

Supplementary material

Table S1. Variables used to classify municipalities in social-ecological sectors. To develop a socioecological characterization of the study area, socioeconomic data together with land use/land cover data of the municipalities (Table S1) were analyzed. A Principal Component Analysis (PCA) (Table S2) and an agglomerative Hierarchical Clustering Analysis (Euclidean distance, Ward method) (Figure S1) allowed the identification of three homogeneous groups of municipalities (level of confidence 95%) regarding the association of their relevant socioeconomic and natural capital features. We called this three group of municipalities: Socioecological Sectors (Table S3).

Type	Variable	Year	Unit
Demographics	Population density	2011	inhabitant/Km ²
	% population under 20 years old	2011	%
	% population upper 65 years old	2011	%
	University students	2001	%
Economics	Average declared rent	2010	€/inhabitant
	Hotel places	2010	Nº
	Touristic country house places	2010	Nº
	Working ADSL lines	2008	Nº lines/inhabitant
Jobs	Occupied in primary sector	2001	%
	Occupied in tertiary sector	2001	%
Environmental	Urban solid waste	2008	ton/year/ha
	Red Natura territory	2010	% in Red Natura
Land use	Woody dry cultures	2007	ha and ha/ha municipality
	Natural and forest surfaces	2007	ha and ha/ha municipality
Livestock raising	% exploitations in farming and livestock raising	2009	%
	% exploitations only in farming	2009	%
	% Organic exploitations	2009	%

Table S2. Loadings of the 9 first axis of the PCA performed to the socioecological descriptors in order to classify the municipalities into socioecological sectors

	F1	F2	F3	F4	F5	F6	F7	F8	F9
% exploitations in farming and livestock raising	0.688	0.573	0.222	-0.282	0.067	0.230	0.076	-0.005	-0.040
% exploitations only in farming	-0.697	-0.543	-0.205	0.350	-0.093	-0.204	-0.046	0.010	0.029
% of university students	-0.599	0.546	-0.333	0.367	0.213	-0.041	0.186	-0.049	-0.061
% Organic exploitations	0.612	0.566	0.379	-0.131	-0.002	-0.209	0.299	0.085	0.019
% Red Natura territory	0.854	0.367	-0.026	0.249	-0.052	-0.196	-0.102	0.133	0.015
% Occupied in primary sector	0.312	-0.696	0.094	-0.137	0.599	-0.112	-0.066	0.109	-0.004
% Occupied in tertiary sector	-0.327	0.753	-0.454	-0.190	-0.188	-0.102	0.044	0.103	0.094
Population density (inhab/km ²)	-0.796	0.546	-0.107	-0.098	0.174	-0.069	0.036	-0.034	-0.071
Woody dry cultures (Has/Has municipality)	-0.799	-0.445	-0.013	-0.359	-0.074	-0.135	0.030	0.011	0.012
Working ADSL lines (N° Lines/Inhab)	-0.058	0.173	0.957	0.126	-0.081	-0.142	0.033	-0.071	-0.022
Average declared rent (€/Inhab)	-0.261	0.879	-0.112	0.188	0.197	0.138	-0.119	0.081	0.168
Hotel places/ha	-0.713	0.607	0.184	-0.059	-0.083	0.016	-0.243	0.023	-0.122
Touristic country house places/ha	0.772	0.404	-0.275	-0.262	-0.036	-0.177	-0.225	0.015	-0.096
% population upper 65 years old	0.468	-0.324	-0.777	0.076	-0.094	0.073	0.151	0.098	-0.133
% population under 20 years old	-0.749	-0.168	0.528	0.147	-0.077	0.136	0.023	0.275	-0.088
Urban solid waste (ton/year/ha)	-0.794	0.550	-0.104	-0.096	0.174	-0.073	0.032	-0.039	-0.073
Natural and forest surfaces (Has/Has municipality)	0.834	0.310	0.082	0.426	0.040	-0.007	-0.047	-0.062	-0.073

Figure S1. Dendrogram of the Hierarchical Clustering Analysis to classify municipalities into social-ecological sectors

