

Table S1. Status of Elasmobranchii in the Mediterranean according to classification of Dulvy et al. [17] and percentage of positive hauls of each species caught in each stratum (shelf, 10–200 m; slope, 200–800 m; overall, 10–800 m) during MEDITS survey in Strait of Sicily.

TAXA	MRRL	% Positive Hauls		
		Shelf	Slope	Overall
BATOIDS				
<i>Aetomylaeus bovinus</i>	//	0.5	0.0	0.2
<i>Dasyatis pastynaca</i>	VU	3.1	0.1	1.4
<i>Dipturus batis</i>	//	0.1	0.0	0.0
<i>Dipturus oxyrinchus</i>	NT	0.1	20.2	11.1
<i>Leucoraja circularis</i>	CR	0.1	1.3	0.7
<i>Leucoraja fullonica</i>	CR	0.0	0.1	0.0
<i>Leucoraja melitensis</i>	CR	4.1	9.9	7.3
<i>Leucoraja naevus</i>	NT	0.0	0.2	0.1
<i>Myliobatis aquila</i>	VU	2.5	0.0	1.1
<i>Raja asterias</i>	NT	8.8	0.5	4.2
<i>Raja brachyura</i>	NT	1.2	0.0	0.5
<i>Raja clavata</i>	NT	26.2	19.8	22.7
<i>Raja miraletus</i>	LC	29.1	13.3	19.5
<i>Raja montagui</i>	LC	10.2	1.9	5.7
<i>Raja polystigma</i>	LC	1.0	0.3	0.6
<i>Raja radula</i>	EN	1.0	0.3	0.6
<i>Rostroraja alba</i>	EN	0.4	0.1	0.2
<i>Tetronarce nobiliana</i>	//	0.6	2.6	1.7
<i>Torpedo marmorata</i>	LC	11.6	5.9	8.5
<i>Torpedo torpedo</i>	LC	1.5	0.2	0.8
SHARKS				
<i>Centrophorus uyato</i>	//	0.0	0.6	0.3
<i>Dalatias licha</i>	VU	0.0	11.4	6.2
<i>Etmopterus spinax</i>	LC	0.0	52.7	28.9
<i>Galeorhinus galeus</i>	VU	0.0	0.2	0.1
<i>Galeus melastomus</i>	LC	0.2	78.8	43.2
<i>Heptranchias perlo</i>	DD	0.1	3.9	2.2
<i>Hexanchus griseus</i>	LC	0.0	0.8	0.4
<i>Mustelus asterias</i>	VU	0.9	0.0	0.4
<i>Mustelus mustelus</i>	VU	18.7	0.8	8.9
<i>Mustelus punctulatus</i>	VU	3.5	0.0	1.6
<i>Oxynotus centrina</i>	CR	0.9	0.9	0.9
<i>Scyliorhinus canicula</i>	//	37.5	28.0	32.4
<i>Scyliorhinus stellaris</i>	NT	1.1	0.2	0.6
<i>Squalus acanthias</i>	EN	0.0	0.2	0.1
<i>Squalus blainville</i>	DD	21.5	14.5	17.7

MRRL, Mediterranean Regional Red List; CR, Critically Endangered; EN, Endangered; VU, Vulnerable; NT, Near Threatened; LC, Least Concern; DD, Data Deficient; NI, not included in the MRRL; //, not available.

Table S2. Outputs of the sensitivity analysis. R.est, estimated resilience; K.est, estimated carrying capacity; CI, 95% confidence interval.

