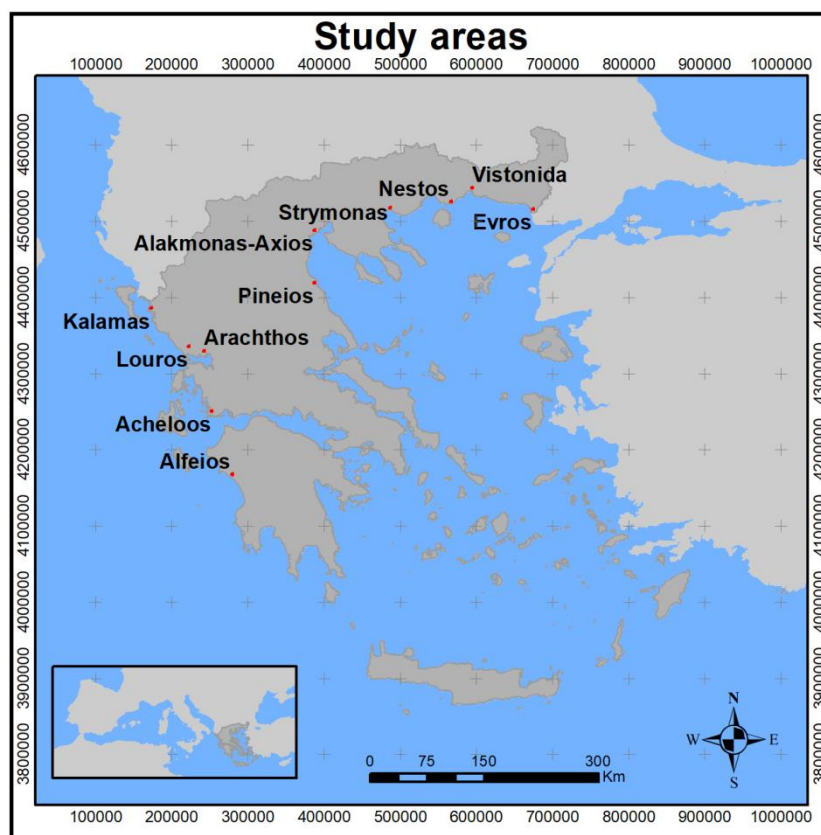


Supplementary

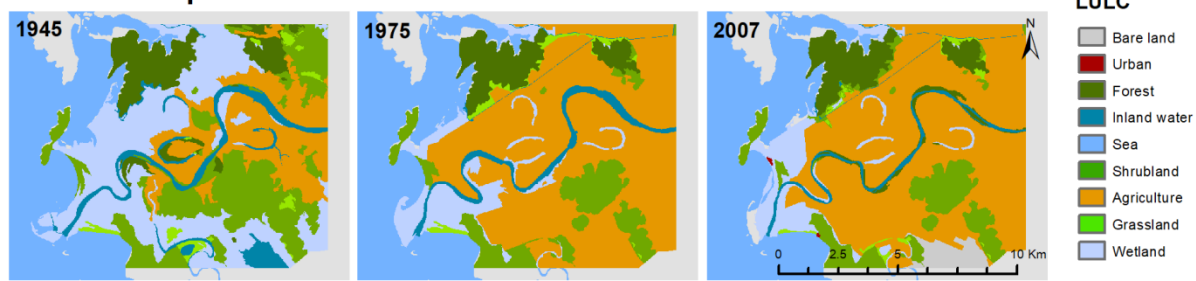
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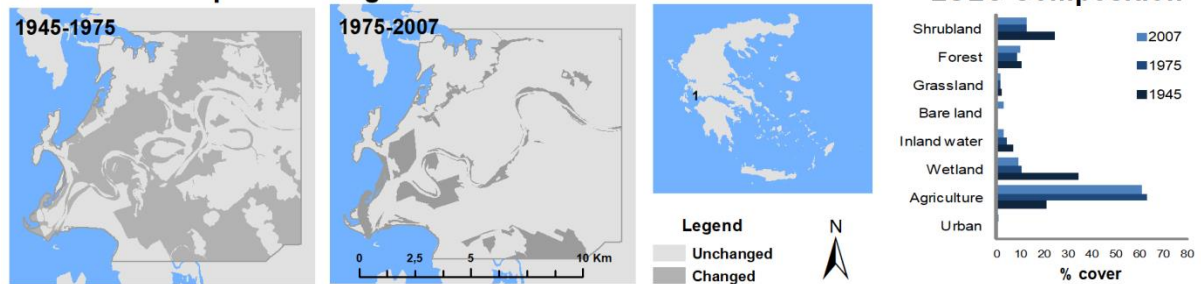


1 Acheloos

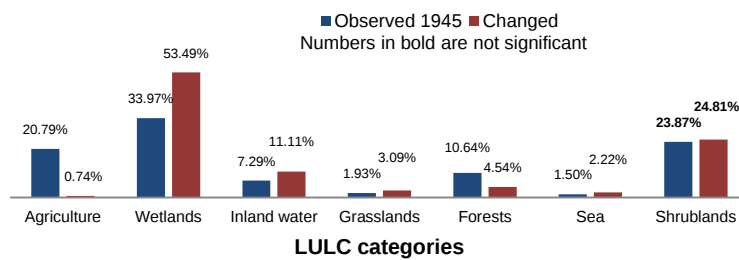
Thematic maps



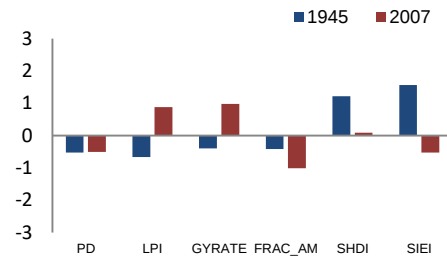
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

