

Supplementary Materials: Anthropogenic Influences in Land Use/Land Cover Changes in Mediterranean Forest Landscapes in Sicily. *Land* 2016, 5, 3.

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Table S1. Matrix of Land Use (LU) changes from 1955 to 1968 for Etna study area.

		Land Use 1968 (ha)					
		321	323	311	312	Coniferous plantations	Total 1955 (ha)
Land Use 1955 (ha)	321	89.93	0	10.65	0	35.12	135.70
	323	0	0	98.24	0	0	98.24
	311	0	0	86.13	0	0	86.13
	312	0	0	0	73.96	0	73.96
	Coniferous plantations	0	0	0	0	27.66	27.66
	Total 1968 (ha)	89.93	0.00	195.02	73.96	62.78	

Table S2. Matrix of Land Use (LU) changes from 1968 to 1988 for Etna study area.

		Land Use 1988 (ha)							Total 1968 (ha)
		321	Supramediterranean Shrubland (323)	Beech Forest (311)	Holm Oak Forest (311)	Downy Oak Forest (311)	Corsican Pine Forest (312)	Coniferous Plantations	
Land Use 1968 (ha)	321	11.98	0	0	0	0	0	77.28	89.26
	323	0	0	0	0	0	0	0	0.00
	311	0	0	8.61	136.19	50.22	0	0	195.02
	312	0	0	0	0	0	73.96	0	73.96
	Coniferous plantations	0	0	0	0	0	0	62.78	62.78
	Total 1988 (ha)	11.98	0.00	8.61	136.19	50.22	73.96	140.06	

Table S3. Matrix of Land Use (LU) changes from 1988 to 2012 for Etna study area.

		Land Use 2012 (ha)								Total 1988 (ha)
		321	Supramediterranean Shrubland (323)	Pioneer Vegetation (311)	Beech Forest (311)	Holm Oak Forest (311)	Downy Oak Forest (311)	Corsican Pine Forest (312)	Coniferous Plantations	
Land Use 1988 (ha)	321	2.55	2.54	2.96	0	3.32	0.61	0	0	11.98
	Supramediterranean shrubland (323)	0	0	0	0	0	0	0	0	0.00
	Pioneer vegetation (311)	0	0	0	0	0	0	0	0	0.00
	Beech forest (311)	0	0	0	8.61	0	0	0	0	8.61
	Holm oak forest (311)	0	0	0	0	117.34	17.81	0	0	135.15
	Downy oak forest (311)	0	0	0.67	0	20.34	29.88	0	0	50.89
	Corsican pine forest (312)	0	0	0	0	0	0	73.96	0	73.96
	Coniferous plantations	0	0	0	0	0	0	0	141.10	141.10
	Total 2012 (ha)	2.55	2.54	3.63	8.61	141.00	48.30	73.96	141.10	

Table S4. Matrix of Land Use (LU) changes from 1988 to 2012 for Etna study area.

		Land Use 2012 (ha)								Total 1955 (ha)
		321	Supramediterranean Shrubland (323)	Pioneer Vegetation (311)	Beech Forest (311)	Holm Oak Forest (311)	Downy Oak Forest (311)	Corsican Pine (312)	Coniferous Plantations	
Land Use 1955 (ha)	321	2.55	2.54	3.63	0	11.38	3.20	0	113.44	136.74
	311	0	0	0	8.61	41.18	35.30	0	0	85.09
	312	0	0	0	0	0	0	73.96	0	73.96
	Coniferous plantations	0	0	0	0	0	0	0	27.66	27.66
	323	0	0	0	88.44	0	9.80	0	0	98.24
	Total 2012 (ha)	2.55	2.54	3.63	97.05	52.56	48.30	73.96	141.10	

Table S5. Matrix of Land Use (LU) changes from 1955 to 1968 for Sicani-CS study area.

		Land Use 1968 (ha)					Total 1955 (ha)
		321	323	311	312	Coniferous Plantations	
Land Use 1955 (ha)	321	0	11.41	0.24	2.21	120.01	133.87
	323	0	22.11	1.77	0	78.54	102.42
	311	0	0	10.43	0	0	10.43
	312	0	0	0	0	0	0.00
	Coniferous plantations	0	0	0	0	14.46	14.46
	Total 1968 (ha)	0.00	33.52	12.44	2.21	213.01	

Table S6. Matrix of Land Use (LU) changes from 1968 to 1988 for Sicani-CS study area.

		Land Use 1988 (ha)					Total 1968 (ha)
		321	Mediterranean Shrubland (323)	Holm Oak Forest (311)	312	Coniferous Plantations	
Land Use 1968 (ha)	321	0	0	0	0	0	0
	323	11.51	1.24	0	0	20.77	33.52
	311	0	8.07	4.37	0	0	12.44
	312	0	0	0	0	0	0
	Coniferous plantations	0	0	0	0	215.22	215.22
	Total 1988 (ha)	11.51	9.31	4.37	0	235.99	

Table S7. Matrix of Land Use (LU) changes from 1988 to 2012 for Sicani-CS study area.

		Land Use 2012 (ha)					Total 1988 (ha)
		321	Mediterranean Shrubland (323)	Holm Oak Forest (311)	312	Coniferous Plantations	
Land Use 1988 (ha)	321	8.86	0	1.12	0	3.74	13.72
	Mediterranean shrubland (323)	0	0	8.07	0	1.24	9.31
	Holm oak forest (311)	0	0	4.37	0	0	4.37
	312	0	0	0	0	0	0
	Coniferous plantations	0	0	0	0	233.78	233.78
	Total 2012 (ha)	8.86	0.00	13.56	0	238.76	

Table S8. Matrix of Land Use (LU) changes from 1955 to 2012 for Sicani-CS study area.

		Land Use 2012 (ha)					Total 1955 (ha)
		321	Mediterranean Shrubland (323)	Holm Oak Forest (311)	312	Coniferous Plantations	
Land Use 1955 (ha)	321	5.23	0	0.24	0	128.40	133.87
	323	3.63	0	2.89	0	95.90	102.42
	311	0	0	10.43	0	0	10.43
	312	0	0	0	0	0	0
	Coniferous plantations	0	0	0	0	14.46	14.46
	Total 2012 (ha)	8.86	0	13.56	0	238.76	

Table S9. Land Cover (LC) change classes from 1955 to 2012 of the study areas.

Study Area	Land Cover (LC) Changes									
	Unvaried		Less Significant		Increase		Decrease		Total	
	ha	%	ha	%	ha	%	ha	%	ha	%
Etna	45.38	10.76	5.50	1.30	369.57	87.64	1.24	0.29	421.69	100.00
Calatino	187.06	44.40	0	0	130.59	31.00	103.66	24.60	421.31	100.00
Madonie	193.85	36.80	19.84	3.77	309.63	58.78	3.46	0.66	526.78	100.00
Nebrodi	175.76	40.24	78.97	18.08	165.41	37.87	16.65	3.81	436.79	100.00
Pantelleria	8.26	3.54	0	0	224.96	96.46	0	0	233.22	100.00
Sicani-CS	20.28	7.76	3.63	1.39	237.27	90.85	0	0	261.18	100.00
Sicani-PA	87.97	27.69	8.16	2.57	207.85	65.43	13.71	4.32	317.69	100.00