

ANNUAL IMPLEMENTATION REPORT FOR THE EMFF

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2. OVERVIEW OF THE IMPLEMENTATION OF THE OPERATIONAL PROGRAMME (ARTICLE 50(2) OF REGULATION (EU) NO 1303/2013)

Key information on the implementation of the Operational Programme for the year concerned, including on financial instruments, with relation to the financial and indicator data.

In 2018 Ireland's EMFF Operational Programme invested a total of €43.5 million in Ireland's seafood sector in 18 schemes. This compares to investment of €27.6 million in 2017. The increasing level of investment spend is a positive indication of a ramping up of investment levels in what for most schemes was their third year of operation. The performance of the Programme in 2018 was notable in a number of respects, in particular:

- Achievement of the Performance Framework milestones for 2018 for all six Union Priorities.
- The 7 newly established Fisheries Local Action Groups (FLAGs) launched their second calls for projects and the outcome was very positive, with 209 grants awarded, 31% of the overall FLAG funds spent and a project pipeline that will contribute to 2019 spend.
- Strong interest in EMFF funding of innovation and research projects across fisheries, aquaculture and processing.
- A notable increase in capital investment in aquaculture as more sites are licensed.
- Investment of €7.6 million for improvements to two Fishery Harbour Centres under the EMFF Fishery Harbour Scheme, with further investments in 2019.
- An increase in the scale of capital projects.
- The launch of the Seafood Capacity Building and Seafood Skills and Trainings Schemes, where we expect a significant take up in future years.
- The development of a strong project pipeline, with the approval of many projects for completion in 2019 and later years.
- Negatively, the continued suspension of recoupment of Control & Enforcement funds in connection with the Points system.

In 2018, the first modification to the EMFF Programme was adopted by the European Commission. The reasons for the programme modification related mostly to the originally proposed fleet decommissioning scheme, which was not implemented in light of the negative conclusions of a Cost Benefit Analysis evaluation. The modified Programme reallocated the €16 million decommissioning budget, with funds being reassigned to the Seafood Promotion Scheme, the Fishery Harbour Scheme and Technical Assistance.

3. IMPLEMENTATION OF THE UNION PRIORITIES

3.1. Overview of the implementation (Article 50(2) of Regulation (EU) No 1303/2013)

Information should be provided as short and general commentary on the implementation of the Union priorities and technical assistance for the year(s) concerned with reference to key developments, significant problems and steps taken to address these problems.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
<p>1 - Promoting environmentally sustainable, efficient, competitive and knowledge based fisheries</p> <p>resource innovative, and knowledge based fisheries</p>	<p>In 2018, the EMFF Programme approved €29,421,326 funding for 367 projects under Union Priority One. Actual spend in 2018 was €17,150,505 under 244 projects through nine support schemes under Union Priority One.</p> <p><u>Sustainable Fisheries Scheme</u></p> <p>In 2018, 123 projects were supported with €4,436,516.60 under the Sustainable Fisheries Scheme with projects approved under three distinct parts.</p> <p><u>Part A - Public Projects</u></p> <p>12 Part A projects were supported with public aid of €1,245,820. These were implemented by BIM for the benefit of the seafood sector and for the public good. The projects focused on:</p> <ul style="list-style-type: none"> • Development and testing of selective fishing gears and methods. • Provision of Partnerships & Advisory Services to the seafood sector. • Project addressing the problem of parasitic worms in fish . • To recover marine litter from the sea and the management of fisheries generated waste at sea and ashore. <p><u>Part B - On Board Investments</u></p> <p>In 2018, 105 Part B projects were supported with public aid of €2,922,738.</p>

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p>Projects supported in 2018 included:</p> <ul style="list-style-type: none"> • Selective gears. • Equipment to improve hygiene, health and working conditions on board. • Equipment to improve fuel efficiency. • Gear monitoring equipment and fuel efficient fishing gears, • Investments that improve fish quality and add value to fishery products. <p>Demand under this scheme was exceptionally strong in 2018. While 105 projects were completed and paid, some 185 projects were actually approved for grants worth €5.75m. This strong project pipeline will contribute to spend in 2019.</p> <p><u>Part C - Promoting Quality and Added Value Onshore</u></p> <p>In 2018, six projects received public aid of €267,958.60</p> <p>Five of these projects were infrastructure improvement projects which aim to assist fishermen to meet the challenges of the landing obligation. The main elements of the projects are provision of cold storage facilities and associated handling equipment for the storage of unwanted catches.</p> <p><u>Marine Biodiversity Scheme</u></p> <p>In 2018, some € 307,649 was invested under the Marine Biodiversity Scheme supporting four projects. Projects supported included the following:</p> <ul style="list-style-type: none"> • Restoration of crayfish stocks.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> • Skate and ray restoration project. • Oyster restoration project. <p>The Scheme is also supported under Union Priority 6.</p> <p><u>New Fishermen Scheme</u></p> <p>In 2018, there were four projects completed under the New Fishermen Scheme with public aid of €226,700.</p> <p>There was an improved interest in the Scheme during 2018 with 8 projects approved for public aid of €375,200. Five projects with grant aid of 148,500 will be carried over into 2019.</p> <p><u>Inshore Fisheries Conservation Scheme</u></p> <p>In 2018, 80 projects were supported with public aid of €833,261.87.</p> <p>Grants of €439,634.35 were approved so that BIM could undertake 5 projects for the benefit of the sector. These projects supported</p> <ul style="list-style-type: none"> • Networking in the inshore fisheries sector. • The completion of a strategy for the inshore fisheries sector. • Governance of native oyster fisheries. • The installation of landing derricks at minor ports. <p>2 industry projects were funded to a value of €32,858.40 for the installation of onshore cold store facilities for an SSCF operator and the development of a business plan for an SSCF organisation</p> <p>73 projects concerning v-notching of lobsters received support of</p>

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p data-bbox="639 212 810 248">€360,768.82.</p> <p data-bbox="639 416 1085 452"><u>Control & Enforcement Scheme</u></p> <p data-bbox="639 517 1334 589">In 2018, one project was supported with public aid of €737,231.71.</p> <p data-bbox="639 654 1474 907">The Information management technology (IMT) division of the Department of Agriculture Food and the Marine (DAFM) develops and maintains the fisheries IT systems to support the control authorities. In 2018 work begun on the development of a new Quota Balancing IT system which will allow for the management of the allocation of fishing opportunities in the main Pelagic Fisheries to:</p> <ul data-bbox="612 978 1458 1149" style="list-style-type: none"> <li data-bbox="612 978 1414 1014">• Manage the number of stocks within authorised catch limits <li data-bbox="612 1081 1458 1149">• Process in place to adjust future catch limits to address where a vessel has exceeded its allocated catch limit <p data-bbox="639 1216 1362 1288">Further development work under these activities will be advanced in 2019.</p> <p data-bbox="639 1355 1342 1391"><u>Seafood Innovation and Business Planning Scheme</u></p> <p data-bbox="639 1456 1401 1527">In 2018 17 innovation and business planning projects were supported with total public aid of €1,552,095.</p> <p data-bbox="639 1592 1461 1809">Nine projects from processing enterprises were supported with public aid of €55,598. These projects included a broad range of new product development and product enhancement projects related to fish and seaweed and seafood derivative products, consumer and market testing, market feasibility studies, and business planning.</p> <p data-bbox="639 1877 1474 1948">Bord Iascaigh Mhara undertook eight innovation projects for the benefit of the sector at a cost of €1,496,497. Projects included:</p> <ul data-bbox="612 2016 1378 2051" style="list-style-type: none"> <li data-bbox="612 2016 1378 2051">• Operation and support of a new innovation process in the

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p style="text-align: center;">Seafood Innovation Hub, Clonakilty.</p> <ul style="list-style-type: none"> • Green Seafood Processing – initiatives in the seafood processing sector to generate cost reductions in the areas of water energy, waste and transport. • Providing business planning and Client Engagement services. <p>Innovation projects nominated by the sector which are contracted to research performing organisations and overseen in partnership with industry.</p> <p><u>Seafood Capacity Building Scheme</u></p> <p>In 2018, some 16 projects were supported with public aid of €1,379,972. The Scheme provided support for seven public body projects. Six of these were BIM led projects, while the seventh was an external project. These projects drew down a total aid of €889,804 and €486,187 respectively. In addition there were nine projects from seafood enterprises approved in 2018. Three of these drew down a total grant aid of €3,981.97 in 2018, with the remaining approved projects expected to draw down in 2019. While this was the first year of operation of this scheme, it was introduced primarily to provide aid to stakeholder representative bodies, and the lack of applications from these bodies was disappointing. Feedback suggests that while aid of 60% was available, these bodies have difficulty funding the remaining 40% of costs.</p> <p><u>Seafood Skills and Training Scheme</u></p> <p>This Scheme was launched in 2018. It provides grant aid to people involved in the Irish Seafood Industry to participate in defined training courses. In 2018 fifty nine applications were approved with three of these drawing down grant aid amounting to €6,456.85. The remaining approved projects are expected to complete and draw down in 2019. This Scheme is expected to grow significantly in the future.</p> <p><u>Fishery Harbour Scheme</u></p> <p>In 2018, two projects were implemented with €7,670,621 in public investment. These projects involved the improvement of harbour facilities at the Fishery Harbour Centres in Castletownbere and Killybegs. The objectives of the two projects were as follows:</p>

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> • Improve safety conditions for staff and users of or visitors to the harbour • Improve working conditions for staff and users of the harbour. • Increase the quality of products landed in the harbour. • Increase the control of products landed. • Increase the energy efficiency of the harbour. • Contribute to environmental protection.
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	<p>In 2018, the EMFF Programme invested €5,127,714 in support of 66 aquaculture projects through two support schemes under Union Priority Two. This investment was evenly split between supports for capital investment and for innovation/research/advice. There was good interest in capital investment, particularly for oyster farming, and increasingly from the salmon sector. Changes to the support structure for innovation projects proved positive and attracted strong interest from the research sector, which again involved multi-annual projects that will contributed to spend in 2018. Across the two schemes there has been a doubling in spend and project number compared to 2017.</p> <p><u>Knowledge Gateway Scheme</u></p> <p>In 2018, 28 projects were supported with public aid of €2,538,051. The Managing Authority directly approved 22 projects to be undertaken by BIM for the benefit of the sector and for the public good. Some 9 of these projects concerned innovation/research while 13 projects were of an advisory services nature.</p> <p>The innovation projects included the following:</p> <ul style="list-style-type: none"> • Technical development of seaweed cultivation and integrated multi-trophic aquaculture (IMTA). • Developing hatchery techniques for scallop and native oyster. • Improving the depuration process for shellfish. • Quantification and risk assessment of shellfish in respect to

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p>viruses.</p> <ul style="list-style-type: none"> • Investigating alternatives to veterinary medicines in salmonids • Emerging treatments for Amoebic Gill Disease (AGD) <p>The advisory service projects included the following:</p> <ul style="list-style-type: none"> • Fish Welfare and Guidance Workshops. • CQA Standard Programme including Organic Certification. • Benchmarking CQA standard to Global Seafood Sustainability Initiative standard. • Online standards portal. • Production efficiency in Shellfish <p>Six projects from third level research institutions and industry were supported with public aid of €448,051 in 2018. These are multi-annual projects and so will contribute to spend in 2019 and 2020.</p> <p>These projects concern:</p> <ul style="list-style-type: none"> • Integrated multi-trophic aquaculture. • Development of products from seaweed. • Environmental management in connection with the WFD. • Animal husbandry. • Developing techniques for production of native oysters. <p><u>Sustainable Aquaculture Scheme</u></p> <p>In 2018 38 aquaculture capital development projects were supported with public aid of €2,589,663. Some 27 of the projects concerned capital investment in oyster production, 4 concerned capital investments in mussel production, 3 were for higher value capital investment in salmon production, 1 related to trout and 3 projects were for multi species projects onshore.</p> <p>The following were some of the projects that were supported in</p>

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	<p>2018 under the EMFF Operational Programme 2014-2020:</p> <ul style="list-style-type: none"> • Development of Oyster Farms. • Capacity development on seaweed farms • Upgrade of salmon technology • Upgrades of Fish ponds • Development of oyster handling facilities. • Introduction of continuous rope mussel systems. <p>Oysters continues to enjoy a particularly high price point at present and that is reflected in the number of oyster projects being undertaken. It is also likely that 2018 saw an increase in demand for investment in oysters as licences are being renewed.</p>
3 - Fostering the implementation of the CFP	<p>In 2018, the EMFF Programme invested €11,983,280 in support of ten projects through two support schemes under Union Priority 3.</p> <p><u>Control & Enforcement Scheme</u></p> <p>The Sea Fisheries Protection Authority invested €1,140,342 of EMFF funds in 2018 in support of eight projects under the Control and Enforcement scheme. In addition to the existing multi-annual projects the Managing Authority directly approved 5 new SFPA projects in 2018. The projects currently underway by the SFPA include:</p> <ul style="list-style-type: none"> • <i>ERS Enhancements:</i> Providing replacement equipment for fishing vessel electronic logbooks and inspection devices for SFPA Sea-Fisheries Protection Officers. • <i>Compliance Promotion:</i> Raising awareness of the Common Fisheries Policy amongst stakeholders within the Irish Fishing Community and to improve compliance and enforcement of the CFP rules through promotional activities and events. To date projects implemented include awareness campaigns and events, and the redevelopment of the SFPA website to provide relevant information and data to promote the rules of the CFP. • <i>Audit Assessment:</i> Improving the effectiveness and efficiency of the Control and Inspection service through independent and objective assessments of the management control and

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p>framework.</p> <ul style="list-style-type: none"> • Training and Exchange: Development of training and exchange programmes between Member States, in the monitoring, control and surveillance of fisheries activities; training in relation to risk analysis and assessment to promote more effective sea inspection and air surveillance regime and aligned shore based regime and regulator training to provide an understanding of the legal system, legislation and its integration within the Irish system. • Engine Power Measurement: Establishment of a national capacity to test the engine power of Irish registered sea fishing boats, including the development of a robust process for engine power verification on board fishing vessels, providing the ability to identify non-compliant vessels where they exist and to recognise and exclude compliant vessels. • Sales Notes External Portal: Supporting the requirement to redevelop the Sales Notes portal which records the first sale of fish, ensuring compliance with the Landing Obligation, by providing support for impacted operators to upgrade existing systems. • Vessel Monitoring Systems: Replacing the existing Vessel Monitoring System (VMS) on all Irish fishing vessels greater than 12m in overall length to ensure continued monitoring of activity on Irish vessels subject to EU and other regulations. <p>The Information management technology (IMT) division of the Department of Agriculture Food and the Marine (DAFM) develops and maintains the fisheries IT systems to support the Fisheries control authority, (SFPA). The Department of Agriculture Food and the Marine invested a total of €3,042,938.13 for Phase 2 of the Integrated Fisheries Information System (IFIS) and electronic reporting systems. This project covered the following developments:</p> <ul style="list-style-type: none"> • Data exchange application (FERS) developed for the introduction UN/CEFACT standard for exchange of Fishing Activity and Sales via Flux for other member states • Sales notes, development of an internal and external portal including web services for the transmission of first sale of fish, ensuring compliance with the Landing Obligation • Enhancements to Vessel tracker application- overlays, catch display data, charts etc. • ieCatch- ongoing work on redevelopment of vessel software to

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	<p>incorporate changes for the landing obligation and UN/CEFACT standardisation for the exchange of information</p> <ul style="list-style-type: none"> • Fleet over Flux- Provide snapshot and daily updates of Fleet register in UNCEFACT format over Flux as required under Article 9 of Implementation regulation EU 218/2017 <p>In 2018 approval was given towards funding of a maritime patrol aircraft for the Department of Defence. This will enhance Ireland's control and enforcement strategy. Funding will amount to €12,857,143. While no expenditure was incurred in 2018, it is important to note the approval because of the substantial funding.</p> <p><u>Data Collection Scheme</u></p> <p>In 2018, some €7,800,000 was invested by the Marine Institute in the Data Collection Scheme under Union Priority 3. The national Data collection programme includes catch sampling at sea and in ports, 6 internationally coordinated research survey programmes, inshore and diadromous sampling and surveys, collection of transversal data and the socioeconomic evaluation of the fishing, fish processing and aquaculture sectors.</p> <ul style="list-style-type: none"> • Biological data was collected at sea on board commercial and research vessels and in fishing ports around the coast as part of ports based sampling. Some 110 at sea trips were completed. In addition, 65 inshore shellfish observer trips were completed. A total of 288 port sampling trips were completed for demersal stocks. The at sea and port based sampling programme amounted to €357,700 in 2018 excluding staff costs. • In 2018, a biological sampling programme for the diadromous species salmon and eel was carried out and included surveys in the freshwater, trap returns and the national coded wire tag programme at a cost of €48,600. • Six internationally coordinated off shore research programmes at sea were completed in 2018, comprising 206 sea days and 2,054 scientific sea days. Total expenditure for these activities was €4,081,000. • Thirteen inshore shellfish surveys had a cost of €75,186 and provided data for oyster, cockle, scallop, surfelam and razorfish. • The economic situation of the aquaculture and processing sectors was evaluated by BIM through the collection of census data, economic sample surveys and audited accounts from the Companies Registration Office (CRO). • International coordination of fisheries data collection and analysis was achieved through the participation at and contribution to 64 ICES and EU scientific expert groups directly related to the Data Collection Scheme with a cost of €137,800

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	for 2017.
4 - Increasing employment and territorial cohesion	<p><u>Fisheries Local Development Scheme</u></p> <p>In 2018, the 7 FLAGs paid out public aid of €1,948,444.72 to 209 projects.</p> <p>The 7 FLAGs initiated their second year of project calls in the early 2018. Nearly 350 project applications were received over the course 2018, with 247 finally selected for grant approval. Payments were made to 209 projects, including some deferred from 2017. Other approved 2018 projects will be completed in 2019 and will contribute to the 2019 spend.</p> <p>The economic development of coastal areas, particularly in the areas of marine tourism, and added value have accounted for nearly 60% of grant aid, community projects developing skills and local knowledge as well as promoting social wellbeing and cultural heritage have comprised a further 25% of funds disbursed The remainder of the projects focused on training and education in addition to protecting and promoting the environment.</p> <p>FLAG projects implemented in 2018 included the following:</p> <ul style="list-style-type: none"> • Capital investments in micro seafood enterprises • Marine tourism and marine leisure projects, • Heritage projects, • Small harbour facilities and environmental projects. • Environmental and training projects.
5 - Fostering marketing and processing	<p>In 2018, the EMFF Programme supported 32 projects with grant aid of €4,015,538 through four support schemes. These investments supported a broad range of activities, including:</p> <ul style="list-style-type: none"> • Promotion of seafood