Scenarios	r prior (CI)	B/K prior (CI)	r.est	K.est	K.est (CI)	B/B _{MSY}	B/B _{MSY} (CI)	F/F _{MSY}	F/F _{MSY} (CI)
Batoids(10-200m)									
Best model	0.015-0.8	0.01-0.4	0.70	14.90	12.0-20.5	1.43	0.79-2.61	0.50	0.05-1.16
1	0.015-0.5	0.01-0.4	0.55	14.3	11.5-19.5	1.53	0.85-2.79	0.49	0.04-1.32
2	0.015-0.5	0.2-0.6	0.53	12.5	11.0-14.6	1.74	0.96-3.13	0.32	0.02-0.86
3	0.015-0.8	0.2-0.6	0.67	13.0	11.4-15	1.66	0.92-2.97	0.32	0.02-0.83
4	0.015-0.8	0.01-0.6	0.68	13.5	11.6-15.8	1.59	0.89-2.86	0.36	0.03-0.96
Batoids (200-800m)									
Best model	0.015-0.8	0.2-0.6	0.55	6.70	5.7-7.9	0.77	0.43-1.38	1.48	0.44-2.93
1	0.015-0.5	0.01-0.4	0.44	9.5	6.5-13.9	0.58	0.33-1.04	1.78	0.41-3.8
2	0.015-0.5	0.2-0.6	0.48	6.4	5.3-7.5	0.86	0.48-1.55	1.40	0.34-2.84
3	0.015-0.8	0.01-0.4	0.46	10.1	7.1-14.3	0.51	0.28-0.92	1.99	0.54-4.21
4	0.015-0.8	0.01-0.6	0.51	7.4	5.3-10.2	0.69	0.38-1.24	1.66	0.43-3.44
Batoids (10-800m)									
Best model	0.015-0.8	0.2-0.6	0.63	105.10	92.8-120.8	1.35	0.75-2.48	0.61	0.10-1.25
1	0.015-0.5	0.01-0.4	0.50	130.0	96.4-191.5	1.13	0.63-2.01	0.92	0.13-2.13
2	0.015-0.5	0.2-0.6	0.53	101.8	89.9-119.3	1.44	0.79-2.63	0.58	0.07-1.29
3	0.015-0.8	0.01-0.4	0.56	133.2	99.2-195.5	1.06	0.59-1.92	0.98	0.18-2.21
4	0.015-0.8	0.01-0.6	0.60	120.1	96.2-173.3	1.18	0.65-2.14	0.80	0.11-1.83
<i>R. clavata</i>									
Best model	0.05-0.8	0.01-0.6	0.74	64.1	56.6-74.5	1.50	0.82-2.72	0.38	0.05-0.84
1	0.05-0.5	0.01-0.4	0.52	61.2	54.0-71.2	1.64	0.91-3.01	0.40	0.03-1.01
2	0.05-0.5	0.2-0.6	0.58	58.8	52.5-64.7	1.84	1.02-3.15	0.36	0.04-0.75
3	0.05-0.8	0.2-0.6	0.94	59.9	55.1-68.1	1.60	0.98-3.15	0.22	0.05-0.47
4	0.05-0.8	0.01-0.4	0.75	64.1	56.4-74.1	1.50	0.82-2.69	0.38	0.05-0.84
<i>R. miraletus</i>									
Best model	0.05-0.8	0.2-0.6	0.56	45.9	36.9-58.2	0.21	0.12-0.39	3.64	1.72-6.65
1	0.05-0.5	0.01-0.4	0.38	58.0	42.8-85.7	0.20	0.11-0.37	3.98	1.63-7.46
2	0.05-0.5	0.2-0.6	0.44	44.7	35.2-61.4	0.26	0.14-0.47	3.63	1.60-6.46
3	0.05-0.8	0.01-0.4	0.54	58.8	41.0-86	0.17	0.09-0.3	3.95	1.74-7.41
4	0.05-0.8	0.01-0.6	0.54	53.9	37.9-81.6	0.18	0.10-0.33	3.74	1.67-7.35
Sharks (10-200m)									
Best model	0.015-0.8	0.01-0.4	0.83	26.4	22.5-32.6	1.34	0.75-2.41	0.66	0.10-1.74
1	0.015-0.5	0.01-0.4	0.60	27.2	21.9-38.7	1.26	0.71-2.34	0.80	0.12-1.85
2	0.015-0.5	0.2-0.6	0.62	23.7	21.0-27.5	1.43	0.80-2.57	0.60	0.07-1.28
3	0.015-0.8	0.2-0.6	0.75	25.0	22.1-28.7	1.43	0.79-2.57	0.61	0.08-1.46
4	0.015-0.8	0.01-0.6	0.82	25.0	22.0-29.2	1.43	0.80-2.58	0.59	0.09-1.29
Sharks (200-800m)									
Best model	0.015-0.8	0.01-0.6	0.59	58.3	46.5-73.4	0.65	0.36-1.17	1.70	0.55-3.3
1	0.015-0.5	0.01-0.4	0.50	60.9	46.1-92.6	0.68	0.37-1.21	1.72	0.49-3.49
2	0.015-0.5	0.2-0.6	0.53	49.2	43.2-57.3	0.85	0.47-1.51	1.42	0.37-2.8
3	0.015-0.8	0.2-0.6	0.61	52.4	45.9-61.4	0.72	0.39-1.31	1.54	0.48-2.95
4	0.015-0.8	0.01-0.4	0.57	64.6	47.8-95.4	0.58	0.32-1.06	1.82	0.59-3.48
<i>E. spinax</i>									
Best model	0.015-0.8	0.01-0.6	0.46	5.89	3.9-8.6	0.49	0.27-0.89	1.95	0.45-4.18
1	0.015-0.1	0.01-0.4	0.18	6.7	5.0-8.79	0.40	0.21-0.72	2.43	0.32-4.93
2	0.015-0.1	0.2-0.6	0.26	4.7	3.7-6.3	0.56	0.33-0.98	2.09	0.34-5.28
3	0.015-0.5	0.2-0.6	0.43	4.8	3.7-6.3	0.63	0.36-1.16	1.80	0.37-3.85
4	0.015-0.5	0.01-0.4	0.38	7.3	5.0-10.9	0.42	0.23-0.75	1.99	0.32-4.53
<i>G. melastomus</i>									

