DG SCIC including the financial management.
Indicative Budget	€ 1.708.240
Implementation	Some 16 specific contracts under the framework contract ("Organisation of conferences, workshops, seminars and other events on the CFP, the IMP and EMFF" - MARE/2014/15) , or under other existing suitable framework contracts concluded by the Commission, or through a service-level agreement with DG SCIC including the financial management (co-delegation).
Indicative timetable	Specific contracts and service-level agreements to be concluded throughout 2016.

1.3.1.9. Framework contract for the provision of expert support in the area of maritime affairs and blue economy development

Point 1.3.1.9. is deleted.

1.3.1.10. Socio-economic assessment of Marine Environment Modelling Toolbox results

Point 1.3.1.10. is deleted.

A new action 1.3.1.12 is added:

1.3.1.12. Framework contract for services to move towards good environmental status of the European waters by implementing the Marine Strategy Framework Directive

Subject matter of the contracts envisaged	<p>The implementation of the Marine Strategy Framework Directive MSFD (2008/56/EC) requires coherent approaches within and between marine regions. This is particularly important for Member States which share marine waters in different regions. Therefore coordination mechanisms, administrative and technical support for regional and inter-regional cooperation in relation to assessment, target setting, and progress towards good environmental status, building on existing collaboration, will be necessary.</p> <p>The work will be to be organised at EU or Member State level or by marine region.</p> <p>The work will support the attainment of the good environmental status of marine waters under the MSFD as well as the coordination between the different marine regions and will involve the following</p>
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	non-exhaustive tasks: <ul style="list-style-type: none"> Analysing and assessing pressures and human activities in the marine environment. Identifying possible cost-effective measures in relation to pressures and human activities in the marine environment and analysing their socio-economic impacts and benefits. Developing standardised methods for data collection, sampling design and assessment relating to the state of the marine environment and the pressures and impacts upon it, and, if required, developing technical guidance for the Member States. Providing scientific and technical input to a coordinated and integrated assessment of good environmental status. Developing and applying ex ante and ex post evaluation tools in connection with the implementation of the MSFD. The assessment of approaches and results of Member States in the different stages of implementation of Directive 2008/56/EC with particular focus on coherence, notably at regional or sub regional levels, and, based on this assessment, recommendations on specific activities, tools, and/or mechanisms to be put in place to improve coordination within or among marine regions. The support to Regional Sea Conventions in further developing and improving coherent and comparable approaches, and promoting best practices within and across marine regions; The intensification of information exchange between the EU and Regional Sea Conventions; The organisation of events such as workshops, conferences and other meetings
Type of contract	Service framework contract
Indicative Budget	€ -
Implementation	This action will be implemented through a co-delegation to DG ENV.
Indicative timetable	Open call for tenders to be published in the 3 rd quarter of 2016.

A new action 1.3.1.13. is added:

1.3.1.13. Study on market ocean energy

Subject matter of the contract(s) envisaged	<p>In order to help establish an investment platform for Ocean Energy to mobilise funding from the European Fund for Strategic Investments, a market study is needed. This study should give an overview of the project pipeline of (pre-) commercial ocean energy projects for the next 6 years and should identify possible sources of contributions to an investment fund at various risk levels (e.g. first loss piece, mezzanine level, senior level).</p> <p>The study can build on existing information (eg. ocean energy part of ICF report prepared for DG RTD) but will have to go beyond that through in-depth interviews with key players and organisations in the ocean energy sector.</p>
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Type of contract	Service contract
Indicative budget	€ 59.000
Implementation	This action will be implemented by DG MARE.
Indicative timetable	Contract to be concluded in the 3rd quarter 2016.

A new action 1.3.1.14. is added:

1.3.1.14. European Ocean Observation Survey

Subject matter of the contract(s) envisaged	<p>The objective is to guide the selection of options for a European Ocean Observing System. This will be achieved by:</p> <ul style="list-style-type: none"> • estimating the spending by EU Member States on ocean observation; • summarising the costs and organisation of ocean observation strategies in the United States, China, Japan and Australia; • summarising studies on the economic and societal benefits of ocean observation; • identifying needs for observation over and above what is being done already, as identified by the sea-basin check points conducted under the EU's integrated maritime policy and the Marine Strategy Framework Directive.
Type of contract	Service contract
Indicative budget	€ 60.000
Implementation	This action will be implemented by EASME.
Indicative timetable	Contract to be concluded in the 4th quarter of 2016.

1.3.2. Budget Heading 11 06 62 01

SCIENTIFIC ADVICE AND KNOWLEDGE

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 85(a) and 86 thereof.