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> • Capital investment in seafood enterprises to support value-adding investments • Advisory services to seafood processing SMEs on innovation, new product and packaging development, business planning, energy efficiency and seafood processing technologies • Development of route to market structures • Market development • Consumer and market research • Innovation and development of new seafood and seaweed products and packaging • Development of processing technologies and techniques <p><u>Seafood Promotion</u></p> <p>In 2018, Bord Bia invested some €2.066 million in public expenditure under its approved 2018 EMFF projects. These projects contributed to the following initiatives.</p> <ul style="list-style-type: none"> • <u>International trade exhibition programme for seafood</u> - which comprised a Bord Bia Ireland Pavilion at 8 international trade shows including the following: <ul style="list-style-type: none"> ○ SEG, Brussels ○ Biofach, Nuremburg ○ Tokyo Seafood Show ○ Seafood Asia, Hong Kong. <p>A total of 65 seafood processors from the pelagic, shellfish, salmon and added value seafood sectors participated across these 8 international seafood shows.</p> <ul style="list-style-type: none"> • <u>Domestic market seafood campaigns</u> - two campaigns to promote shellfish amongst Irish consumers were carried out in 2018. A seafood Trails television series was launched which aimed to educate Irish consumers about the range and diversity of Irish seafood available from the catching sector and how versatile and easy it is to cook seafood. • <u>'Feet on the Street' resources</u> - These additional ground resources in China and Japan have resulted in 25 inward buyer visits to Ireland and it has also resulted in 9 food journalists from China, Korea and Japan visiting Irish seafood farms and processing facilities and generating fantastic media coverage on the Irish sector in these target markets in 2018.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> • <u>International consumer research</u> - Six deep dive seafood studies undertaken across key markets in Asia and a further 10 seafood studies undertaken in European seafood markets. • <u>Emerging Market Seafood promotions</u> - 5 promotions carried out in leading retail and foodservice outlets in China and Japan in 2018. <p><u>Producer Organisation Scheme</u></p> <p>In 2018 four projects were supported with public aid of €312,414.47 based on eligible expenditure of €480,637.64. Four claims were received from the Producer Organisations in relation to expenditure incurred in 2017.</p> <p>The grant aid rates involved a mixture of fixed maximum assistance or a 65% grant aid rate. Expenditure related to direct staff costs, with other typical costs incurred involving the engagement of consultants to assist in the preparation of the Marketing Plans and Activity Reports. Capital items mainly involved upgrading of computer software and equipment.</p> <p><u>Seafood Scaling and New Market Development Scheme</u></p> <p>In 2018 6 projects were supported with public aid of €476,152.</p> <ul style="list-style-type: none"> • Two projects involved collectives, each comprising of three unrelated processing enterprises, combining to invest in marketing costs to develop markets in Asia, including retention of the services of a native in-market consultant. These two projects accounted for EMFF grants of €122,548 which at a grant rate of 50% leveraged a total investment into the projects of €245,096 by the two collectives. • BIM undertook four scaling and new market development projects for the benefit of the sector at a cost of €353,604. Projects included: <ul style="list-style-type: none"> ○ <u>Project Atlantic</u> - is BIM led with a joint industry and State Steering Group with the objective to determine and enable the Irish seafood sector to add value to the

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p>increased landings into Irish fishery ports. This will generate economic activity in fishery ports, through increased landing activities, provide new raw material sources for Irish processors to scale up processing investment and generate profitability through added value and increased sales.</p> <ul style="list-style-type: none"> ○ <u>China Council</u> - A collective of Irish seafood processors working together to increase their presence in Asian markets. In 2018 they collaborated on developing an online strategy and achieve economies of scale and reduced costs by a collective approach to logistics, insurance and lean production. ○ <u>Domestic Council</u> - A collective of Irish seafood processors which was formed in 2017 and whose main aim is to represent, promote and develop the domestic Irish seafood sector. In 2018 the council focused on the following key issues. <ul style="list-style-type: none"> ▪ Increasing raw material supply, ▪ Seafood processing innovation, ▪ Common consumer research, ▪ Potential synergies through collective purchasing. ○ <u>Supply Chain Alignment</u> - This project is led by BIM and the main objectives of this project are as follows: <ul style="list-style-type: none"> ▪ Align shellfish supply chains to achieve differentiation and increase competitiveness. ▪ Identify where value is created and where it can be destroyed. ▪ Understand how can technology improve the supply chain. ▪ Understand supply chain and distribution in the context of Brexit and implications for landbridge solutions. <p><u>Seafood Processing Capital Investment Scheme</u></p> <ul style="list-style-type: none"> • In 2018 twenty one capital investment projects were implemented by 16 seafood companies and were supported with public aid of €1,160,972. • There were 9 fresh whitefish/salmon value added projects, 3 smoked salmon/trout projects, 2 shellfish projects, 4 pelagic, 2 food ingredients and 1 seaweed project. • Under the Scheme a grant rate of 30% is allowed for value adding secondary processing equipment, while 15% is allowed for other eligible investments.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> • In general, the projects related to fresh whitefish/salmon processing and typically involved expenditure on state of the art seafood processing equipment including fish filleting portioning and packing lines. • Shellfish projects typically included cookers, graders and freezing equipment. • The food ingredients projects related to equipment for processing blue whiting into protein to be supplied into the global food ingredients industry. • Salmon and trout smoking operations invested in a mix of seafood smoking equipment. • The four pelagic projects related to value adding equipment and buildings. Buildings and ancillary equipment formed the expenditure for the one seaweed project.
6 - Fostering the implementation of the Integrated Maritime Policy	<p>In 2018, the EMFF Programme invested €2,661,385 in support of 20 projects through two support schemes under Union Priority 6.</p> <p><u>Blue Growth & Marine Spatial Planning Scheme</u></p> <p>In 2018, 9 Marine Spatial Planning projects were supported with public aid of €906,074.</p> <p>The Blue Growth & Marine Spatial Planning Scheme supports actions with the specific objective to provide technical and scientific support for the development of a Marine Spatial Plan (MSP) for Ireland.</p>

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<p>The implementation of UP6 will allow Ireland to improve the level of protection of marine resources and to create conditions for the sustainable exploitation of natural resources.</p> <p>Funded under this Scheme are 5 Spatial Data and Evidence projects, which provide a technical and scientific foundation for implementation of MSP in Ireland. In 2018, a detailed data discovery and gap analysis was undertaken. Over 1900 MSP related datasets were identified nationally.</p> <p>Also funded are 2 Projects in the area of Data Management and Information Services for MSP. 2018 saw the implementation of an MSP Data Catalogue, Data Storage and Data Management Quality Framework. These systems will provide assurance on the reliability, availability and versioning of MSP data. A huge achievement for the Marine Institute in 2018 was the IODE accreditation for the DMQF.</p> <p>There are 2 marine invasive species research projects around species surveillance and mapping. One of these projects kicked-off in late 2018 with a review of the current status of IAS in Ireland and early detection methods. The second will commence in 2019.</p> <p><u>Marine Biodiversity Scheme (see also UP 1)</u></p> <p>In 2018, some € 1,755,311 supporting eleven projects under the Marine Biodiversity Scheme in Union Priority 6. These projects were covering the areas of NATURA fisheries interactions, NATURA aquaculture interactions and support for the Marine Strategy Framework Directive and biodiversity. One additional project was initiated in 2018. The eleven projects can be broken down into the following actions:</p> <ul style="list-style-type: none"> • Four projects related to mapping of fishing pressure and fishery NATURA interaction. <ul style="list-style-type: none"> ○ To improve the data collection of vessels <12m and map fishing patterns, iVMS systems have been deployed on over 140 inshore vessels of 3 meters (potters, netters, dredgers) in support of Natura assessments and MSP. ○ A second offshore reef survey was carried out in 2018 to map sensitive reef areas along Ireland's offshore banks and the northern continental slope ○ Enhanced bycatch project which focused on set net and pelagic trawl fisheries.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	<ul style="list-style-type: none"> ○ A project on testing the feasibility of aerial surveys for biodiversity monitoring was initiated in 2018 and a scan of aerial surveys was completed across three areas on the east coast of Ireland to monitor the distribution of seabirds and wading birds. ● Three projects focused on the assessment and mitigation of aquaculture impacts on NATURA sites at a cost of €208,000 in 2018. <ul style="list-style-type: none"> ○ Appropriate Assessment Reports of aquaculture activities from 6 Bays were completed. ○ Three draft assessments prepared and revisions made to 4 sites. ○ Monitoring of mitigation measures continued in two sites and was initiated in a third site in 2018. ● Three projects were completed to support the Marine Strategy Framework Directive (MSFD) and biodiversity. <ul style="list-style-type: none"> ○ Under the project “Ecosystem data collection on Irish fisheries surveys in support of MSFD”, 136 sediment samples were collected on five fisheries surveys. monitoring for marine mammal distribution and abundance was carried out on 9 weeks of the fisheries acoustic survey programme in 2018 covering the Irish shelf and offshore banks. The collected data will feed into Ireland’s reporting requirements under the Habitats directive. Research continued to derive Maximum Sustainable Yield (MSY) reference points on fish species vulnerable to fishing pressure and of ecological significance to improve data availability for MSFD, Good Environmental Status assessment and Common Fisheries Policy MSY targets. ● The “Informatics project” aims to set up the infrastructure and competence to efficiently integrate and utilise fisheries related data (including fishery/ecosystem interaction data) to support CFP, NATURA and MSFD implementation. During 2018, the development of four applications was completed and the digital stockbook, a fish species dashboard, an Irish groundfish survey data explorer and a tagging app are now publically available.

Union priority	Key information on the implementation of the priority with reference to key developments, significant problems and steps taken to address these problems
	The expenditure for the Informatics project in 2018 was €330,000.
7 - Technical assistance	<p>In 2018, total EMFF expenditure on Technical Assistance amounted to €565,265.</p> <p>In 2018 Technical Assistance supported:</p> <ul style="list-style-type: none"> • contracted staff resources for implementing bodies, which accounted for most of the costs • the costs to implementing bodies of additional resources to implement EMFF schemes and to project manage EMFF projects • information and publicity measures • the administration and animation of FLAGS • EMFF training and workshops • costs of the Monitoring Committee including attendance support for the environmental pillar

3.2. Result, output and financial indicators for EMFF (Article 50(2) of Regulation (EU) No 1303/2013)

Union priority	1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries
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Table 1: Result indicators for the EMFF - 1

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.4.a - Change in unwanted catches (tonnes)	tonnes	-10,000.00000	0.00000	0.00000
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.4.b - Change in unwanted catches (%)	%	-85.00000	0.00000	0.00000
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.5 - Change in fuel efficiency of fish capture	litres fuel/ tonnes landed catch	-50.00000	0.00000	0.00000
2 - Protection and restoration of aquatic biodiversity and ecosystems	1.5 - Change in fuel efficiency of fish capture	litres fuel/ tonnes landed catch	-50.00000	0.00000	0.00000
3 - Ensuring a balance between fishing capacity and available fishing opportunities	1.3 - Change in net profits	thousand Euros	6.50000	0.00000	0.00000
3 - Ensuring a balance between fishing capacity and available fishing opportunities	1.6 - Change in the % of unbalanced fleets	%	-100.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.1 - Change in the value of production	thousand Euros	23,000.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.2 - Change in the volume of production	tonnes	33,000.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.3 - Change in net profits	thousand Euros	6.50000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.5 - Change in fuel efficiency of fish capture	litres fuel/ tonnes landed catch	-50.00000	0.00000	0.00000

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.7 - Employment created (FTE) in the fisheries sector or complementary activities	FTE	1,200.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.8 - Employment maintained (FTE) in the fisheries sector or complementary activities	FTE	200.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.1 - Change in the value of production	thousand Euros	23,000.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.2 - Change in the volume of production	tonnes	33,000.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.3 - Change in net profits	thousand Euros	6.50000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.5 - Change in fuel efficiency of fish capture	litres fuel/ tonnes landed catch	-50.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.7 - Employment created (FTE) in the fisheries sector or complementary activities	FTE	1,200.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.8 - Employment maintained (FTE) in the fisheries sector or complementary activities	FTE	2,280.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.9.a - Change in the number of work-related injuries and accidents	number	-4.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.4.a - Change in unwanted catches (tonnes)	0.00000	0.00000	0.00000	0.00000
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.4.b - Change in unwanted catches (%)	0.00000	0.00000	0.00000	0.00000
1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	1.5 - Change in fuel efficiency of fish capture	0.00000	0.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
2 - Protection and restoration of aquatic biodiversity and ecosystems	1.5 - Change in fuel efficiency of fish capture	0.00000	0.00000	0.00000	0.00000
3 - Ensuring a balance between fishing capacity and available fishing opportunities	1.3 - Change in net profits	0.00000	0.00000	0.00000	0.00000
3 - Ensuring a balance between fishing capacity and available fishing opportunities	1.6 - Change in the % of unbalanced fleets	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.1 - Change in the value of production	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.2 - Change in the volume of production	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.3 - Change in net profits	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.5 - Change in fuel efficiency of fish capture	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.7 - Employment created (FTE) in the fisheries sector or complementary activities	0.00000	0.00000	0.00000	0.00000
4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	1.8 - Employment maintained (FTE) in the fisheries sector or complementary activities	0.00000	0.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.1 - Change in the value of production	0.00000	0.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.2 - Change in the volume of production	0.00000	0.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.3 - Change in net profits	0.00000	0.00000	0.00000	0.00000
5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	1.5 - Change in fuel efficiency of fish capture	0.00000	0.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.7 - Employment created (FTE) in the fisheries sector or complementary activities	0.00000	0.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.8 - Employment maintained (FTE) in the fisheries sector or complementary activities	0.00000	0.00000	0.00000	0.00000
6 - Development of professional training, new professional skills and lifelong learning	1.9.a - Change in the number of work-related injuries and accidents	0.00000	0.00000	0.00000	0.00000

Specific objective	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches
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Table 2: Output indicators for EMFF -1.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 37 Support for the design and implementation of conservation measures	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	✓	4.00	0.00	0.00	0.00
02 - Article 38 Limiting the impact of fishing on the marine environment and adapting fishing to the protection of species (+ art. 44.1.c Inland fishing)	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	✓	126.00	21.00	0.00	21.00
03 - Article 39 Innovation linked to the conservation of marine biological resources (+ art. 44.1.c Inland fishing)	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	✓	20.00	2.00	1.00	1.00
04 - Article 40.1.a Protection and restoration of marine biodiversity – collection of lost fishing gear and marine litter	06	1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems	✓	2.00	2.00	1.00	1.00
05 - Article 43.2 Fishing ports, landing sites, auction halls and shelters – investments to facilitate compliance with the obligation to land all catches	06	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters		30.00	2.00	2.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 37 Support for the design and implementation of conservation measures	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	0.00	0.00	0.00
02 - Article 38 Limiting the impact of fishing on the marine environment and adapting fishing to the protection of species (+ art. 44.1.c Inland fishing)	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	0.00	0.00	0.00
03 - Article 39 Innovation linked to the conservation of marine biological resources (+ art. 44.1.c Inland fishing)	06	1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species	0.00	0.00	0.00
04 - Article 40.1.a Protection and restoration of marine biodiversity – collection of lost fishing gear and marine litter	06	1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems	0.00	0.00	0.00
05 - Article 43.2 Fishing ports, landing sites, auction halls and shelters – investments to facilitate compliance with the obligation to land all catches	06	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters	0.00	0.00	0.00

Specific objective	2 - Protection and restoration of aquatic biodiversity and ecosystems
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Table 2: Output indicators for EMFF -1.2

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 40.1.b-g, i Protection and restoration of marine biodiversity – contribution to a better management or conservation, construction, installation or modernisation of static or movable facilities, preparation of protection and management plans related to NATURA2000 sites and spatial protected areas, management, restoration and monitoring marine protected areas, including NATURA 2000 sites, environmental awareness, participation in other actions aimed at maintaining and enhancing biodiversity and ecosystem services (+ art. 44.6 Inland fishing)	06	1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems	✓	50.00	198.00	70.00	66.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 40.1.b-g, i Protection and restoration of marine biodiversity – contribution to a better management or conservation, construction, installation or modernisation of static or movable facilities, preparation of protection and management plans related to NATURA2000 sites and spatial protected areas, management, restoration and monitoring marine protected areas, including NATURA 2000 sites, environmental awareness, participation in other actions aimed at maintaining and enhancing biodiversity and ecosystem services (+ art. 44.6 Inland fishing)	06	1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems	62.00	0.00	0.00

Specific objective	3 - Ensuring a balance between fishing capacity and available fishing opportunities
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Table 2: Output indicators for EMFF -1.3

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
02 - Article 36 Support to systems of allocation of fishing opportunities	06	1.2 - N° of projects on systems of allocation of fishing opportunities	✓	1.00	1.00	1.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
02 - Article 36 Support to systems of allocation of fishing opportunities	06	1.2 - N° of projects on systems of allocation of fishing opportunities	0.00	0.00	0.00

Specific objective	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions
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Table 2: Output indicators for EMFF -1.4

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 27 Advisory services (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with scientists		35.00	15.00	12.00	2.00
03 - Article 31 Start-up support for young fishermen (+ art. 44.2 Inland fishing)	03	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of	✓	15.00	5.00	4.00	1.00

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
		income, start-ups for fishermen and health/safety					
04 - Article 32 Health and safety (+ art. 44.1.b Inland fishing)	03	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	✓	100.00	25.00	5.00	16.00
06 - Article 35 Mutual funds for adverse climatic events and environmental incidents	03	1.11 - N° of projects on mutual funds		1.00	0.00		0.00
08 - Article 42 Added value, product quality and use of unwanted catches (+ art. 44.1.e Inland fishing)	03	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters		110.00	135.00	104.00	28.00
09 - Article 43.1 + 3 Fishing ports, landing sites, auction halls and shelters - investments improving fishing port and auctions halls infrastructure or landing sites and shelters; construction of shelters to improve safety of fishermen (+ art. 44.1.f Inland fishing)	03	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters		6.00	2.00	2.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 27 Advisory services (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with scientists	1.00	0.00	0.00
03 - Article 31 Start-up support for young fishermen (+ art. 44.2 Inland fishing)	03	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	0.00	0.00	0.00
04 - Article 32 Health and safety (+ art. 44.1.b Inland fishing)	03	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	4.00	0.00	0.00
06 - Article 35 Mutual funds for adverse climatic events and environmental incidents	03	1.11 - N° of projects on mutual funds	0.00	0.00	0.00
08 - Article 42 Added value, product quality and use of unwanted catches (+ art. 44.1.e Inland fishing)	03	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters	3.00	0.00	0.00
09 - Article 43.1 + 3 Fishing ports, landing sites, auction halls and shelters - investments improving fishing port and auctions halls infrastructure or landing sites and shelters; construction of shelters to improve safety of fishermen (+ art. 44.1.f Inland fishing)	03	1.3 - N° of projects on added value, quality, use of unwanted catches and fishing ports, landing sites, actions halls and shelters	0.00	0.00	0.00

Specific objective	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer
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Table 2: Output indicators for EMFF -1.5

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 26 Innovation (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with		10.00	41.00	29.00	12.00