Best model	0.05-0.5	0.01-0.4	0.45	40.23	31.9-54.2	0.53	0.29-0.94	2.19	0.73-4.03
1	0.05-0.5	0.2-0.6	0.48	35.8	31.1-41.6	0.59	0.33-1.09	2.03	0.68-3.85
2	0.05-0.8	0.2-0.6	0.62	38.2	32.9-44.8	0.53	0.29-0.95	2.14	0.83-4.21
3	0.05-0.8	0.01-0.4	0.59	42.7	33.7-55.7	0.46	0.26-0.84	2.30	0.88-4.46
4	0.05-0.8	0.01-0.6	0.61	38.6	33.3-45.3	0.51	0.29-0.91	2.18	0.80-4.38
Sharks (10-800m)									
Best model	0.015-0.8	0.01-0.6	0.64	68.9	60.4-81.8	1.56	0.87-2.85	0.40	0.04-0.95
1	0.015-0.5	0.01-0.4	0.56	75.5	60.2-101.7	1.44	0.80-2.59	0.54	0.04-1.36
2	0.015-0.5	0.2-0.6	0.52	64.2	57.2-73.5	1.68	0.94-3.14	0.37	0.03-0.96
3	0.015-0.8	0.2-0.6	0.58	66.1	58.9-75.2	1.61	0.89-2.93	0.38	0.04-0.89
4	0.015-0.8	0.01-0.4	0.63	77.6	62.7-102.2	1.38	0.77-2.45	0.58	0.07-1.39
<i>S. blainville</i>									
Best model	0.015-0.5	0.2-0.6	0.43	50.70	43.1-61.0	1.35	0.77-2.48	0.68	0.08-1.53
1	0.015-0.1	0.01-0.4	0.14	106.1	84.7-139.5	0.66	0.38-1.32	1.44	0.21-3.96
2	0.015-0.1	0.2-0.6	0.25	62.4	42.0-77.4	1.16	0.70-1.56	1.05	0.06-2.39
3	0.015-0.5	0.01-0.4	0.47	64.8	47.2-92.1	1.05	0.58-1.88	1.04	0.16-2.37
4	0.015-0.5	0.01-0.6	0.49	59.9	45.7-88.9	1.14	0.62-2.09	0.92	0.14-2.1
<i>S. canicula</i>									
Best model	0.05-0.8	0.2-0.6	0.51	29.7	21.7-44.6	1.26	0.69-2.27	0.73	0.09-1.71
1	0.05-0.5	0.01-0.4	0.34	36.4	26.7-50.6	1.04	0.56-1.87	1.05	0.10-2.51
2	0.05-0.5	0.2-0.6	0.40	29.2	21.6-42.2	1.29	0.72-2.32	0.76	0.07-1.84
3	0.05-0.8	0.01-0.4	0.44	36.9	26.0-51.6	1.00	0.56-1.79	1.00	0.15-2.2
4	0.05-0.8	0.01-0.6	0.48	32.0	22.2-48.2	1.16	0.65-2.1	0.83	0.11-1.91

