The implementation of the 2009 revision of the DCF generated the obligation to collect a large amount of information for all stock being subject to fisheries exploitation. Most of these stocks will have in the future, ~2020, time series of exploitation data more then 10 years long, although the information about the biology will most likely be limited, due to the high Background requirements of man power and logistics to process all the samples collected. These stocks may not fit directly into the "data poor" stock definition, neither will they have enought information to run sophisticated modelling methodologies. As scientists it is important think ahead and start developing methods to deal with such a large number of stocks. world wide needs of fisheries advice available stock assessment methods ways to make stock assessment in the context of management advise more robust identify modules to build a MSE discuss progress of the initiative Agenda MSE as a mean to id the value of the information MSE and a4a are on opposite sides 🔥 MSE to test the limits of the methods Very qualitative not suitable (easily) to quantitative frameworks PSA GFCM elasmobranchs Look at and discuss approaches that could come up with Frefpnts that could be used as Fmsy proxies Yes, YPR or %SPR Proxies for MSY based on LH WKLIFE No major progress. Where are we ? How to get to the reference? Compile LH data into categories of the information available Information poor VS data poor Science sets the thresholds MS act Managers can't go above it Hard environment due to lawsuits US management Managers set the risk level of overfishing Methodologies to set the reference points and uncertainty has to be consistent across stocks If mixed fisheries protect the most vulnerable of the complex Depending on the outcome there must be a different HCR, or a generic HCR Management based on stock assessment model Model VS management stock assessment model depends on management needs Method to id which models require attention (more assessment) Method to apply over a large range of stocks/situations At the scale of the fishing operation NOT at the scale of the population dynamics inserted manually or is there a statistical process ? Derturbations showing new input of fish to the fishery use biomass estimates to adjust a BioDyn replacing the CPUE index Catch dynamics model High frequency data of catch and effort Link with FLR 🗑 if a reference fleet is used the annual estimates can be compared because the area and Works like a survey executed by the fleet / selectivity will be constant

Notes