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
		scientists					
02 - Article 28 Partnerships between fishermen and scientists (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with scientists		50.00	3.00	3.00	0.00
03 - Article 41.1.a, b, c Energy efficiency and mitigation of climate change – on board investments; energy efficiency audits and schemes; studies to assess the contribution of alternative propulsion systems and hull designs (+ art. 44.1.d Inland fishing)	04	1.7 - N° of projects on energy efficiency, mitigation of climate change		15.00	20.00	0.00	20.00
04 - Article 41.2 Energy efficiency and mitigation of climate change - Replacement or modernisation of main or ancillary engines (+ art. 44.1.d Inland fishing)	04	1.8 - N° of projects on replacement or modernisation of engines		10.00	0.00	0.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 26 Innovation (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with scientists	0.00	0.00	0.00
02 - Article 28 Partnerships between fishermen and scientists (+ art. 44.3 Inland fishing)	03	1.1 - N° of projects on innovation, advisory services and partnerships with scientists	0.00	0.00	0.00
03 - Article 41.1.a, b, c Energy efficiency and mitigation of climate change – on board investments; energy efficiency audits and schemes; studies to assess the contribution of alternative propulsion systems and hull designs (+ art. 44.1.d Inland fishing)	04	1.7 - N° of projects on energy efficiency, mitigation of climate change	0.00	0.00	0.00
04 - Article 41.2 Energy efficiency and mitigation of climate change - Replacement or modernisation of main or ancillary engines (+ art. 44.1.d Inland fishing)	04	1.8 - N° of projects on replacement or modernisation of engines	0.00	0.00	0.00

Specific objective	6 - Development of professional training, new professional skills and lifelong learning
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Table 2: Output indicators for EMFF -1.6

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 29.1 + 29.2 Promoting human capital and social dialogue - training, networking, social dialogue; support to spouses and life partners (+ art. 44.1.a Inland fishing)	08	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	✓	205.00	29.00	27.00	2.00
02 - Article 29.3 Promoting human capital and social dialogue – trainees on board of SSCF vessels / social dialogue (+ art. 44.1.a Inland fishing)	08	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	✓	5.00	0.00	0.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 29.1 + 29.2 Promoting human capital and social dialogue - training, networking, social dialogue; support to spouses and life partners (+ art. 44.1.a Inland fishing)	08	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	0.00	0.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
02 - Article 29.3 Promoting human capital and social dialogue – trainees on board of SSCF vessels / social dialogue (+ art. 44.1.a Inland fishing)	08	1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health/safety	0.00	0.00	0.00

Union priority	2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture
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Table 1: Result indicators for the EMFF - 2

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.1 - Change in volume of aquaculture production	tonnes	45,000.00000	11,699.00000	1,265.00000
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.2 - Change in value of aquaculture production	thousand Euros	112,000.00000	27,387.73000	8,064.00000
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.3 - Change in net profit	thousand Euros	47,800.00000	38,341.22000	4,583.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.1 - Change in volume of aquaculture production	tonnes	45,000.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.2 - Change in value of aquaculture production	thousand Euros	112,000.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.3 - Change in net profit	thousand Euros	47,800.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.8 - Employment created	FTE	450.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.9 - Employment maintained	FTE	250.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.4 - Change in the volume of production organic aquaculture	tonnes	3,500.00000	0.00000	0.00000

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.5 - Change in the volume of production recirculation system	tonnes	25.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.7 - Aquaculture farms providing environmental services	number	0.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.8 - Employment created	FTE	450.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.9 - Employment maintained	FTE	250.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.1 - Change in volume of aquaculture production	tonnes	45,000.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.2 - Change in value of aquaculture production	thousand Euros	112,000.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.4 - Change in the volume of production organic aquaculture	tonnes	3,000.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.5 - Change in the volume of production recirculation system	tonnes	25.00000	0.00000	0.00000
5 - Development of professional training, new professional skills and lifelong learning	2.8 - Employment created	FTE	450.00000	0.00000	0.00000
5 - Development of professional training, new professional skills and lifelong learning	2.9 - Employment maintained	FTE	250.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.1 - Change in volume of aquaculture production	6,516.00000	3,918.00000	0.00000	0.00000
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.2 - Change in value of aquaculture production	14,368.73000	4,955.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Provision of support to strengthen technological development, innovation and knowledge transfer	2.3 - Change in net profit	23,570.22000	10,188.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.1 - Change in volume of aquaculture production	3,435.00000	3,918.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.2 - Change in value of aquaculture production	8,894.00000	22,502.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.3 - Change in net profit	5,461.00000	10,188.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.8 - Employment created	0.00000	0.00000	0.00000	0.00000
2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	2.9 - Employment maintained	0.00000	0.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.4 - Change in the volume of production organic aquaculture	0.00000	200.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.5 - Change in the volume of production recirculation system	0.00000	0.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.7 - Aquaculture farms providing environmental services	0.00000	0.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.8 - Employment created	0.00000	0.00000	0.00000	0.00000
3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	2.9 - Employment maintained	0.00000	0.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.1 - Change in volume of aquaculture production	0.00000	0.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.2 - Change in value of aquaculture production	0.00000	0.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.4 - Change in the volume of production organic aquaculture	0.00000	0.00000	0.00000	0.00000
4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	2.5 - Change in the volume of production recirculation system	0.00000	0.00000	0.00000	0.00000
5 - Development of professional training, new professional skills and lifelong learning	2.8 - Employment created	66.00000	59.00000	0.00000	0.00000
5 - Development of professional training, new professional skills and lifelong learning	2.9 - Employment maintained	184.00000	118.00000	0.00000	0.00000

Specific objective	1 - Provision of support to strengthen technological development, innovation and knowledge transfer
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Table 2: Output indicators for EMFF -2.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 47 Innovation	03	2.1 - N° of projects on innovation, advisory services	✓	150.00	35.00	19.00	10.00
02 - Article 49 Management, relief and advisory services for aquaculture farms	03	2.1 - N° of projects on innovation, advisory services	✓	40.00	9.00	4.00	5.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 47 Innovation	03	2.1 - N° of projects on innovation, advisory services	6.00	0.00	0.00
02 - Article 49 Management, relief and advisory services for aquaculture farms	03	2.1 - N° of projects on innovation, advisory services	0.00	0.00	0.00

Specific objective	2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs
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Table 2: Output indicators for EMFF -2.2

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 48.1.a-d, f-h Productive investments in aquaculture	03	2.2 - N° of projects on productive investments in aquaculture	✓	110.00	78.00	42.00	19.00
02 - Article 52 Encouraging new sustainable aquaculture farmers	03	2.5 - N° of projects on promoting human capital of aquaculture in general and of new aquaculture farmers		65.00	0.00	0.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 48.1.a-d, f-h Productive investments in aquaculture	03	2.2 - N° of projects on productive investments in aquaculture	17.00	0.00	0.00
02 - Article 52 Encouraging new sustainable aquaculture farmers	03	2.5 - N° of projects on promoting human capital of aquaculture in general and of new aquaculture farmers	0.00	0.00	0.00

Specific objective	3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture
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Table 2: Output indicators for EMFF -2.3

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
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Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
03 - Article 51 Increasing the potential of aquaculture sites	06	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health		1.00	1.00	1.00	0.00
04 - Article 53 Conversion to eco-management and audit schemes and organic aquaculture	06	2.3 - N° of projects on limiting the impact of aquaculture on the environment (eco-management, audit schemes, organic aquaculture environmental services)		25.00	0.00		0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
03 - Article 51 Increasing the potential of aquaculture sites	06	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health	0.00	0.00	0.00
04 - Article 53 Conversion to eco-management and audit schemes and organic aquaculture	06	2.3 - N° of projects on limiting the impact of aquaculture on the environment (eco-management, audit schemes, organic aquaculture environmental services)	0.00	0.00	0.00

Specific objective	4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety
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Table 2: Output indicators for EMFF -2.4

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
02 - Article 55 Public health measures	03	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health		15.00	0.00		0.00
03 - Article 56 Animal health and welfare measures	03	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health		15.00	0.00		0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
02 - Article 55 Public health measures	03	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health	0.00	0.00	0.00
03 - Article 56 Animal health and welfare measures	03	2.4 - N° of projects on increasing potential of aquaculture sites and measures on public and animal health	0.00	0.00	0.00

Specific objective	5 - Development of professional training, new professional skills and lifelong learning
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Table 2: Output indicators for EMFF -2.5

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 50 Promoting human capital and networking	08	2.5 - N° of projects on promoting human capital of aquaculture in general and of new aquaculture farmers		10.00	1.00	1.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 50 Promoting human capital and networking	08	2.5 - N° of projects on promoting human capital of aquaculture in general and of new aquaculture farmers	0.00	0.00	0.00

Union priority	3 - Fostering the implementation of the CFP
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Table 1: Result indicators for the EMFF - 3

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Improvement and supply of scientific knowledge and collection and management of data	3.B.1 - Increase in the percentage of fulfilment of data calls	%	5.00000	5.00000	0.00000
2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	3.A.1 - Number of serious infringements detected	number	1,000.00000	246.00000	66.00000
2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	3.A.2 - Landings that have been the subject to physical control	%	17.00000	7.79000	9.50000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Improvement and supply of scientific knowledge and collection and management of data	3.B.1 - Increase in the percentage of fulfilment of data calls	0.00000	5.00000	0.00000	0.00000
2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	3.A.1 - Number of serious infringements detected	36.00000	47.00000	52.00000	45.00000
2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	3.A.2 - Landings that have been the subject to physical control	7.00000	7.25000	7.70000	7.50000

Specific objective	1 - Improvement and supply of scientific knowledge and collection and management of data
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Table 2: Output indicators for EMFF -3.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 77 Data collection	06	3.2 - N° of projects on supporting the collection, management and use of data	✓	2.00	2.00		1.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 77 Data collection	06	3.2 - N° of projects on supporting the collection, management and use of data	0.00	0.00	1.00

Specific objective	2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden
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Table 2: Output indicators for EMFF -3.2

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 76 Control and enforcement	06	3.1 - N° of projects on implementing the Union's control, inspections and enforcement system	✓	10.00	13.00	8.00	4.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 76 Control and enforcement	06	3.1 - N° of projects on implementing the Union's control, inspections and enforcement system	0.00	1.00	0.00

Union priority	4 - Increasing employment and territorial cohesion
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Table 1: Result indicators for the EMFF - 4

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
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Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	4.1 - Employment created (FTE)	FTE	150.00000	0.00000	0.00000
1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	4.2 - Employment maintained (FTE)	FTE	10.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	4.1 - Employment created (FTE)	0.00000	0.00000	0.00000	0.00000
1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	4.2 - Employment maintained (FTE)	0.00000	0.00000	0.00000	0.00000

Specific objective	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy
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Table 2: Output indicators for EMFF -4.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 62.1.a Preparatory support	08	4.2 - N° of projects on preparatory support		7.00	7.00	0.00	0.00
02 - Article 63 Implementation of local development strategies (incl. running costs and animation)	08	4.1 - N° of local development strategies selected	✓	7.00	7.00	0.00	0.00
03 - Article 64 Cooperation activities	08	4.3 - N° of cooperation projects		7.00	0.00	0.00	0.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 62.1.a Preparatory support	08	4.2 - N° of projects on preparatory support	7.00	0.00	0.00
02 - Article 63 Implementation of local development strategies (incl. running costs and animation)	08	4.1 - N° of local development strategies selected	7.00	0.00	0.00
03 - Article 64 Cooperation activities	08	4.3 - N° of cooperation projects	0.00	0.00	0.00

Union priority	5 - Fostering marketing and processing
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Table 1: Result indicators for the EMFF - 5

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Improvement of market organisation for fishery and aquaculture products	5.1.a - Change in value of first sales in POs	thousand Euros	0.00000		
1 - Improvement of market organisation for fishery and aquaculture products	5.1.b - Change in volume of first sales in POs	tonnes	0.00000		
1 - Improvement of market organisation for fishery and aquaculture products	5.1.c - Change in value of first sales in non-POs	thousand Euros	20,000.00000		
1 - Improvement of market organisation for fishery and aquaculture products	5.1.d - Change in volume of first sales in non-POs	tonnes	30,000.00000		
2 - Encouragement of investment in the processing and marketing sectors	5.1.a - Change in value of first sales in POs	thousand Euros	0.00000		

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
2 - Encouragement of investment in the processing and marketing sectors	5.1.b - Change in volume of first sales in POs	tonnes	0.00000		
2 - Encouragement of investment in the processing and marketing sectors	5.1.c - Change in value of first sales in non-POs	thousand Euros	20,000.00000		
2 - Encouragement of investment in the processing and marketing sectors	5.1.d - Change in volume of first sales in non-POs	tonnes	30,000.00000		

Specific objective	Result indicator	2017	2016	2015	2014
1 - Improvement of market organisation for fishery and aquaculture products	5.1.a - Change in value of first sales in POs	0.00000	0.00000	0.00000	0.00000
1 - Improvement of market organisation for fishery and aquaculture products	5.1.b - Change in volume of first sales in POs	0.00000	0.00000	0.00000	0.00000
1 - Improvement of market organisation for fishery and aquaculture products	5.1.c - Change in value of first sales in non-POs	0.00000	0.00000	0.00000	0.00000
1 - Improvement of market organisation for fishery and aquaculture products	5.1.d - Change in volume of first sales in non-POs	0.00000	0.00000	0.00000	0.00000
2 - Encouragement of investment in the processing and marketing sectors	5.1.a - Change in value of first sales in POs	0.00000	0.00000	0.00000	0.00000
2 - Encouragement of investment in the processing and marketing sectors	5.1.b - Change in volume of first sales in POs	0.00000	0.00000	0.00000	0.00000
2 - Encouragement of investment in the processing and marketing sectors	5.1.c - Change in value of first sales in non-POs	0.00000	87,221.00000	0.00000	0.00000
2 - Encouragement of investment in the processing and marketing sectors	5.1.d - Change in volume of first sales in non-POs	0.00000	32,250.00000	0.00000	0.00000

Specific objective	1 - Improvement of market organisation for fishery and aquaculture products
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Table 2: Output indicators for EMFF -5.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 66 Production and marketing plans	03	5.1 - N° of producers organisations or associations of producers organisations supported for production and marketing plans		5.00	22.00	4.00	7.00
02 - Article 67 Storage aid	03	5.2 - N° of projects on marketing measures and storage aid		1.00	0.00	0.00	0.00
03 - Article 68 Marketing measures	03	5.2 - N° of projects on marketing measures and storage aid	✓	30.00	31.00	3.00	19.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 66 Production and marketing plans	03	5.1 - N° of producers organisations or associations of producers organisations supported for production and marketing plans	11.00	0.00	0.00
02 - Article 67 Storage aid	03	5.2 - N° of projects on marketing measures and storage aid	0.00	0.00	0.00
03 - Article 68 Marketing measures	03	5.2 - N° of projects on marketing measures and storage aid	9.00	0.00	0.00

Specific objective	2 - Encouragement of investment in the processing and marketing sectors
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Table 2: Output indicators for EMFF -5.2

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 69 Processing of fisheries and aquaculture products	03	5.3 - N° of projects on processing	✓	100.00	92.00	30.00	33.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 69 Processing of fisheries and aquaculture products	03	5.3 - N° of projects on processing	29.00	0.00	0.00

Union priority	6 - Fostering the implementation of the Integrated Maritime Policy
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Table 1: Result indicators for the EMFF - 6

Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
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Specific objective	Result indicator	Measurement unit	Target value (2023)	Cumulative value	2018
1 - Development and implementation of the Integrated Maritime Policy	6.1 - Increase in the Common Information Sharing Environment (CISE) for the surveillance of the EU maritime domain	%	20.00000	0.00000	0.00000
1 - Development and implementation of the Integrated Maritime Policy	6.2.b - Change in the coverage of other spatial protection measures under Art. 13.4 of the Directive 2008/56/EC	Km ²	4,135.00000	0.00000	0.00000

Specific objective	Result indicator	2017	2016	2015	2014
1 - Development and implementation of the Integrated Maritime Policy	6.1 - Increase in the Common Information Sharing Environment (CISE) for the surveillance of the EU maritime domain	0.00000	0.00000	0.00000	0.00000
1 - Development and implementation of the Integrated Maritime Policy	6.2.b - Change in the coverage of other spatial protection measures under Art. 13.4 of the Directive 2008/56/EC	0.00000	0.00000	0.00000	0.00000

Specific objective	1 - Development and implementation of the Integrated Maritime Policy
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Table 2: Output indicators for EMFF -6.1

Selected relevant measures	Thematic objective	Output indicator	Included into the performance framework	Target value (2023)	Cumulative value	2018	2017
01 - Article 80.1.a Integrating Maritime Surveillance	06	6.1 - N° of projects on integrating maritime surveillance		1.00	0.00		
02 - Article 80.1.b Promotion of the protection of marine environment, and the sustainable use of marine and coastal resources	06	6.2 - N° projects on the protection and improvement of knowledge on marine environment	✓	4.00	7.00	6.00	1.00
03 - Article 80.1.c Improving the knowledge on the state of the marine environment	06	6.2 - N° projects on the protection and improvement of knowledge on marine environment	✓	1.00	14.00	5.00	9.00

Selected relevant measures	Thematic objective	Output indicator	2016	2015	2014
01 - Article 80.1.a Integrating Maritime Surveillance	06	6.1 - N° of projects on integrating maritime surveillance	0.00	0.00	0.00
02 - Article 80.1.b Promotion of the protection of marine environment, and the sustainable use of marine and coastal resources	06	6.2 - N° projects on the protection and improvement of knowledge on marine environment	0.00	0.00	0.00
03 - Article 80.1.c Improving the knowledge on the state of the marine environment	06	6.2 - N° projects on the protection and improvement of knowledge on marine environment	0.00	0.00	0.00

Table 3: Financial indicators for EMFF

Union priority	Milestone (2018)	Target value (2023)	Cumulative value	2018	2017
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	14,000,000.00	55,590,000.00	14,369,957.39	13,577,131.65	792,825.74
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	5,000,000.00	29,800,000.00	4,984,919.75	3,398,664.42	1,586,255.33
3 - Fostering the implementation of the CFP	40,000,000.00	84,924,202.00	33,572,754.69	11,779,408.01	21,793,346.68
4 - Increasing employment and territorial cohesion	3,750,000.00	12,000,000.00	3,717,280.79	3,717,280.79	0.00
5 - Fostering marketing and processing	10,500,000.00	38,281,587.00	9,036,219.03	4,432,865.65	4,603,353.38
6 - Fostering the implementation of the Integrated Maritime Policy	2,000,000.00	10,669,344.00	3,838,483.53	3,838,483.53	0.00
7 - Technical assistance			274,192.60	274,192.60	0.00

Union priority	2016	2015	2014
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	0.00	0.00	0.00
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	0.00	0.00	0.00
3 - Fostering the implementation of the CFP	0.00	0.00	0.00
4 - Increasing employment and territorial cohesion	0.00	0.00	0.00
5 - Fostering marketing and processing	0.00	0.00	0.00
6 - Fostering the implementation of the Integrated Maritime Policy	0.00	0.00	0.00
7 - Technical assistance	0.00	0.00	0.00

