## EMFF Information Fiche 13 Annex I

## **DRAFT EMFF COMMON RESULT INDICATOR DEFINITIONS**

## 23.9.19

No	1. Volume of (landings/aquaculture production/processing)
Indicator name	Volume of (landings/aquaculture production/processing)
Measurement unit	tonnes
Definition	<ul> <li>Annual volume of live weight equivalent of landings (fisheries)</li> <li>Annual volume of fish produced or processed in product weight (aquaculture and processing)</li> </ul>
Further clarification	<ul> <li>volume intended for sale for human consumption</li> <li>values can also be negative if operations lead to reduction of production, in this case the indicator is ideally used together with the result indicator on value of landings/production</li> <li>Sector defined in Infosys</li> </ul>
OP level	
Clarification	<ul> <li>in the OP the indicators should express the change of volume with the support of EMFF</li> <li>different from the indicator at the operational level</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective ex-ante</li> <li>estimation of target values should be based on beneficiary input and experience from historic values or benchmarks from other operations</li> <li>the target value achievements will be calculated based on the total achieved results at operational level minus the total baseline value at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>volume of production before and after the operation</li> <li>the volume reported by the beneficiary in the case of fishing should be based on logbooks or landing declarations as applicable</li> <li>For aquaculture and processing volume of production should be reported for the production unit directly involved in the operation. In the case of small companies, the volume of production of the whole company can be reported. In the case of large companies only the volume of production of the department/location involved in the operation should be reported for cases where no logbooks or production recording obligations exist or there is only a simplified version, beneficiary estimates are valid.</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	the time span from directly before the operation to after completion for which the most current annual values are available

No	1. Volume of (landings/aquaculture production/processing)
	if available, averages over more than one annual cycle should be used
Baseline for the single operation	<ul> <li>volume of landings/production before the operation (at least one annual cycle value, ideally an average of more than one cycle)</li> </ul>
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>Volume of landings/production at or n years after the completion of operation (at least at the time of completion, better when at least one annual cycle value is available, ideally an average of more than one cycle)</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>diversification</li> <li>product innovation</li> <li>process innovation</li> <li>marketing innovation</li> <li>gear selectivity in relation to fish</li> <li>animal welfare</li> <li></li> </ul>

No	2. Production capacity (aquaculture/processing)
Indicator name	Production capacity (aquaculture/processing)
Measurement unit	Tonnes/annum
Definition	Potential production capacity per year for fish produced or processed in product weight (aquaculture and processing)
Further clarification	<ul> <li>Indicator refers to the potential production capacity based on the facility specifications, not to actual production</li> <li>volume intended for sale for human consumption</li> <li>Sector defined in Infosys</li> </ul>
OP level	
Clarification	<ul> <li>in the OP the indicators should express the change of production capacity per year with the support of EMFF</li> <li>different from the indicator at the operational level</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective ex-ante</li> <li>target value of zero indicates investments for the maintenance of the status quo;</li> <li>estimation of target values should be based on beneficiary input and experience from historic values or benchmarks from other operations</li> <li>the target value achievements will be calculated based on the total achieved results at operational level minus the baseline value at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	volume of production capacity before and after the operation

No	2. Production capacity (aquaculture/processing)
	<ul> <li>For aquaculture and processing volume of production should be reported for the capacity of production unit directly involved in the operation. In the case of small companies, the volume of production of the whole company can be reported. In the case of large companies only the volume of production of the department/location involved in the operation should be reported</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the	duration of the operation
single operation	
Baseline for the single operation	Potential production capacity before the operation
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>Potential production capacity at the time of completion</li> </ul>
Indicative list of related	productive investments
types of	product innovation
operations/intervention	<ul><li> process innovation</li><li> animal welfare</li></ul>
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No	3. Value of (landings/aquaculture production/processing)
Indicator name	Value of (landings/aquaculture production/processing)
Measurement unit	EUR
Definition	Total annual revenue ONLY from sale of fish and related fishery products from landings (fisheries)  Total annual revenue generated ONLY from the sales of aquaculture production (aquaculture)  Total annual revenue generated from the sales of processed products (processing)
Further clarification	<ul> <li>The indicators refer to the value of sales for human consumption</li> <li>The indicator refers ONLY to revenue from the sales of aquaculture products or processed products from the beneficiary premises (including processed products from its own primary production).</li> <li>Any other sources of revenue (e.g. from reselling) should be excluded unless of minimal importance, e.g. contributing less than 10% of the revenue.</li> <li>Sector defined in Infosys</li> </ul>
OP level	
Clarification	<ul> <li>in the OP the indicators should express the <b>change of value</b> with EMFF support</li> <li>different from the indicator at the operational level</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values should be based on beneficiary input and experience from historic values or benchmarks from other operations</li> <li>the target value achievements will be calculated based on the total achieved results at operational level minus the baseline value at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>value of production before and after the operation</li> <li>The figure is based on the profit and loss account or any other equivalent document from the beneficiary. It should refer only to revenue (i.e. total sales or turnover) from relevant products</li> <li>for cases where no bookkeeping obligations exist or there is only a simplified version, beneficiary estimates are valid</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	<ul> <li>the time span from directly before the operation to after completion for which the most current annual values are available</li> <li>if available, averages over more than one annual cycle should be used</li> </ul>
Baseline for the single operation	value of landings/production <b>before</b> the operation
Target value	ex-ante assumption of the target value

