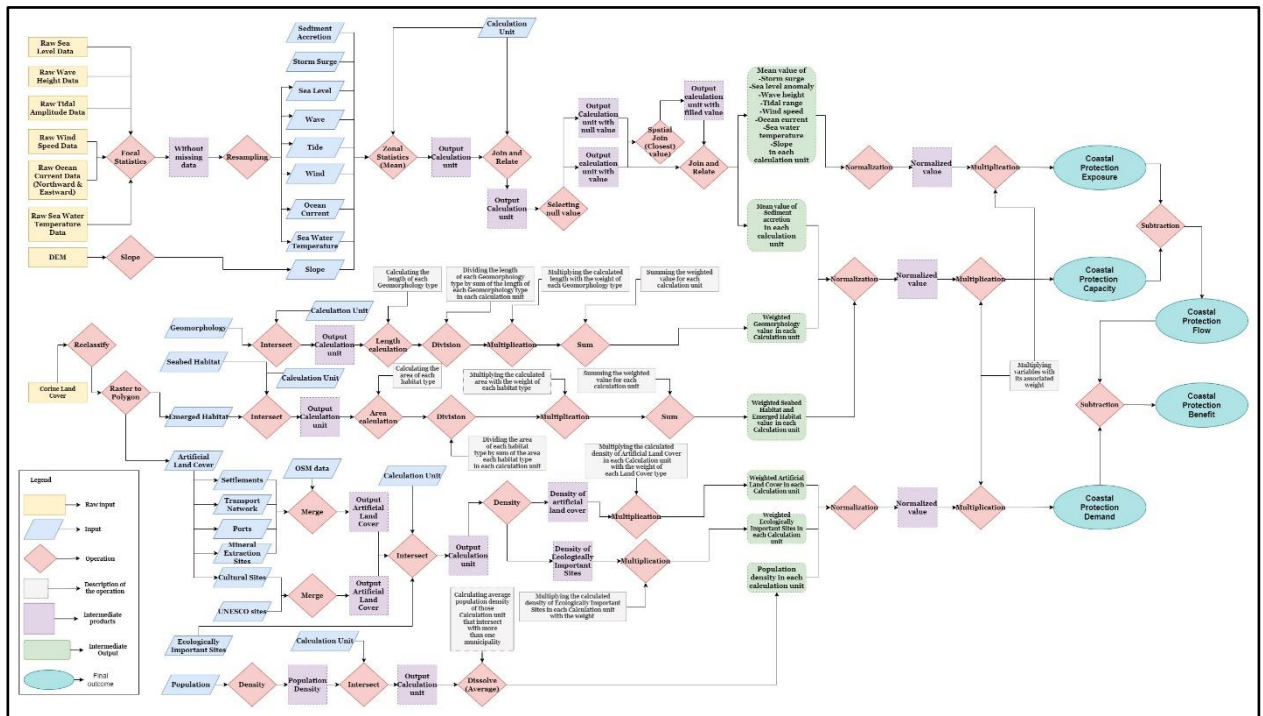
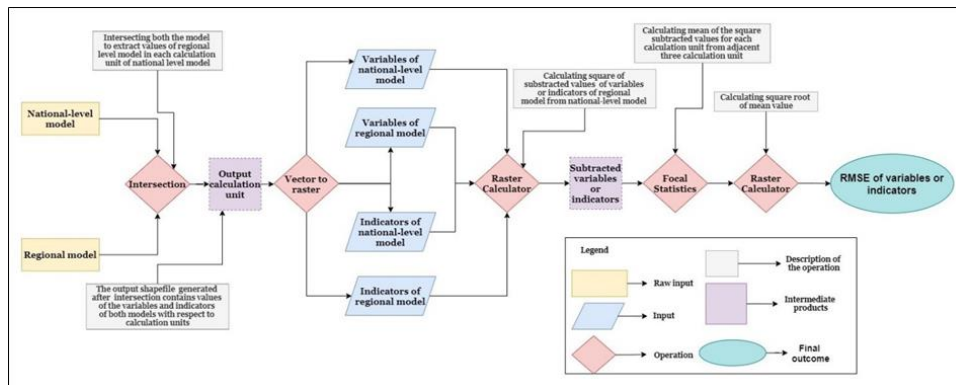