3.3. Financial data

Table 4: Financial data for the EMFF

Union priority	Selected specific objective	Thematic objective	Measure	Total public contribution (EUR)	EMFF contribution (EUR)	Contribution to climate change from EMFF contribution (EUR)	EMFF co-financing rate (%)	Total eligible expenditure of operations selected for support (EUR)	Total public contribution of operations selected for support (EUR)	Proportion of the total allocation covered with selected operations (%)
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	01 - Article 37 Support for the design and implementation of conservation measures	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	02 - Article 38 Limiting the impact of fishing on the marine environment and adapting fishing to the protection of species (+ art. 44.1.c Inland fishing)	1,000,000.00	500,000.00	200,000.00	50.00%	483,361.02	209,319.00	20.93%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	03 - Article 39 Innovation linked to the conservation of marine biological resources (+ art. 44.1.c Inland fishing)	1,000,000.00	500,000.00	200,000.00	50.00%	687,000.00	687,000.00	68.70%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	04 - Article 40.1.a Protection and restoration of marine biodiversity – collection of lost fishing gear and marine litter	1,000,000.00	500,000.00	0.00	50.00%	363,000.00	363,000.00	36.30%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	05 - Article 43.2 Fishing ports, landing sites, auction halls and shelters – investments to facilitate compliance with the obligation to land all catches	1,000,000.00	500,000.00	0.00	50.00%	711,648.00	426,988.00	42.70%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	2 - Protection and restoration of aquatic biodiversity and ecosystems	06	01 - Article 40.1.b-g, i Protection and restoration of marine biodiversity – contribution to a better management or conservation, construction, installation or modernisation of static or movable facilities, preparation of protection and management plans related to NATURA2000 sites and spatial	6,000,000.00	3,000,000.00	1,200,000.00	50.00%	2,775,646.72	2,421,092.78	40.35%

Union priority	Selected specific objective	Thematic objective	Measure	Total public contribution (EUR)	EMFF contribution (EUR)	Contribution to climate change from EMFF contribution (EUR)	EMFF co-financing rate (%)	Total eligible expenditure of operations selected for support (EUR)	Total public contribution of operations selected for support (EUR)	Proportion of the total allocation covered with selected operations (%)
fisheries			protected areas, management, restoration and monitoring marine protected areas, including NATURA 2000 sites, environmental awareness, participation in other actions aimed at maintaining and enhancing biodiversity and ecosystem services (+ art. 44.6 Inland fishing)							
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	3 - Ensuring a balance between fishing capacity and available fishing opportunities	06	02 - Article 36 Support to systems of allocation of fishing opportunities	2,000,000.00	1,000,000.00	400,000.00	50.00%	2,000,000.00	2,000,000.00	100.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	01 - Article 27 Advisory services (+ art. 44.3 Inland fishing)	5,000,000.00	2,500,000.00	0.00	50.00%	5,660,440.00	3,341,596.81	66.83%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	03 - Article 31 Start-up support for young fishermen (+ art. 44.2 Inland fishing)	500,000.00	250,000.00	0.00	50.00%	1,130,000.00	282,500.00	56.50%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	04 - Article 32 Health and safety (+ art. 44.1.b Inland fishing)	1,000,000.00	500,000.00	0.00	50.00%	703,858.71	299,153.00	29.92%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	06 - Article 35 Mutual funds for adverse climatic events and environmental incidents	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	08 - Article 42 Added value, product quality and use of unwanted catches (+ art. 44.1.e Inland fishing)	6,500,000.00	3,250,000.00	0.00	50.00%	7,531,230.70	3,080,894.12	47.40%

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fisheries										
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	09 - Article 43.1 + 3 Fishing ports, landing sites, auction halls and shelters - investments improving fishing port and auctions halls infrastructure or landing sites and shelters; construction of shelters to improve safety of fishermen (+ art. 44.1.f Inland fishing)	14,600,000.00	7,300,000.00	2,920,000.00	50.00%	25,000,000.00	14,600,000.00	100.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	03	01 - Article 26 Innovation (+ art. 44.3 Inland fishing)	6,490,000.00	3,245,000.00		50.00%	3,894,602.88	3,594,161.69	55.38%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	03	02 - Article 28 Partnerships between fishermen and scientists (+ art. 44.3 Inland fishing)	500,000.00	250,000.00		50.00%	140,000.00	140,000.00	28.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	04	03 - Article 41.1.a, b, c Energy efficiency and mitigation of climate change – on board investments; energy efficiency audits and schemes; studies to assess the contribution of alternative propulsion systems and hull designs (+ art. 44.1.d Inland fishing)	2,500,000.00	1,250,000.00	1,250,000.00	50.00%	1,763,331.50	708,275.00	28.33%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	04	04 - Article 41.2 Energy efficiency and mitigation of climate change - Replacement or modernisation of main or ancillary engines (+ art. 44.1.d Inland fishing)	1,000,000.00	500,000.00	500,000.00	50.00%	0.00	0.00	0.00%
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	6 - Development of professional training, new professional skills and lifelong learning	08	01 - Article 29.1 + 29.2 Promoting human capital and social dialogue - training, networking, social dialogue; support to spouses and life partners (+ art. 44.1.a Inland fishing)	5,000,000.00	2,500,000.00		50.00%	3,173,983.66	2,698,159.64	53.96%
1 - Promoting environmentally sustainable, resource	6 - Development of professional training, new professional skills and lifelong learning	08	02 - Article 29.3 Promoting human capital and social dialogue – trainees on board of SSCF vessels / social dialogue (+ art. 44.1.a Inland fishing)	500,000.00	250,000.00		50.00%	0.00	0.00	0.00%

Union priority	Selected specific objective	Thematic objective	Measure	Total public contribution (EUR)	EMFF contribution (EUR)	Contribution to climate change from EMFF contribution (EUR)	EMFF co-financing rate (%)	Total eligible expenditure of operations selected for support (EUR)	Total public contribution of operations selected for support (EUR)	Proportion of the total allocation covered with selected operations (%)
efficient, innovative, competitive and knowledge based fisheries										
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	1 - Provision of support to strengthen technological development, innovation and knowledge transfer	03	01 - Article 47 Innovation	10,000,000.00	5,000,000.00		50.00%	5,900,310.71	5,569,681.27	55.70%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	1 - Provision of support to strengthen technological development, innovation and knowledge transfer	03	02 - Article 49 Management, relief and advisory services for aquaculture farms	5,400,000.00	2,700,000.00		50.00%	977,500.00	977,500.00	18.10%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	03	01 - Article 48.1.a-d, f-h Productive investments in aquaculture	14,200,000.00	7,100,000.00		50.00%	13,285,188.40	5,170,473.51	36.41%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	03	02 - Article 52 Encouraging new sustainable aquaculture farmers	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	06	03 - Article 51 Increasing the potential of aquaculture sites	100,000.00	50,000.00	20,000.00	50.00%	15,000.00	15,000.00	15.00%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	06	04 - Article 53 Conversion to eco-management and audit schemes and organic aquaculture	0.00	0.00		0.00%	0.00	0.00	0.00%

Union priority	Selected specific objective	Thematic objective	Measure	Total public contribution (EUR)	EMFF contribution (EUR)	Contribution to climate change from EMFF contribution (EUR)	EMFF co-financing rate (%)	Total eligible expenditure of operations selected for support (EUR)	Total public contribution of operations selected for support (EUR)	Proportion of the total allocation covered with selected operations (%)
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	03	02 - Article 55 Public health measures	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	03	03 - Article 56 Animal health and welfare measures	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	5 - Development of professional training, new professional skills and lifelong learning	08	01 - Article 50 Promoting human capital and networking	100,000.00	50,000.00		50.00%	35,000.00	35,000.00	35.00%
3 - Fostering the implementation of the CFP	1 - Improvement and supply of scientific knowledge and collection and management of data	06	01 - Article 77 Data collection	40,696,323.00	32,557,058.00		80.00%	44,371,098.00	40,696,323.00	100.00%
3 - Fostering the implementation of the CFP	2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	06	01 - Article 76 Control and enforcement	44,227,879.00	37,233,662.00	0.00	84.19%	29,442,143.00	29,442,143.00	66.57%
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	08	01 - Article 62.1.a Preparatory support	0.00	0.00	0.00	0.00%	0.00	0.00	0.00%
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the	08	02 - Article 63 Implementation of local development strategies (incl. running costs and animation)	11,650,000.00	5,825,000.00	2,330,000.00	50.00%	8,843,835.39	5,211,271.41	44.73%

Union priority	Selected specific objective	Thematic objective	Measure	Total public contribution (EUR)	EMFF contribution (EUR)	Contribution to climate change from EMFF contribution (EUR)	EMFF co-financing rate (%)	Total eligible expenditure of operations selected for support (EUR)	Total public contribution of operations selected for support (EUR)	Proportion of the total allocation covered with selected operations (%)
	diversification of activities within fisheries and into other sectors of maritime economy									
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	08	03 - Article 64 Cooperation activities	350,000.00	175,000.00		50.00%	0.00	0.00	0.00%
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	01 - Article 66 Production and marketing plans	3,000,000.00	1,500,000.00		50.00%	3,209,197.14	1,446,780.14	48.23%
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	02 - Article 67 Storage aid	1,281,587.00	1,281,587.00	0.00	100.00%	0.00	0.00	0.00%
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	03 - Article 68 Marketing measures	14,000,000.00	7,000,000.00		50.00%	6,826,528.44	5,948,346.44	42.49%
5 - Fostering marketing and processing	2 - Encouragement of investment in the processing and marketing sectors	03	01 - Article 69 Processing of fisheries and aquaculture products	20,000,000.00	10,000,000.00		50.00%	41,498,775.94	9,492,651.85	47.46%
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	01 - Article 80.1.a Integrating Maritime Surveillance	0.00	0.00		0.00%	0.00	0.00	0.00%
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	02 - Article 80.1.b Promotion of the protection of marine environment, and the sustainable use of marine and coastal resources	6,000,000.00	3,000,000.00	1,200,000.00	50.00%	2,500,000.00	2,500,000.00	41.67%
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	03 - Article 80.1.c Improving the knowledge on the state of the marine environment	4,669,344.00	2,334,672.00	933,868.80	50.00%	4,522,900.00	4,522,900.00	96.86%
7 - Technical assistance	1 - Technical assistance		01 - Article 78 Technical assistance at the initiative of the Member States	8,000,000.00	4,000,000.00	0.00	50.00%	6,154,690.00	6,154,690.00	76.93%
Total				239,265,133.00	147,601,979.00	11,153,868.80	61.69%	223,600,270.21	152,034,900.66	63.54%

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	01 - Article 37 Support for the design and implementation of conservation measures	0.00	0.00	0.00	0.00	0.00	0
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	02 - Article 38 Limiting the impact of fishing on the marine environment and adapting fishing to the protection of species (+ art. 44.1.c Inland fishing)	41,863.80	470,677.00	209,319.00	20.93	41,863.80	21
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	03 - Article 39 Innovation linked to the conservation of marine biological resources (+ art. 44.1.c Inland fishing)	137,400.00	170,956.74	170,956.74	17.10	34,191.35	2
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	04 - Article 40.1.a Protection and restoration of marine biodiversity – collection of lost fishing gear and marine litter	0.00	140,042.19	140,042.19	14.00	0.00	2
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches	06	05 - Article 43.2 Fishing ports, landing sites, auction halls and shelters – investments to facilitate compliance with the obligation to land all catches	0.00	311,678.52	187,007.11	18.70	0.00	2
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	2 - Protection and restoration of aquatic biodiversity and ecosystems	06	01 - Article 40.1.b-g, i Protection and restoration of marine biodiversity – contribution to a better management or conservation, construction, installation or modernisation of static or movable facilities, preparation of protection and management plans related to NATURA2000 sites and spatial protected areas, management, restoration and monitoring marine protected areas, including NATURA 2000 sites, environmental awareness, participation in other actions aimed at maintaining and enhancing biodiversity and	484,218.56	2,198,456.80	1,843,902.86	30.73	368,780.57	198

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
			ecosystem services (+ art. 44.6 Inland fishing)						
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	3 - Ensuring a balance between fishing capacity and available fishing opportunities	06	02 - Article 36 Support to systems of allocation of fishing opportunities	400,000.00	737,231.71	737,231.71	36.86	147,446.34	1
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	01 - Article 27 Advisory services (+ art. 44.3 Inland fishing)	0.00	3,433,024.25	2,420,241.13	48.40	0.00	15
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	03 - Article 31 Start-up support for young fishermen (+ art. 44.2 Inland fishing)	0.00	1,130,000.00	282,500.00	56.50	0.00	5
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	04 - Article 32 Health and safety (+ art. 44.1.b Inland fishing)	0.00	697,962.71	299,153.00	29.92	0.00	25
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	06 - Article 35 Mutual funds for adverse climatic events and environmental incidents	0.00	0.00	0.00	0.00	0.00	0
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions	03	08 - Article 42 Added value, product quality and use of unwanted catches (+ art. 44.1.e Inland fishing)	0.00	7,129,310.56	2,916,045.54	44.86	0.00	135
1 - Promoting	4 - Enhancement of the	03	09 - Article 43.1 + 3 Fishing ports, landing sites,	2,920,000.00	7,670,621.31	7,670,621.31	52.54	1,534,124.26	2

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions		auction halls and shelters - investments improving fishing port and auctions halls infrastructure or landing sites and shelters; construction of shelters to improve safety of fishermen (+ art. 44.1.f Inland fishing)						
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	03	01 - Article 26 Innovation (+ art. 44.3 Inland fishing)		3,092,471.42	2,953,258.50	45.50		41
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	03	02 - Article 28 Partnerships between fishermen and scientists (+ art. 44.3 Inland fishing)		35,250.00	35,250.00	7.05		3
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	04	03 - Article 41.1.a, b, c Energy efficiency and mitigation of climate change – on board investments; energy efficiency audits and schemes; studies to assess the contribution of alternative propulsion systems and hull designs (+ art. 44.1.d Inland fishing)	354,137.50	1,742,891.00	708,275.00	28.33	354,137.50	20
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer	04	04 - Article 41.2 Energy efficiency and mitigation of climate change - Replacement or modernisation of main or ancillary engines (+ art. 44.1.d Inland fishing)	0.00	0.00	0.00	0.00	0.00	0
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	6 - Development of professional training, new professional skills and lifelong learning	08	01 - Article 29.1 + 29.2 Promoting human capital and social dialogue - training, networking, social dialogue; support to spouses and life partners (+ art. 44.1.a Inland fishing)		2,905,684.61	2,496,489.63	49.93		29
1 - Promoting environmentally sustainable, resource efficient, innovative,	6 - Development of professional training, new professional skills and lifelong learning	08	02 - Article 29.3 Promoting human capital and social dialogue – trainees on board of SSCF vessels / social dialogue (+ art. 44.1.a Inland fishing)		0.00	0.00	0.00		0

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
competitive and knowledge based fisheries									
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	1 - Provision of support to strengthen technological development, innovation and knowledge transfer	03	01 - Article 47 Innovation		3,442,224.41	3,355,886.71	33.56		35
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	1 - Provision of support to strengthen technological development, innovation and knowledge transfer	03	02 - Article 49 Management, relief and advisory services for aquaculture farms		904,298.62	904,298.62	16.75		9
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	03	01 - Article 48.1.a-d, f-h Productive investments in aquaculture		10,783,840.34	4,223,847.11	29.75		78
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs	03	02 - Article 52 Encouraging new sustainable aquaculture farmers	0.00	0.00	0.00	0.00	0.00	0
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	06	03 - Article 51 Increasing the potential of aquaculture sites	3,000.00	15,000.00	15,000.00	15.00	3,000.00	1
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture	06	04 - Article 53 Conversion to eco-management and audit schemes and organic aquaculture		0.00	0.00	0.00		0

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	03	02 - Article 55 Public health measures	0.00	0.00	0.00	0.00	0.00	0
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety	03	03 - Article 56 Animal health and welfare measures	0.00	0.00	0.00	0.00	0.00	0
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	5 - Development of professional training, new professional skills and lifelong learning	08	01 - Article 50 Promoting human capital and networking		35,000.00	35,000.00	35.00		1
3 - Fostering the implementation of the CFP	1 - Improvement and supply of scientific knowledge and collection and management of data	06	01 - Article 77 Data collection		34,609,990.33	34,609,990.33	85.04		2
3 - Fostering the implementation of the CFP	2 - Provision of support to monitoring, control and enforcement, enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden	06	01 - Article 76 Control and enforcement	0.00	11,296,724.36	11,296,724.36	25.54	0.00	13
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	08	01 - Article 62.1.a Preparatory support	0.00	0.00	0.00	0.00	0.00	0
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including	08	02 - Article 63 Implementation of local development strategies (incl. running costs and animation)	1,042,254.28	6,371,430.28	3,776,651.16	32.42	755,330.23	400

Union priority	Selected specific objective	Thematic objective	Measure	Contribution to climate change of operations selected for support (EUR)	Total eligible expenditure declared by beneficiaries to the Managing Authority (EUR)	Total eligible public expenditure declared by beneficiaries to the Managing Authority (EUR)	Proportion of total eligible public expenditure declared by beneficiaries of the total allocation (%)	Contribution to climate change of total eligible public expenditures declared by beneficiaries to the Managing Authority (EUR)	Number of operations selected
	the diversification of activities within fisheries and into other sectors of maritime economy								
4 - Increasing employment and territorial cohesion	1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy	08	03 - Article 64 Cooperation activities		0.00	0.00	0.00		0
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	01 - Article 66 Production and marketing plans		2,888,375.09	1,443,514.18	48.12		22
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	02 - Article 67 Storage aid	0.00	0.00	0.00	0.00	0.00	0
5 - Fostering marketing and processing	1 - Improvement of market organisation for fishery and aquaculture products	03	03 - Article 68 Marketing measures		6,040,766.47	5,612,850.48	40.09		33
5 - Fostering marketing and processing	2 - Encouragement of investment in the processing and marketing sectors	03	01 - Article 69 Processing of fisheries and aquaculture products		22,660,366.95	6,498,253.21	32.49		92
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	01 - Article 80.1.a Integrating Maritime Surveillance		0.00	0.00	0.00		0
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	02 - Article 80.1.b Promotion of the protection of marine environment, and the sustainable use of marine and coastal resources	500,000.00	2,067,092.64	2,067,092.64	34.45	413,418.53	7
6 - Fostering the implementation of the Integrated Maritime Policy	1 - Development and implementation of the Integrated Maritime Policy	06	03 - Article 80.1.c Improving the knowledge on the state of the marine environment	904,580.00	1,771,390.91	1,771,390.91	37.94	354,278.18	14
7 - Technical assistance	1 - Technical assistance		01 - Article 78 Technical assistance at the initiative of the Member States	0.00	2,142,134.58	2,140,067.61	26.75	0.00	7
Total				6,787,454.14	136,894,893.80	100,820,861.04	42.14	4,006,570.76	1,215

Table 5: Cost of operations implemented outside the programme area (Article 70 of Regulation (EU) No 1303/2013)

Union priority	Eligible expenditure within the EMFF incurred in operations implemented outside the programme area declared by the beneficiary to the managing authority (EUR)	Share of the EMFF support to the union priority at the time of adoption of the programme (%)
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries		
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture		
3 - Fostering the implementation of the CFP		
4 - Increasing employment and territorial cohesion		
5 - Fostering marketing and processing	1,938,857.00	9.80%
6 - Fostering the implementation of the Integrated Maritime Policy		
7 - Technical assistance		
TOTAL OP	1,938,857.00	1.31%

4. ISSUES AFFECTING THE PERFORMANCE OF THE PROGRAMME AND CORRECTIVE MEASURES TAKEN

4.1. Actions taken to fulfil the ex-ante conditionalities (Article 50(4) of Regulation (EU) No 1303/2013)

Table 6: Actions taken to fulfil applicable EMFF-specific ex-ante conditionalities