A new action 1.3.2.6. is added:

1.3.2.6. Spatially-structured decision support tool for mixed fisheries

Subject matter of the contract(s) envisaged	<p>The objective is to provide a relevant decision support tool (DSL) for the Irish Sea, West of Scotland and Channel providing a mechanism for stakeholders and managers to develop and examine management scenario for mixed fisheries.</p> <p>The CFP sets as a priority the management of stocks by Multi Annual Plans; whereby the MAP defines for a region relevant objectives, timeframes and safeguards. Joint Recommendations formulated by the Member States determine which actions are implemented to meet the objectives. Managers and stakeholders require an evaluation of the options to support these recommendations; a DSL allows examination of different management options from a biological and economic perspective.</p> <p>The Commission have previously supported the development of one such DSL; DAMARA to examine options in the Celtic Sea. It was originally intended that this same supportive approach would be extended to other areas ensuring the effective involvement of managers and stakeholders in defining options, visualising indicators and providing a creditable and accessible output. This approach already has stakeholder support. The DAMARA project provides a template for developing a DSL for other regions, in terms of its inclusiveness of stakeholders to define plausible scenarios.</p> <p>STECF (PLEN 16-01) have considered the currently available information and models for the other areas of the North West Waters deeming that the information to support bio-economic models is available and that there are a number of bio economic models already available which might be adapted, however a model is required for the Irish Sea. The project will include determination of which models are utilised and undertake any needed development.</p>
Type of contract(s)	Service contract
Indicative Budget	€ 300.000
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be published in the 4 th quarter of 2016.

A new action 1.3.2.7. is added:

1.3.2.7. Study on validating age-determination of anglerfish and hake

Subject matter of the contract(s) envisaged	Anglerfish and hake are both valuable and important target species in European Union fisheries. There are two distinct methods for the age determination of anglerfish, from two different body structures (otoliths and illicia), that do not agree and, additionally, the
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	<p>reliability of both methods for age estimation is low. For hake, only one body structure (otoliths) is used and here the reliability of the age estimates is low.</p> <p>More than half of the anglerfish stocks in European waters have no stock assessment and are considered to be data-limited stocks. The other stocks have length-based stock assessments, as do both hake stocks. In many cases the reference points required for management under the reformed Common Fisheries Policy (CFP) are simply not available.</p> <p>Stocks managed under the CFP must meet objectives with respect to maximum sustainable yield as defined in Article 2.2 of Regulation 1380/2013. The best available scientific advice should be used to inform management as to how to do this.</p> <p>The objective is to produce a validated method for age-determination for these species using otolith microchemistry with a view to improve fish stock advice in respect of CFP objectives. Both species exhibit low visual contrast in the otolith and a recent study on cod demonstrated that low visual contrast between growth zones exhibited clearly defined synchronous cycles in a number of chemical elements present within the otoliths. For anglerfish, an additional objective would be to compare the results of the validated method with illicia age-determination results.</p>
Type of contract(s)	Service contract
Indicative Budget	€ 300.000
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be published in the 4 th quarter of 2016.

A new action 1.3.2.8. is added:

1.3.2.8. Study on Community-Led Local Development (CLLD)

Subject matter of the contract(s) envisaged	<p>To assess the impact of CLLD actions from an economic, social and environmental perspective, the definition of an appropriate set of indicators for qualitative and quantitative outcomes of interest, and of their quantification on the basis of available data, is needed. The proposed contract will aim at defining an appropriate matrix of feasible impact and result indicators which are able to capture the many socio-economic impacts of CLLD strategies, including effects on governance, social capital, environment and social inclusion. It will also include a feasibility study on the possibility to use data available to Fisheries Local Action Groups (FLAGs) to measure these indicators, as well as of integrating these sources with appropriate surveys.</p>
Type of contract	Specific contract to be concluded under an existing relevant framework contract in force in the European Commission or an

	administrative arrangement with the Joint Research Centre
Indicative Budget	90.000 €
Implementation	This action will be implemented through an administrative arrangement by the JRC Competence Centre on Micro Economic Evaluation or a specific contract under an existing framework contract by DG MARE.
Indicative timetable	Contract to be signed in the 2nd semester 2016.

1.3.3. Budget heading 11 06 62 02

CONTROL AND ENFORCEMENT

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 87 (2), (b) and (c).

1.3.3.1. Provision of IT services and supplies

Point 1.3.3.1. is modified as follows:

Subject matter of contract envisaged	Development, maintenance and support of IT applications and hardware (infrastructure) supply, supporting the implementation of the Common Fisheries Policy. Access to databases.
Type of contract	Specific service and supply contracts linked to existing framework contracts provided by DG DIGIT. Supply and service contracts. Some 25 contracts to be awarded in accordance with the framework agreement with DG DIGIT. 5 contracts for access to databases.
Indicative Budget	€ 3.700.000
Implementation	The action will be implemented by DG MARE. Part of the appropriations will be subject to co-delegation/cross sub-delegation granted to DIGIT (hosting services), DG COMP (case handling) and DG SANTE (IUU database for catch certificates) to fund the different services and IT applications.
Indicative timetable	Contracts to be concluded throughout 2016.