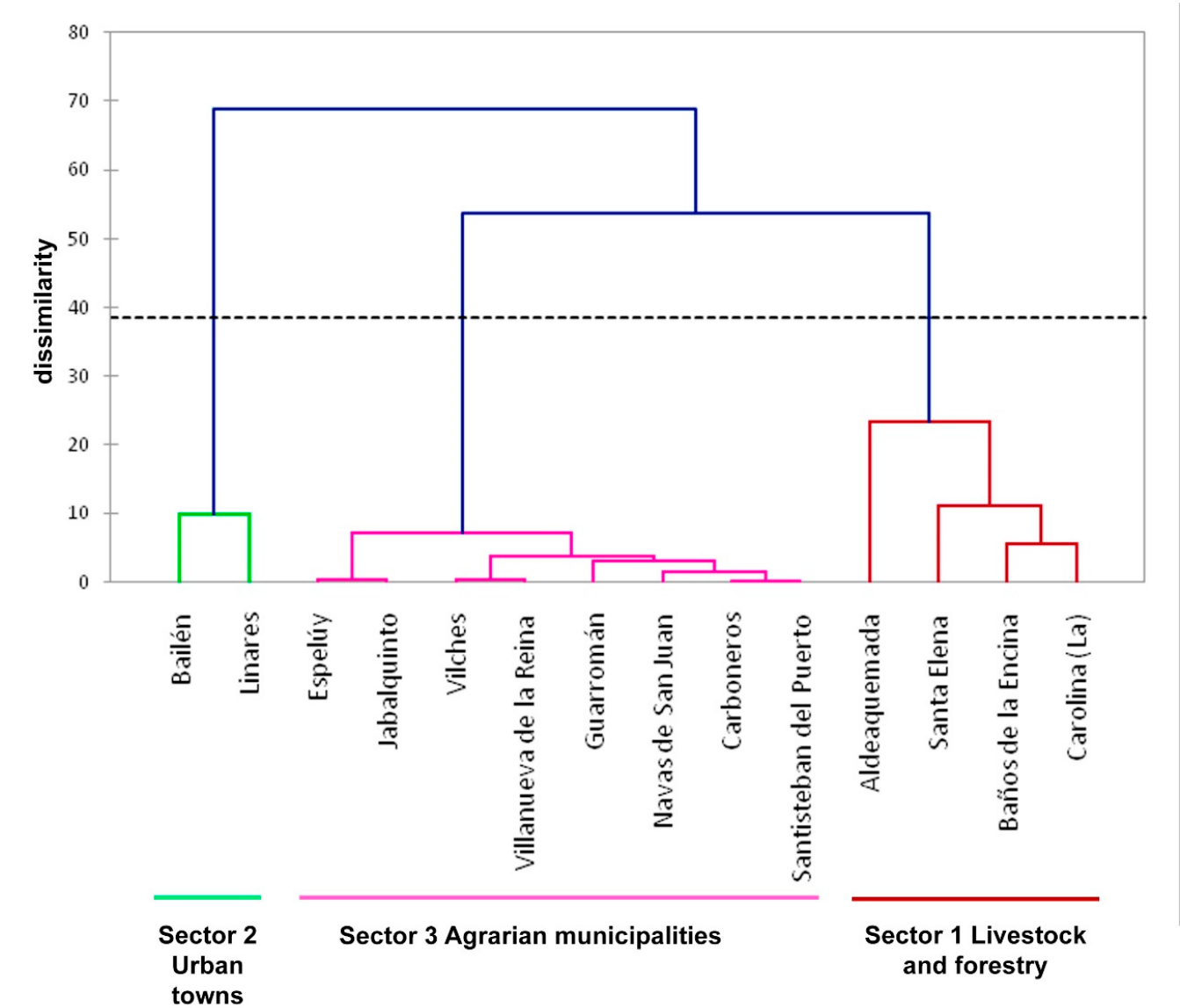


Table S3. Characterization of social-ecological sectors: relevant biophysical and social descriptors with high levels in each sector.

Socioecological Sectors	Municipalities	Descriptors of Sectors
1. Livestock and forestry municipalities	Aldeaquemada, Santa Elena, Baños de la Encina La Carolina	% Forest and natural areas % surface in Natura2000 network % livestock farms % Organic farms Number rural tourists per year/ha
2. Urban municipalities	Bailén Linares	Population density % employment in tertiary sector Hotel rooms occupied per year % of graduated/ha Olive groves none irrigated % agricultural farms
3. Agrarian municipalities	Espelúy Jabalquinto, Vilches, Villanueva de la Reina, Guarromán, Navas de San Juan, Carboneros Santisteban del Puerto	% primary sector employment Olive groves none irrigated % agricultural farms Less% employment in tertiary sector

Table S4. variables used to define stakeholder clusters.