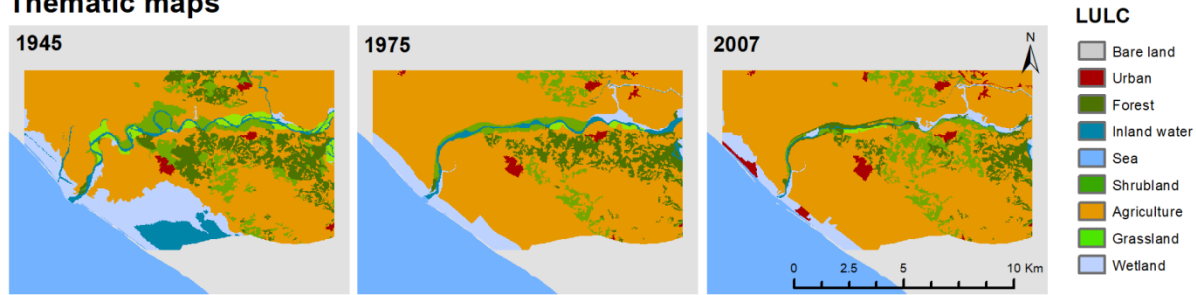


Transition matrix

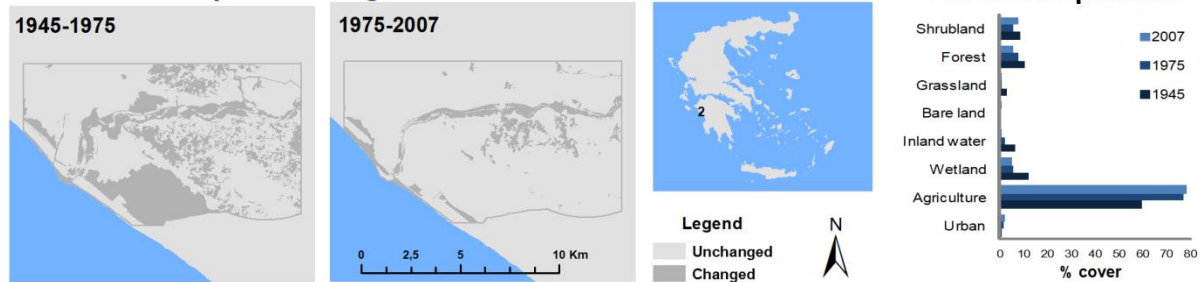
Acheloos 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture	0.00	19.86	0.44	0.28	0.00	0.03	0.03	0.00	0.18	20.81	42.09	0.95	41.14	1.91	43.05	19.86
Wetland	0.00	24.68	6.48	0.77	0.00	0.70	0.01	0.96	0.31	33.91	3.68	27.43	23.76	7.36	31.11	6.48
Inland water	0.00	2.74	6.38	0.00	0.00	0.00	0.16	0.82	0.05	7.30	2.79	3.78	0.99	5.59	6.57	6.38
Bare land	0.00	0.19	0.17	2.67	0.00	0.00	1.16	0.00	0.08	0.00	1.39	4.42	3.03	2.78	5.81	2.88
Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	0.00	1.37	0.04	0.01	0.00	0.45	0.00	0.00	0.06	1.93	3.11	0.00	3.11	0.00	3.11	0.00
Sea	0.00	0.16	0.28	0.03	0.00	0.60	0.00	0.04	0.53	10.65	1.19	1.48	0.29	2.38	2.67	0.45
Shrubland	0.00	1.64	0.28	0.05	0.00	0.19	8.28	0.02	0.18	23.87	0.60	1.04	0.45	1.19	1.64	0.60
Total 1975	0.00	61.95	10.16	4.27	0.00	1.64	8.33	1.34	12.31	49.65	0.05	2.37	2.32	0.09	2.42	8.28
Total 2007	0.07	60.02	9.17	2.70	3.11	1.19	9.65	1.83	12.26	86.81	1.33	0.01	1.32	0.01	1.33	8.32

2 Alfeios

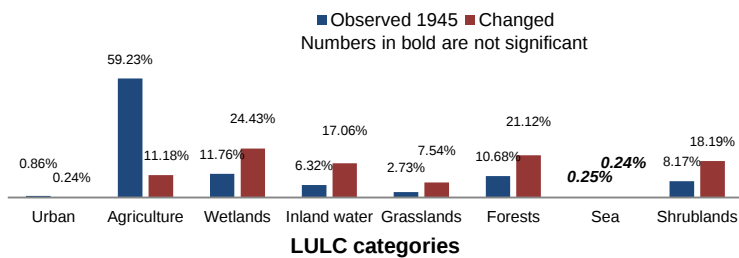
Thematic maps



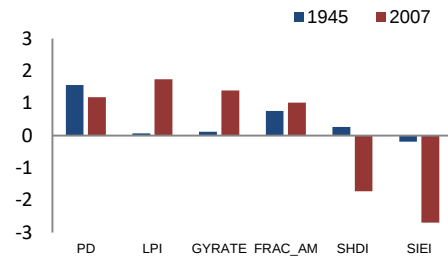
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics



Transition matrix

Allfeios 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.77	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.43	0.09	0.35	0.17	0.52	0.77
	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.94	0.00	0.94	0.01	0.94	1.20
Agriculture	0.38	55.28	0.43	0.43	0.00	0.01	1.14	0.00	1.56	59.22	21.69	3.94	17.74	7.88	25.63	55.28
	0.31	75.89	0.62	0.00	0.00	0.02	0.02	0.00	0.09		1.81	1.06	0.75	2.13	2.87	75.89
Wetland	0.00	7.92	3.62	0.03	0.00	0.00	0.02	0.16	0.02	11.77	2.23	8.15	5.92	4.46	10.38	3.62
	0.62	0.59	3.80	0.08	0.00	0.00	0.06	0.57	0.12		1.21	2.05	0.84	2.42	3.26	3.80
Inland water	0.00	3.88	1.03	0.65	0.00	0.09	0.09	0.09	0.48	6.31	1.48	5.66	4.18	2.96	7.13	0.65
	0.00	0.16	0.33	0.54	0.07	0.02	0.63	0.00	0.38		0.21	1.59	1.39	0.42	1.80	0.54
Bare land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.07	0.00	0.07	0.00	0.07	0.00
Grassland	0.00	1.00	0.45	0.59	0.00	0.12	0.12	0.00	0.45	2.74	0.32	2.61	2.29	0.64	2.93	0.12
	0.00	0.05	0.01	0.02	0.00	0.00	0.06	0.00	0.31		0.25	0.44	0.19	0.49	0.69	0.00
Forest	0.01	3.77	0.04	0.06	0.00	0.00	5.18	0.00	1.63	10.68	2.34	5.50	3.16	4.69	7.85	5.18
	0.01	0.26	0.00	0.02	0.00	0.00	4.20	0.00	3.04		1.61	3.33	1.72	3.22	4.93	4.20
Sea	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.25	0.00	0.50	0.50	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00		0.57	0.00	0.57	0.00	0.57	0.25
Shrubland	0.05	5.03	0.04	0.37	0.00	0.22	0.97	0.00	1.50	8.18	4.14	6.68	2.54	8.28	10.82	1.50
	0.00	0.75	0.26	0.09	0.00	0.20	0.84	0.00	3.50		3.96	2.14	1.81	4.28	6.10	3.50
Total 1975	1.20	76.96	5.85	2.13	0.00	0.44	7.52	0.25	5.64							67.12
Total 2007	2.14	77.70	5.01	0.75	0.07	0.25	5.81	0.82	7.46							89.38