Thematic ex-ante conditionalities which are not or partially fulfilled	Criteria not fulfilled	Action to be taken	Deadline	Bodies responsible for fulfilment	Action completed by the deadline	Criteria fulfilled	Expected date for full implementation of remaining actions	Commentary
4	6 - A description of the administrative capacity to apply the point system for serious infringements, as provided for in Article 92 of Regulation (EC) No 1224/2009	<p>Step 1: Examine the issues raised following stakeholders consultation with a view to addressing, where appropriate, concerns raised, which would not undermine the overarching intent for enhanced control capabilities.</p> <p>Outcome: Legislative proposal Submitted To Government</p>	30-Nov-2015	Department of Agriculture, Food & the Marine.	No	No		<p>Masters points; It has been necessary to implement the Masters points system through primary legislation as the EU regulations do not provide sufficient policies and principles to allow the articles to have direct applicability. This means that a national legal framework must be developed for the system which respects both national and EU law. It is vital that the system put in place in respect of Articles 92(6) and 134 is legally sound and robust.</p> <p>Draft legislation has been prepared by the Department whose main purpose is to provide for a points system for masters of fishing vessels for serious infringements of the rules of the Common Fisheries Policy, as required by Council Regulation 1224/2009. The Department is currently in consultation with the State's legal advisors, the Attorney General's Office on certain matters pertaining to the draft legislation and this work is ongoing.</p> <p>Licence Holders points: Ireland has made a number of attempts to implement the points system for licence holders. The European Communities (Common Fisheries Policy)(Point System) Regulations 2014 (Statutory Instrument (SI) No. 3 of 2014) was drafted to give effect to the requirement of Article 92 of Council Regulation 1224/2009 providing for a points system in respect of serious infringements of the rules of the CFP by licence holders. The Irish fishing industry took two successful High Court Challenges in early 2016 to S.I. No. 3 of 2014. These cases were appealed by the State to the Supreme Court, which delivered its judgments in December 2017.</p> <p>Two Statutory instruments were since drafted to remedy the deficiencies in S.I. No. 3 of 2014. S.I. No. 125 of 2016 (The European Communities (Common Fisheries Policy) (Point System) Regulations 2016) was signed into force in March 2016. This S.I. took on board, to the extent possible, issues of concern in relation to procedures and process which had been highlighted in the High Court cases; however, this Instrument was not operationalised</p>
4	6 - A description of the administrative capacity to apply the point system for serious infringements, as provided for in Article 92 of Regulation (EC) No 1224/2009	<p>Step 2: Process legislation through the Legislative process (Dail and Seanad)</p> <p>Outcome: Passing of the Bill</p>	30-Jun-2016	Department of Agriculture, Food & the Marine.	No	No		<p>because it was deemed prudent to await the outcome of the Supreme Court judgements.</p> <p>A revised Statutory Instrument – S.I. No. 89 of 2018 (The European Communities (Common Fisheries Policy) (Point System) Regulations 2018) - which sought to address concerns expressed by the fishing industry around the complete separation of the role of the control authorities in sea</p>

Thematic conditionalities which are not or partially fulfilled	Criteria not fulfilled	Action to be taken	Deadline	Bodies responsible for fulfilment	Action completed by the deadline	Criteria fulfilled	Expected date for full implementation of remaining actions	Commentary
								<p>fisheries law enforcement from the determination that a serious infringement of the rules of the CFP has been committed - was drafted in early 2018 and was signed into force on 20th March 2018. This 2018 S.I. was annulled in its entirety by Dail Eireann (lower House of Parliament) on 29th May 2018. This was the first time in the history of the state that an SI has been annulled.</p> <p>Due to the unprecedented nature of the matter the Department requested legal advice on an urgent basis from the Attorney General on the legal issues arising and possible options available. That advice has been received and the Minister is at present considering, with his legal advisors, next steps.</p>
4	6 - A description of the administrative capacity to apply the point system for serious infringements, as provided for in Article 92 of Regulation (EC) No 1224/2009	<p>Step 3: Legislation to implement a points system which will apply to the masters of fishing vessels engaged in serious infringements is adopted.</p> <p>Outcome: Copy of the legislation is notified to the Commission</p>	30-Jun-2016	Department of Agriculture, Food & the Marine.	No	No		
4	6 - A description of the administrative capacity to apply the point system for serious infringements, as provided for in Article 92 of Regulation (EC) No 1224/2009	<p>Step 4: Set up the necessary administrative measures and arrangements for enforcement of the point system.</p> <p>Outcome: Copy of the administrative measures are notified to the Commission</p>	30-Jun-2016	Department of Agriculture Food and the Marine	No	No		
4	6 - A description of the administrative capacity to apply the point system for serious infringements, as provided for in Article 92 of Regulation (EC) No 1224/2009	<p>Step 5: Enforce the point system.</p> <p>To be verified during Commission audits.</p>	31-Jul-2016	Sea Fisheries Protection Authority	No	No		

4.2. Issues which affect the performance of the programme and the corrective measures taken (Article 50(2) of Regulation (EU) No 1303/2013)

While the broad range of measures implemented through the Programme contributed to its success in 2018, a number positive issues made a notable contribution. The modification of the Programme in 2018 paved the way for a doubling of the Programme allocation for the Seafood Promotion Scheme and its subsequent investment of in excess of €2 million in 2018, more than doubling previous levels. The launch of the Seafood Capacity building Scheme in 2018 resulted in new investment of €1.4 million in networking and knowledge transfer initiatives. Investment in the development of new information technology systems to support the control authorities in managing and enforcing the CFP reached a level of €3.8 million.

Issues negatively affecting the performance of the Programme in 2018 included the following:

An EMFF grant of €21,831,664 million was awarded to the Marine Institute in 2018 to fund their 2017-2019 Data Collection work programme. This award exhausted the financial allocation available under the Programme for Data Collection. However, the work programme had actual funding requirements of €24,868,379, meaning that some €3,036,715 could not be funded under the EMFF Programme for the 2017-19 period. Likewise, there are no EMFF funds available for data collection for 2020, the final year of the Programme, indicating that the EMFF allocation for Data Collection is short approximately €12 million. The EMFF Regulation ring-fences funds for data collection and transfers into that envelope from other under-performing areas of the Programme budget are not permitted. This rigidity in the Regulation means that important data collection activities, which are essential to the formulation of policy at EU level, will be dependent on constrained national funds in 2019 and 2020 and also the EMFF Programme will miss out on the opportunity to fund important National and EU priorities.

The ongoing difficulties being encountered by Ireland's minority Government in enacting legislation to implement the EU points system for owners and master of fishing vessels, in connection with serious infringements of the CFP, has given rise to a situation where, to date, the European Commission has suspended recoupment to Ireland of in excess of €6 million in connection with EMFF Programme investment in control and enforcement. The amount suspended will increase as further claims are submitted. A continuation of this situation has the potential to cause a curtailment of investment in control and enforcement until the issue with the points system is resolved.

The Seafood Capacity Building Scheme was introduced in 2018 to bring EMFF resources to stakeholder representative groups in order to enhance their capacity to disseminate information to their members and the general public and to participate in public debate and decision making relating to the CFP. Measures supported included staging of conferences and workshops, website development, development and dissemination of documents, and costs of attending expert meetings, conferences etc. Aid was offered to these target groups at the maximum 60% permitted under the EMFF Regulation. However, disappointingly no applications were received in 2018 from these target groups. Feedback suggests that causes included a lack of awareness and an incapacity to fund the 40% balance of investments. While the scheme was promoted to these groups at the time of its launch, further efforts are being made to encourage applications. However, the Regulation prevents the Managing Authority from increasing the maximum support rate.

Previous Annual Reports have reported on the somewhat muted demand from aquaculture enterprises for EMFF support of capital investment. By end 2018 approximately €6 million had been awarded from a Programme budget of €20 million. Demand is running at approximately €2 million per year, meaning that

the allocation will need to be reviewed.

5. INFORMATION ON SERIOUS INFRINGEMENTS AND REMEDY ACTIONS (ARTICLE 114(2) OF REGULATION (EU) NO 508/2014

Information and actions taken on cases of serious infringements as referred to in Article 10(1) and non-respect of durability conditions and remedy actions as set out in Article 10(2).

The Managing Authority has included the requirements of Article 10 of the EMFF Regulation in its EMFF National Eligibility Rules, which specify mandatory eligibility requirements for EMFF aid. The National Eligibility Rules are available in Appendix 1, section 2 at the following link:

<https://www.agriculture.gov.ie/emff/programmeimplementation/nationaleligibilityrulesforexpenditureco-financedbyemff/>

The Sea Fisheries Protection Authority is designated as Ireland's *Single Control Authority* in accordance with Article 5.5 of the EU Fisheries Control Regulation (1224 of 2009). In accordance with Article 93 of that Regulation, the SFPA maintains a National Register of Infringements which contains the information required under Article 10.1(a) of the EMFF Regulation. The National Register of Infringements is available when required to check the admissibility of EMFF applications in this regard. This is being complemented by an administrative requirement for applicants to make a declaration confirming if they have committed one of the serious infringements identified in Article 10. To date, no applications have been deemed inadmissible under article 10.

In relation to sharing of information between Member States on infringements, the SFPA complies with the requirements of articles 80(c) and 89(4) of the EU Fisheries Control Regulation (1224 of 2009) to inform the competent authority of the relevant Member State.

In respect of IUU, the SFPA has a dedicated IUU page on its public website, which contains a link to the list of vessels on the EU IUU list. There are no known Irish operators on that list. The IUU List is kept under observation by the Sea-Fisheries Protection Authority and intermediate body Bord Iascaigh Mhara.

6. INFORMATION ON ACTIONS TAKEN TO COMPLY WITH ARTICLE 41(8) (ARTICLE 114(2) OF REGULATION (EU) NO 508/2014)

A summary of actions taken is to be provided on the progress to achieve the provision set out in Article 41(8) with regard to the priority up to 60 % of the public assistance to be ensured to small-scale coastal fishing sector, including data on actual share of small-scale coastal fishing within the operations financed under the measure of Article 41(2)

Ireland's EMFF Programme introduced grants for engine replacement in December 2017. Two grant were paid in 2018, both to SSCF vessels. Given the lack of applications from non-SSCF vessels, there has been no particular requirement to prioritise funding for SSCF. The situation will be kept under close observation.

7. INFORMATION ON THE ACTIONS TAKEN TO ENSURE THE PUBLICATION OF BENEFICIARIES (ARTICLE 114(2)) OF REGULATION (EU) NO 508/2014)

A summary of actions taken is to be provided in line with Annex V of EMFF Regulation, with special regard to national legislation including any applicable threshold regarding the publication of data of natural persons

Managing Authority Information and Publicity Actions

In 2018 the EMFF Managing Authority had planned to avail of two major stakeholder events to promote the opportunities available and provide information on the EMFF OP 2014-2020. Unfortunately at the last minute – attendance at the Skipper Expo International in Galway was cancelled due to severe weather conditions.

The Annual **Sea-Fest** event showcases Ireland’s abundant maritime resources by raising awareness of the value and opportunities provided by the sea and also celebrating our proud maritime heritage. Sea-Fest is a key part of *Harnessing Our Ocean Wealth: An Integrated Marine Plan for Ireland (HOOW)* and its goal of increasing participation and engagement with the sea. The EMFF Managing Authority operated an information stand at the event which promoted the EMFF OP 2014-2020 and provided information to interested parties.

This promotion involved a dedicated EMFF OP stand at the event, with a specially commissioned EMFF OP backdrop, manned by EMFF Managing Authority staff. The EMFF OP document and a specially published EMFF OP Summary Booklet were made available, together with a variety of promotional items with the EMFF Logo. Managing Authority staff fielded questions and inquiries from stakeholders on the OP and its constituent schemes.

The **EU Flag** is prominently displayed at the premises of the EMFF OP Managing Authority at the National Seafood Centre, Clonakilty, Co. Cork

In 2018, the EMFF Managing Authority continued to maintain its dedicated **EMFF website**, which provides a range of useful information for stakeholders on the EMFF OP 2014-2020. The website can be found at the following link: www.agriculture.gov.ie/emff. The website provides access to the Programme document, details of and links to schemes, selection criteria, National Eligibility Rules, list of beneficiaries, contact details, documents relating to the Monitoring Committee and documents relating to the development of the Programme.

Press releases were issued throughout 2018 to highlight particular noteworthy EMFF activities. These were as follows:

- **23 April 2018 Minister Michael Creed announces €5m in Grants, supporting €13m investment in 26 Seafood Processing & Aquaculture companies:**
<https://www.agriculture.gov.ie/press/pressreleases/2018/april/title,116482,en.html>
- **14 May 2018 Minister Creed announces €1.6 million EMFF grants by Fisheries Local Action Groups:** <https://www.agriculture.gov.ie/press/pressreleases/2018/may/title,117090,en.html>
- **1 July 2018 Creed Announces Public Consultation on Inshore Fisheries Strategy:**
<https://www.agriculture.gov.ie/press/pressreleases/2018/july/title,118489,en.html>
- **16 July 2018 Minister Creed Announces €1.5 million EMFF Grants by Fisheries Local Action**

- Groups:** <https://www.agriculture.gov.ie/press/pressreleases/2018/july/title,118928,en.html>
- **23 July 2018 Creed announces €1.5m of Grants to support €4m in investment by 20 Seafood Companies:** <https://www.agriculture.gov.ie/press/pressreleases/2018/july/title,119172,en.html>
 - **11 December 2018 Minister Michael Creed TD receives Marine Institute Fish Stock Book 2018:** <https://www.agriculture.gov.ie/press/pressreleases/2018/december/title,122553,en.html>

BIM Information & Publicity Actions

As the primary intermediate body for the EMFF Programme, BIM has been designated tasks by the EMFF Managing Authority to ensure that Programme's objectives and funding opportunities offered by the EMFF are disseminated widely to potential beneficiaries and all interested parties.

BIM maintains a dedicated **EMFF Scheme website** (<http://www.bim.ie/schemes>) where it provides summary information on each scheme, and access to scheme brochure documents, application forms and key contacts.

Further information on the schemes and events supported by the EMFF can also be found on the BIM website at <http://www.bim.ie/news-and-events/>

In administering EMFF grant schemes, BIM requires as part of the letter of offer that **beneficiaries acknowledge the EMFF funding** received in a number of ways. Where they have a company website, they must acknowledge the EMFF aid in an appropriate section of the website. Where they have business premises, they must display in a public place (such as reception area) an A3 sized poster to a specified format acknowledging the EMFF aid. Some examples are as follows (scroll down at link to see acknowledgement):

- <http://www.biomarine.ie>
- <http://keohaneseafoods.ie/>
- <http://sofrimar.ie/quality/product-innovation/>
- <http://www.rockabill.ie/news/>
- <http://www.goodfish.ie/about-us/>

BIM stages a range of **stakeholder conferences**, workshops and other events, many of these funded through the EMFF. Engendering the greatest possible level of stakeholder and public awareness of the key policy objectives underpinning the EMFF and the CFP is essential if these objectives are to be accepted by local communities and civil society. In turn generating an adequate level of acceptance is equally important so as to create the circumstances to allow the necessary change management processes to occur and be successful. With EMFF funding, BIM hosted the *National Seafood Conference* in 2018 and staged a major participation in *Seafest 2018* and the *Skipper Expo*. These events helped foster social dialogue through education and the dissemination of information via modern interactive techniques and technologies concerning the fisheries sector and the actions and interventions being taken, with the support of the EMFF, to enhance environmental sustainability, lessen impact on marine ecosystems,

promote social cohesion and stimulate innovation.

8. ACTIVITIES IN RELATION TO THE EVALUATION PLAN AND SYNTHESIS OF THE EVALUATIONS (ARTICLE 114(2)) OF REGULATION (EU) No 508/2014, ARTICLE 50(2) OF REGULATION (EU) No 1303/2013)

A summary should be provided on activities undertaken in relation to the implementation of the evaluation plan, including follow-up given to the findings of evaluations.

A synthesis of the findings should be provided of all evaluations of the programme that have become available during the previous financial year, with reference of name and reference period of the evaluation reports used.

Additionally, the access to evaluations that were made publicly available pursuant to Article 54(4) of Regulation (EU) No 1303/2013 should be communicated here.

To date, the following evaluations have been completed.

- ***Review of the FLAG Programme 2012-15 (February 2016)***

This study was commissioned to inform the design of the EMFF FLAG scheme, making use of learnings and best practice from the previous scheme. The study by *Public and Corporate Economic Consultants* made 31 recommendations concerning administration, animation, publicity, stakeholder engagement, networking, training, resources and monitoring and evaluation.

- ***Cost Benefit Analysis of the proposed Decommissioning Scheme (July 2016)***

This study by consultants *Grant Thornton* examined the cost benefit case for the proposal to expend €16 million in EMFF funds to permanently withdraw up to 3,500 tonnes from the polyvalent fleet. While the study found that the proposal showed a cost benefit ratio of 1.27 to 1.4, depending on whether tax incentives were included. However, it recommended that a scheme only be implemented if measures can be identified that would prevent re-entry to the fleet of inactive capacity.

- ***Ex-Ante Assessment of the use of Financial Instruments (June 2017)***

This study by *Indecon International Economic Consultants* was a joint exercise with the Rural Development Programme Managing Authority and examined the case for market failures in relation to capital investments in aquaculture and seafood processing. It concluded that a financial instrument was warranted and should comprise a partial loan guarantee and an interest rate subsidy. However, it also advised that a financial instrument solely for the EMFF would not be viable, as it would be of insufficient scale to attract interest from the retail banks who would deliver it to customers. It recommended that a joint financial instrument for both EMFF and RDP be implemented. Following a public consultation on the Ex-ante assessment, the Minister for Agriculture Food and the Marine directed that while a financial instrument will not be implemented for either Programme over the 2014-20 period, the lessons learned from the ex-ante

assessment will be taken into consideration in the design of both programmes for the 2021-27 period and an update of the ex-ante assessment will be conducted at the that time.

- ***Evaluation of Lobster V-Notching Scheme***

This ongoing evaluation project is seeking to establish the efficacy of ongoing EMFF investment in the lobster v-notching measure to inform policy decisions on its future use and financial support. The project is building on work commenced in 2012 with the Inish Oirr Co-operative where lobsters v-notched were genetically profiled. The profiles of the v-notched lobsters are being used to find their offspring in the fishermen's catch between 5 and 8 years after the original v-notching event. The technique has been used to demonstrate that v-notched lobsters from just one year made up 10-30% of the catch off County Down. Use of this technique will allow the quantification of the efficacy of the V-notching programme, as well as giving insight into the stock structure on the west coast. The project involves BIM, the Marine Institute and Queens University Belfast.

- ***Evaluation of Sustainable Fisheries Scheme***

A contract was awarded in 2018 to the Irish Observer Network Limited to conduct an evaluation of capital investment on board fishing vessels under the EMFF Sustainable Fisheries Scheme (Part B). The study is ongoing and is due to be completed by end June 2019. The objectives of the study are to identify strengths and weaknesses of the Scheme and suggest possible adaptations to improve the efficacy in one or more of specific areas. The data gathered in the study will also assist in reporting on EMFF indicators.

- ***Planned evaluations***

The Managing Authority is finalising tender documents for the evaluation of 5 EMFF schemes providing financial assist to the aquaculture and processing sectors in the areas of capital investment, innovation, and marketing. The evaluation contract will require a cost benefit analysis and an effectiveness analysis. The contract is expected to be awarded in Summer 2019.

