

## Methodology for collecting economic and social indicators of the fishing fleet

**Observation period** is one year.

### Sample

The frame population consists of fishing vessels entered in the register of fishing vessels and access to the data is gained through vessel owners (economic entities). Economic entities that own long-distance vessels and trawlers are questioned by census. Coastal fishing entities are interviewed selectively – the samples are taken as a layer by the previous year's catches (January to November). Entities that declared less than 50 kg of catch in the reference year will be excluded from the selection of the coastal fishing vessels segment. For each entity a weight or extension factor is calculated, which is used to expand the original data collected from the sample. The initial weight is later adjusted to reduce the effect of non-compliance.

Example 2021 sample based on 2020 data:

	Total	Coastal fishing			Trawl fishing	Long-distance fleet
		2020 catches <10 tons	2020 catches 10-100 tons	2020 catches ≥100 tons		
The size of the frame population (number of enterprises) at the moment of sampling selection	988	854	86	28	17	3
Sample size	193	100	45	28	17	3
Sample share of the frame population		12%	52%	100%	100%	100%

The obligation to transmit data will be notified to the owners of fishing vessels by 15 December. The sample will be specified in the first quarter of next year on the basis of the data of the respective study year received from the Agricultural and Food Board. If necessary, the obligation of the entities already sampled is adjusted or new entities are added to the sample.

### Data collected

Economic data is collected annually:

Variable group	Variable	Unit
Income	Gross value of landings	Euro
	Income from leasing out quota or other fishing rights	Euro
	Other income	Euro
Labor costs	Personnel costs	Euro
	Value of unpaid labour	Euro
Energy consumption	Energy costs	Euro
Repair and maintenance costs	Repair and maintenance costs	Euro
Other operating costs	Other variable costs associated with fishing	Euro

Variable group	Variable	Unit
	Other non-variable costs related to fishing	Euro
	Lease/rental payments for quotas or other fishing rights	Euro
Subsidies	Operating subsidies	Euro
	Subsidies on investments	Euro
Capital costs	Consumption of fixed capital (vessels <b>involved</b> in fishing)	Euro
	Consumption of fixed capital (vessels <b>not involved</b> in fishing)	Euro
Capital value	Value of physical capital (vessels <b>involved</b> in fishing)	Euro
	Value of physical capital ( <b>non-fishing</b> vessels)	Euro
	Value of quota or other fishing rights	Euro
Investments	Investments in tangible assets	Euro
Financial position	Long-/short-term debt	Euro
	Total assets	Euro
Fishing effort	Energy consumption (fuel)	Liters
Employment	Engaged crew	Number
	Paid labor hours	Hours
	Number of unpaid labour force	Number
	Unpaid labor hours	Hours
Fleet	Fishing vessels (active)	Number
	Non-active fishing vessels (passive)	Number

Social data collected every third year (from 2021):

Indicator	Unit
Employment by gender	Number
FTE by gender	Number
Unpaid labour by gender	Number
Employment by age	Number
Employment by education level	Number by education levels
Employment by nationality	Number of workers from the EU, EEA countries and non-EU and non-EEA countries
Employment by employment status	Number
Full-time equivalent - national equivalent	Number

### Collecting data

The data is collected and answering of questionnaires is monitored via the online electronic data submission channel eSTAT (data submission deadline in 1<sup>st</sup> of August). The questionnaires are designed for the respondent to be filled independently in the online environment and include instructions and checks. Questionnaires and information related to the submission of data can be found on the website of Statistics Estonia at <https://www.stat.ee/andmete-esitamine>.

The data are collected with the annual questionnaire of official statistics K1476 Ship-based economic and social indicators.

### Data validation

Validation includes arithmetic and qualitative controls, including comparison with other data.