No	3. Value of (landings/aquaculture production/processing)
Achieved value	<ul> <li>Value of landings/production at completion or n years after the completion of the operation (at least at the time of completion, better when at least one annual cycle value is available, ideally an average of more than one cycle)</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>diversification</li> <li>product innovation</li> <li>process innovation</li> <li>marketing innovation</li> <li>gear selectivity in relation to fish</li> <li>animal welfare</li> <li></li> </ul>

No	4. Businesses created
Indicator name	Businesses created
Measurement unit	Number
Definition	Number of businesses created based on formal registration of these businesses in the respective registry of the MS
Further clarification	<ul> <li>all businesses are eligible regardless of size, legal form (sole operator, limited or stock company) and turnover</li> <li>for businesses requiring extensive approvals or permits before commencing operations, preliminary business registration prior to approval or granting of permits also count as formal registration for this indicator.</li> <li>the beneficiary can also be a different entity from the business founder</li> <li>for CLLD, "business created" refers to all types of new businesses in the FLAG area; operations do not need to be directly related to the fisheries or maritime sectors</li> </ul>
OP level	
Clarification	• in the OP the indicator should provide the number of businesses created with the support of EMFF
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values should be based on surveys among beneficiaries, studies, statistics or experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of businesses created</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a

No	4. Businesses created
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	number of business created at completion or up to n years <b>after</b> the completion of the operation
Calculation	n/a
Indicative list of related types of operations/intervention	<ul> <li>first acquisition of a fishing vessel</li> <li>marketing activities</li> <li>production and marketing plan</li> <li>business development</li> <li>training</li> <li>capacity building</li> <li>marketing innovation</li> <li>process innovation</li> <li>product innovation</li> <li>use of unwanted catches</li> <li>pilot projects</li> <li>socio-cultural development</li> <li>management (including technical assistance and fisheries management)</li> <li></li> </ul>

No	5. Businesses with higher turnover
Indicator name	Businesses with higher turnover
Measurement unit	Number
Definition	Number of businesses which achieved a higher turnover with EMFF support
Further clarification	all businesses are eligible regardless of size, legal form (sole operator, limited or stock company) and turnover
OP level	
Clarification	in the OP the indicator should provide the number of businesses with higher turnover with EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values should be based on surveys among beneficiaries, studies, statistics or experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of businesses with higher turnover (most likely 0 or 1)</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	• ex-ante assumption of the target value (most likely 0 or 1)
Achieved value	number of business with higher turnover at completion or n years     after the completion of the operation
Calculation	n/a
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>first acquisition of a fishing vessel</li> <li>production and marketing plan</li> <li>advisory services</li> <li>business development</li> <li>diversification</li> <li>training</li> <li>capacity building</li> <li>use of unwanted catches</li> <li>management (including technical assistance and fisheries management)</li> <li></li> </ul>

No	6. Innovations enabled
Indicator name	Innovations enabled
Measurement unit	Number
Definition	Number of innovations which are implemented or tested for new products, services, processes, business models. This includes also new methods of working fostered.
Further clarification	<ul> <li>This may include:</li> <li>identification or application of new ideas that are useful in finding solutions to issues of marketing</li> <li>identification or application of new ideas that are useful in finding solutions to issues of business processes (e.g. more sustainable fishing)</li> <li>identification or application of new ideas that result in new product and services (e.g. environmental and social services)</li> <li>support for changes or improvements in a series of linked tasks or activities to better help businesses reach their goals</li> <li>Studies, research and advice on potential innovations in the future are</li> </ul>
	excluded.
OP level	
Clarification	in the OP the indicator is the number of innovations enabled following EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on monitoring data, surveys and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>One operation can include one or several innovations, hence the estimated value can be close to the estimated output value</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of innovations enabled</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	number of innovations per operation at completion or n years <b>after</b> the completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>investment at fishing port</li> <li>training</li> <li>marketing innovation</li> <li>process innovation</li> </ul>

No	6. Innovations enabled
	<ul> <li>product innovation</li> <li>knowledge sharing</li> <li>cooperation</li> <li>gear modification to minimise habitat impacts</li> <li>pilot projects</li> <li>food safety</li> <li></li> </ul>