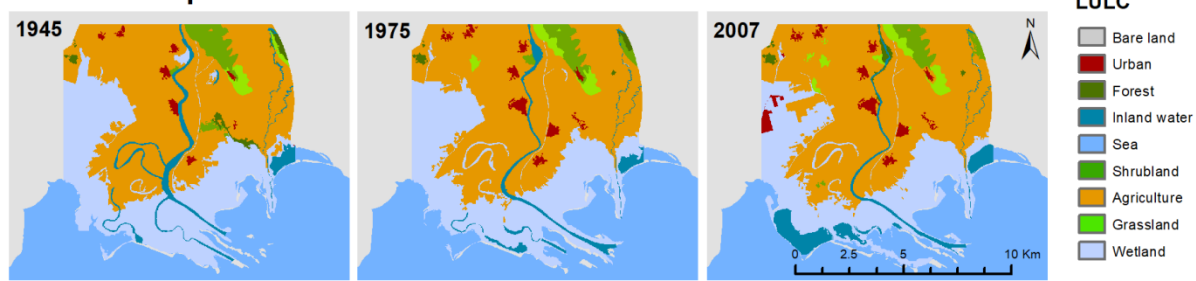


■ Observed 1945 ■ Changed

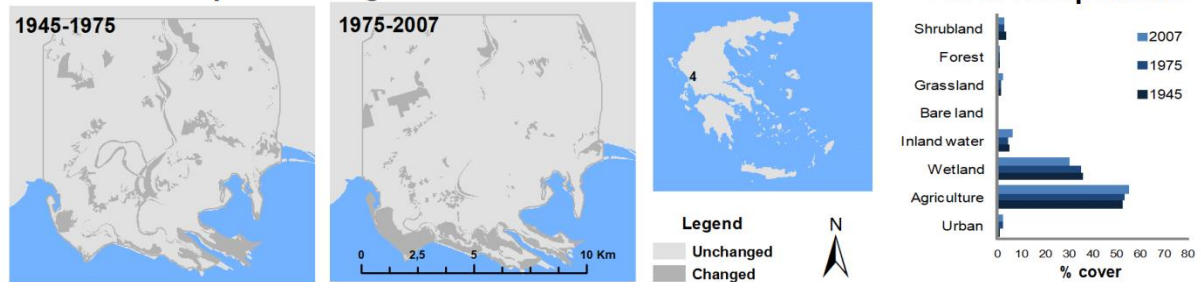
■ 1945 ■ 2007

4 Arachthos

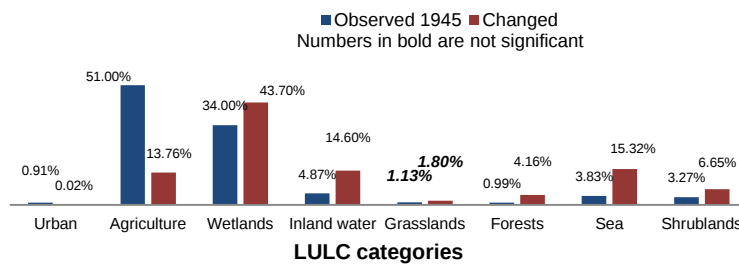
Thematic maps



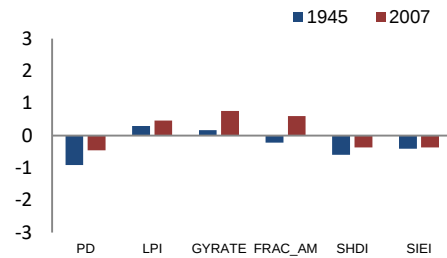
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

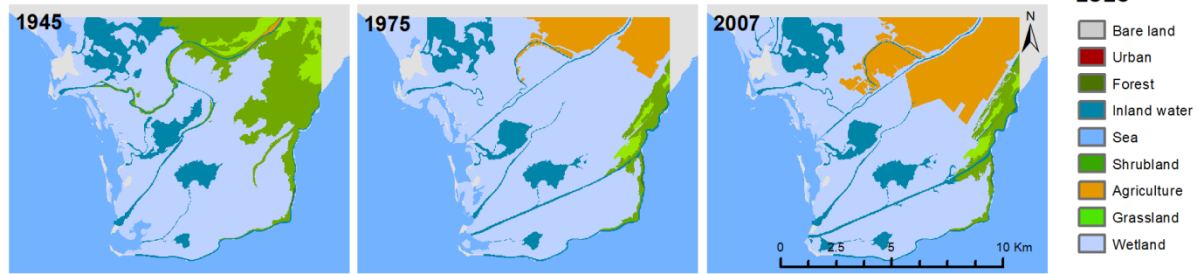


Transition matrix

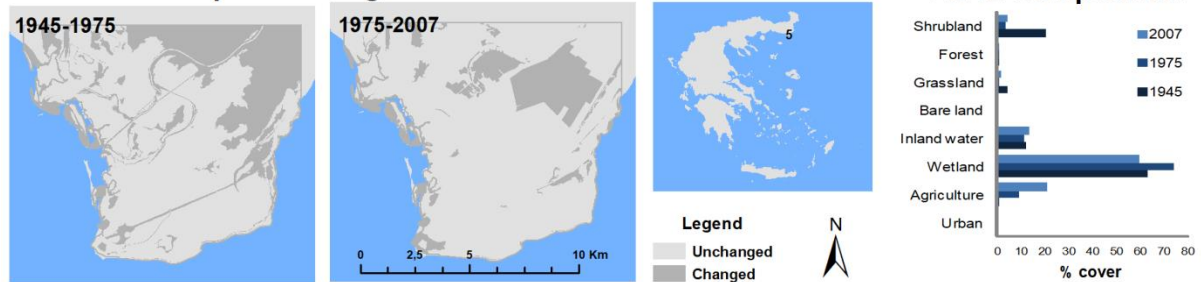
Arachthos 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.85	0.00	0.84	0.01	0.85	0.91
Agriculture	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.88	0.61	0.00	0.61	0.00	0.61	1.75
Wetland	0.68	47.74	1.58	0.49	0.00	0.23	0.10	0.00	0.05	34.12	3.81	3.13	0.68	6.27	6.94	47.74
Inland water	0.03	50.91	0.32	0.01	0.00	0.13	0.07	0.00	0.08	4.87	2.82	0.64	2.18	1.28	3.46	50.91
Bare land	0.00	1.93	29.59	0.75	0.00	0.00	0.00	1.68	0.17	1.13	4.44	4.53	0.09	8.88	8.97	29.59
Grassland	0.58	2.25	27.51	1.36	0.00	0.15	0.00	2.17	0.00	0.99	1.45	6.52	5.07	2.89	7.96	27.51
Forest	0.00	1.33	1.17	2.26	0.00	0.00	0.01	0.09	0.02	3.82	1.73	2.61	0.88	3.46	4.34	2.26
Sea	0.00	0.15	0.49	2.61	0.00	0.00	0.36	0.38	0.00	3.27	3.48	1.39	2.09	2.77	4.86	2.61
Shrubland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total 1975	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total 2007	0.02	0.00	0.00	0.00	0.00	0.67	0.02	0.00	0.42	1.13	0.98	0.46	0.52	0.92	1.44	0.67
	0.00	0.05	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.99	0.52	0.06	0.47	0.11	0.58	1.59
	0.00	0.28	0.25	0.01	0.00	0.00	0.35	0.00	0.09	3.82	0.14	0.64	0.50	0.28	0.78	0.35
	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.00	0.21	0.00	0.47	0.22	0.25	0.45	0.70	0.27
	0.00	0.00	1.40	0.47	0.00	0.00	0.00	1.95	0.00	3.82	1.77	1.87	0.10	3.55	3.65	1.95
	0.00	0.00	0.63	2.11	0.00	0.00	0.00	0.99	0.00	3.27	2.55	2.74	0.18	5.11	5.29	0.99
	0.15	0.28	0.04	0.00	0.00	0.75	0.00	0.00	2.06	0.00	0.75	1.21	0.47	1.50	1.96	2.06
	0.00	0.35	0.00	0.00	0.00	0.24	0.04	0.00	2.17	0.00	0.29	0.64	0.35	0.58	0.93	2.17
	1.75	51.55	34.03	3.99	0.00	1.65	0.49	3.73	2.80	85.53						
	2.36	53.73	28.96	6.09	0.00	2.12	0.74	3.55	2.46	87.81						

5 Evros

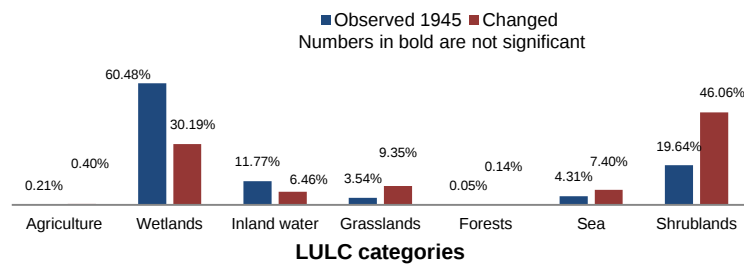
Thematic maps



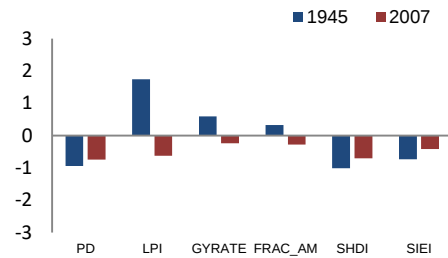
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

