



Glossary

 ICES Glossary [All Items](#)

✓ Acronyms	Title	Additional Info	Glossary Links
ADGWIDE	Advice Drafting Group for Widely Distributed Stocks		
Blim	Limit reference point for spawning stock biomass (SSB)		
Bpa	Precautionary reference point for spawning stock biomass (SSB)		
Btrigger	Value of spawning stock biomass (SSB) which triggers a specific management action		
Catchability	The fraction of a fish stock which is caught by a defined unit of the fishing effort		
Discards	Components of a fish stock thrown back after capture, e.g. because they are below the minimum landing size, or because quota have been exhausted for that species (most of the discarded fish will not survive)		
Ecosystem approach	Ecosystem approach to fishery management; management that takes into account the effects of fisheries on the ecosystem and the effects of the ecosystem on the fish stocks		
F0.1	The fishing mortality rate at which the marginal yield-per-recruit (i.e. the increase in yield-per-recruit in weight for an increase in one unit of fishing mortality) is only ten percent of the marginal yield-per-recruit on the unexploited stock; fishing		
Fishery	Group of vessel voyages targeting the same (assemblage of) species and/or stocks, using similar gear, during the same period of the year and within the same area (e.g. the Dutch flatfish-directed beam trawl fishery in the North Sea); see also: fleet, meti		
Harvest rate	(= harvest ratio) Ratio between landings and total stock abundance (e.g. as estimated from TV surveys for Nephrops)		
HCR	An algorithm for pre-agreed management actions as a function of variables related to the status of the stock, e.g. a control rule can specify how F or yield should vary as a function of spawning biomass; also known as 'decision rules' or 'harvest control'		
ICA	Integrated Catch Analysis; stock assessment method		
MSY	Maximum Sustainable Yield; the largest average catch or yield that can continuously be taken from a stock under existing environmental conditions		
MSY Bescapement	A biomass reference point for short-lived species within the ICES MSY framework (see ICES Advice, Section 1.2) where the target is to leave the reference spawning stock biomass to spawn the next year.		Acronyms and terminology used in the ICES advice
Population	Group of fish of one species which shares common ecological and genetic features; the stocks defined for the purposes of stock assessment and management do not necessarily coincide with self-contained populations		
<u>R</u>	Amount of fish added to the exploitable stock each year due to growth and/or migration into the fishing area, e.g. the number of fish that grow to become vulnerable to the fishing gear in one year would be the recruitment to the fishable stock that year;		
Reduced reproductive	When SSB is at a level where the stock reproduction is impaired as evident from historical observations		

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capacity			
SGIMM	Study Group on Integration of Economics, Stock Assessment and Fisheries Management		
SIMWG	Stock Identification Methods Working Group		SIMWG webpage
SISAM	Strategic Initiative on Stock Assessment Methods		SISAM webpage
SMS	Stochastic Multispecies Model; stock assessment method		
✓ SSB	Spawning stock biomass; total weight of all sexually mature fish in the stock		
<u>SSB/R</u>	Spawning Stock Biomass per Recruit: expected lifetime contribution to the spawning stock biomass for a recruit of a specific age (e.g. per age 2 individual); for a given exploitation pattern, rate of growth, and natural mortality, an expected equilibrium		
SSBmp	Spawning stock biomass reference point as defined in management plans.		Acronyms and terminology used in the ICES advice
<u>Stock</u>	A part of a fish population usually with a particular migration pattern, specific spawning grounds, and subject to a distinct fishery; in theory, a Unit Stock comprises all the individuals of fish in an area, which are part of the same reproductive process		
Surplus production model	Mathematical representation of the way a stock of fish responds to the removal of its individuals; usually a relationship between yield and/or cpue, and fishing effort or mortality; expressed in biomass		
Sustainable	Can be sustained; in the light of the ICES interpretation of precautionary approach: fisheries management that keeps stock(s) above Bpa and fishing mortality below Fpa		
TCA1	Stock assessment (introduction)		
TCADSA13	AD Model Builder and Stock Assessment		
TCSAA	Stock assessment (advanced)		

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F



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	<u>F</u>	Instantaneous Rate of Fishing Mortality; when fishing and natural mortality act concurrently, F is equal to the instantaneous total mortality rate (Z), multiplied by the ratio of fishing deaths to all deaths; expressed on an exponential scale: F=0.5 means		
✓	Fmax	Fishing mortality rate that maximizes equilibrium yield per recruit; Fmax is the F level often used to define growth overfishing		
	Fmed	Fishing mortality rate F corresponding to a SSB/R equal to the inverse of the 50th percentile of the observed R/SSB		
	HCR	An algorithm for pre-agreed management actions as a function of variables related to the status of the stock, e.g. a control rule can specify how F or yield should vary as a function of spawning biomass; also known as 'decision rules' or 'harvest control		
	Fsq	F status quo		

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