9. CITIZEN'S SUMMARY (ARTICLE 50(9) OF REGULATION (EU) NO 1303/2013)

A citizen's summary of the contents of the AIRs should be made public and uploaded as a separate file in the form of annex to the AIR.

10. REPORT ON THE IMPLEMENTATION OF FINANCIAL INSTRUMENTS (ARTICLE 46(1) OF REGULATION (EU) NO 1303/2013)

11. ASSESSMENT OF THE IMPLEMENTATION OF THE OPERATIONAL PROGRAMME (ARTICLE 50(4) OF REGULATION (EU) NO 1303/2013)

11.1. Assessment of data and progress towards achieving the objectives of the programme

For each Union priority an assessment should be carried out on the information and data provided in Part A and progress towards achieving the objectives of the programme (incorporating the findings and recommendations of evaluations)

Union priority	Assessment of data and progress towards achieving the objectives of the programme
<p>1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries</p>	<p>A full review of projects that have been supported under the EMFF OP 2014-2020 will be carried out in second half of 2019 through a survey to collect validated data for result indicators from the beneficiaries. This information will be available to Managing Authority by end of 2019.</p> <p><u>1 - Reduction of the impact of fisheries on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catches</u></p> <p>Under this specific objective the EMFF OP approved 27 projects with €2.91 million of public investment (€1.46 EMFF) of which €1.69 million (€0.85 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on limiting the impact of fishing on the marine environment, marine litter, improving onshore facilities to meet the landing obligations. Some of the projects included were:</p> <ul style="list-style-type: none"> • Development of a cetacean friendly device to reduce seal-fisheries interactions. • Improved gear selectivity to address the landing obligation. • Fishing for Litter Programme & Waste Management. • Assessment of the impacts of winter potting and oyster dredging on summer seagrass habitats. • Improvement projects which aim to assist fishermen and onshore businesses to meet the challenges of the landing obligation. <p><u>2 - Protection and restoration of aquatic biodiversity and ecosystems</u></p> <p>Under this specific objective the EMFF OP approved 198 projects with €2.42 million of public investment (€1.21 EMFF) of which €1.84 million (€0.92 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on the protection and restoration of marine biodiversity. Some</p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>of the projects included were:</p> <ul style="list-style-type: none"> • Lobster V-Notching Scheme • Assessment of Fisheries in Natura Areas. • Management and restoration of crayfish stocks. • Restoration of native oysters in Ireland <p><u>3 - Ensuring a balance between fishing capacity and available fishing opportunities</u></p> <p>Under this specific objective the EMFF OP approved 1 project with €2.0 million of public investment (€1.0 EMFF) of which €0.74 million(€0.37 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 the approved project focused primarily on the development of an IT sytem to assist in the Quota Balancing process implemented in Ireland.</p> <p>This project only begun its development in 2017 and will continue to be developed up to and including 2020. The results from this project will not be realised until the Quota balancing process is embedded into Irish fishing fleet.</p> <p><u>4 - Enhancement of the competitiveness and viability of fisheries enterprises, including of small scale coastal fleet, and the improvement of safety or working conditions</u></p> <p>Under this specific objective the EMFF OP approved 182 projects with €21.6 million of public investment (€10.8 EMFF) of which €13.58 million(€6.79 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on providing advisory services, health and safety and value adding on board Irish vessels, improving fishing ports infrastructure. Some of the projects included were:</p> <ul style="list-style-type: none"> • Development, Accreditation, Management & Certification Standards • Change Management • Fisheries Management Chart and Smart Phone App. • Provision of Fisheries, Aquaculture and Marine Environment Information Services. • Personal protection & Fish Handling Equipment

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<ul style="list-style-type: none"> • Improve working conditions for staff and users of the harbours. • Increase the quality of products landed in harbours. <p><u>5 - Provision of support to strengthen technological development and innovation, including increasing energy efficiency, and knowledge transfer</u></p> <p>Under this specific objective the EMFF OP approved 64 projects with €4.44 million of public investment (€2.22 EMFF) of which €3.69 million(€1.85 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on innovation in the fisheries and seafood processing sectors, partnership between scientists and fishermen and energy efficiency on board Irish fishing vessels . Some of the projects included were:</p> <ul style="list-style-type: none"> • Equipment to improve fuel efficiency including fuel monitoring equipment. • Gear monitoring equipment and fuel efficient fishing gears. • Operation and support of a new innovation process in the Seafood Innovation Hub, Clonakilty. • Green Seafood Processing – initiatives in the seafood processing sector to generate cost reductions in the areas of water energy, waste and transport. <p><u>6 - Development of professional training, new professional skills and lifelong learning.</u></p> <p>Under this specific objective the EMFF OP approved 29 projects with €2.7 million of public investment (€1.35 EMFF) of which €2.5 million(€1.25 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on promoting human capital and social dialogue. Some of the projects included were:</p> <ul style="list-style-type: none"> • Socio Economic Analysis of the Seafood Sector • Provision of a comprehensive public & stakeholder educational experience in fisheries and aquaculture • Women in Seafood • National Fishermens Development group • Supporting Networking in the Inshore Fisheries Sector

Union priority	Assessment of data and progress towards achieving the objectives of the programme
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	<p>A full review of projects that have been supported under the EMFF OP 2014-2020 will be carried out in second half of 2019 through a survey to collect validated data for result indicators from the beneficiaries. This information will be available to Managing Authority by end of 2019.</p> <p><u>1 - Provision of support to strengthen technological development, innovation and knowledge transfer</u></p> <p>In the period 2016-2018 the Knowledge Gateway scheme implemented by Bord Iascaigh Mhara (BIM) provided funding for projects that promoted knowledge, innovation and technology in the Irish aquaculture sector. Under the scheme there were 44 projects supported which included 35 innovation type projects and 9 advisory service projects. Some the projects supported in the Knowledge Gateway scheme include the following:</p> <p><u>Article 47 - Innovation</u></p> <p><u>Private Projects -</u></p> <ul style="list-style-type: none"> • Verifying the feasibility of commercial aquaculture on cutaway peat lands. • Development of novel aquaculture techniques for <i>Ostrea edulis</i> from spat production through to market. (Phase I) • Asia Oyster Group Noro Virus Project • Modelling study to determine the maximum kinetic force on the surface components of an offshore seed collection farm during an extreme storm event. • Feasibility study on the transplanting of naturally collected rope seed mussels to a bottom culture site for on-growing and sale. <p><u>Public Projects -</u></p> <ul style="list-style-type: none"> • BIM working with industry partners to develop the potential for the cultivation of perch in cut away peat bogs. • BIM will culture and improve stock spore cultures of <i>Alaria</i> and <i>Saccharina</i> and will continue to support the research until a commercial hatchery is operational. • BIM undertook a programme studies in 2017 and subsequent years for identified bays where there is a need for scientific information. This will assist in identifying areas most suited to aquaculture and reducing potential conflicts with other water

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>users.</p> <ul style="list-style-type: none"> • BIM Developing techniques to produce seed for rejuvenation of aquaculture production areas for native oysters and scallops. <p><u>Article 49 - Management, relief and advisory services for aquaculture farms</u></p> <p><u>Public Projects -</u></p> <ul style="list-style-type: none"> • Fish Welfare and Guidance Workshops - Guidance documents and good practice guides for finfish welfare will be produced along with delivering relevant information workshops. • BIM CQA Programme is to provide advice and support the production of high-class farmed Irish seafood and to differentiate aquaculture products in the marketplace through quality, organic and eco labelling. • Aquaculture business accelerator programme - Mentors will engage with the teams each week of the program sharing their aquaculture and entrepreneurial experience. Additionally each team will be allocated a specific lead mentor to drive progress throughout the programme. • Maintenance and Operation of the Co-ordinated Local Aquaculture Management Systems (CLAMS) Initiative. • BIM undertook a programme of surveys in 2018 in the Irish Sea, Castlemaine Harbour and elsewhere as required to locate, quantify and characterise seed mussel beds and provided advice to aquaculture farmers on the basis of the data collected from the surveys. <p>All the projects indicated above are primarily research projects or advisory services. They do not have a direct impact on the result indicators specified for this objective.</p> <p><u>2 - Enhancement of the competitiveness and viability of aquaculture enterprises, including improvement of safety or working conditions, in particular of SMEs</u></p> <p>In the period 2016-2018 the Sustainable Aquaculture scheme implemented by Bord Iascaigh Mhara (BIM) provided funding for projects that that promote the sustainable growth of output, value and employment in the aquaculture sector. Under the scheme there were 78 projects supported involved investments in capital on aquaculture farms projects.</p> <p>Implementations to date of measures to promote this specific objective</p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>were mainly focused on the following:</p> <ul style="list-style-type: none"> • Development or expansion of oyster farms • Organic Certifications • Upgrade of rope mussel production system to New Zealand continuous longline • Sea lice removal systems • Construction of finfish facilities <p><u>3 - Protection and restoration of aquatic biodiversity and enhancement of ecosystems related to aquaculture and promotion of resource efficient aquaculture</u></p> <p>There were no measures implemented to date to promote this specific objective and therefore no data to support the related result indicator targets.</p> <p><u>4 - Promotion of aquaculture having a high level of environmental protection, and the promotion of animal health and welfare and of public health and safety</u></p> <p>There were no measures implemented to date to promote this specific objective and therefore no data to support the related result indicator targets.</p> <p><u>5 - Development of professional training, new professional skills and lifelong learning.</u></p> <p>Under this specific objective the EMFF OP approved 1 project with €35,000 of public investment (€17,500 EMFF) of which €35,000 (€17,500 EMFF) has been declared by beneficiaries to the Managing Authority. Under the Seafood Capacity Building Scheme which was initiated in 2018, BIM organised and hosted a series of workshops and seminars to disseminate information and provide networking opportunities for industry and interested stakeholders.</p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
3 - Fostering the implementation of the CFP	<p><u>1 - Improvement and supply of scientific knowledge and collection and management of data</u></p> <p>Under this specific objective the EMFF OP approved 2 projects with €40.7 million of public investment (€32.56 EMFF) in the period 2014-2018 that focused primarily on the collection of data to support the Common Fisheries Policy. Some of the projects included were:</p> <ul style="list-style-type: none"> • Data Collection Framework Programme 2014-2016 • Data Collection Framework Programme 2017-2019 <p>As a result of the completion of the DCF 2014-2016 Work Programme and further implementation of the DCF 2017-2019 Work Programme and based on the information provided, there is good progress towards achieving Result indicator targets set out in the EMFF OP 2014-2020. At the end of 2018 the following progress in relation to Result Indicator targets has been recorded.</p> <p style="text-align: center;"><u>RI 3.B.1</u> - Increase in the fulfilment of data calls - To date the Marine Institute has responded to 100% of data calls, which is an increase of 5% on the baseline set out in the EMFF OP 2014-2020.</p> <p>Under the DCF the Marine Institute and BIM respond to ca 20-30 official data calls a year, from the main scientific end-users ICES, STECF, the Commission (DGMare) and the regional coordination groups of the Member States.</p> <p>The data transmission of each Member State and any associated transmission failures are monitored and reported by STECF.</p> <p>In 2017, Ireland transmitted DCF data in response to 30 data calls. At the 2018 review meeting, STECF identified one outstanding transmission issue which relates to missing transversal variables in relation to <10m vessels. This has been addressed by Ireland (BIM) and a constant improvement in the data availability and the precision of estimates has occurred over the last four years. The Commission has accepted the response by Ireland as satisfactory.</p> <p>The evaluation of data transmission for 2018 is still open and will be dealt with at the specific STECF Expert Working Group WG 19-09 “Evaluation of the Annual Reports for data collection”, which will meet in June 2019.</p> <p><u>2 - Provision of support to monitoring, control and enforcement,</u></p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p><u>enhancing institutional capacity and the efficiency of public administration, without increasing the administrative burden</u></p> <p>Under this specific objective the EMFF OP approved 13 projects with €29.44 million of public investment (€23.93 EMFF) in the period 2014-2018 that focused primarily on implementing Control and enforcement measures that support the Common Fisheries Policy. Some of the projects included were:</p> <ul style="list-style-type: none"> • Integrated Fisheries Information System Development • Compliance Promotion - The purpose of this project is to raise awareness of the Common Fisheries Policy. • Vessel Monitoring Systems on-board vessel unit replacement. • Training and Exchange of Staff • CCTV/Monitoring Systems review and analyse existing REM/CCTV pilot trials and operational systems implemented by other countries to identify best practices, recommendations, potential risks, dependencies etc. • Establish a Regulation Innovation Project which focuses on delivering new services/products which make a substantive change in the implementation and application of EU regulation. Examples include using technology or market research to improve the adoption and implementation of EU regulations • Develop innovative ways of measuring the volumes of fish being landed, required as part of the Landing Obligations. • Carrying out a scoping project to validate engine power assessment systems in use in other Member States namely Germany, Netherlands and Scotland.
4 - Increasing employment and territorial cohesion	<p>A full review of projects that have been supported under the EMFF OP 2014-2020 will be carried out in second half of 2019 through a survey to collect validated data for result indicators from the beneficiaries. This information will be available to Managing Authority by end of 2019.</p> <p><u>1 - Promotion of economic growth, social inclusion and job creation, and providing support to employability and labour mobility in coastal and inland communities which depend on fishing and aquaculture, including the diversification of activities within fisheries and into other sectors of maritime economy.</u></p> <p>Under this specific objective the EMFF OP approved 400 projects with €5.21 million of public investment (€2.6 EMFF) of which €3.6million(€1.8 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on supporting Fisheries Local</p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>Action Groups (FLAG) with the implementation of the Local Development Strategies (LDS) for those FLAG areas. Some of the projects included were:</p> <ul style="list-style-type: none"> • Capital investments in micro seafood enterprises • Marine tourism and marine leisure projects, • Heritage projects, • Small harbour facilities and environmental projects. • Environmental and training projects.
5 - Fostering marketing and processing	<p>A full review of projects that have been supported under the EMFF OP 2014-2020 will be carried out in second half of 2019 through a survey to collect validated data for result indicators from the beneficiaries. This information will be available to Managing Authority by end of 2019.</p> <p><u>1 - Improvement of market organisation for fishery and aquaculture products</u></p> <p>Under this specific objective the EMFF OP approved 55 projects with €7.4 million of public investment (€3.7 EMFF) of which €7.0 million (€3.5 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on supporting Producer Organisations in developing and implementing their Production and Marketing Plans (PMP) and marketing measures to promote Irish Seafood in the market. The following are some of the projects implemented:</p> <ul style="list-style-type: none"> • Seafood promotion through participation in Trade Fairs • Domestic Market Seafood campaigns • International Market consumer research. • Investment in route to market structures through cooperative joint venture projects, particularly in Asia. • Support to Producer Organisation Production and Marketing Plans. <p><u>2 - Encouragement of investment in the processing and marketing sectors</u></p>

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>Under this specific objective the EMFF OP approved 92 projects with €9.5 million of public investment (€4.75 EMFF) of which €6.5 million(€3.25 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily on supporting processors adding value to fish through processing, presentation, and packaging, promote innovation and new product development; Improving safety, health, quality, hygiene, and traceability and reducing energy costs. The following are some of the projects implemented:</p> <ul style="list-style-type: none"> • Calcium Production Line for Human Nutrition Ingredients Market. • Market Feasibility Study for edible farmed seaweed. • Advisory services to seafood processing SMEs on innovation, new product and packaging development, business planning, energy efficiency and seafood processing technologies. • Green Seafood Processing – initiatives in the seafood processing sector to generate cost reductions in the areas of water energy, waste and transport.
6 - Fostering the implementation of the Integrated Maritime Policy	<p>The projects implemented under Union Priority 6 do not have a direct impact on changes to designations of Natura areas or MPAs but the Irish Managing Authority will carry out a review of the projects supported to collect data to accumulate the areas covered by the implementation of the projects.</p> <p><u>1 - Development and implementation of the Integrated Maritime Policy</u></p> <p>Under this specific objective the EMFF OP approved 21 projects with €7.02 million of public investment (€3.51 million EMFF) of which €3.83 million(€1.94 million EMFF) has been declared by beneficiaries to the Managing Authority. In the period 2016-2018 approved projects focused primarily supporting Blue Growth and marine spatial planning, and increasing the knowledge of marine biodiversity in Ireland's waters. Some of the projects included were:</p> <ul style="list-style-type: none"> • Spatial Data and Evidence projects. • Data Management and Information Services for MSP. • Marine invasive species research projects around species surveillance and mapping. • Mapping of fishing pressure and fishery NATURA interaction. • Assessment and mitigation of aquaculture impacts on NATURA sites projects were completed to support the Marine Strategy

Union priority	Assessment of data and progress towards achieving the objectives of the programme
	<p>Framework Directive (MSFD) and biodiversity.</p> <ul style="list-style-type: none"> • The “Informatics project” aims to set up the infrastructure and competence to efficiently integrate and utilise fisheries related data (including fishery/ecosystem interaction data) to support CFP, NATURA and MSFD implementation.
7 - Technical assistance	

11.2. Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned

An assessment by Union priority of whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned, where appropriate