A new action 1.3.3.5. is added:

1.3.3.5. Monitoring small-scale fisheries

Subject matter of the contract(s) envisaged	Technologies used for monitoring the EU's larger fishing vessels are not practical for smaller vessels. A number of countries have therefore developed alternative methods. The objective is to assess these low-cost, low-burden solutions for monitoring catch and effort in small-scale fisheries on behalf of scientists and
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	<p>authorities, and determine whether they could be rolled out further.</p> <p>The contractor will (1) examine and assess systems already in use in EU Member States and outside (2) develop (3) test and (4) assess prototype systems that take advantage of lessons learned in operational uses as well as new opportunities from emerging technologies. The systems will include an on-board component that collects information on movements, suitable for use on small fishing vessels, a port component that collects information on landings, an onshore component where the information comes together, and a communication component. The systems should deliver administrative information such as sales notes automatically and flag activity that may indicate a breach of regulations, e.g. through detection of anomalies. The on-board component should not use satellite communication but may use other communication means to indicate information on vessel activity whilst still at sea. Communications in port or coastal range should be included.</p> <p>Testing should take place in the Atlantic, Baltic, Black Sea, Mediterranean and North Sea and assessment should cover (1) ease of use by fishermen, authorities and scientists, (2) robustness, (3) cost, (4) effectiveness at providing good estimates of catch and effort to authorities and scientists and (5) suitability for rolling out as a standard that will provide accurate estimates of catch and effort from small scale fisheries on an EU scale that could later help developing countries manage their fisheries more effectively.</p>
Type of contract(s)	Service contract
Indicative Budget	€ 400.000
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be published in the 4 th quarter of 2016.

A new action 1.3.3.6. is added:

1.3.3.6. Study on engine power verification by Member States

Subject matter of the contract(s) envisaged	<p>According to article 41.1 of the Control Regulation, each Member State has the obligation to establish a sampling plan to verify the consistency of the data resulting from the engine power certification. As a result of 16 EU Pilot cases, all sampling plans on engine power were received from Member States, but due to the limited capacity to undertake such verifications and to the technical expertise required, DG MARE has not been able to fully assess their implementation. In addition, the current checking of the implementation of the sampling plans is not sufficient to counter argue that the certified engine power is not the real power deployed by vessels concerned as recently alleged in complaints.</p> <p>In order to avoid being confronted with a lack of substantial data, the objective of this study is to give DG MARE a picture of what Member States are doing regarding the engine power verification</p>
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	<p>and to assess the quality of the way these checks are carried out in Member States.</p> <p>Being given the expertise required, the external contractor will be mandated by the Commission to carry out such physical verifications whenever needed in the context of this study. In conformity of the equal treatment principle, such verifications may be carried out in all Member States having a fishing fleet. Such a study will contribute to the full implementation of this important requirement of the control regulation and beyond, ensure the appropriate control of the EU fleet capacity.</p> <p>This is a new action aiming at checking the implementation of the Control Regulation 1224/2009.</p>
Type of contract(s)	Service contract
Indicative Budget	€ 300.000
Implementation	This action will be implemented by EASME.
Indicative timetable	Call for tenders to be published in the 4th quarter of 2016.

1.4. OTHER ACTIONS

A new Budget heading 1.4.4. is added:

1.4.4. Budget heading 11 06 61

FOSTERING THE DEVELOPMENT AND IMPLEMENTATION OF THE UNION'S INTEGRATED MARITIME POLICY (IMP)

Legal basis:

- Regulation (EU) No 508/2014 of the European Parliament and Council of 15 May 2014 on the European Maritime and Fisheries Fund, and in particular Articles 81, 82, and 83 thereof.

1.4.4.1. European Atlas of the Seas

Type	Administrative Arrangement
Description and objective of the action	<p>Extension of existing Administrative Arrangement, to bridge the gap between the current Administrative Arrangement (active until 31/12/16) and the next one, expected to start mid-2017.</p> <p>The extension will allow further development and maintenance of the European Atlas of the Seas, with the following vision for the 1st semester of 2017:</p> <p>The European Atlas of the Seas will continue to support policy making both within and outside the Commission on blue growth,</p>

	<p>integrated maritime policy, fisheries, etc. by providing digital maps of European seas and coasts. As policy support tool, the Atlas would inform decision-making at the EU, national and regional levels.</p> <p>The Atlas will remain a publicly accessible web-based tool. As such, the Atlas will convey relevant information to stakeholders in the Commission, to professionals in various maritime sectors (including fisheries, transport, energy), environmental administrations and bodies and other types of organisation (e.g. private sector, NGOs, academia) and to the wider public.</p> <p>The Atlas should evolve into the ocean pillar of Digital Earth: a digital replica of the European coasts and seas. In doing so, it will aim to facilitate a shared understanding of various aspects of the sea (natural, environmental, societal), to be accessible from computers, tablets and mobile devices, to be understandable for a broad audience (decision makers, stakeholders, public), and to be continuously updated with data from a number of different sources.</p> <p>It will be designed further by the Steering Group with representatives of interested DGs, including JRC, MARE, ENV and RTD.</p>
Indicative budget	€ 60.000
Implementation	This action will be implemented by DG MARE.
Indicative timetable	The extension of the Administrative Arrangement is to be concluded in the 4 th quarter of 2016.