Annex 5: WGWIDE 2021 productivity changes survey

Expert group	Stock code	Biomass/stock trend/assessment; catch/bycatch status/trend				
		Variability/ change in length distribution	Variability/ change in weight-at-age	Variability/ change in maturity-at-age	Variability/ change in natural mortality	Variability/ change in sex ratio
WGWIDE	boc.27.6-8	2	2	2	1	0
WGWIDE	gur.27.3-8	1	0	0	0	0
WGWIDE	her.27.1-24a514a	3	3	3	0	0
WGWIDE	hom.27.2a4a5b6a7a-ce-k8	3	1	0	0	0
WGWIDE	hom.27.3a4bc7d	3	1	0	0	0
WGWIDE	mac.27.nea	3	3	3	0	0
WGWIDE	mur.27.67a-ce-k89a	0	0	0	0	0
WGWIDE	whb.27.1-91214	3	3	1	1	1

Expert group	Stock code	Short term forecast				
		Environmentally driven recruitment	Truncating recruitment time-series	Recent or trend in weight-at-age	Recent or trend in maturity-at-age	Recent or trend in natural mortality
WGWIDE	boc.27.6-8	0	0	0	0	0
WGWIDE	gur.27.3-8	0	0	0	0	0
WGWIDE	her.27.1-24a514a	0	0	3	3	0
WGWIDE	hom.27.2a4a5b6a7a-ce-k8	0	0	0	0	0
WGWIDE	hom.27.3a4bc7d	0	0	0	0	0
WGWIDE	mac.27.nea	0	0	3	3	0
WGWIDE	mur.27.67a-ce-k89a	0	0	0	0	0
WGWIDE	whb.27.1-91214	1	1	1	0	0

Expert group	Stock code	MSE (management/rebuilding plans). Uncertainty or differing operating models				
		Environmentally driven recruitment	Truncating recruitment time series	Variable weight-at-age (environment or density driven)	Recent or trend in maturity-at-age (environment or density driven)	Dynamics in natural mortality
WGWIDE	boc.27.6-8	0	0	0	0	0
WGWIDE	gur.27.3-8	0	0	0	0	0
WGWIDE	her.27.1-24a514a	0	3	1	1	0
WGWIDE	hom.27.2a4a5b6a7a-ce-k8	0	0	0	0	0
WGWIDE	hom.27.3a4bc7d	0	0	0	0	0
WGWIDE	mac.27.nea	0	3	3	3	0
WGWIDE	mur.27.67a-ce-k89a	0	0	0	0	0
WGWIDE	whb.27.1-91214	3	3	1	0	0

Expert group	Stock code	Advice	Distribution and habitats		
		Specific productivity information used (e.g. escapement rule)	Influence of population state	Habitat suitability/quality	Within-species stock mixing
WGWIDE	boc.27.6-8	0	1	1	1
WGWIDE	gur.27.3-8	0	0	1	1
WGWIDE	her.27.1-24a514a	0	1	1	1
WGWIDE	hom.27.2a4a5b6a7a-ce-k8	0	0	0	1
WGWIDE	hom.27.3a4bc7d	0	0	1	1
WGWIDE	mac.27.nea	0	1	1	0
WGWIDE	mur.27.67a-ce-k89a	0	0	0	0
WGWIDE	whb.27.1-91214	0	3	3	0

Expert group	Stock code	Mixed fisheries			Climate
		Catch and bycatch of target species	Bycatch of non-target species	Consideration of mixed fisheries advice	Consideration of changes due to climate variability/change
WGWIDE	boc.27.6-8	1	1	0	0
WGWIDE	gur.27.3-8	0	0	0	0
WGWIDE	her.27.1-24a514a	1	0	0	1
WGWIDE	hom.27.2a4a5b6a7a-ce-k8	0	0	0	1
WGWIDE	hom.27.3a4bc7d	1	0	0	1
WGWIDE	mac.27.nea	2	2	2	1
WGWIDE	mur.27.67a-ce-k89a	0	0	0	0
WGWIDE	whb.27.1-91214	1	1	0	1