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
1 - Promoting environmentally sustainable, resource efficient, innovative, competitive and knowledge based fisheries	<p>The approach taken by the MA in Ireland across all Union Priorities in relation to milestones and targets indicators is as follows:</p> <p><u>Financial Indicators:</u> Public expenditure that has been included in payment applications to EU Commission</p> <p><u>Output Indicators:</u> Combination of Completed Projects and projects where stage payments have been made to beneficiaries but have yet to be completed (multi-annual projects)</p> <p>In the period 2014-2015 there was little or no progress in activities supported under UP 1. Applications and implementation of projects supported under UP 1 begun in 2016. In the period 2016-2018 progress was slow initially but has increased in 2018. At the end of 2018 the EMFF OP 2014-2020 approved 501 projects with total public investment of €34,852,140 and in the same period 241 projects were implemented with supports of €23,070,293 in public expenditure.</p> <p>Following a modification of Ireland's EMFF OP in 2018, the original milestone of €24,500,000 was reduced to €14,000,000 on the basis that the proposed permanent cessation scheme was not going to be implemented. Also, output indicators were revised to remove milestones for projects on permanent cessation and include a milestone for projects for systems of allocation of fishing opportunities. As a result the progress made to acheive the revised milestone is as follows.</p> <p><u>Financial Indicator (Milestone 2018 - €14,000,000)</u></p> <p>In the period 2014-2018, €14,369,957 has been submitted by beneficiaries and subsequently certified by the Managing Authority. This represents approximately 102.64% of the milestone outlined in the Performance framework. This progress has exceeded the milestone set out in OP.</p> <p><u>Output Indicator Milestones</u></p> <p><u>1.2 - N° of projects on systems of allocation of fishing opportunities (Milestone 2018 - 1)</u></p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>In the period 2017-2018 there was one project implemented to develop a system of allocation of fishing opportunities. This represents 100% of the milestone outlined in the Performance Framework. This progress has met the milestone set and no further corrective actions are required.</p> <p><u><i>1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species (Milestone 2018 - 25)</i></u></p> <p>In the period 2016-2018, 23 projects were implemented to support conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species. This represents approximately 92.00% of the milestone outlined in the Performance framework. This figure does not reach full achievement but exceeds the minimum requirement of 85%. On the basis that only 2 projects were implemented in 2016, there was a vast increase in projects implemented 2017-2018 and this is hoped to continue in the future.</p> <p><u><i>1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems (Milestone 2018 - 18)</i></u></p> <p>In the period 2016-2018, 200 projects have been implemented on protection and restoration of marine biodiversity, ecosystems. This represents approximately 1111.11% of the milestone outlined in the Performance framework. Progress is more than expected in achieving this milestone and may have been under-estimated. This underestimation is due to the fact that V-notching projects were considered to be under a different objective and therefore were not included in the target set out in the OP.</p> <p><u><i>1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health and safety. (Milestone 2018 - 30)</i></u></p> <p>In the period 2016-2018, 59 projects have been implemented on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health and safety. This represents approximately 196.67% of the milestone outlined in the Performance framework. Progress is more than expected in achieving this milestone.</p> <p><u><i>Financial Indicator Target 2023 (Target - €55,590,000)</i></u></p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>To date approximately €14,369,957 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 25.8% of the target described in the Performance framework. Taking into account that a further €8.6 million of public expenditure has yet to be certified by the Managing Authority and total expenditure approved under Union Priority 1 amounts to approximately €34.8 million with further projects to be approved in 2019. This is very good progress and no corrective actions are foreseen.</p> <p><u>Output Indicator Targets 2023</u></p> <p><i><u>1.2 - N° of projects on systems of allocation of fishing opportunities (Target 2023 - 1)</u></i></p> <p>In the period 2017-2018 there was one project implemented to develop a system of allocation of fishing opportunities. This represents 100% of the target for the OP outlined in the Performance Framework. This progress has met the target set and no further corrective actions are required.</p> <p><i><u>1.4 - N° of projects on conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species (Target 2023- 150)</u></i></p> <p>In the period 2016-2018, 23 projects were implemented to support conservation measures, reduction of the fishing impact on the marine environment and fishing adaptation to the protection of species. This represents approximately 15.33% of the target for the OP outlined in the Performance framework. Progress has been slow in achieving this target and may require a review of the target set and further modification to the OP. This over estimate may be impacted on the initial decision to include v-notching under this objective which was incorrect.</p> <p><i><u>1.6 - N° of projects on protection and restoration of marine biodiversity, ecosystems (Target 2023 - 52)</u></i></p> <p>In the period 2016-2018, 200 projects have been implemented on protection and restoration of marine biodiversity, ecosystems. This represents approximately 133.33% of the target for the OP outlined in the Performance framework. Progress is more than expected in achieving this target.</p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p><u><i>1.9 - N° of projects on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health and safety. (Target 2023 - 325)</i></u></p> <p>In the period 2016-2018, 59 projects have been implemented on promotion of human capital and social dialogue, diversification and new forms of income, start-ups for fishermen and health and safety. This represents approximately 18.15% of the target for the OP outlined in the Performance framework. Progress is satisfactory as the Seafood Training Scheme which deals with human capital and social dialogue was only launched in 2018 and further approvals and interest in this scheme is forecasted to grow in 2019 and in the remainder of the OP.</p>
2 - Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture	<p>Applications and implementation of projects supported under UP 2 begun in 2016. In the period 2016-2018 progress was slow initially but has increased in 2018. At the end of 2018 the EMFF OP 2014-2020 approved 124 aquaculture related projects with total public investment of €11,732,654 and in the same period 122 projects were implemented with supports of €8,499,032 in public expenditure.</p> <p><u>Financial Indicator (Milestone 2018 - €5,000,000)</u></p> <p>To date approximately €4,984,920 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority. This represents approximately 99.7% of the milestone described in the Performance framework. This is satisfactory progress and no corrective actions are envisaged to achieve this milestone.</p> <p><u>Output Indicator Milestones 2018</u></p> <p><u><i>2.1 - N° of projects on innovation, advisory services (Milestone 2018 - 50)</i></u></p> <p>To date 44 projects on innovation, advisory services have been implemented up to the end of 2018. This equates to 88.00% of the milestone for 2018. Even though this did not achieve the overall milestone it is well above the 85% threshold required. This is satisfactory progress taking into account the late implementation of the schemes involved and no corrective actions are envisaged to achieve this milestone.</p> <p><u><i>2.2 - N° of projects on productive investments in aquaculture</i></u></p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p><u>(Milestone 2018 - 25)</u></p> <p>To date 78 projects on productive investments in aquaculture have been implemented up to end of 2018. This equates to 312.00% of the milestone set for 2018. Progress is better than expected and no corrective actions are envisaged to achieve this milestone.</p> <p><u>Financial Indicator 2023 (Target - €29,800,000)</u></p> <p>To date approximately €4,984,920 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority. This represents approximately 16.73% of the target for 2023 described in the Performance framework. This is insufficient progress. This will be kept under review.</p> <p><u>Output Indicator Targets 2023</u></p> <p><u>2.1 - N° of projects on innovation, advisory services (Target 2023-190)</u></p> <p>To date 44 projects on innovation, advisory services have been implemented up to the end of 2018. This equates to 23.17% of the target for 2023. While progress can be expected in future years, this target is clearly an over-estimate with regard to demand and number of projects. A programme modification is likely to be required.</p> <p><u>2.2 - N° of projects on productive investments in aquaculture (Target 2023- 110)</u></p> <p>To date 78 projects on productive investments in aquaculture have been implemented up to end of 2016. This equates to 70.91% of the target for 2023. Progress towards the 2023 target is good, but will be kept under review.</p>
3 - Fostering the implementation of the CFP	In the period 2014-2018 very good progress was made in schemes supported under Union Priority 3. The main focus of the progress was implemented through the Data Collection Scheme which was launched in 2014 and has continually progressed on satisfactory basis in the period up to the end of 2018. The Control and Enforcement did not

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>effectively begin until 2015. In the period 2015-2018 progress was slow initially but has increased in 2018. At the end of 2018 the EMFF OP 2014-2020 approved 15 projects with total public investment of €70,138,466 under Union Priority 3 under the two schemes and in the same period 11 projects were implemented with supports of €45,906,714 in public expenditure.</p> <p><u>Financial Indicator (Milestone 2018 - €40,000,000)</u></p> <p>To date approximately €33,572,754 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 83.93% of the milestone described in the Performance framework. Although this is below the 85% threshold there is a further €12.4 million in public expenditure for 2018 which has yet to be certified and will be submitted in a claim to the EU Commission in the second half of 2019. This is satisfactory progress and no corrective actions are envisaged to achieve this milestone.</p> <p><u>Output Indicator Milestones 2018</u></p> <p><u>3.1 - N° of projects on implementing the Union's control, inspections and enforcement system (Milestone 2018 - 1)</u></p> <p>Implementation of the Control and enforcement scheme did not begin until 2017 but in the period 2017-2018 13 projects were implemented to support this objective. Projects are ongoing and envisaged are multi-annual in nature. This represents approximately 1300% of the milestone described in the Performance framework. This exceeds the milestone and the target for the OP at this point in time. Further projects are to be approved in 2019, which can be expected to facilitate further achievement of the targets set out in the Performance framework.</p> <p><u>3.2 - N° of projects on supporting the collection, management and use of data (Milestone 2018 - 1)</u></p> <p>To date 1 project on supporting the collection, management and use of data has been completed. In 2018 a further project to support the 2017-2019 DCF was approved and implemented in the period 2017-2018. This equates to 200% of the milestone for 2018 described in the Performance framework. This exceeds the milestone and will achieve</p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>the target for the OP at this point in time.</p> <p><u>Financial Indicator 2023 (Target - €84,924,200)</u></p> <p>To date approximately €33,572,754 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 39.54% of the target described in the Performance framework. Taking into account that total expenditure approved under Union Priority 3 amounts to approximately €70.1 million with further projects to be approved in 2019. This is very good progress and no corrective actions are foreseen.</p> <p><u>Output Indicator Targets 2023</u></p> <p><u>3.1 - N° of projects on implementing the Union's control, inspections and enforcement system (Target 2023- 10)</u></p> <p>Implementation of the Control and enforcement scheme did not begin until 2015 but in the period 2015-2018 13 projects were implemented to support this objective. Projects are ongoing and envisaged are multi-annual in nature. This represents approximately 130% of the target described in the Performance framework. This exceeds the target for the OP at this point in time. Further projects are to be approved in 2019, which can be expected to facilitate further achievement of the targets set out in the Performance framework.</p> <p><u>2.2 - N° of projects on supporting the collection, management and use of data (Target 2023- 2)</u></p> <p>To date 1 project on supporting the collection, management and use of data has been completed. In 2018 a further project to support the 2017-2019 DCF was approved and implemented in the period 2017-2018. This equates to 100% of the target for the OP described in the Performance framework. This will achieve the target for the OP at this point in time.</p>
4 - Increasing employment and territorial cohesion	In the period 2014-2016 there was little or no progress under progress in activities supported under UP 4. 7 FLAG strategies were not adopted until the end of 2016 and therefore the process of selecting, approving and implementing of FLAG projects did not begin until the 2017. In the period up the the end of 2018 the seven FLAG Boards approved 400 projects with total public investment of €5,211,271 and in the same period 342 projects were implemented with supports of

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>€3,717,670 in public expenditure.</p> <p>Overall progress in Union 4 has been very positive despite not beginning implementation until 2017. As a result the output indicator milestone has been achieved and the financial indicator milestone was very close to achievement.</p> <p>The following sections outline the progress made in achieving milestones and targets under Union Priority 6 in the period up to end of 2018.</p> <p><u>Financial Indicator (Milestone 2018 - €3,750,000)</u></p> <p>To date approximately €3,717,281 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 99.13% of the milestone described in the Performance framework. This is satisfactory progress and no corrective actions are envisaged to achieve this milestone.</p> <p><u>Output Indicator Milestones 2018</u></p> <p><u>4.1 - N° of local development strategies selected (Milestone 2018 - 7)</u></p> <p>To date 7 local development strategies have been selected. This represents 100% of the milestone for 2018. This is as expected.</p> <p><u>Financial Indicator 2023 (Target - €12,000,000)</u></p> <p>To date approximately €3,717,281 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 30.97% of the target described in the Performance framework. This is</p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>satisfactory progress taking into account the late implementation of the FLAG strategies. The implementation of the FLAG scheme will need to be continuously monitored and if there is a possibility of a decline in spend then the Managing Authority may consider a re-allocation of unspent funds in other priority areas and therefore a modification to the existing OP.</p> <p><u>Output Indicator Target 2023</u></p> <p><i><u>4.1 - N° of local development strategies selected (Target - 7)</u></i></p> <p>To date 7 local development strategies have been selected. This represents 100% of the target for 2023. No further action is required to achieve this target.</p>
5 - Fostering marketing and processing	<p>In the period 2014-2015 there was little or no progress in activities supported under UP 5. Applications and implementation of projects supported under UP 5 begun in 2016. In the period 2016-2018 progress was slow initially but has increased in 2018. At the end of 2018 the EMFF OP 2014-2020 approved 147 projects with total public investment of €16.89 million and in the same period 101 projects were implemented with supports of €13.55 million in public expenditure.</p> <p><u>Financial Indicator (Milestone 2018 - €10,500,000)</u></p> <p>To date approximately €9,036,219 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 86.06% of the milestone described in the Performance framework. This does not reach the milestone outlined in the OP but does exceed the required threshold of 85%. There is a further €5.1 million in public expenditure for 2018 which has yet to be certified and will be submitted in a claim to the EU Commission in the second half of 2019. This is satisfactory progress and no corrective actions are envisaged to achieve this milestone.</p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p><u>Output Indicator Milestones 2018</u></p> <p><i><u>5.2 - N° of projects on marketing measures and storage aid (Milestone 2018 - 3)</u></i></p> <p>In the period 2016-2018, 31 projects on marketing measures and storage aid have been implemented up to the end of 2018. This equates to 1033.33% of the milestone for 2018 set in the Performance Framework. This far exceeds the milestone , but indicates that the milestone was an under-estimate.</p> <p><i><u>5.3 - N° of projects on processing (Milestone 2018 - 40)</u></i></p> <p>In the period 2016-2018, 92 projects on processing have been implemented up to end of 2018. This equates to 230% of the milestone for 2018 described in the Performance Framework. This exceeds the milestone set and indicates that the milestone was an under-estimate.</p> <p><u>Financial Indicator 2023 (Target - €38,281,587)</u></p> <p>To date approximately €9,036,219 of public expenditure has been submitted by beneficiaries and certified by the Managing Authority in claims submitted to EU Commission. This represents approximately 23.60% of the milestone described in the Performance framework. There is a further €5.1 million in public expenditure for 2018 which has yet to be certified and will be submitted in a claim to the EU Commission in the second half of 2019. This is satisfactory progress and no corrective actions are envisaged to achieve this target.</p> <p><u>Output Indicator Targets 2023</u></p> <p><i><u>5.2 - N° of projects on marketing measures and storage aid (Target 2023 - 30)</u></i></p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p>In the period 2016-2018, 31 projects on marketing measures and storage aid have been implemented up to the end of 2018. This equates to 103.3% of the target for OP set in the Performance Framework. This is satisfactory progress and no corrective actions are envisaged to achieve this target.</p> <p><i><u>5.3 - N° of projects on processing (Target 2023- 100)</u></i></p> <p>In the period 2016-2018, 92 projects on processing have been implemented up to end of 2018. This equates to 92% of the target for the OP described in the Performance Framework. This is good progress and there is no corrective actions required to meet the target on OP closure.</p>
6 - Fostering the implementation of the Integrated Maritime Policy	<p>In the period 2014-2015 there was little or no progress in activities supported under UP 6. Project applications and implementation of those selected only began in 2017. In the period 2017-2018 progress was slow initially but has increased in 2018. At the end of 2018 the EMFF OP 2014-2020 approved 21 projects with total public investment of €7,022,900 and in the same period 19 projects were implemented with supports of €3,838,484 in public expenditure.</p> <p>Overall progress in Union Priority 6 has been very positive despite not beginning implementation until 2017. As a result all milestones have been achieved and in all cases well exceeded in in the period up to the end of 2018. In relation to overall targets for Union Priority 6 it is envisaged that all targets will be achieved or exceeded at closure of the OP.</p> <p>The following sections outline the progress made in achieving milestones and targets under Union Priority 6 in the period up to end of 2018.</p> <p><i><u>Financial Indicator (Milestone 2018 - €2,000,000)</u></i></p> <p>Eligible Public Expenditure of €3,838,484 was declared by beneficiaries and subsequently certified by the Managing Authority up to end of 2018. This represents approximately 191.92% which exceeds the milestone described in the Performance framework. This is expected to continue throughout the lifetime of the OP and no corrective actions are envisaged to achieve this milestone at this time.</p>

Union priority	Assessment whether progress made toward milestones and targets is sufficient to ensure their eventual fulfilment, indicating any remedial actions taken or planned
	<p data-bbox="603 331 1066 365"><u>Output Indicator Milestones 2018</u></p> <p data-bbox="603 432 1497 499"><i><u>6.2 - N° projects on the protection and improvement of knowledge on marine environment (Milestone 2018 - 2)</u></i></p> <p data-bbox="603 566 1517 819">Despite the delayed implementation of projects under Union Priority 6 where activity only begun in 2107, 21 projects have been implemented in the period up to end of 2018. This represents approximately 1050.00% which exceeds the milestone described in the Performance framework. This is expected to continue throughout the lifetime of the OP and no corrective actions are envisaged to achieve this milestone at this time.</p> <p data-bbox="603 987 1305 1021"><u>Financial Indicator 2023 (Target 2023- €10,669,344)</u></p> <p data-bbox="603 1088 1522 1301">Eligible Public Expenditure of €3,838,484 was declared by beneficiaries and subsequently certified by the Managing Authority up to end of 2018. This represents approximately 35.9% of the target set out in the OP. This is expected to continue throughout the lifetime of the OP and no corrective actions are envisaged to achieve this target at this time.</p> <p data-bbox="603 1469 1023 1503"><u>Output Indicator Targets 2023</u></p> <p data-bbox="603 1570 1497 1637"><i><u>6.2 - N° projects on the protection and improvement of knowledge on marine environment (Target 2023 - 5)</u></i></p> <p data-bbox="603 1704 1517 1917">Despite the delayed implementation of projects under Union Priority 6 where activity only begun in 2107, 21 projects have been implemented in the period up to end of 2018. This represents approximately 420.00% of the target set out in the OP. This is expected to continue throughout the lifetime of the OP and no corrective actions are envisaged.</p>
7 - Technical assistance	

12. HORIZONTAL PRINCIPLES OF IMPLEMENTATION (ARTICLE 50(4) OF REGULATION (EU) NO 1303/2013)

12.1. An assessment of the implementation of specific actions to take into account the principles set out in Article 5 of Regulation (EU) No 1303/2013 on partnership and multi-level governance, with particular emphasis on the role of partners in the implementation of the programme.

Following the formal launch of the Programme in January 2016, a Monitoring Committee constituted in accordance with Article 5 of Regulation 1303/2013.

The Monitoring Committee met on 3 occasions in 2018, namely 18 January, 3 May and 30 November 2018. The Monitoring Committee was the vehicle for implementing partnership and multi-level governance in the Programme.

The membership of the Committee reflected its intended role and the requirements of Article 5. Membership comprised the following:

Economic and Social Partners

- Bord Bia
- Enterprise Ireland,
- Údarás Na Gaeltachta
- Marine Institute
- Bord Iascaigh Mhara
- Sea Fisheries Protection Authority

Civil Society

- Environmental Pillar (x2)
- IFA Aquaculture
- Irish Shellfish Association
- Irish Salmon Growers Association

- Seafood Processors and Exporters Association
- FLAGs (x 2)
- National Inshore Fisheries Forum (x 2).
- Irish Business & Employers Confederation,
- Killybegs Fishermens Organisation
- Irish Fish Producers Organisation
- Irish South & East Fish Producers Organisation
- Irish South & West Fish Producers Organisation

Competent urban and public authorities

- National Parks and Wildlife Service - Department of the Arts, Heritage, Regional, Rural and Gaeltacht Affairs
- Department of Education and Skills (European Social fund)
- Department of Public Expenditure and Reform (ERDF)
- Department of Defence (control Partner)
- Department of Housing Planning and Local Government
- Department of Communications Climate Action and Environment
- Eastern and Midlands Regional Assembly
- Southern Regional Assembly
- Northern & Western Regional Assembly

In 2018, the Monitoring Committee was facilitated in its monitoring role for the Programme through a

number of aspects of meetings of the Monitoring Committee. These were:

- Prior circulation of documents to allow detailed examination and preparation of comments;
- Presentation by the Managing Authority of Annual Implementation Reports, followed by group discussion and approval;
- Presentation of proposals for new schemes and of design changes to existing schemes, followed by group discussion and approval;
- Presentation by technical experts for each thematic area of progress updates on schemes, followed by group discussion;
- Presentation by selected experts of deep-dive presentations on selected schemes, followed by group discussion..
- Presentation by the Managing Authority of progress updates, including on the Performance Framework, followed by group discussion.
- Circulation of minutes of Monitoring Committees for agreement.

A dedicated EMFF website is in operation providing an information portal containing programme documents, selection criteria, links to scheme brochures, details of beneficiaries, minutes of Monitoring Committee meetings, presentations, reports etc. Individual intermediate bodies and public beneficiary bodies also operate dedicated EMFF webpages providing details of their EMFF funded activities.