Type	Factor	Levels
Motivations	Scenic Beauty	Yes/no
	Subsistence	Yes/no
	Familiarity	Yes/no
	Cultural/patrimonial value	Yes/no
	Ecological value	Yes/no
	Sense of place	Yes/no
Social-ecological sector	Livestock and forestry municipalities, urban municipalities, agrarian municipalities	
Socio-cultural variables	Rural/urban feeling	
	Agri-environmental association	Yes/no
	Natural areas visitor	Yes/no
	Environmental magazines reader	Yes/no
	Organic food consumer	Yes/no
	Age	Numeric
	Gender	Male/female
	Study level	Non formal studies, basic studies, medium studies, Graduated
	Environmentally trained	Yes/no
	Farming/livestock rising related	Yes/no
	Job	Multiple responses

Table S5. Descriptors of the experts interviewed.

Case ID	Adscription	Area	Scale of Influence	Knowledge System	Snowball Sampling
01 Aldea	NGO	Forestry	Local	local	no
02 Aldea	Technical	Forestry, rural development, economic activities	Local	local / traditional	yes
03 Aldea	Enterprises	Education, art	Local	local	yes
04 Linares	Administration	Farming, livestock raising	Regional	local / traditional	no
05 Isabela	Enterprises	***	Local	local	no
06 Isabela	Enterprises	Farming, livestock raising	Local	local / traditional	yes
07 Linares	Enterprises/association	Farming, livestock raising	Local	local / traditional	yes
08 Guarro-Linares	Enterprises/association	Farming, livestock raising	Local	local / traditional	yes
09 Elena	Enterprises	Hunting	Local	local / traditional	yes
10 Vilches	Enterprises/cooperative	Farming	Local	local / traditional	no
11 Carolina	Enterprises	Forestry, hunting	Local	local / traditional	yes
11 Carolina	Private	Livestock raising	Local	local / traditional	yes
12 Linares	Administration	Art and culture	local	local / traditional	no
13 Bailén	Private	Cooperative farming	Local	local / traditional	no
14 Andujar	Civil NGO	Biodiversity	Regional	scientific / academic	yes
15 Navas	Privates	Livestock raising	Local	local / traditional	yes
16 Carolina	Administration/Privates	Farming/education	Local	local / traditional	yes
17 Úbeda	Private/association	Farming/education	Local	local / traditional	yes
18 Santisteban	Administration	Rural development, economic activities	Local	local / traditional	yes
19 Santisteban	Association	Farming, livestock raising	Local	local / traditional	yes
20 Linares	Association/NGO	Agriculture, livestock raising	Regional	local / traditional	yes
21 Baños	Privates	Art and culture	Local	local / traditional	no
22 Baños	Privates	Culture/ tourism	Regional	local / traditional	yes

23 Carolina	Privates	Entrepreneur	Local	local / traditional	no
24 Andujar	Administration	Biodiversity conservation/ forestry	Local	local / traditional	yes
25 Beas	Privates	Farming, livestock raising	Regional	local / traditional	yes
26 Baños	Privates	Art and culture	Local	local / traditional	yes
27 Andujar	Administration	Biodiversity	Regional	scientific / academic	yes
28 Jaen	Administration	Forestry	Regional	local / traditional	yes
29 Madrid	Privates	Biodiversity	National	scientific / academic	yes
30 Carolina	Privates	Biodiversity	National	scientific / academic	yes
31 Jaen	Administration	Natural areas administrator	Regional	local / traditional	yes
32 Jaen	Administration	Natural areas administrator	Regional	local / traditional	yes