No	7. Entities benefitting from promotion and information activities
Indicator name	Entities benefitting from promotion and information activities
Measurement unit	Number
Definition	<ul> <li>number of entities (e.g. fisheries/processing companies, NGOs) as well as companies of any kind that are not grant beneficiaries but which benefit directly from promotion- and information-related operations implemented by the grant beneficiary</li> <li>differs from "persons benefitting" in that it does not include any individual persons unless they are sole operators</li> </ul>
Further clarification	<ul> <li>for example, if a regional authority or a PO participates in trade fairs, market promotion activities etc., the fishers (as a business entity) of the region or the members of the PO are represented and thus benefit directly; the same applies to any fish processing companies or retailers who benefit</li> <li>this indicator is not about the number of companies or persons who visit the trade fair pavilion of the beneficiary</li> <li>entities include businesses, FLAGs, NGOs, POs</li> <li>the number should be calculated modestly to be on the safe side</li> </ul>
OP level	
Clarification	• in the OP the indicator is the number of business entities benefitting from promotion and information activities following EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on survey and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>the target value might be based on beneficiary surveys</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>entities benefitting from promotion and information activities (e.g. participants on a stand at a fair, or in an information event)</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> <li>double counting can occur easily and should be avoided where possible</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a

No	7. Entities benefitting from promotion and information activities
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	entities benefitting from promotion and information activities at completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>marketing activities</li> <li>advisory services</li> <li>diversification</li> <li>training</li> <li>capacity building</li> <li>studies and research</li> <li>awareness raising, communication to the wider public</li> <li></li> </ul>

No	8. Volume of unwanted catch
Indicator name	Volume of unwanted catch
Measurement unit	Tonnes
Definition	Annual volume of unwanted catches subject to the Landing Obligation (LO) detailed in Article 15 of Reg. (EU) 1380/2013
Further clarification	
OP level	
Clarification	<ul> <li>in the OP the indicator should express the change of volume of unwanted catch with EMFF support</li> <li>different from the indicator at the operational level</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values should be based on types of fisheries targeted by the OP and types of gear involved</li> <li>the target value achievements will be calculated based on the total achieved results at operational level minus the baseline value at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>the volume of total catches of species subject to the Landing Obligation is reported by the beneficiary based on the logbooks or on landing declarations, as applicable</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> <li>availability of logbook records is a condition for the use of this RI</li> <li>if the beneficiary does not have the volume recorded in the logbook then the indicator cannot be used for the operation</li> </ul>
Inputs from other sources	n/a

No	8. Volume of unwanted catch
Inputs from the MA	n/a
Reference period for the single operation	<ul> <li>the time span from directly before the operation to after completion for which the most current annual values are available</li> <li>if available, averages over more than one annual cycle should be used</li> </ul>
Baseline for the single operation	• volume of unwanted catch <b>before</b> the operation (at least one annual cycle value)
Target value	ex-ante assumption of the target value
Achieved value	volume of unwanted catch at completion or <b>after</b> the completion of the operation (at least at the time of completion, better when at least one annual cycle value is available, ideally an average of more than one cycle)
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>productive investments</li> <li>gear modification to minimise habitat impacts</li> <li>gear selectivity in relation to endangered threatened and protected species</li> </ul>

No	9. Capacity of vessels withdrawn (GT/kw)
Indicator name	Capacity of vessels withdrawn (GT/kw)
Measurement unit	Gross tonnes (GT) kilowatt (kW)
Definition	Capacity of vessels withdrawn in GT/kW as specified in the fleet register
Further clarification	Indicator for permanent cessation Infosys should include the CFR number
OP level	
Clarification	• in the OP the indicator should provide the <b>total capacity</b> of vessels withdrawn with the support of EMFF
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>estimation of target values should be based on surveys among beneficiaries, studies, statistics or experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	GT/kW of vessel to be scrapped
Inputs from other sources	-
Inputs from the MA	-
Reference period for the single operation	Duration of the operation
Baseline for the single operation	• Zero

No	9. Capacity of vessels withdrawn (GT/kw)
Target value	GT/kW of vessel to be scrapped
Achieved value	GT/kW of vessel scrapped
Indicative list of related types of operations/intervention	Permanent cessation

No	10. Area addressed by operations protecting , conserving, and restoring biodiversity and ecosystems
Indicator name	Area addressed by operations protecting, conserving and restoring biodiversity and ecosystems
Measurement unit	km <sup>2</sup>
Definition	<ul> <li>km² of marine protected area (MPA)</li> <li>km² of Natura 2000 area</li> <li>km² of other protected area (e.g. inland water)</li> <li>km of rivers expressed as area (length in km multiplied by 0,010km for an estimated width which may also include part of the riparian zone)</li> </ul>
Further clarification	<ul> <li>the whole protected area is to be counted, regardless of the extent of a specific operation</li> <li>this includes establishing new areas but also the protection and restoration of biodiversity or ecosystems in an area that already has protected status</li> <li>formal or legal protected status of the area is not required</li> <li>it is sufficient that an operation is within the designated area and is clearly linked to the conservation management of the area in accordance with the requirements under the Birds 2009/147/EC or Habitats 92/43/EEC directives or the MSFD 2008/56/EC</li> <li>the area is defined as per its Standard Data Form (for Natura 2000 areas) or, in the case of other MPAs, its designation decree (agencies responsible for the management of protected areas can deliver the list of officially designated MPAs at a reference date, which should contain the spatial extent as a verification of the beneficiary data)</li> <li>other types of protected areas should be linked to the national ecosystem protection strategies or other relevant strategies</li> <li>in the case of rivers and other longitudinal water bodies a fictional width of 10m is assumed and the river is expressed as area. Disambiguation can be conducted in Infosys.</li> </ul>
OP level	
Clarification	in the OP the indicator is km² of protected area addressed with the support of EMFF
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on experience from the programming period 2014-2020, or on national strategies and plans</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>km² of the protected area concerned</li> <li>km of protected river (to be converted in area)</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	the MA should make sure to use the correct measurement unit (km²) and check the conversions of figures in other units (e.g. hectares or acres) from the beneficiary or other sources