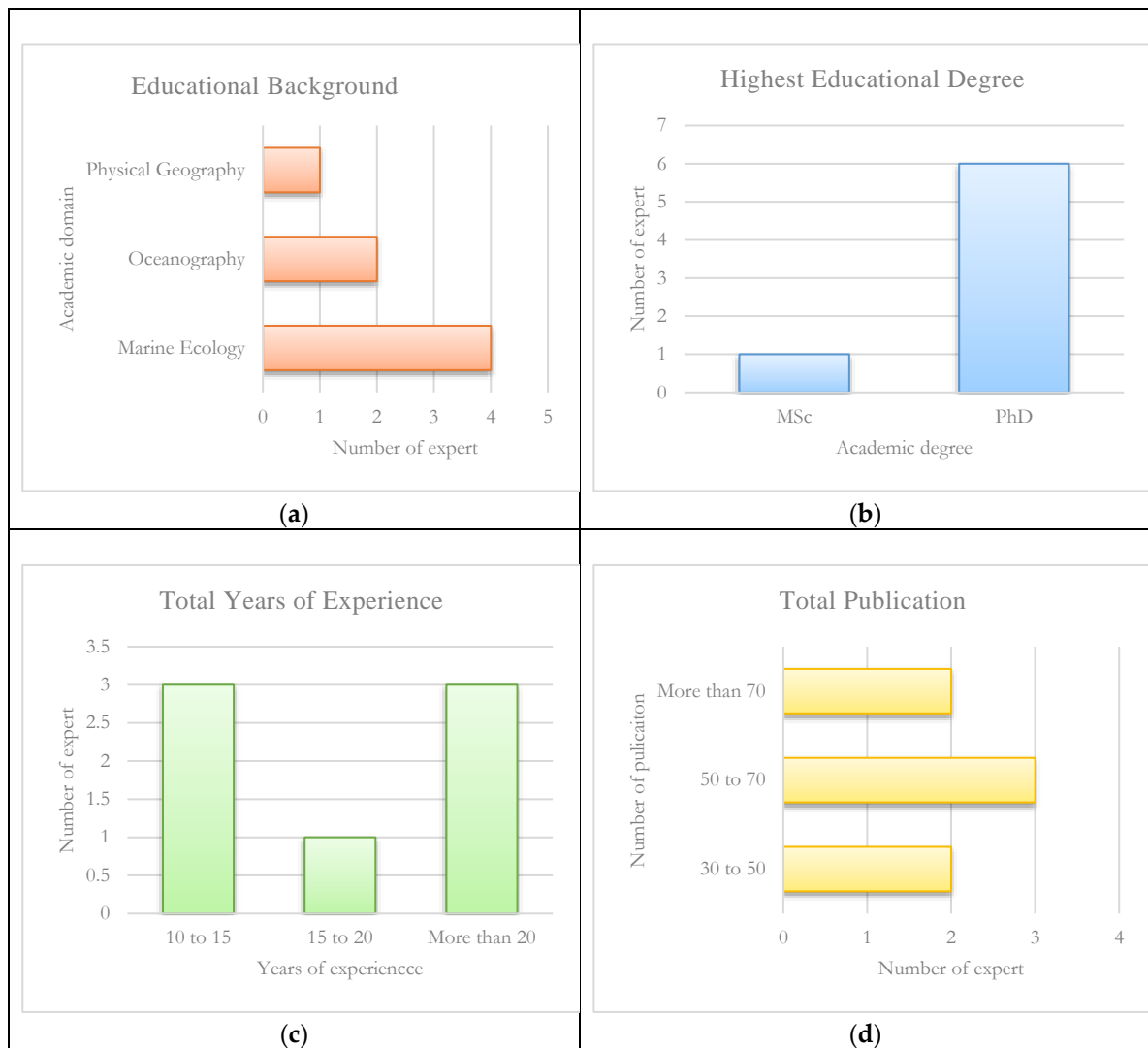
## Supplementary Materials



**Figure S1.** Workflow to assess coastal protection capacity, exposure, demand, service flow and benefit of the coastal areas of Greece.



**Figure S2.** Workflow to compare the regional and national level model.



**Figure S3.** Expert's profile: **(a)** academic background of the experts, **(b)** level of education of the experts, **(c)** work experience of the experts, **(d)** total number of publications by the experts.

**Table S1.** Weights of the variables of coastal protection capacity indicator given by the experts.

SN	Geomorphology	Slope	Emerged Habitat	Seabed Habitat	Sediment Accumulation Rate	Total (Xi)
Expert 1	3	3	2	3	3	14
Expert 2	4	4	4	4	4	20
Expert 3	4	3	3	3	4	17
Expert 4	4	2	2	4	3	15
Expert 5	4	4	2	3	4	17
Expert 6	3	3	4	4	4	18
Expert 7	4	4	2	4	4	18
Sum of weight of each variable (X)	26	23	19	25	26	119
Weight of each variable on a scale of 1	0.218	0.193	0.160	0.210	0.218	1

**Table S2.** Weights of the variables of coastal protection exposure indicator given by the experts.

SN	Sea level rise	Storm surge height	Wave height	Tidal range	Wind Speed	Eastward Ocean Current	Northward Ocean Current	Sea Water Potential Temperature	Total (Xi)
Expert 1	4	3	4	3	4	1	1	1	21
Expert 2	2	3	3	2	3	1	1	1	16
Expert 3	1	4	3	2	4	2	2	1	19
Expert 4	4	4	4	2	2	1	1	1	19
Expert 5	4	4	3	1	3	2	2	1	20
Expert 6	4	4	3	4	2	1	1	1	20
Expert 7	3	2	3	3	2	2	2	2	19
Sum of weight of each variable (X)	22	24	23	17	20	10	10	8	134
Weight of each variable on a scale of 1	0.164	0.179	0.172	0.127	0.149	0.075	0.075	0.060	1