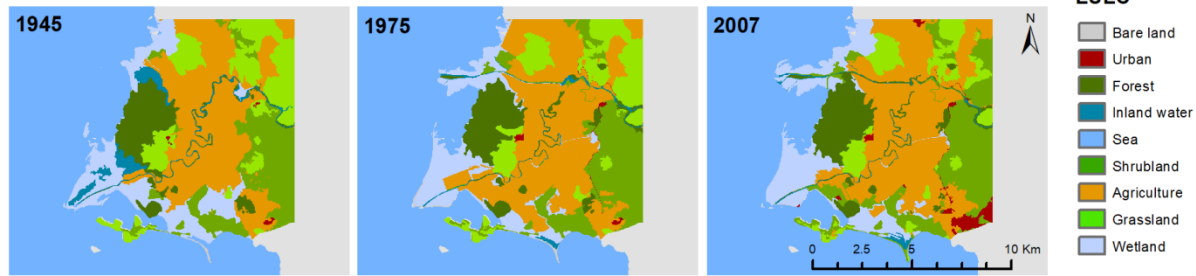


Transition matrix

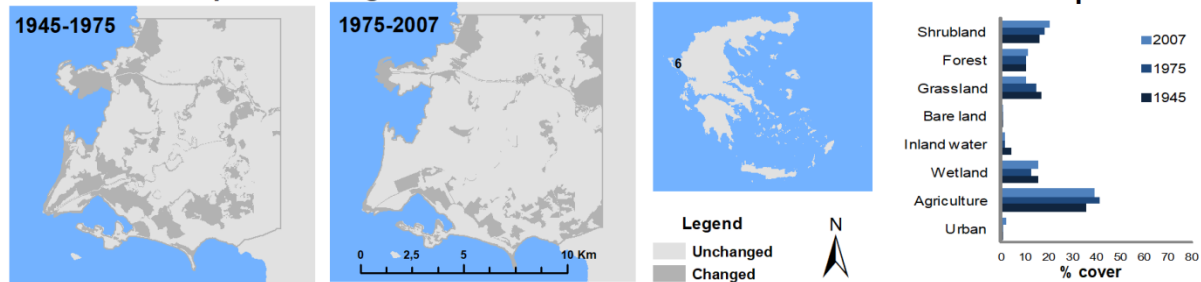
Evros 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture	0.00	0.06	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.21	9.41	0.15	9.26	0.30	9.56	0.06
Wetland	0.00	9.37	0.11	0.00	0.00	0.00	0.00	0.00	0.00	60.45	11.72	0.11	11.62	0.21	11.83	9.37
Inland water	0.00	0.03	56.21	2.45	0.00	0.59	0.01	0.58	0.58	11.78	16.73	4.24	12.49	8.48	20.97	56.21
Bare land	0.00	11.72	57.24	1.40	0.00	0.00	0.00	1.74	0.82	0.00	1.79	15.69	13.90	3.58	17.48	57.24
Grassland	0.00	0.00	2.91	8.66	0.00	0.00	0.04	0.14	0.02	0.00	2.75	3.12	0.37	5.49	5.86	8.66
Forest	0.00	0.00	0.54	10.82	0.00	0.00	0.05	0.00	0.00	0.05	2.05	0.59	1.46	1.18	2.64	10.82
Sea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shrubland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total 1975	0.00	9.47	72.94	11.41	0.00	0.99	0.10	1.78	3.32	68.50						
Total 2007	0.00	21.09	59.03	12.87	0.00	1.00	0.10	1.96	3.94	81.77						

6 Kalamas

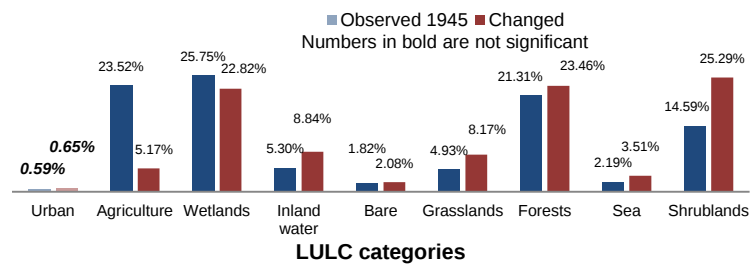
Thematic maps



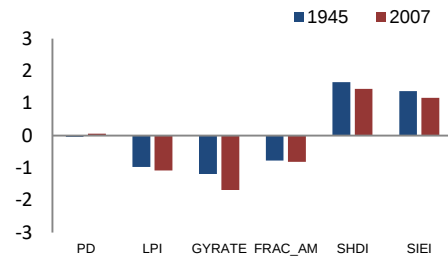
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

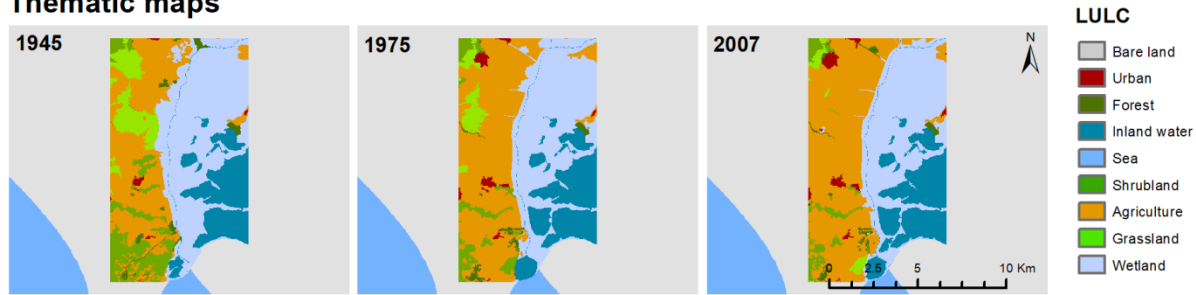


Transition matrix

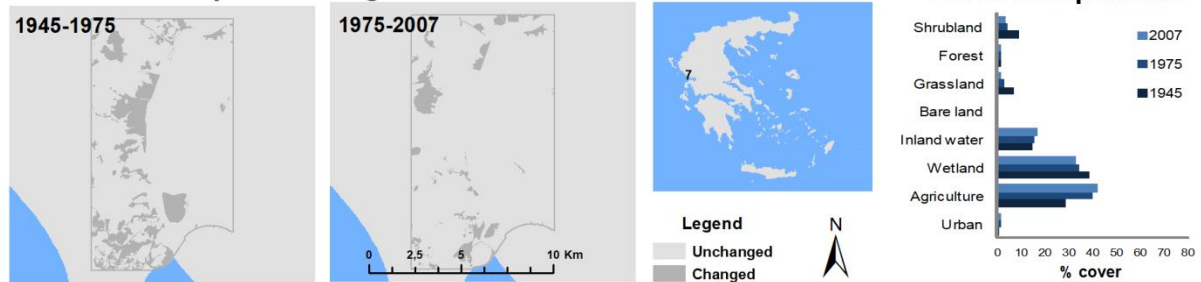
Kalamas 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	0.29	0.03	0.26	0.06	0.32	0.16
Agriculture	0.41	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.01	33.79	1.64	0.05	1.59	0.09	1.68	0.41
Wetland	0.05	30.99	0.61	0.22	0.00	0.08	0.41	0.00	1.43	14.86	9.20	2.80	6.41	5.59	12.00	30.99
Inland water	0.64	34.35	3.67	0.01	0.00	0.07	0.10	0.00	1.36	4.04	4.17	5.84	1.67	8.34	10.02	34.35
Bare land	0.00	6.85	6.60	0.09	0.05	0.12	0.12	0.43	0.60	10.08	5.95	8.26	2.31	11.90	14.21	6.60
Grassland	0.00	0.74	10.63	0.15	0.03	0.03	0.42	0.15	0.39	16.26	4.85	1.92	2.93	3.84	6.77	10.63
Forest	0.00	0.62	2.31	0.60	0.00	0.01	0.30	0.00	0.19	10.08	0.80	3.44	2.63	1.61	4.24	0.60
Sea	0.00	0.09	0.00	1.05	0.00	0.00	0.20	0.01	0.04	5.24	0.32	0.35	0.03	0.63	0.66	1.05
Shrubland	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	15.37	0.20	0.00	0.19	0.00	0.20	0.18
Total 1975	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.15	0.15	10.08	0.03	0.36	0.33	0.06	0.39	0.01
Total 2007	0.17	0.30	0.00	0.01	0.00	13.80	0.57	0.00	1.40	16.26	0.72	2.46	1.74	1.43	3.17	13.80
Urban	0.06	1.14	0.00	0.00	0.00	9.79	0.31	0.00	3.23	10.08	0.46	4.73	4.27	0.93	5.20	9.79
Agriculture	0.01	0.88	0.10	0.08	0.00	0.43	8.50	0.00	0.08	10.08	1.99	1.58	0.41	3.16	3.57	8.50
Wetland	0.00	0.39	0.01	0.04	0.00	0.02	9.88	0.00	0.15	5.24	1.24	0.61	0.63	1.21	1.85	9.88
Inland water	0.00	0.02	2.86	0.40	0.15	0.02	0.14	1.65	0.01	15.37	0.43	3.60	3.16	0.87	4.03	1.65
Bare land	0.00	0.00	1.03	0.10	0.00	0.03	0.01	0.91	0.00	15.37	0.31	1.17	0.87	0.61	1.48	0.91
Grassland	0.06	0.52	0.07	0.00	0.00	0.05	0.45	0.00	14.22	15.37	3.72	1.15	2.57	2.30	4.87	14.22
Forest	0.91	1.78	0.10	0.01	0.00	0.30	0.20	0.00	14.63	15.37	5.33	3.31	2.02	6.62	8.64	14.63
Sea	0.45	40.19	12.55	1.40	0.37	14.52	10.49	2.08	17.94	76.69						
Shrubland	2.04	38.52	15.48	1.37	0.04	10.25	11.12	1.21	19.96	81.66						