No	10. Area addressed by operations protecting , conserving, and restoring biodiversity and ecosystems
Reference period for the single operation	duration of the operation
Baseline for the single operation	The baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>km² of marine protected area (MPA) at completion of the operation</li> <li>km² of Natura 2000 area at completion of the operation</li> <li>km² of other protected area (e.g. inland water) at completion of the operation</li> <li>km of protected river multiplied by 0,010km at completion of the operation</li> <li>double counting can occur easily and should be avoided where possible</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>Natura 2000 areas management and monitoring</li> <li>Natura 2000 areas restoration</li> <li>MPA management and monitoring</li> <li>MPA restoration</li> <li></li> </ul>

No	11. Actions addressing nature restoration, conservation, protection of ecosystems, biodiversity, health and welfare
Indicator name	Actions addressing nature restoration, conservation and protection of ecosystems, biodiversity, health and welfare
Measurement unit	Number
Definition	Actions can be related to  Conservation measures under Article 7 of the CFP Regulation  restoring ecological continuity of rivers, restocking of marine and inland water, environmental services and specific investments for improving aquatic habitats and biodiversity such as investment in demarcating areas, artificial reefs, rebuilding fish banks, river revitalization  refurbishment and equipment of vessels to meet CFP and IMP objectives  marine letter collection  animal welfare  extraordinary cessation when dictated by conservation reasons  One operation can include one or several actions
Further clarification	this indicator could include number of operations on inland waterways
OP level	
Clarification	in the OP the indicator is the number of actions addressing nature restoration and protection needs of biodiversity and ecosystems with the support of EMFF
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on experience from the programming period 2014-2020, or on national strategies and plans</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>One operation can include one or several actions, hence the estimated value can be close to the estimated output value</li> </ul>
Operation level	
Inputs from the beneficiary	number of actions
Inputs from other sources	n/a
Inputs from the MA Reference period for the single operation	<ul><li>n/a</li><li>duration of the operation</li></ul>
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	• number of actions <b>implemented at</b> the completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>marine litter</li> <li>restoring habitats in inland waters</li> <li>restoring ecological continuity of rivers</li> <li>restocking</li> </ul>

No	11. Actions addressing nature restoration, conservation, protection of ecosystems, biodiversity, health and welfare
	<ul> <li>environmental services</li> <li>specific investments for improving aquatic habitats and biodiversity</li> <li>productive investments</li> <li>gear modification to minimise habitat impacts</li> <li>pollution/contamination prevention</li> <li></li> </ul>

No	12. Entities improving resource efficiency in production and/or processing
Indicator name	Entities improving resource efficiency in production and/or processing
Measurement unit	Number
Definition	Number of sole operators or companies introducing resource-saving technologies and processes
Further clarification	Examples are:
	<ul> <li>reducing or avoiding discharges</li> <li>reduction of water use</li> <li>reducing water pollution</li> <li>increasing efficiency in water consumption through recirculation systems or multi-trophic aquaculture</li> <li>reduction of energy use and transfer to renewable energy sources</li> <li>reduction of food waste</li> <li>multi-use platforms</li> <li>Entities include businesses, FLAGs, NGOs and POs.</li> </ul>
OP level	Entitles include businesses, FLAGS, NGOS and FOS.
Clarification	• in the OP the indicator is the number of entities improving resource efficiency in production and/or processing following EMFF support
Baseline value	the baseline value in the OP should be zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on survey and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of entities improving resource efficiency in production and/or processing</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single	the baseline value is zero

No	12. Entities improving resource efficiency in production and/or processing
operation	
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>entities improving resource efficiency in production and/or processing at the time of completion of the operation</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>energy efficiency</li> <li>investment on board vessels</li> <li>diversification</li> <li>process innovation</li> <li>product innovation</li> <li>pollution/contamination prevention</li> <li>water usage and quality</li> <li></li> </ul>

