

Sampling scheme identifier: **PT-ELE-fishery-dependent-fyke nets**

MS: PRT
Region: North-East Atlantic
Sampling scheme identifier: PT-ELE-fishery-dependent-fyke nets
Sampling scheme type: Diadromous (commercial)
Observation type: Scientific observer on rivers, lagoons, etc. (SciObs water body)
Time period of validity: 2025-2027
Short description (max 100 words): Sampling scheme (Work Plan - Table 2.3) aiming at sampling length and biological variables (age, weight and sex) of yellow and silver eel in one “Management Unit / River” (PT_Port in which the sampled Body of water is Santo André lagoon).
Description of the population Population: Length and biological variables (age, weight and sex) of yellow and silver eel in one “Eel Management Unit / River” PT_Port. Population targeted: Length and other biological variables (age, weight, sex) of yellow and silver eel in lower estuary of one “Management Unit / River” PT_Port. Population sampled: Length and biological variables (age, weight, sex) of yellow and silver eel in lower estuary of one “Body of water” (Santo André lagoon) of “Management Unit / River” PT_Port. Population not sampled: Remaining bodies of water of the two “Management Unit / River” Es_Min and PT_Port, and remaining reaches of the “Body of water” (Santo André lagoon) of the “Management Unit / River” PT_Port. Stratification: N.
Sampling design and protocols
Sampling design description: Method – fyke nets: In the “Body of water” sampled with this method, sampling of commercial catches of one fisher is implemented in one day per year. All individuals of eel are sampled for length, weight and silvering index and returned alive to the water, except for a subsample that is sampled in the laboratory for further biological variables. Is the sampling design compliant with the 4S principle?: NA – Diadromous sampling scheme. Regional coordination: N.

Link to sampling design documentation: Documentation will be developed in 2025-2027. Design follows international recommendations: Y. Sampling design in line with international recommendations, e.g. from ICES WGEEL (Working Group on Eels). Link to sampling protocol documentation: Documentation will be developed in 2025-2027. Protocol follows international recommendations: Y. Sampling protocol in line with international recommendations, e.g. from ICES WGEEL (Working Group on Eels).
Sampling implementation
Recording of refusal rate: N. Recording of refusal rate will be developed in 2025-2027. Monitoring of sampling progress within the sampling year: N.
Data capture
Means of data capture: Biological data is collected with a measuring board/tape (variable length) and scale (variable weight), and caliper (variable ocular diameter, pectoral fin length). Data capture documentation: Documentation will be developed in 2025-2027. Quality checks documentation: Documentation will be developed in 2025-2027.
Data storage
National database: Local database. International database: NA. Quality checks and data validation documentation: N. Documentation will be developed in 2025- 2027.
Sample storage
Storage description: Biological samples are stored at FCUL/CIIMAR. Hard tissues (otoliths for age reading) are stored until and after processing/analysis. Soft tissues (swimbladders, gonads) are stored until processing/analysis. Information on hard tissues (otoliths for age reading) stored by species/stock, geographic sub-area and by year will be developed in 2025-2027. Sample analysis: N. Documentation will be developed in 2025-2027.

Data processing
Evaluation of data accuracy (bias and precision): Documentation will be developed in 2025-2027.
Editing and imputation methods: Documentation will be developed in 2025-2027.
Quality document associated to a dataset: Documentation will be developed in 2025-2027.
Validation of the final dataset: Data quality checks are carried out yearly to detect before response to data calls.