7 Louros

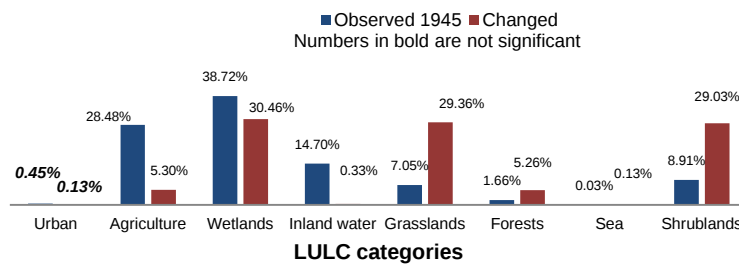
Thematic maps



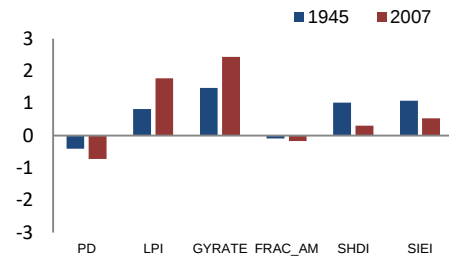
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

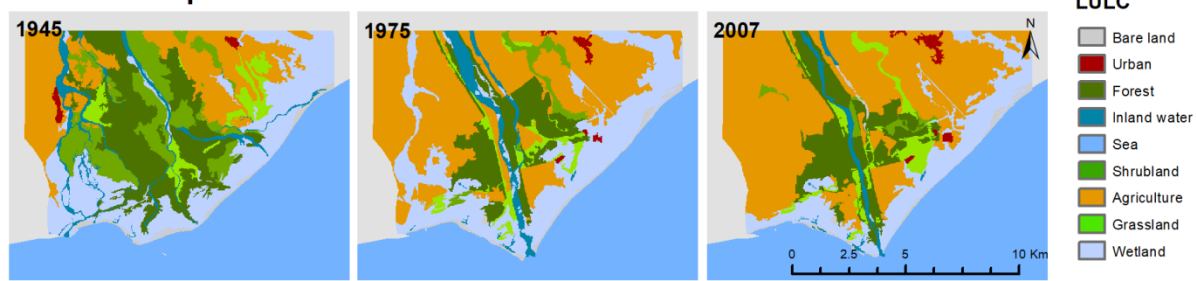


Transition matrix

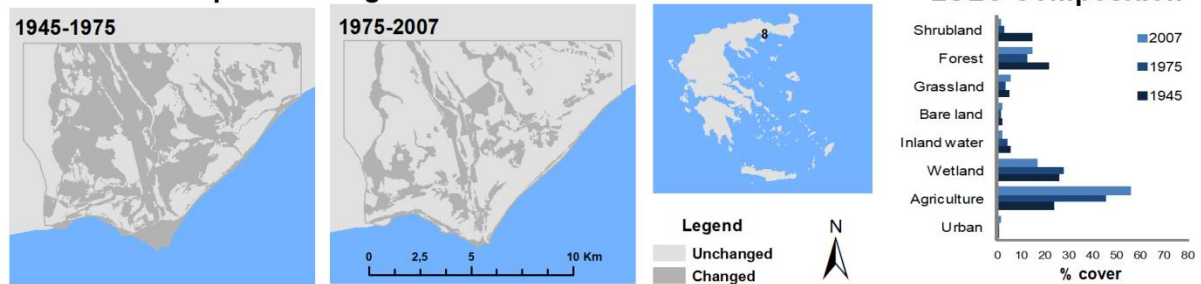
Louros 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.91	0.01	0.90	0.02	0.92	0.44
	1.29	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00		0.30	0.06	0.24	0.12	0.36	1.29
Agriculture	0.31	27.57	0.20	0.00	0.00	0.02	0.16	0.00	0.27	28.54	12.15	0.97	11.18	1.94	13.12	27.57
	0.09	37.72	0.59	1.14	0.00	0.01	0.04	0.01	0.13		4.60	2.00	2.60	4.01	6.61	37.72
Wetland	0.00	3.44	33.42	1.72	0.00	0.00	0.00	0.01	0.05	38.64	0.91	5.22	4.31	1.81	6.13	33.42
	0.00	1.63	32.02	0.40	0.00	0.00	0.25	0.03	0.00		0.76	2.31	1.56	1.51	3.07	32.02
Inland water	0.00	0.70	0.06	13.96	0.00	0.00	0.00	0.00	0.00	14.71	1.72	0.76	0.97	1.51	2.48	13.96
	0.00	0.00	0.01	15.67	0.00	0.00	0.00	0.00	0.00		1.53	0.01	1.53	0.01	1.54	15.67
Bare land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.50	3.12	0.00	0.00	0.00	3.16	0.00	0.00	0.27	7.05	0.05	3.89	3.84	0.10	3.94	3.16
	0.15	2.14	0.06	0.00	0.00	0.78	0.06	0.00	0.02		0.62	2.43	1.81	1.25	3.06	0.78
Forest	0.00	0.57	0.44	0.00	0.00	0.00	0.54	0.00	0.10	1.66	0.74	1.12	0.38	1.48	1.86	0.54
	0.00	0.33	0.00	0.00	0.00	0.00	0.95	0.00	0.00		0.42	0.33	0.09	0.67	0.76	0.95
Sea	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.03	0.02	0.01	0.03	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00		0.04	0.00	0.04	0.00	0.04	0.01
Shrubland	0.09	4.30	0.19	0.00	0.00	0.03	0.58	0.00	3.73	8.92	0.70	5.19	4.49	1.40	5.89	3.73
	0.05	0.46	0.10	0.00	0.00	0.61	0.07	0.00	3.14		0.15	1.28	1.13	0.30	1.43	3.14
Total 1975	1.35	39.72	34.33	15.68	0.00	3.21	1.29	0.01	4.43							82.82
Total 2007	1.59	42.32	32.77	17.20	0.00	1.40	1.38	0.05	3.29							91.57

