

Table S1. Mean, Std, Min, Max values of chemico-physical parameters in the Italian studied lagoons.

Surface Sediments										
Year	Lagoons	Stations		Density	Fines	Phosphorus			Nitrogen	
						Total	Inorganic	Organic	Organic	Total
				g cm ⁻³	%	µg g ⁻¹		%		mg g ⁻¹
2009	Marano-Grado lagoon	19	Mean	0.80	82.5	334	225	109	31.7	1.23
			Std	0.14	12.9	86	49	41	6.0	0.36
			Min	0.58	60.0	209	160	49	20	0.50
			Max	1.10	98.3	536	344	192	44	1.90
2009	Po Delta lagoons and ponds	20	Mean	0.87	63.4	625	514	111	17.0	1.80
			Std	0.33	37.1	159	126	60	8.0	1.06
			Min	0.45	1.8	359	326	12	2.7	0.13
			Max	1.38	99.6	1096	935	193	29.1	3.80
2009	Comacchio valleys	2	Mean	0.59	57.0	423	298	125	29.8	2.54
			Std	0.18	40.0	139	103	36	1.25	1.36
			Min	0.46	28.7	324	225	100	28.9	1.58
			Max	0.72	85.4	521	370	151	30.7	3.50
2009	Pialassa della Baiona	3	Mean	0.59	87.5	717	537	180	24.7	3.09
			Std	0.11	3.78	95	36	68	5.99	1.13
			Min	0.47	83.3	652	498	129	19.2	2.30
			Max	0.70	90.6	826	569	257	31.1	4.39
2011	Venice lagoon	118	Mean	0.96	69.1	403	312	91	21.7	1.19
			Std	0.31	23.4	113	92	63	12.2	1.95
			Min	0.19	11.7	199	152	4	1.05	0.03
			Max	1.56	99.0	684	636	333	68.7	11.5
	Total Stations	162	Mean	0.92	70.2	428	331	97	22.4	1.36
			Std	0.30	24.9	146	122	62	11.6	1.39
			Min	0.19	1.8	199	152	4	1.05	0.09
			Max	1.56	99.6	1096	935	333	68.7	12.9