Efficiency improvement options for current surveys.

Over	Fishery surveys need to deliver data of a statistical precision that
Precision	is fit for purpose for the assessment they are supplying. In some
	cases assessments are overly precise for the advice they support
	(i.e. the data is overly precise), hence time can be saved by doing
	fewer trawls.
Duplication	Fishery surveys and environmental surveys of neighbouring
	Member States can overlap in space and time, or in parameters
	measured, leading to unnecessary duplication and wasted
	resources.
Redundancy	On some surveys individual types of data and station positions
	are no longer used in assessments and could be eliminated in
	order to gain survey time. Redundant monitoring can be relicts
	from studies that have terminated. Data from some trawl
	locations, and in some cases from whole surveys, do not get used
	in the eventual stock assessments and are hence redundant.

Efficiency improvement options for current surveys.

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Down Time	Fishery surveys are often carried out in daylight
	hours only in order to standardise the
	catchability of species, especially on the
	continental shelf. Hence there may be unused
	vessel time at night.
Multi	Some fishery surveys, and environmental
Annual	surveys, may be able to move to multi-annual
	assessment frequencies rather than annual. This
	would release significant vessel time.
Automation	Resources to process data are generally limited
of data	compared to resources for data collection.
processing	Standardizing and automation of procedures to
1.	analyse data e.g. acoustic analyses, flow-cam
and analysis	automated image recognition procedures,
	software for producing indicators etc. may save
	resources.