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

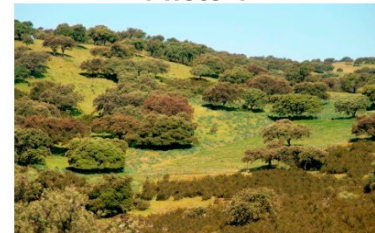


Photo 7



Photo 8



Photo 9



Photo 10

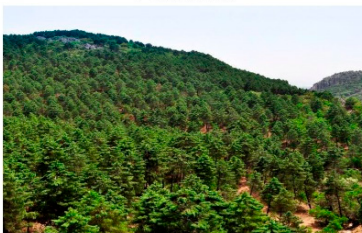


Photo 11

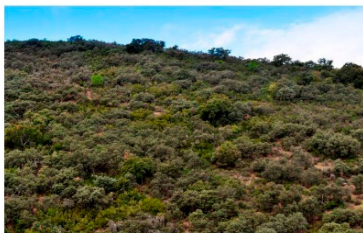


Photo 12



Photo 13

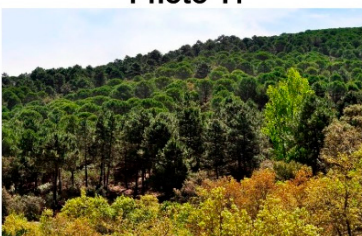


Photo 14

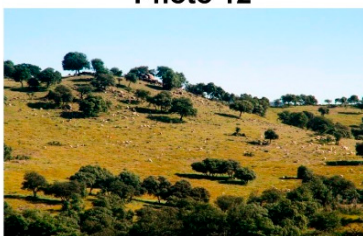


Photo 15

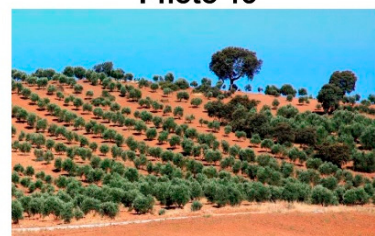


Photo 16

Figure S2. Photographs used for the preference ranking.

Table S6. Visual characteristics of the photographs used in preference ranking.

Landscape Typology	Visual Characteristics	Photography
Dehesa	Dry grass	1
Dehesa	Low tree cover	15
Dehesa	High tree cover	7
Dehesa	Presence of livestock	13
Dehesa	Presence of human structures	4
Mediterranean forest	Mediterranean woods	9
Mediterranean forest	Mediterranean shrub	12
Intensive olive	Homogeneous	16
Non-tillage olive	Homogeneous	5
Pine forest	Homogeneous	11
Pine forest	Heterogeneous	14
Mosaic	Intensive olive +Mediterranean forest + Presence of human structures	3
Mosaic	Intensive olive + Dehesa + Mediterranean forest	10
Mosaic	Dehesa + Mediterranean forest	6
Mosaic	Intensive olive + Mediterranean forest	8
Mosaic	Non tillage olive + Mediterranean forest	2

Table S7. Description of the ecosystem services analyzed in the study.

Service	Description
Food from agriculture	Products derived from the olive grove
Livestock grazing	Pastures and feeding areas for livestock which allow to obtain derived products of livestock.
Wild food	Derived from uncultivated ecosystems that are consumed by humans for various purposes products. Medicinal resources, fruits, mushrooms, tubers ...
Raw materials	Materials from nature to produce consumer goods. Wood, cork, pulp, textile fiber, timber, fuel...
Fire control	Capacity of ecosystems to reduce the effects of fires, prevent its expansion and encourage regeneration.
Fertile soil and erosion control	Ability of vegetation to trap soil particles carried in the air or water, controlling erosion and desertification and allowing agricultural uses.
Water quality and regulation	Capacity of ecosystems to maintain water quality and their cycle.
Climate regulation	Capacity of ecosystems to absorb CO ₂ , regulate the hydric cycle, control temperatures
Pollination	Symbiosis of certain organisms resulting transport pollen or seeds and breeding. The pollinators and dispersers are essential for the maintenance of crops and wild vegetation.
Pest control by wild animals	Regulatory capacity of pests and disease vectors of humans, crops and livestock.
Scenic beauty	Ecosystem aesthetics value
Identity and traditional, local knowledge	Relationships of humans to ecosystems leading to an experiential knowledge based on practices, customs and beliefs, which are transmitted generationally.
Nature and rural tourism	Nature is a scenario for outdoor activities (bird watching, trekking, sports...) Provision of opportunities for tourism (eco-tourism, agro-tourism).
Hunting and fishing	Ecosystems are a scene of hunting and fishing activities.
Research and education	Ecosystems are a laboratory for experimentation and development of knowledge. They inform us on the functioning of ecological processes and their social function.

Table S8. Coordinates of RDA response variables (ranking values) and explanatory variables.

