Science Abbreviations and Acronyms

CPUE	**Catch Per Unit Effort**
EAF	**Ecosystem Approach to Fisheries** Management that takes into account the effects of fisheries on the ecosystem and the effects of the ecosystem on the fish stocks (ICES)
EMB	**Ecosystem Based Management**
FIRMS	**Fisheries Resources Monitoring System**
IEAs	**Integrated Ecosystem Assessments**
LRP	**Precautionary Approach Limit Reference Point**
MCS	**Monitoring, Control and Surveillance**
MSE	**Management Strategy Evaluation**
MSY	**Maximum Sustainable Yield** The largest average catch or yield that can continuously be taken from a stock under existing environmental conditions (ICES)
NDF	**No Directed Fishery**
PA	**Precautionary Approach**
PAF	**Precautionary Approach Framework**
RBMS	**Risk Based Management Strategies**
SC	**Scientific Council**
SCR Doc	**Scientific Council Research Document**
SCS Doc	**Scientific Council Summary Document**
SPR	**Spawner Per Recruit**
SSB	**Spawning Stock Biomass** Total weight of all sexually mature fish in the stock
TAC	**Total Allowable Catch**
VME	**Vulnerable Marine Ecosystem** An area subject to significant adverse impacts from bottom fishing activity, identified by a threshold presence of indicator species
VMS	**Vessel Monitoring System**
YPR	**Yield Per Recruit**
Stock Biomass Reference Points	
B_{lim}	**Limit reference point for spawning stock biomass (ICES def.)**
B_{lim}	**A biomass level, below which stock productivity is likely to be seriously impaired, that should have a very low probability of being violated**
B_{buf}	**B_{buf} is a stock biomass set by managers above B_{lim} when biomass data is not available. There should be a very low probability that the estimated biomass above B_{buf} would actually be below B_{lim}. The more uncertain the stock assessment, the greater the buffer zone should be, signifying the need for more restrictive measures.**
B_{msy}	**Spawning stock biomass that results from fishing at F_{msy} for a long time (ICES def.)**
Fishing Mortality Reference Points	

F_{lim}	**A fishing mortality rate that should only have a low probability of being exceeded. F_{lim} cannot be greater than F_{msy}. If F_{msy} cannot be estimated, then an appropriate surrogate may be used instead.**
F_{buf}	**A fishing mortality rate below F_{lim} that is required in the absence of analyses of the probability that current or projected fishing mortality exceeds F_{lim}. In the absence of such analyses, F_{buf} should be specified by managers and should satisfy the requirement that there is a low probability1 that any fishing mortality rate estimated to be below F_{buf} will actually be above F_{lim}. The more uncertain the stock assessment, the greater the buffer zone should be. In all cases, a buffer is required to signify the need for more restrictive measures.**
F_{msy}	**Fishing mortality consistent with achieving Maximum Sustainable Yield (ICES)**