No	13. Energy consumption (on board a vessel/in aquaculture/in processing) leading to CO2 emissions reduction
Indicator name	Energy consumption (on board a vessel/aquaculture/processing) leading to CO2 emissions reduction
Measurement unit	RI13.1 litres/h for the vessel engine RI13.2 kWh per tonne of fish
Definition	RI13.1 Energy consumption of new or modernised engines in fishing vessels (expressed in litres of fuel per hour of operation according to the specification of the manufacturer) RI13.2 Energy consumption of an aquaculture or processing enterprise, expressed in kWh per tonne of produce
Further clarification	RI13.1 The indicator measures only theoretical consumption RI13.2 the indicator is a combination of energy consumption and production Sector and type of investment are defined in Infosys The CO2 emissions reduction will be calculated by DG MARE
OP level	
Clarification	<ul> <li>RI13.1 in the OP the indicator should express the change in energy consumption in litres/h following EMFF support in average!</li> <li>RI13.2 in the OP the indicator should express the change in energy consumption in kWh per tonne following EMFF support on average! different from the indicator at the operational level</li> </ul>
Baseline value	• the baseline value in the OP is zero.
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on survey and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the average of the total achieved results at operational level minus the average baseline value at operational level</li> </ul>

No	13. Energy consumption (on board a vessel/in aquaculture/in processing) leading to CO2 emissions reduction
Operation level	
Inputs from the beneficiary	<ul> <li>RI13.1:</li> <li>RI13,2:</li> <li>calculation based on (a) energy consumption before and after the operation AND (b) volume of production before and after the operation (a/b)</li> <li>for cases where no exact number are available, estimates based on the energy specifications of the equipment can be used.</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	RI13.1 fuel consumption per hour on board of a vessel as per technical specifications of the engine manufacturer
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	<ul> <li>RI13.1 litres/h per engine before investment</li> <li>RI13.2 kWh per tonne energy consumption before the operation</li> </ul>
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>RI13.1 litres/h (new or modernised engine) at completion of the operation</li> <li>RI13.2 kWh per tonne energy consumption at or n years after the operation</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>energy efficiency</li> <li>investment on board vessels</li> <li>diversification</li> <li>process innovation</li> <li>product innovation</li> <li></li> </ul>

No	14. Entities increasing social sustainability
Indicator name	Entities increasing social sustainability
Measurement unit	Number
Definition	Number of entities that contribute to social sustainability (well-being
	and fair standard of living)
Further clarification	Indicator to address the social objectives of the EMFF. Examples are:
	<ul> <li>employment of people who are older than 54, disadvantaged, long-term unemployed, inactive, refugees, people with disabilities</li> <li>improved working conditions</li> <li>improved health and safety conditions</li> <li>better work-life balance</li> </ul>
	Entities include businesses, FLAGs, NGOs and POs.
OP level	
Clarification	• in the OP the indicator is the number of entities increasing social sustainability following EMFF support

No	14. Entities increasing social sustainability
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on a share of the average number of entities participating in EMFF compared to the share of total entities in the MS that address social sustainability</li> <li>indications include corporate social sustainability reports and EMAS certification</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	number of entities
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	Number of entities at completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>advisory services</li> <li>business development</li> <li>diversification</li> <li>training</li> <li>capacity building</li> <li>safety equipment/working conditions</li> <li>management (including technical assistance and fisheries management)</li> <li></li> </ul>

No	15. Cooperation activities between stakeholders
Indicator name	Cooperation activities between stakeholders
Measurement unit	Number
Definition	Number of new sustainable cooperation activities implemented that
	involve more than one partner/entity/institution (includes businesses,
	FLAGs, NGOs, POs, training and governmental organisations)
Further clarification	Cooperation is defined as any activity that includes two or more
	partner/entity/institution. The cooperation should involve a sustainable
	result such as an agreement, initiative, joint business, project, product,
	innovation, Memorandum of Understanding, consultation process, joint
	learning, etc.
	Cooperation includes for example:
	cooperation on fisheries control and coastguard operations (e.g.
	Frontex and EFCA)
	regional maritime cooperation in support of integrated governance and maritime policy management

No	15. Cooperation activities between stakeholders
	<ul> <li>cooperation among ministries, agencies or regions within a single MS</li> <li>cooperation with other MSs, EU agencies or initiatives</li> <li>cooperation with third countries</li> </ul>
	Cooperation of this kind is distinct from operation actions under direct management.  CLLD cooperation includes:
	all types of partners (fishers, researchers, local authorities, businesses, NGOs etc.)
OP level	
Clarification	in the OP the indicator is the number of newly created cooperation activities following EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on monitoring data, surveys and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>the target values may be close to estimated output values</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of cooperation activities</li> <li>the number should be calculated modestly to be on the safe side</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	<ul> <li>number of cooperation actions implemented involving more than one partner/entity/institution addressed at the completion of the operation</li> </ul>
Indicative list of related types of operations/intervention	<ul> <li>diversification</li> <li>knowledge sharing</li> <li>cooperation</li> <li>pilot projects</li> <li>socio-cultural development</li> <li></li> </ul>

No	16. Jobs created (FTE)
Indicator name	Jobs created (FTE)
Measurement unit	Number