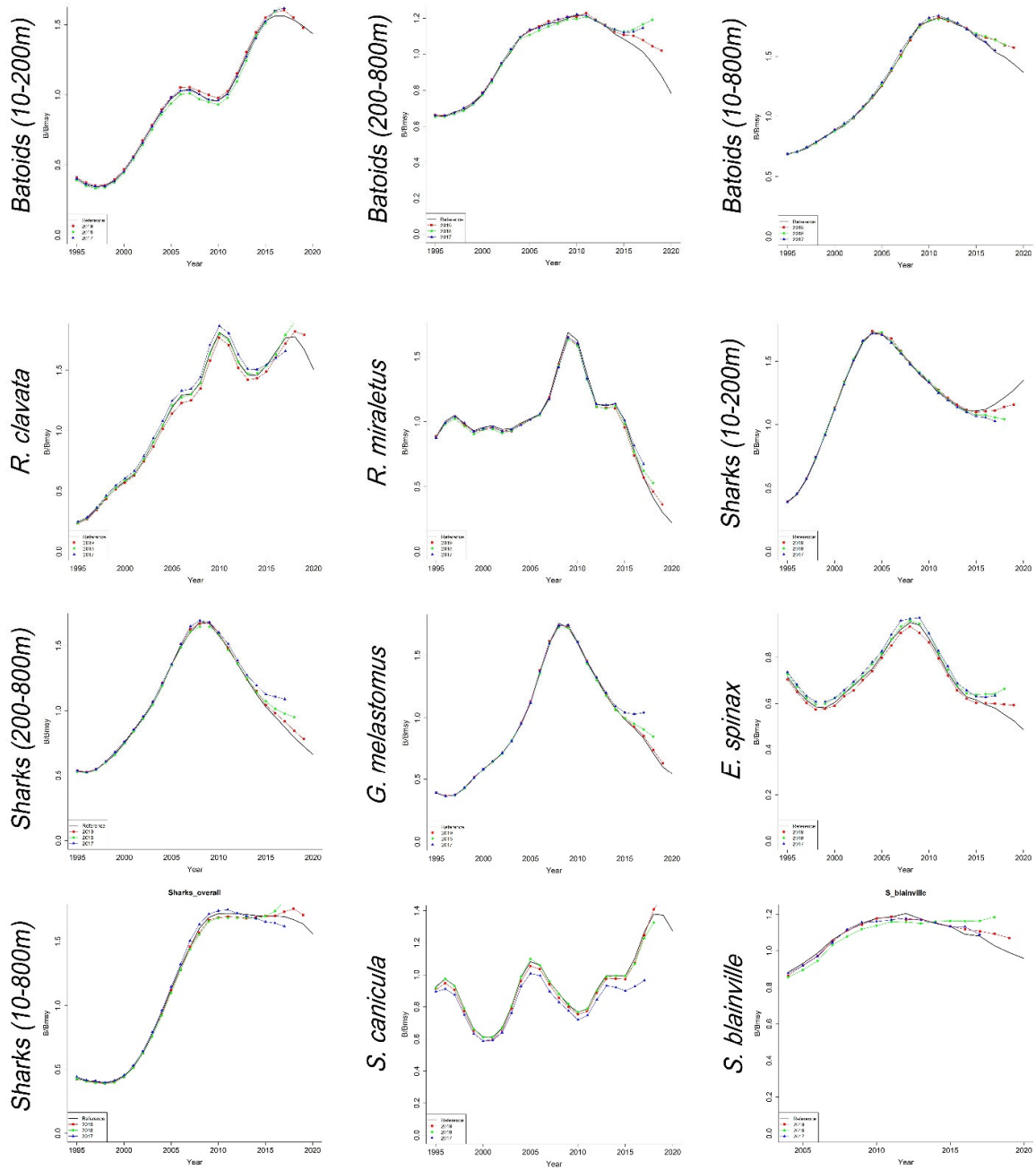


Figure S1. Retrospective analysis of investigated Elasmobranchii sampled during the MEDITS survey in GSA 16.