8 Nestos

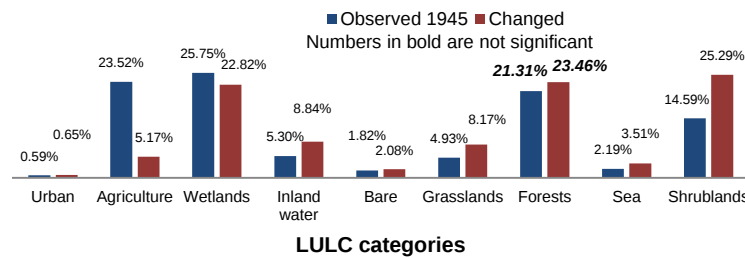
Thematic maps



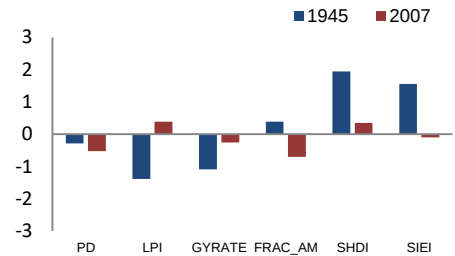
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

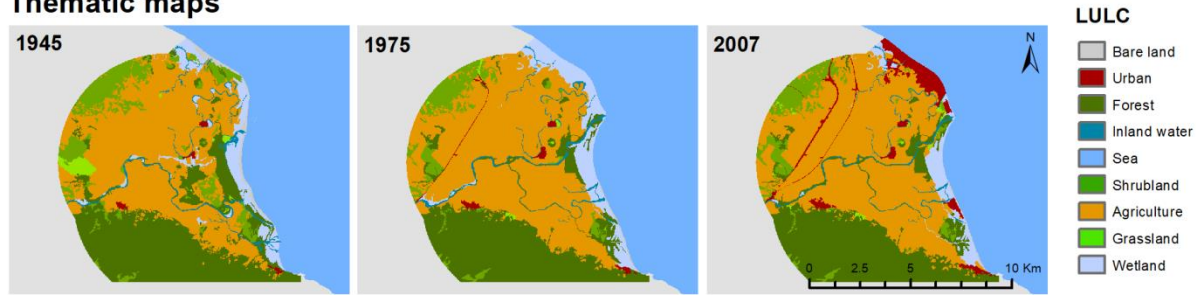


Transition matrix

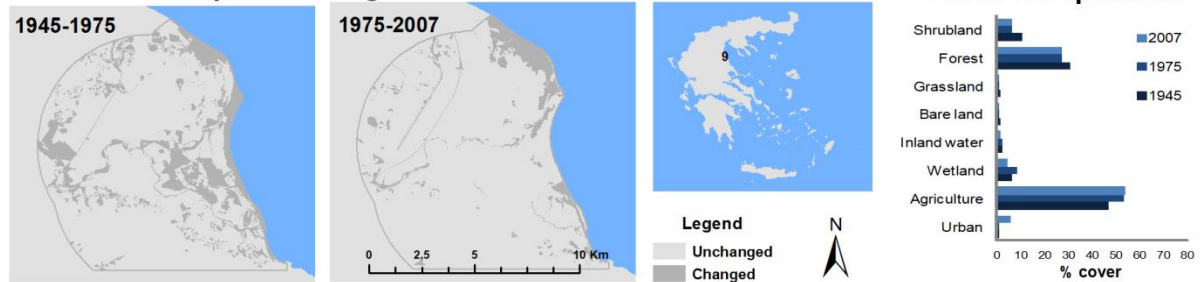
Nestos 1945-1975 1975-2007		Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	1945-1975	0.22	0.22	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.54	0.37	0.17	0.74	0.91	0.22
	1975-2007	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.00	0.35	0.00	0.35	0.76
Agriculture	1945-1975	0.22	20.26	0.54	0.23	0.00	0.33	0.57	0.00	1.37	23.53	24.93	3.27	21.66	6.53	28.19	20.26
	1975-2007	0.27	42.60	0.46	0.00	0.00	0.69	1.16	0.00	0.01		12.43	2.58	9.85	5.17	15.01	42.60
Wetland	1945-1975	0.09	4.72	18.17	0.55	0.36	0.74	0.59	0.22	0.29	25.74	9.84	7.57	2.28	15.13	17.41	18.17
	1975-2007	0.08	8.25	16.01	0.27	0.31	1.16	1.43	0.20	0.29		0.98	12.00	11.02	1.97	12.99	16.01
Inland water	1945-1975	0.07	1.02	2.70	0.75	0.03	0.48	0.19	0.06	0.01	5.30	3.69	4.56	0.87	7.37	8.24	0.75
	1975-2007	0.00	0.03	0.10	2.06	0.32	0.14	1.76	0.01	0.01		0.30	2.38	2.08	0.59	2.67	2.06
Bare land	1945-1975	0.00	0.00	0.61	0.02	0.80	0.08	0.00	0.31	0.00	1.82	1.01	1.02	0.01	2.01	2.02	0.80
	1975-2007	0.00	0.00	0.12	0.02	1.12	0.00	0.00	0.54	0.00		0.70	0.68	0.02	1.37	1.39	1.12
Grassland	1945-1975	0.03	3.89	0.32	0.01	0.00	0.12	0.30	0.00	0.25	4.93	3.60	4.80	1.21	7.20	8.40	0.12
	1975-2007	0.00	0.62	0.00	0.00	0.00	1.79	1.21	0.00	0.09		3.48	1.93	1.56	3.85	5.41	1.79
Forest	1945-1975	0.05	7.64	2.91	2.15	0.00	1.15	7.33	0.00	0.08	21.32	5.45	13.98	8.53	10.91	19.44	7.33
	1975-2007	0.00	2.47	0.13	0.00	0.00	0.19	9.15	0.00	0.85		5.61	3.64	1.97	7.28	9.25	9.15
Sea	1945-1975	0.00	0.00	1.10	0.40	0.62	0.00	0.00	0.06	0.00	2.19	0.59	2.13	1.54	1.18	2.72	0.06
	1975-2007	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.59	0.00		0.75	0.07	0.68	0.13	0.81	0.59
Shrubland	1945-1975	0.08	7.43	1.50	0.33	0.00	0.81	3.80	0.00	0.65	14.60	1.99	13.95	11.96	3.99	15.95	0.65
	1975-2007	0.00	1.05	0.16	0.00	0.00	1.30	0.05	0.00	0.08		1.24	2.56	1.32	2.48	3.80	0.08
Total 1975		0.76	45.19	28.01	4.43	1.80	3.72	12.79	0.65	2.64						48.36	
Total 2007		1.11	55.03	16.99	2.35	1.82	5.28	14.76	1.33	1.32						74.16	

9 Pineios

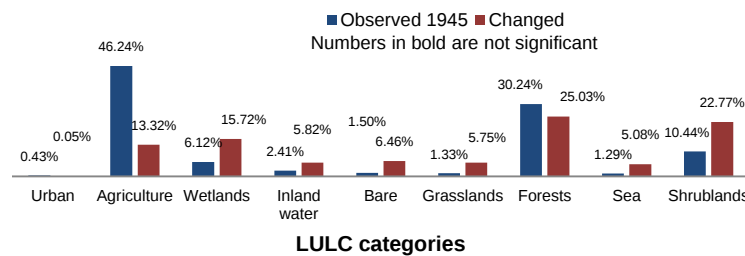
Thematic maps



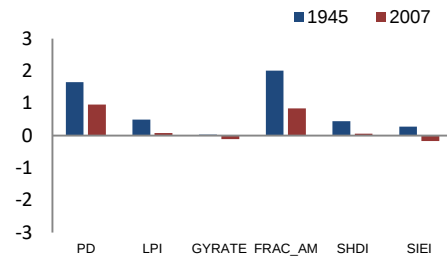
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