No	16. Jobs created (FTE)
Definition	<ul> <li>number of full-time equivalents (FTE) in newly created employment (employed or self-employed for pay, profit or family gain)</li> </ul>
Further clarification	<ul> <li>Jobs should be created according to the legal provision of the MS.</li> <li>The value of the RI is based on the report by the beneficiary based on their employment record: <ul> <li>in the case of individual fishers, the value is based on their own assessment</li> <li>if no company records are available, fishers should estimate that the job created is either full- or half-time</li> <li>in the case of companies, the jobs created should be based on company records</li> <li>people employed temporarily to work on realisation of the operation (e.g. FLAG management, project coordination, researchers) should not be recorded here</li> <li>jobs are expected to be permanent or – in the case of seasonal jobs – recurring</li> <li>jobs are considered at the beneficiary level</li> <li>the indicator does not take account of qualitative factors such as educational level or salary</li> </ul> </li> </ul>
	The calculation of FTE should be based on the <b>national reference</b> number for full-time employment (e.g. 2000 hours/year).  In cases where the calculation of FTE is not possible, a simplified calculation can be used. The <b>simplified calculation</b> counts FTE as follows:  • full-time = 1 FTE  • part-time = 0.5 FTE  • seasonal = 0.3 FTE
	The justification for this is that very small enterprises, many sole operators and many employees work on a catch-share basis or are family members, in that case FTE calculations based on working hours are not suitable.
OP level	
Clarification	<ul> <li>in the OP the indicator should provide the number of jobs created with the support of EMFF</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>target values are expressed in FTE</li> <li>estimation of target values could be based on surveys among beneficiaries, studies, statistics or experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of newly created jobs (FTE)</li> <li>the result indicator value should be as close as possible to the unit</li> </ul>

No	16. Jobs created (FTE)
	or location implementing the operation  • if this is not possible, the number of jobs created during the operation should be linked to the whole company  • in the case of large companies, it should be linked to the relevant department involved in the operation
Inputs from other sources	n/a
Inputs from the MA	MA might assist beneficiaries by choosing the applicable FTE value
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	Number of newly created jobs (FTE) at or n years after completion of the operation.
Indicative list of related types of operations/intervention	<ul> <li>Investment on board vessels</li> <li>Marketing activities</li> <li>Diversification</li> <li>Training</li> <li>Capacity building</li> <li>Marketing innovation</li> <li>Process innovation</li> <li>Product innovation</li> <li>Use of unwanted catches</li> <li>Management (including technical assistance and fisheries management)</li> <li></li> </ul>

No	17. Jobs maintained (FTE)
Indicator name	Jobs maintained (FTE)
Measurement unit	Number
Definition	<ul> <li>number of jobs maintained (employed or self-employed for pay, profit or family gain) expressed in full-time equivalents (FTE)</li> </ul>
Further clarification	The indicator includes only jobs that would have been lost without the EMFF operation.
	<ul> <li>people employed temporarily to work on the realisation of the operation (e.g. FLAG management, project coordination, researchers) should not be recorded here</li> <li>the value of the RI is based on the report by the beneficiary based on</li> </ul>
	<ul> <li>his/her employment record</li> <li>in the case of fishing vessel owners, the value is based on their own assessment</li> <li>in the case of companies, the value is based on company records</li> <li>in the case of representative organisations such as POs the value is based on their own assessment</li> </ul>
	The calculation of FTE should be based on the <b>national reference</b>

No	17. Jobs maintained (FTE)
	number for full-time employment (e.g. 2000 hours/year).  In cases where the calculation of FTE is not possible, a simplified calculation can be used. The <b>simplified calculation</b> counts FTE as follows:  • full-time = 1 FTE  • part-time = 0.5 FTE  • seasonal = 0.3 FTE
	The justification for this is that very small enterprises, many sole operators and many employees work on a catch-share basis or are family members, in that case FTE calculations based on working hours are not suitable.
OP level	
Clarification	in the OP the indicator should provide the estimated number of jobs maintained following EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>target values are expressed in FTE</li> <li>estimation of target values could be based on surveys of beneficiaries, studies, statistics or experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of jobs maintained (FTE)</li> <li>the result indicator value should be as close as possible to the unit or location implementing the operation</li> <li>if this is not possible, the number of jobs maintained during the operation should be linked to the whole company</li> <li>in the case of large companies, it should be linked to the relevant department involved in the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	MA might assist beneficiaries by choosing the applicable FTE value
Reference period for the single operation  Baseline for the single	<ul> <li>duration of the operation</li> <li>the baseline value is zero</li> </ul>
operation	
Target value	ex-ante assumption of the target value
Achieved value	number of jobs maintained (FTE) at the completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>marketing activities</li> <li>training</li> <li>capacity building</li> <li>marketing innovation</li> <li>process innovation</li> <li>product innovation</li> <li>use of unwanted catches</li> </ul>

No	17. Jobs maintained (FTE)
	<ul> <li>control and enforcement – public authority</li> <li>control and enforcement – private business</li> <li>management (including technical assistance and fisheries management)</li> <li></li> </ul>

