



Supplementary Materials

	High Trophic Level Biomass	Biomass Residency Time (BRT)	Efficiency Cumulated Indicator (ECI)	Biodiversity	Primary Productivity	Eutrophication	Mussel Aquaculture capacity	Recreational boating capacity	Tourism capacity	Food provisioning (Fishery)	Recreational boating flow	Tourism flow	Supporting ES sea bottom	Supporting ES water column	Supporting ES surface	Capacity to deliver general ESs
High Trophic Level Biomass	1.00	-0.35	-0.03	-0.10	0.26	0.12	0.11	0.29	0.16	-0.05	0.14	-0.10	0.09	0.18	0.00	-0.12
Biomass Residency Time (BRT)	-0.35	1.00	-0.53	0.25	-0.72	-0.74	0.46	0.26	0.48	-0.38	-0.49	-0.26	0.04	-0.19	-0.23	-0.01
Efficiency Cumulated Indicator (ECI)	-0.03	-0.53	1.00	-0.03	0.51	0.63	-0.63	-0.21	-0.48	0.32	0.23	0.31	-0.06	0.15	0.21	0.02
Biodiversity	-0.10	0.25	-0.03	1.00	0.28	-0.01	0.30	0.01	0.20	0.19	-0.26	0.13	0.24	0.47	0.34	-0.16
Primary Productivity	0.26	-0.72	0.51	0.28	1.00	0.70	-0.39	-0.09	-0.31	0.38	0.37	0.38	0.16	0.39	0.30	0.03
Eutrophication	0.12	-0.74	0.63	-0.01	0.70	1.00	-0.57	-0.20	-0.70	0.55	0.44	0.45	-0.11	0.17	0.29	0.21
Mussel Aquaculture capacity	0.11	0.46	-0.63	0.30	-0.39	-0.57	1.00	-0.10	0.35	0.01	0.08	0.28	0.42	-0.08	-0.41	-0.24
Recreational boating capacity	0.29	0.26	-0.21	0.01	-0.09	-0.20	-0.10	1.00	0.49	-0.44	0.10	-0.42	-0.03	-0.12	-0.07	0.16
Tourism capacity	0.16	0.48	-0.48	0.20	-0.31	-0.70	0.35	0.49	1.00	-0.47	-0.27	-0.48	0.11	0.10	0.01	-0.22
Food provisioning (Fishery)	-0.05	-0.38	0.32	0.19	0.38	0.55	0.01	-0.44	-0.47	1.00	-0.13	0.34	-0.27	0.10	0.06	0.24
Recreational boating flow	0.14	-0.49	0.23	-0.26	0.37	0.44	0.08	0.10	-0.27	-0.13	1.00	0.41	-0.08	-0.15	-0.05	0.03
Tourism flow	-0.10	-0.26	0.31	0.13	0.38	0.45	0.28	-0.42	-0.48	0.34	0.41	1.00	0.06	0.12	0.09	0.05
Supporting ES sea bottom	0.09	0.04	-0.06	0.24	0.16	-0.11	0.42	-0.03	0.11	-0.27	-0.08	0.06	1.00	0.46	0.24	-0.36
Supporting ES water column	0.18	-0.19	0.15	0.47	0.39	0.17	-0.08	-0.12	0.10	0.10	-0.15	0.12	0.46	1.00	0.54	-0.30
Supporting ES surface	0.00	-0.23	0.21	0.34	0.30	0.29	-0.41	-0.07	0.01	0.06	-0.05	0.09	0.24	0.54	1.00	-0.27
Capacity to deliver general ESs	-0.12	-0.01	0.02	-0.16	0.03	0.21	-0.24	0.16	-0.22	0.24	0.03	0.05	-0.36	-0.30	-0.27	1.00

Table 1: Correlation pairwise coefficients (alpha=0.05) for each ecosystem functioning and service indicators.