Arrangements are in place to facilitate support to Civil Society members of the Committee through Technical Assistance under the Programme for the travel and subsistence costs of attending meetings of the Monitoring Committee. Separately, a Seafood Capacity Building Scheme was brought forward under article 29 EMFF to support organisations representing stakeholders in Fisheries, Aquaculture or Seafood Processing (industry and civil society) with the costs of staging conferences and workshops, attending expert meetings, dissemination of information and website development.

12.2. An assessment of the implementation of specific actions to take into account the principles set out in Article 7 of Regulation (EU) No 1303/2013 on promotion of equality between men and women and non-discrimination, including accessibility for disabled persons as well as the arrangements implemented to ensure the integration of the gender perspective in the Operational Programme.

Section 9.1.1 of the Operational Programme details the programme arrangements to ensure the integration of gender equality / non-discrimination and accessibility principles in the implementation of the programme.

In practice, the profile of beneficiaries under Ireland's EMFF Operational Programme in the period 2014-2018 was overwhelmingly enterprises, rather than individuals. All applicants for support in the area of seafood processing are registered seafood processing enterprises or public bodies, while all applicants for supports in the area of aquaculture are licensed aquaculture enterprises, public bodies, or research institutions. For fisheries, schemes are overwhelmingly open only to owners of registered seafishing boats, Registered Cooperatives, Seafood Processors or Producer Organisations. For FLAGs, potential applicants are community groups, enterprises and owners of sea-fishing boats. The risk of gender or other discrimination in relation to selection of beneficiaries is therefore considered to be extremely low.

The gender profile of employees of beneficiaries is collected through the application process for schemes. For fisheries and aquaculture, these processes indicate a difficulty for the applicant enterprises in attracting female employees to occupations that involve physically demanding manual labour in harsh and potentially hazardous conditions. For similar reasons these occupations are not suited to persons with disabilities.

One distinct project supported under the EMFF OP2014-2020 to support this horizontal principle is the formation of a Women in Fisheries network in Ireland.

According to the United Nations Food and Agricultural Organisation “It is necessary to invest in women’s networks, as they can play important roles in mobilizing and redistributing resources, promoting labour opportunities, providing information, and in creating new coping strategies for households and communities.” The three main areas of activity implemented by the network are as follows:

- Building internal capacity - Becoming an independent group with the capacity to influence and improve fishing livelihoods and policies. Coaching for individuals in the core group, focused group meetings to decide on where to focus activities, training and developing the group to work effectively
- Building external networking capacity - To roll out awareness of the network and its activities to women in different fisheries communities. Create local publicity for network related events such as finance training courses. To establish and run web and social media tools effectively in promoting the organisation and its events.
- LAST(Lost at Sea Tragedies) - LAST is a national charity managed by the fishing sector itself. A key objective of the network is to expand the LAST network around the coast increasing the services and support in times of loss for families. Activities have included raising money, through a FLAG application, and improving the profile and communications strategies of LAST.

12.3. An assessment of the implementation of specific actions to take into account the principles set out in Article 8 of Regulation (EU) No 1303/2013 on sustainable development, including an overview of the actions taken to promote sustainable development.

A range of measures under Ireland's EMFF Operational Programme contribute to the enhancement of the environmental, economic and social sustainability of the seafood sector and the marine environment.

The EMFF Marine Biodiversity Scheme is a key intervention in terms of biodiversity protection and environmental sustainability. The objective of the Marine Biodiversity Scheme is to promote good fisheries and aquaculture management and protect biodiversity in marine habitats. The Scheme supports implementation of the CFP and compliance with the Habitats and Birds Directives (Natura 2000) and the

Marine Strategy Framework Directive. The scheme supports actions with the specific objectives of

1. reducing the impact of fisheries and aquaculture on the marine environment, including the avoidance and reduction, as far as possible, of unwanted catch
2. protecting and restoring aquatic biodiversity and ecosystems.

In 2018, the Marine Biodiversity Scheme invested in excess of €2 million in EMFF funds on a range of projects beneficial to biodiversity and the marine environment. These included:

- Restoration of crayfish stocks.
- Restoration of Skate and Ray stocks.
- Restoration of Native Oyster stocks.
- Mapping of fishing pressure and fishery NATURA interaction
- Surveying of offshore reef SACs to map sensitive reef areas along Ireland's offshore banks and the northern continental slope
- Appropriate Assessment, monitoring and mitigation of fishing and aquaculture activities.
- A project on testing the feasibility of aerial surveys for biodiversity monitoring was initiated in 2018 and a scan of aerial surveys was completed across three areas on the east coast of Ireland to monitor the distribution of seabirds and wading birds.

Another key measure implemented in 2018 was the **Sustainable Fisheries Scheme**. The objective of this Scheme is to support the CFP Landing Obligation and otherwise support implementation of the CFP by helping fishermen avoid juvenile, depleted and choke stocks through development of a change management process and deployment of more selective fishing methods and other means to support individual change management plans. The Scheme also aims to reduce the impact of fisheries on the marine environment by promoting good fisheries management, protecting biodiversity in marine habitats, conserving and re-building stocks and supporting efficient design and implementation of conservation measures and regional cooperation under the CFP. In 2018 the Scheme supported projects including:

- Development of more selective fishing gear to avoid capture of non-target species, under-size fish and cetaceans,
- Conduct of high survivability trials to allow derogation from the Landing Obligation and allow return to the sea of non-target species that can be proven to survive capture and return,
- Clean Oceans Initiative, which assists fishermen to collect marine litter captured in their nets, particularly plastics and old fishing gear, and return it to port for re-cycling or disposal,

Other EMFF schemes implemented in 2018 contributing to sustainable development included the Sustainable Aquaculture Scheme, the Knowledge Gateway Scheme, the Inshore Fisheries Conservation Scheme, the Data Collection Scheme and the Marine Spatial Planning Scheme.

13. REPORTING ON SUPPORT USED FOR CLIMATE CHANGE OBJECTIVES (ARTICLE 50(4) OF REGULATION (EU) NO 1303/2013)

Figures are calculated automatically and will be included into Table 4 on financial data. A clarification on the given values may be provided, particularly if the actual data is lower than the planned.

This section is not applicable to the 2018 AIR.

14. SMART, SUSTAINABLE AND INCLUSIVE GROWTH (ARTICLE 50(5) OF REGULATION (EU) NO 1303/2013)

Information and assessment should be provided on the Operational Programme's contribution to achieving the objectives of the Union strategy for smart, sustainable and inclusive growth.

Over the period 2014-2018 the EMFF OP in Ireland has made contributions to achieving the objectives of the Union strategy for smart, sustainable and inclusive growth. The following sections outline those achievements broken down into the three pillars of the Union Strategy. □

Smart growth: developing an economy based on knowledge and innovation.

Direct Impact

Under the smart growth Pillar the EMFF OP approved 84 projects with €9.58 million of public investment (€4.79 EMFF) in the period 2014-2018 that focused primarily on innovation in the fisheries, processing and aquaculture sectors. Some of the projects included were:

- Operation and support of a new innovation process in the Seafood Innovation Hub, Clonakilty.
- Green Seafood Processing – initiatives in the seafood processing sector to generate cost reductions in the areas of water energy, waste and transport.
- Technical development of seaweed cultivation and integrated multi-trophic aquaculture (IMTA).
- Developing hatchery techniques for scallop and native oyster.

To support smart growth under the EMFF OP the following articles were implemented.

Article 26 - Innovation (Fisheries & Processing)

A budget of €6.49 million (€3.25 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 41 projects were approved with public investment of €3.5 million (€1.75 million EMFF), of which €2.9 million (€1.45 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 28 - Partnership between scientists and fishermen

A budget of €0.5 million (€0.25 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 3 projects were approved with public investment of €0.14 million (€0.07 million EMFF), of which €0.035 million (€0.018 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 31 - Start-up support for Young Fishermen

A budget of €0.5 million (€0.25 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 5 projects were approved with public investment of €0.28 million (€0.14 million EMFF), of which €0.28 million (€0.14 million EMFF) has been declared by

beneficiaries to the Managing Authority.

Article 47 - Innovation (Aquaculture)

A budget of €10.00 million (€5.0 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 35 projects were approved with public investment of €5.57 million (€2.79 million EMFF), of which €3.35 million (€1.68 million EMFF) has been declared by beneficiaries to the Managing Authority.

Indirect Impact.

Under the smart growth Pillar the EMFF OP approved 411 projects with €44.36 million of public investment (€22.18 EMFF) in the period 2014-2018. The main focus of investment was identified as adding value to fishery products, investment in fishing port, productive investments in aquaculture and marketing measures. Some of the projects included were:

- Improvement projects which aim to assist fishermen and onshore businesses to meet the challenges of the landing obligation.
- Development of Oyster Farms.
- Capacity development on seaweed farms
- Improve working conditions for staff and users of the harbour.
- Increase the quality of products landed in the harbour.
- Domestic Market Seafood campaigns
- International Market consumer research.

Sustainable growth: promoting a more resource-efficient, greener and more competitive economy.

Direct Impact - Preserving and protecting the environment and promoting resource efficiency

Under the sustainable growth Pillar the EMFF OP approved 263 projects with €83.28 million of public investment (€41.64 EMFF) in the period 2014-2018 that focused primarily on protection and restoration of marine biodiversity, data collection, control & enforcement and improving the knowledge on the state of the marine environment. Some of the projects included were:

- Development of a Quota Balancing IT system
- Improving Gear Selectivity to address the Landing Obligation
- Fishing for Litter and Waste Management Programme
- Digitalisation Technologies for the Catching Sector
- Aquaculture Carrying capacity project.
- Data Collection Framework 2017-2019
- Data Integration for Improved Spatial Analysis and Representation

To support sustainable growth where the main objective is to protect the environment and promote resource efficiency under the EMFF OP the following articles were implemented.

Article 36 - Support to systems of allocation of fishing opportunities

A budget of €2.0 million(€1.0 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 1 project was approved with public investment of €2.0 million(€1.0 million EMFF), of which €0.74 million(€0.37 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 38 Limiting the impact of fishing on the marine environment

A budget of €1.0 million(€0.5 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 21 projects were approved with public investment of €0.21million(€0.11 million EMFF), of which €0.21million(€0.11 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 39 - Innovation linked to conservation of marine biological resources

A budget of €1.0 million(€0.5 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 2 projects were approved with public investment of €0.69 million(€0.35 million EMFF), of which €0.17 million(€0.09 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 40.1.a - Protection and restoration of marine biodiversity - marine litter

A budget of €1.0 million(€0.5 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 2 projects were approved with public investment of €0.36 million(€0.18 million EMFF), of which €0.14 million(€0.07 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 43.2 - fishing ports - investment to facilitate compliance with obligation to land all catches

A budget of €1.0 million(€0.5 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 2 projects were approved with public investment of €0.43 million(€0.22 million EMFF), of which €0.19 million(€0.1 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 40.1.b-g,i - Protection and restoration of marine biodiversity - contribution to better management or conservation

A budget of €6.0 million(€3.0 million EMFF) was allocated to this article over the lifetime of the

OP. In the period 2014-2018, 198 projects were approved with public investment of €2.42 million(€1.21 million EMFF), of which €1.84 million(€0.92 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 51 - Increasing the potential of aquaculture sites

A budget of €0.1 million(€0.05 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 1 project was approved with public investment of €0.01 million(€0.005 million EMFF), of which €0.01 million(€0.005 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 77 - Data Collection

A budget of €40.70 million(€32.56 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 2 projects were approved with public investment of €40.70 million(€32.56 million EMFF), of which €34.61million(€27.69 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 76 - Control and Enforcement

A budget of €44.23 milion(€37.23 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 13 projects were approved with public investment of €29.44million(€24.12 million EMFF), of which €11.3 million(€10.17 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 80.1.b - Promotion of the protection of marine environment

A budget of €6.0 milion(€3.0 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 7 projects were approved with public investment of €2.5 million(€1.25 million EMFF), of which €2.07 million(€1.04 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 80.1.c - Improving the knowledge on the state of the marine environement

A budget of €4.67 milion(€2.33 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 14 projects were approved with public investment of €4.52 million(€2.76 million EMFF), of which €1.77 million(€0.89 million EMFF) has been declared by beneficiaries to the Managing Authority.

Direct Impact - Supporting the shift towards a low-carbon economy in all sectors

Under the sustainable growth Pillar the EMFF OP approved 20 projects with €0.71million of public investment (€0.36 EMFF) in the period 2014-2018 that focused primarily on energy efficiency on board Irish fishing vessels. Some of the projects included were:

- Equipment to improve fuel efficiency including fuel monitoring equipment.
- Gear monitoring equipment and fuel efficient fishing gears.

To support sustainable growth where the main objective was to support a shift towards a low-carbon economy under the EMFF OP the following article was implemented.

Article 41.1.a,b,c - Energy efficiency and mitigation of climate change

A budget of €2.50 milion(€1.75 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 20 projects were approved with public investment of €0.71 million(€0.36 million EMFF), of which €0.71 million(€0.36 million EMFF) has been declared by beneficiaries to the Mananging Authority.

Inclusive growth: fostering a high-employment economy delivering social and territorial cohesion.

Direct Impact

Under the inclusive growth Pillar the EMFF OP approved 429 projects with €7.88 million of public investment (€3.94 EMFF) in the period 2014-2018 that focused primarily on promoting human capital and implementation of the Local Development Strategies (LDS). Some of the projects included were:

- Capital investments in micro seafood enterprises
- Marine tourism and marine leisure projects,
- Heritage projects,
- Small harbour facilities and environmental projects.
- Environmental and training projects.
- Women in Seafood
- National Fishermens Development group
- Supporting Networking in the Inshore Fisheries Sector

To support inclusive growth under the EMFF OP the following articles were implemented.

Article 29.1 + 29.2 - Promoting Human Capital and social dialogue

A budget of €5.0 million (€2.5 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 29 projects were approved with public investment of €2.70 million (€1.35 million EMFF), of which €2.50 million (€1.25 million EMFF) has been declared by beneficiaries to the Managing Authority.

Article 63 - Implementation of local development strategies

A budget of €11.65 million (€5.83 million EMFF) was allocated to this article over the lifetime of the OP. In the period 2014-2018, 400 projects were approved with public investment of €5.21 million (€2.6 million EMFF), of which €3.60 million (€1.80 million EMFF) has been declared by beneficiaries to the Managing Authority.

15. ISSUES AFFECTING THE PERFORMANCE OF THE PROGRAMME — PERFORMANCE FRAMEWORK (ARTICLE 50(2) OF REGULATION (EU) NO 1303/2013)

Where the assessment of progress made with regard to the milestones and targets set out in the performance framework demonstrates that certain milestones and targets have not been achieved, Member States should outline the underlying reasons for failure to achieve these in the report of 2019 (for milestones) and the report by the deadline referred to in Article 138(1) of Regulation (EU) No 1303/2013 (for targets)

Ireland has achieved its 2018 Milestones for each of the six Union Priorities.

The 2018 milestones comprise both output and financial milestones to be achieved by end 2018. Achievement of the financial milestones are required to be reported based on claims submitted to the Commission by the submission date of this report and based on certified expenditure. In fact claims submitted by Ireland relate in most cases to Programme expenditure only up to the end of 2017, as the process of performing article 125 verification checks and preparing claims typically takes up to Autumn of the following year to complete and so only a small portion of Ireland's 2018 expenditure is taken into account in the final Performance Framework figures presented in this report for the 2018 Milestones. The Milestones would have been considerably exceeded in many cases, had the actual spend to end 2018 been considered.

The format of this report does not allow for a tabular presentation of the outcome for 2018 milestones. However, such a table is presented in the Citizens' Summary document.

16. WHERE APPROPRIATE, THE CONTRIBUTION TO MACRO-REGIONAL AND SEA BASIN STRATEGIES.

As stipulated by the Regulation (EU) No 1303/2013, article 27(3) on the "content of programmes", article 96(3)(e) on the "content, adoption and amendment of operational programmes under the Investment for growth and jobs goal", article 111(3) and 4(d) on "implementation reports for the Investment for growth and jobs goal", and Annex 1, section 7.3 on "contribution of mainstream programmes to macro-regional and sea-basin strategies, this programme contributes to MRS(s) and/or SBS

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- EU Strategy for the Baltic Sea Region (EUSBSR)
- EU Strategy for the Danube Region (EUSDR)
- EU Strategy for the Adriatic and Ionian Region (EUSAIR)
- EU Strategy for the Alpine Region (EUSALP)
- Atlantic Sea Basin Strategy (ATLSBS)
- WestMED Sea Basin Strategy (WestMED)

Priority(s) and objective(s) that your programme is relevant to:

	Priority	Objective
<input checked="" type="checkbox"/>	1 - Promote entrepreneurship and innovation	1.1 - Sharing knowledge between higher education organisations, companies and research centers
<input checked="" type="checkbox"/>	1 - Promote entrepreneurship and innovation	1.2 - Enhancement of competitiveness and innovation capacities in the maritime economy of the Atlantic area
<input checked="" type="checkbox"/>	1 - Promote entrepreneurship and innovation	1.3 - Fostering adaptation and diversification of economic activities by promoting the potential of the Atlantic area
<input type="checkbox"/>	2 - Protect, secure and develop the potential of the Atlantic marine and coastal environment	2.1 - Improving maritime safety and security
<input checked="" type="checkbox"/>	2 - Protect, secure and develop the potential of the Atlantic marine and coastal environment	2.2 - Exploring and protecting marine waters and coastal zones
<input checked="" type="checkbox"/>	2 - Protect, secure and develop the potential of the Atlantic marine and coastal environment	2.3 - Sustainable management of marine resources
<input type="checkbox"/>	2 - Protect, secure and develop the potential of the Atlantic marine and coastal environment	2.4 - Exploitation of the renewable energy potential of the Atlantic area's marine and coastal environment
<input type="checkbox"/>	3 - Improve accessibility and connectivity	3.1 - Promoting cooperation between ports
<input type="checkbox"/>	4 - Create a socially inclusive and sustainable model of regional development	4.1 - Fostering better knowledge of social challenges in the Atlantic area
<input checked="" type="checkbox"/>	4 - Create a socially inclusive and sustainable model of regional development	4.2 - Preserving and promoting the Atlantic's cultural heritage

What were the actions or mechanisms used to better link the programme with the Atlantic SBS

A. Are the Sea Basin Strategic coordinators (mainly National Coordinators, Priority Area Coordinators or members, and/or Objective coordinators or members) participating in the Monitoring Committee of the programme

Yes No

B. In selection criteria, have extra points been attributed to specific measures supporting the ATLSBS

Yes No

C. Has the programme invested EU funds in the ATLSBS

Yes No

Approximate or exact amount in Euro invested in the ATLSBS:

ERDF	
CF	
ESF	
EAFRD	
EMFF	3,894,549.00
any other funds	

If "any other funds" please name the funds

Obtained results in relation to the ATLSBS (n.a. for 2017)

DOCUMENTS

Document title	Document type	Document date	Local reference	Commission reference	Files	Sent date	Sent By
Citizens Summary 2018	Citizens' summary	25-Jun-2019		Ares(2019)4058224	Citizens Summary 2018	26-Jun-2019	nkelleke

LATEST VALIDATION RESULTS

Severity	Code	Message
Info		Implementation report version has been validated