No	18. Persons benefitting
Indicator name	Persons benefitting
Measurement unit	Number
Definition	Number of persons benefitting
Further clarification	Examples include:
	<ul> <li>participants in a training session or meeting to exchange knowledge or good practices</li> <li>persons acquiring new skills or knowledge</li> <li>crew benefitting from new safety equipment or working conditions on board</li> <li>number of fisher benefitting from extraordinary cessation when dictated by reasons other than conservation</li> <li>in the case of large companies, the number of persons benefitting should be calculated at the level of departments</li> </ul>
	<ul> <li>CLLD also includes:</li> <li>number of people benefitting from acquisition of safety equipment or improved working conditions on board and on land in the fisheries sector (fishing, aquaculture, processing)</li> <li>number of people benefiting from new or improved local services, e.g. a tailored health service for fishers or a crèche in a fishing community</li> </ul>
OP level	
Clarification	• in the OP the indicator is the number of persons benefitting with the support of EMFF
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on monitoring data and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of persons directly benefitting from the actions, e.g. receiving training, using safety equipment, participating in a knowledge exchange, benefitting from extraordinary cessation</li> <li>if it is not possible to estimate the number of persons benefitting directly from the operation it is also possible to calculate the number of employees of the companies addressed by the beneficiary</li> <li>double counting can occur easily and should be avoided where possible</li> </ul>

No	18. Persons benefitting
	the number should be calculated modestly to be on the safe side
Inputs from other sources Inputs from the MA	n/a n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	number of persons benefitting at the completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>marketing activities</li> <li>traceability</li> <li>production and marketing plan</li> <li>advisory services</li> <li>compensation for additional costs in the outermost regions for fishery and aquaculture products</li> <li>extraordinary cessation</li> <li>insurance schemes</li> <li>training</li> <li>capacity building</li> <li>marketing innovation</li> <li>process innovation</li> <li>Product innovation</li> <li>studies and research</li> <li>IT-software</li> <li>IT-hardware</li> <li>new system installed</li> <li>knowledge sharing</li> <li>cooperation</li> <li>awareness raising, communication to the wider public</li> <li>control and enforcement – public authority</li> <li>control and enforcement – private business</li> <li>food safety</li> <li>safety equipment/working conditions</li> <li>socio-cultural development</li> <li>local governance</li> <li>animation and capacity building for CLLD</li> <li>management (including technical assistance and fisheries management)</li> <li>CLLD preparatory actions</li> <li></li> </ul>

No	19. Effectiveness of the system for "collection, management and use of data" in the required quality
Indicator name	Effectiveness of the system for "collection, management and use of data" in the required quality
Measurement unit	Ordinal scale: $3 = \text{high}$ , $2 = \text{medium}$ , $1 = \text{low}$
Definition	Ability of state authorities, agencies and related bodies to meet the requirements of the regulations relating to data collection (Regulation (EU) 2017/1004 and related legislation)
Further clarification	<ul> <li>this RI relates to the whole national data collection program as outlined in the corresponding National Work Plan (Article 6 of EU 2017/1004)</li> <li>the data collection programme is composed of several parts, which may be funded together or separately in different MSs; however, the RI is not related to separate individual operations which may be funded by EMFF for this purpose</li> <li>the judgement of effectiveness is provided by the National Correspondent, who is responsible for the implementation of the whole data collection programme</li> <li>for the land-locked countries the RI also relates to their implementation of the programme, which may be composed of execution of pilot studies</li> </ul>
OP level	
Clarification	in the OP the indicator is the change in the effectiveness of the system for "collection, management and use of data" of the required quality following EMFF support
Baseline value	the baseline value of this indicator cannot be lower than 1
Target values	<ul> <li>the target value should always be greater than or equal to the baseline value</li> <li>estimation of target values could be based on monitoring data and experience from the programming period 2014-2020</li> <li>it is assumed that there is only a limited number of operations, e.g. two per programming period corresponding to the DCF work programmes</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>judgement by the National Correspondent, supported by a brief justification for the MA's records</li> </ul>
Inputs from other sources	• judgement of the National Correspondent can be based on the annual STECF report "Evaluation of DCF AR and transmission issues, Annex 2 – Data Transmission Results" or other suitable official documentation
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value of this indicator cannot be lower than 1

No	19. Effectiveness of the system for "collection, management and use of data" in the required quality
Target value	ex-ante assumption of the target value
Achieved value	effectiveness of the system for "collection, management and use of data" of the required quality at completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>traceability</li> <li>data collection</li> <li>investment in IT – hardware</li> <li>investment in IT – software</li> <li></li> </ul>

No	20. Fishing vessels where control means are installed
Indicator name	Fishing vessels where control means are installed
Measurement unit	Number
Definition	Number of fishing vessels that have installed new means of control, as specified in Article 19.2 of proposal COM(2018)390
Further clarification	<ul> <li>This RI aims specifically at the results of Article 19.2 equipment installed to meet the minimum legal requirements, though equipment providing more than the legal requirement is also eligible.</li> <li>The RI counts the number of supported vessels, not the type of support. This means that a vessel is counted only once, independently of the number of improvements it has installed.</li> </ul>
OP level	
Clarification	in the OP the indicator is the number of vessels where control means are installed following EMFF support
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>estimation of target values could be based on expert knowledge, statistics, monitoring data, surveys and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>the target values may be close to estimated output values</li> </ul>
Operation level	
Inputs from the beneficiary	<ul> <li>number of vessels where control means have been installed</li> <li>if possible, the result indicator value should be linked to the operation</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	number of vessels supported under Article 19.2
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value