**Table S3.** Weights of the variables of coastal protection demand indicator given by the experts.

SN	Popula tion Densit y	Settlements (residential, industrial, commercial)	Cultural site	Transport network (roads, railway)	Ports (airports, ports)	Areas of high ecological values	Mineral extraction site	Total (Xi)
Expert 1	4	4	4	4	4	4	1	25
Expert 2	4	2	4	4	4	4	1	23
Expert 3	4	4	3	3	4	3	2	23
Expert 4	4	4	4	4	4	4	2	26
Expert 5	3	4	3	4	4	4	1	23
Expert 6	4	4	4	3	4	4	4	27
Expert 7	3	3	3	4	4	2	2	21
Sum of weight of each variable (X)	26	25	25	26	28	25	13	168
Weight of each variable on a scale of 1	0.155	0.149	0.149	0.155	0.167	0.149	0.077	1

**Table S4.** Weights of the subtypes of seabed habitat variable given by the experts.

SN	Seabed Habitat subtypes [Coarse & mixed sediment]	Seabed Habitat subtypes [Seagrass meadows]	Seabed Habitat subtypes [Shallow muds]	Seabed Habitat subtypes [Shallow sands]	Total (Xi)
Expert 1	4	3	2	3	12
Expert 2	3	4	2	3	12
Expert 3	3	4	2	1	10
Expert 4	3	4	1	1	9
Expert 5	2	4	3	1	10
Expert 6	2	4	1	1	8
Expert 7	4	4	2	2	12
Sum of weight of each variable (X)	21	27	13	12	73
Weight of each variable on a scale of 1	0.288	0.370	0.178	0.164	1

**Table S5.** Weights of the subtypes of geomorphology variable given by the experts.

SN	Rocks and/or cliffs made of hard rocks (little subject to erosion)	Rocks and/or cliffs with small beaches	Conglomerates and/or cliffs made of material subject to erosion: presence of rock waste and sediments (sand pebbles on the strand)	Small beaches separated by rocky capes	Developed beaches (length of the beach > 1 km) with strands made of coarse sediments: gravels or pebbles	Developed beaches with sandy strands: fine to coarse sand	Coastlines made of soft non-cohesive sediments	Strands made of muddy sediments: "waddens" and intertidal marshes with "slikkes and schorres"	Harbour areas	Coastal embankments for construction purposes (e.g. by emplacement of rocks earth etc.)	Soft strands with "beach rock" on intertidal strands	Soft strands of heterogeneous category grain size	Soft strands of unknown category grain size	Total (Xi)
Expert 1	2	3	3	3	2	2	2	1	1	1	1	2	2	25
Expert 2	4	3	1	2	3	3	1	4	2	1	3	3	2	32
Expert 3	4	3	3	2	2	2	1	1	4	3	2	1	1	29
Expert 4	4	4	1	2	1	1	1	1	3	2	3	2	1	26
Expert 5	4	3	3	2	2	1	1	2	4	4	3	2	2	33
Expert 6	4	4	3	3	3	1	1	1	3	3	3	1	1	31
Expert 7	4	3	3	1	1	1	1	1	1	1	1	1	1	20
Sum of weight of each variable (X)	26	23	17	15	14	11	8	11	18	15	16	12	10	196
Weight of each variable on a scale of 1	0.133	0.117	0.087	0.077	0.071	0.056	0.041	0.056	0.092	0.077	0.082	0.061	0.0510	1

**Table S6.** Weights of the subtypes of emerged habitat variable given by the experts.

SN	Arable land	Beaches, dunes, sands	Coastal lagoons	Estuaries	Forests	Fruit trees	Heterogeneous agricultural areas	Open spaces with little or no vegetation	Pastures	Permanent crops	Scrub or herbaceous vegetation	Water courses	Wetlands	Total (Xi)
Expert 1	3	3	1	1	2	2	4	3	3	3	3	1	1	30
Expert 2	1	4	4	4	1	1	1	4	1	1	3	4	4	33
Expert 3	1	4	3	3	4	1	2	1	2	2	3	4	4	34
Expert 4	1	1	4	4	4	2	2	1	1	2	2	1	4	29
Expert 5	2	2	1	1	3	2	2	2	2	3	3	1	1	25
Expert 6	1	2	1	4	4	3	1	1	1	3	2	2	2	27
Expert 7	1	3	2	2	1	1	1	1	1	1	1	1	1	17
Sum of weight of each variable (X)	10	19	16	19	19	12	13	13	11	15	17	14	17	195
Weight of each variable on a scale of 1	0.051	0.097	0.082	0.097	0.097	0.062	0.067	0.067	0.056	0.077	0.087	0.072	0.087	1