



NATIONAL SAMPLING DESIGN

The ideal sampling design (all vessels registered, all trips counted and catch and effort logsheets for every trips, with a good coverage of sampling) may not be possible.

Theoretical statistics can give us some guidance on what to aim for when we set up our sampling design.

However, local conditions will be the main influence on your sampling design.

Most national sampling designs will be different.

You will need to consider; local topography, access to landing sites, the questions your programme will answer, the availability of funding and capacity as you set up your national sampling design.





NATIONAL SAMPLING DESIGN DOCUMENT

The national sampling design document is a way of compiling information about your fishing variable (the sampling frame), so you can make informed choices when setting up your sampling programme.

Once the sampling frame is documented / mapped the sampling design can be decided. Documenting the design will help to share the approach and ensure that sampling design is carried out consistently and in accordance with the design. Acts as a reference document for analysis.

You may need to do some extra work at the start to pull this document together. For instance you may need time to collect information on how many vessels are involved in your fishery.

The sampling design can be revised later on if necessary.





NATIONAL SAMPLING DESIGN DOCUMENT

The sections of the document are:

PURPOSE OF THE SAMPLING PROGRAMME

Document the purpose of the national sampling programme, or the questions you want to answer.

MAP OF THE ENTIRE COUNTRY

Insert a map of the country

VESSEL COUNT BY VESSEL TYPE BY ISLAND / REGION

*Show a table for each island including the number of vessels by type (motor..)
Show the source of this data*

FISHING METHODS BY ISLAND / REGION

*Show a table by each island
Show the source of this data*





NATIONAL SAMPLING DESIGN DOCUMENT

SELECTION OF SAMPLING AREAS

Shows which islands/ regions/ landing sites have been selected for sampling. Explain why these sites have been chosen (randomly selected, due to site restrictions).

Describes if the selected sites represent the entire fishing population (i.e. boats with sails, all gears types).

Random and Representative

LISTS THE REFERENCE TABLES *and explains where necessary how this information was got*

- Full name of Island Data Collector
- Staff Field Code for any Island Data Collector
- Island Vessel Registration Codes
- List of standardised vessel names.
- Fishing Areas (mapped and named, including any FAD names and deployment location)
- Species List (pre-defined through TUF-ART)
- Fishing Methods (pre-defined through TUF-ART)





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THE SAMPLING PROTOCOL

Shows the coverage level for each form type.

By Island, Region or Landing site if necessary.

Describes the sampling temporal strata – days of weeks, months, length of programme etc.

Will there be any intensive survey periods?

THE DATA MANAGEMENT PROTOCOLS

Shows the procedures for managing the data

Can be done in another document.

COMPLIMENTARY DATA COLLECTION PROGRAMMES

Notes any other data collection programmes and databases that might provide similar or complementary data.

HISTORICAL DATA COLLECTION PROGRAMMES

List any previous data collection programmes, the location of the data / database or reports.





NATIONAL SAMPLING DESIGN DOCUMENT

Please work with us in 2014 to produce a national sampling design document.

Even if you don't intend to implement sampling just yet.

Documenting and mapping your fishery is a good start.

You may need to implement a vessel registration scheme to get this information, but other data sources are possible.