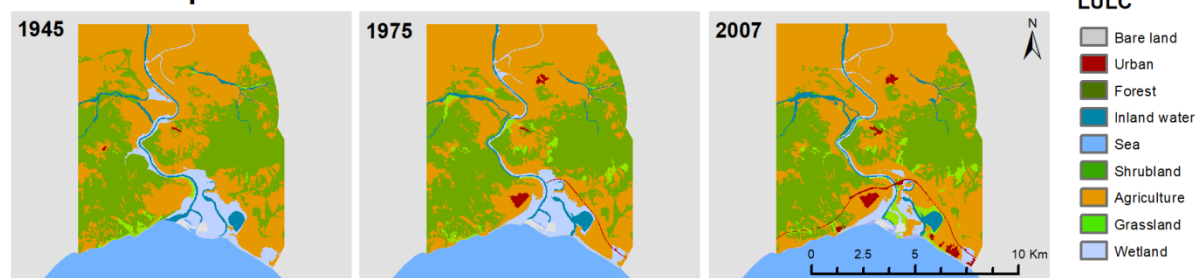


Transition matrix

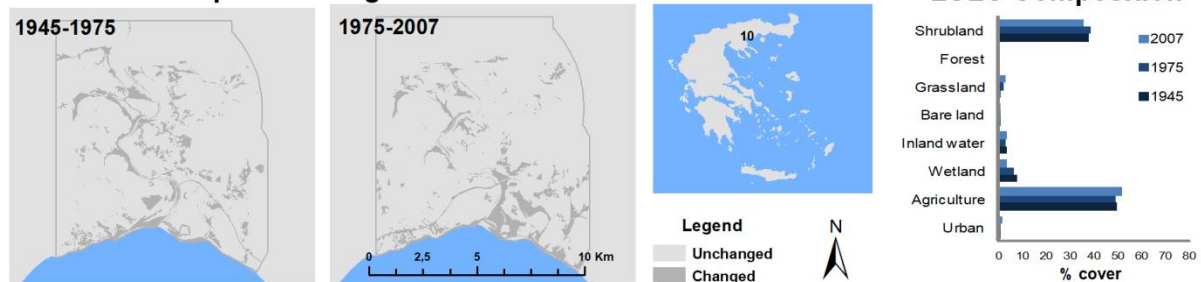
Pineios 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	loss	gain	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.40	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.43	0.56	0.03	0.54	0.06	0.59	0.40
	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		4.33	0.00	4.33	0.00	4.34	0.96
Agriculture	0.42	43.97	0.52	0.23	0.00	0.13	0.66	0.00	0.36	46.29	9.51	2.32	7.19	4.63	11.82	43.97
	1.17	51.56	0.07	0.02	0.00	0.09	0.16	0.00	0.41		1.91	1.92	0.01	3.81	3.82	51.56
Wetland	0.03	0.82	4.23	0.30	0.05	0.06	0.51	0.07	0.05	6.13	4.20	1.90	2.30	3.79	6.09	4.23
	2.80	0.95	3.77	0.04	0.07	0.16	0.26	0.15	0.22		0.46	4.66	4.20	0.92	5.12	3.77
Inland water	0.00	0.31	0.33	1.20	0.01	0.00	0.52	0.04	0.00	2.41	0.97	1.21	0.24	1.94	2.18	1.20
	0.16	0.04	0.05	1.67	0.00	0.00	0.25	0.00	0.00		0.12	0.49	0.38	0.24	0.61	1.67
Bare land	0.00	0.06	1.06	0.11	0.02	0.00	0.12	0.13	0.00	1.50	0.26	1.47	1.21	0.53	1.74	0.02
	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.15	0.00		0.09	0.15	0.06	0.18	0.24	0.14
Grassland	0.00	0.63	0.00	0.01	0.00	0.00	0.15	0.00	0.55	1.34	0.30	1.34	1.03	0.61	1.64	0.00
	0.08	0.01	0.00	0.00	0.00	0.18	0.00	0.00	0.04		0.26	0.13	0.14	0.25	0.39	0.18
Forest	0.07	4.14	0.49	0.21	0.02	0.02	24.86	0.02	0.36	30.19	2.74	5.33	2.59	5.48	8.06	24.86
	0.09	0.40	0.34	0.07	0.01	0.00	26.52	0.00	0.16		0.80	1.08	0.28	1.60	1.88	26.52
Sea	0.00	0.00	0.87	0.09	0.18	0.00	0.14	0.00	0.00	1.29	0.26	1.29	1.03	0.52	1.55	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00		0.30	0.00	0.30	0.00	0.30	0.26
Shrubland	0.05	3.54	0.93	0.02	0.00	0.09	0.62	0.00	5.20	10.44	1.31	5.25	3.93	2.63	6.56	5.20
	0.04	0.51	0.00	0.00	0.00	0.02	0.12	0.00	5.83		0.84	0.69	0.16	1.37	1.53	5.83
Total 1975	0.96	53.48	8.43	2.17	0.29	0.30	27.60	0.26	6.51						79.88	
Total 2007	5.29	53.47	4.23	1.79	0.23	0.44	27.32	0.56	6.67						90.89	

10 Strymonas

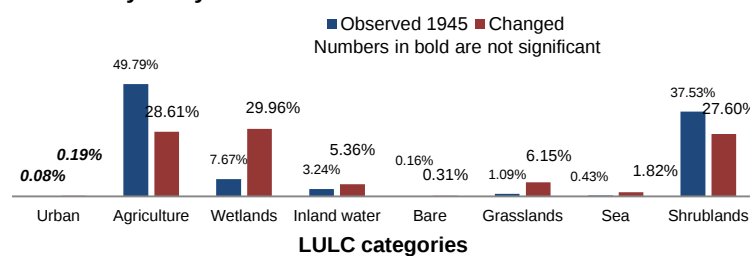
Thematic maps



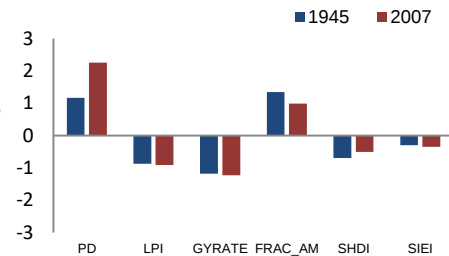
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics

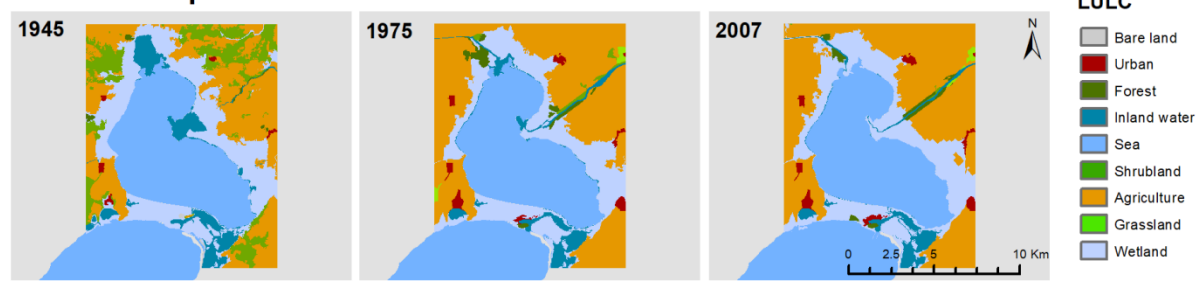


Transition matrix

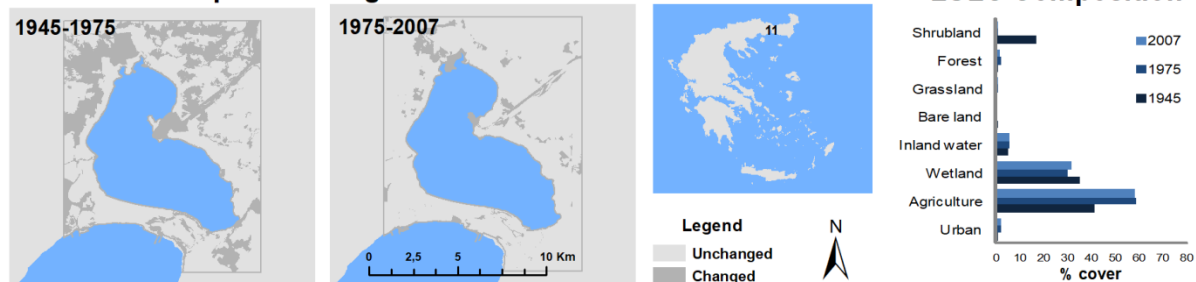
Strymonas 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.08	0.75	0.03	0.72	0.06	0.78	0.05
Agriculture	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.76	0.94	0.00	0.93	0.00	0.94	0.79
Wetland	0.65	45.89	0.25	0.16	0.00	1.06	0.00	0.00	1.74	7.66	3.18	3.87	0.70	6.36	7.05	45.89
Inland water	0.68	47.12	0.10	0.09	0.01	0.14	0.00	0.00	0.94	3.24	4.87	1.95	2.92	3.90	6.83	47.12
Bare land	0.08	0.52	5.43	0.23	0.12	0.10	0.00	0.13	1.05	0.16	0.91	2.24	1.32	1.83	3.15	5.43
Grassland	0.09	1.53	3.21	0.05	0.06	1.28	0.00	0.12	0.00	1.09	0.42	3.13	2.71	0.85	3.56	3.21
Forest	0.00	0.15	0.45	2.29	0.01	0.09	0.00	0.01	0.25	0.00	0.49	0.95	0.46	0.99	1.44	2.29
Sea	0.00	0.00	0.14	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.16	0.47	0.31	0.78	2.62
Shrubland	0.00	0.01	0.00	0.00	0.10	0.00	0.00	0.05	0.00	0.16	0.24	0.07	0.17	0.13	0.31	0.10
Total 1975	0.00	0.01	0.01	0.00	0.19	0.02	0.00	0.10	0.00	0.43	0.20	0.14	0.06	0.29	0.35	0.19
Total 2007	0.00	0.77	0.00	0.00	0.02	0.20	0.00	0.00	0.10	37.58	1.81	0.90	0.91	1.79	2.70	0.20
	0.01	0.57	0.01	0.23	0.00	0.91	0.00	0.00	0.28	0.00	1.97	1.10	0.87	2.19	3.07	0.91
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.01	0.20	0.00	0.10	0.00	0.00	0.12	0.00	0.43	0.19	0.31	0.13	0.37	0.50	0.12
	0.00	0.00	0.03	0.00	0.12	0.01	0.00	0.14	0.00	0.43	0.22	0.16	0.06	0.33	0.38	0.14
	0.01	1.72	0.01	0.10	0.00	0.52	0.00	0.00	35.23	37.58	3.15	2.35	0.80	4.70	5.50	35.23
	0.15	2.75	0.13	0.26	0.01	0.53	0.00	0.00	34.56	37.58	1.22	3.82	2.60	2.44	5.04	34.56
	0.79	49.07	6.34	2.78	0.34	2.00	0.00	0.30	38.38	89.29						
	1.73	51.99	3.63	3.25	0.39	2.88	0.00	0.36	35.78	89.53						

11 Vistonida

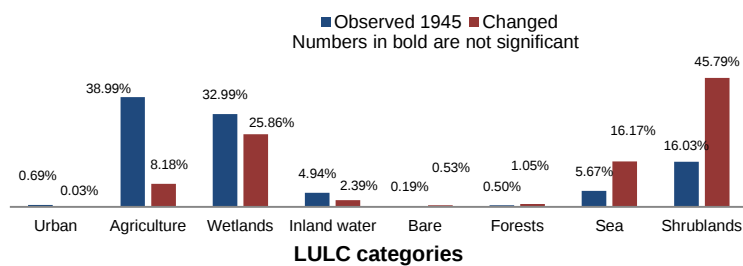
Thematic maps



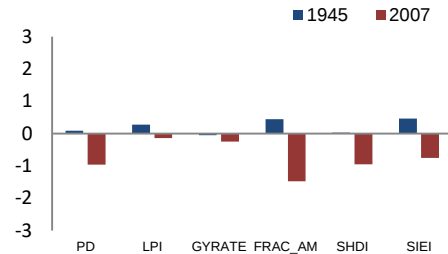
Thematic and Spatial Changes



Selectivity analysis



Landscape metrics



Transition matrix

Vistonida 1945-1975 1975-2007	Urban	Agriculture	Wetland	Inland water	Bare land	Grassland	Forest	Sea	Shrubland	Total 1945	gain	loss	abs net change (D)	swap (S)	total change (C)	persistence
Urban	0.67	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.43	0.01	1.41	0.03	1.44	0.67
	2.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00		0.23	0.03	0.20	0.06	0.26	2.07
Agriculture	0.55	36.49	0.88	0.50	0.00	0.04	0.27	0.00	0.34	39.08	20.96	2.59	18.38	5.17	23.55	36.49
	0.05	55.93	1.32	0.04	0.00	0.00	0.11	0.00	0.01		2.35	1.53	0.82	3.05	3.87	55.93
Wetland	0.61	6.15	23.84	0.43	0.00	0.21	1.19	0.30	0.16	32.89	5.89	9.05	3.16	11.78	14.94	23.84
	0.18	1.25	27.52	0.36	0.00	0.00	0.36	0.06	0.00		3.81	2.21	1.60	4.42	6.02	27.52
Inland water	0.01	0.07	0.89	3.94	0.00	0.00	0.01	0.00	0.02	4.94	1.49	1.00	0.49	2.01	2.49	3.94
	0.00	0.02	0.19	5.02	0.00	0.10	0.04	0.00	0.05		0.53	0.41	0.12	0.81	0.94	5.02
Bare land	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.19	0.00	0.19	0.19	0.00	0.19	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.60	0.00
	0.00	0.28	0.00	0.00	0.00	0.32	0.00	0.00	0.00		0.13	0.28	0.15	0.25	0.41	0.32
Forest	0.00	0.28	0.00	0.07	0.00	0.00	0.03	0.00	0.13	0.51	2.01	0.48	1.53	0.95	2.49	0.03
	0.00	0.46	0.84	0.01	0.00	0.00	0.73	0.00	0.00		1.01	1.31	0.30	2.03	2.32	0.73
Sea	0.00	0.00	3.53	0.39	0.00	0.00	0.35	1.39	0.00	5.67	0.33	4.28	3.95	0.66	4.61	1.39
	0.00	0.00	1.43	0.09	0.00	0.00	0.00	0.19	0.00		0.06	1.53	1.47	0.12	1.59	0.19
Shrubland	0.26	14.45	0.43	0.10	0.00	0.34	0.18	0.00	0.28	16.04	0.65	15.77	15.12	1.30	16.42	0.28
	0.00	0.32	0.00	0.02	0.00	0.03	0.51	0.00	0.05		0.06	0.88	0.82	0.12	0.94	0.05
Total 1975	2.10	57.46	29.73	5.42	0.00	0.60	2.04	1.72	0.93							66.64
Total 2007	2.30	58.27	31.33	5.55	0.00	0.44	1.74	0.26	0.11							91.82