No	20. Fishing vessels where control means are installed
Achieved value	• number of vessels with new control means <b>at completion of</b> the operation
Indicative list of related types of operations/intervention	<ul> <li>investment on board vessels</li> <li>control and enforcement – private business</li> <li></li> </ul>

No	21. Actions to improve governance capacity
Indicator name	Actions to improve governance capacity
Measurement unit	Number
Definition	Indicator applies to both shared and direct management.
	Actions can be any planned and systematic activities increasing institutional capacity and governance for example related to training, joint exercises, operational support, IT systems, investment in other equipment and hardware etc.
Further clarification	<ul> <li>For shared management it applies to actions related to the support of control agencies such as hardware investments (installation of IT infrastructure; helicopters, patrol vessels etc.), software investments (IT programmes, communication and information protocols etc.) and human resources capacity building. The specific purpose should be indicated in the project description in Infosys.</li> <li>For shared management it also applies to actions related to the FLAG operation that aim at increasing institutional capacity and governance (for example animation, participation, local strategy development actions etc.) at the local level going beyond the mere FLAG operation</li> <li>For direct management it applies to actions related to the support of institutions such advisory councils, RFMOs and the Commission and the MS (FARNET, FAME)</li> </ul>
OP level	
Clarification	<ul> <li>Applies to shared management only</li> <li>in the in the OP for control and enforcement the indicator is the number of actions addressing control agency institutional capacity and governance with the support of EMFF</li> <li>in the OP for FLAGs the indicator is the number of outreach actions of the FLAG</li> </ul>
Baseline value	the baseline value in the OP is zero
Target values	<ul> <li>target values should be defined separately for each specific objective</li> <li>estimation of target values could be based on monitoring data, surveys and experience from the programming period 2014-2020</li> <li>the target value achievements will be calculated based on the sum of achieved results at operational level</li> <li>the target values may be close to estimated output values</li> </ul>
Operation level	
Inputs from the beneficiary	number of actions (description needed in Infosys)

No	21. Actions to improve governance capacity
	<ul> <li>if possible, the result indicator value should be linked to the operation</li> <li>the number should be calculated modestly to be on the safe side</li> </ul>
Inputs from other sources	n/a
Inputs from the MA	n/a
Reference period for the single operation	duration of the operation
Baseline for the single operation	the baseline value is zero
Target value	ex-ante assumption of the target value
Achieved value	number of actions implemented at the completion of the operation
Indicative list of related types of operations/intervention	<ul> <li>Control and enforcement – public authorities</li> <li>Direct management actions</li> </ul>

No	22. Investment induced
Indicator name	Investment induced
Measurement unit	EUR
Definition	Investment induced as a direct consequence of an operations enabling
	actions, for example when an operation provides potential investors with
	feasibility studies, cost benefit analyses etc.
	Investment can be financed thought private or public funds.
Further clarification (e.g.	The indicator addresses follow-up investments. Private investments for
possible exceptions)	the implementation of the operation is not included.
OP level	
Clarification	• N.a (for direct management)
Baseline value	• N.a (for direct management)
Target values	N.a (for direct management)
Operation level	
Inputs from the beneficiary	Total amount for concrete investment plans either started or defined
	in a binding agreement after the operation
	• the result indicator value should be as close as possible to the unit or location implementing the operation
Inputs from other sources	-
Inputs from the MA	-
Reference period for the	• duration of the operation and up to 2 years after completion of the
single operation	operation
Baseline for the single	• Zero
operation	
Target value	• ex-ante assumption of the target value
Achieved value	Investment induced up to 2 years after completion of the operation

No	22. Investment induced
Indicative list of related types of	• tbd
operations/intervention	

No	23. Datasets and advice made available
Indicator name	Datasets and advice made available
Measurement unit	Number
Definition	Datasets made available in a "ready to use" modus over a website. Such datasets should comply with state of the art quality criteria, include metadata and be in a non-proprietary format.  Advice made available in a coherent, final and "stand-alone" form responding to a request to an institution covered by direct management (RFMO, advisory councils).
Further clarification (e.g.	The indicator excludes ad-hoc responses and incremental
possible exceptions)	improvements/modifications of existing elements.
OP level	
Clarification	N.a (for direct management)
Baseline value	N.a (for direct management)
Target values	N.a (for direct management)
Operation level	
Inputs from the beneficiary	Total number of datasets and advice made available based on internal reporting and recording systems
Inputs from other sources	-
Inputs from the MA	-
Reference period for the single operation	duration of the operation
Baseline for the single operation	• Zero
Target value	ex-ante assumption of the target value
Achieved value	Total number of datasets and advice made available upon completion of the operation
Indicative list of related types of operations/intervention	• tbd