			F1	F2	F3	F4	F5	F6
Response variables	Ranking values	Photo 1	-0.106	-0.300	0.065	-0.013	0.041	-0.038
		Photo 2	-0.145	0.080	-0.262	0.048	0.101	0.101
		Photo 3	0.500	-0.011	0.100	-0.153	0.033	-0.105
		Photo 4	-0.111	-0.119	0.081	-0.152	0.108	0.059
		Photo 5	0.193	0.097	-0.215	-0.036	-0.117	-0.011
		Photo 6	-0.258	-0.057	0.004	0.012	-0.018	-0.095
		Photo 7	-0.129	-0.127	0.090	0.138	-0.089	0.060
		Photo 8	0.462	-0.001	0.061	0.165	0.169	0.048
		Photo 9	-0.109	-0.140	-0.088	0.129	-0.007	-0.169
		Photo 10	0.203	-0.016	-0.115	-0.040	-0.030	0.109
		Photo 11	-0.160	0.421	0.249	0.069	0.003	0.023
		Photo 12	-0.372	-0.144	0.005	0.018	0.081	0.038
		Photo 13	0.156	-0.042	0.061	0.085	-0.109	-0.006
		Photo 14	-0.205	0.381	-0.027	-0.057	-0.009	-0.024
		Photo 15	-0.049	-0.192	0.115	-0.057	-0.127	0.142
		Photo 16	0.346	-0.002	-0.001	0.085	-0.037	0.037
Explanatory variables	Motivations	Scenic beauty	-0.065	0.168	0.057	0.007	-0.062	0.011
		Subsistence	0.204	-0.084	-0.144	0.077	0.020	-0.002
		Ecological value	-0.237	-0.115	-0.052	0.027	-0.022	-0.059
	Social-ecological sectorization	Livestock and forestry	-0.016	-0.163	-0.136	-0.110	-0.048	0.013
		Urban municipalities	-0.013	0.220	0.040	0.159	0.066	0.012
		Agrarian municipalities	0.035	-0.062	0.120	-0.053	-0.020	-0.031
	Socio-cultural variables	Rural	0.016	-0.162	0.062	-0.007	0.066	0.075
		Urban	-0.016	0.162	-0.062	0.007	-0.066	-0.075
		Agri-environmental association	-0.032	-0.247	-0.032	-0.012	0.081	0.080
		Natural areas visitor	-0.144	-0.056	-0.070	0.029	0.010	0.014
		Adult	-0.076	0.003	0.025	0.086	0.016	-0.051
		Elderly adult	0.123	-0.017	-0.075	-0.103	0.050	0.085
		Young	-0.201	0.062	0.029	0.021	-0.041	0.019
		Elderly	0.237	-0.074	0.032	-0.007	-0.040	-0.080
		Male	0.005	-0.214	0.191	-0.003	0.059	-0.099
		Female	-0.005	0.214	-0.191	0.003	-0.059	0.099
		Basic studies	0.191	-0.145	0.077	0.024	-0.015	-0.038
		Medium studies	-0.097	0.111	-0.048	-0.054	0.075	0.052
		Non formal studies	0.106	-0.107	0.067	-0.033	-0.095	0.035
		University graduated	-0.133	0.074	-0.058	0.056	-0.017	-0.043

	Jobs	Environmentally trained	-0.122	-0.094	0.023	-0.024	0.105	-0.042
		Farming-agriculture related	-0.006	-0.100	0.013	-0.063	0.041	-0.037
		Farmers	0.053	-0.063	-0.044	-0.065	0.027	-0.044
		Livestock raisers	0.028	-0.160	0.004	0.037	-0.018	0.042
		Environmental/rural development	-0.060	-0.094	-0.129	0.037	0.003	-0.043
		Urban jobs	-0.034	0.177	0.081	0.014	-0.011	0.025

Table S9. Means of ecosystem services delivery scores for each landscape unit.

Food from Agriculture	Livestock /Grazing	Wild Food	Raw Materials	Fire Control	Fertile Soil and Erosion	Water quality and Quantity	Climate Regulation	Pollination	Pest control by Wild Animals	Scenic Beauty	Identity and Traditional Local Knowledge	Nature and Rural Tourism	Hunting and Fishing	Research and Education	
2.75	0.54	1.06	1.39	2.31	1.07	1.02	0.88	1.15	1.24	1.21	2.43	1.16	1.27	1.75	Conventional olive grove
2.5	0.16	0.22	1.56	2.88	0.16	0.13	1.03	0.5	0.41	0.78	1.53	0.94	1.09	1.22	Conventional olive grove experts
2.23	1.17	1.61	1.59	1.8	1.52	1.48	1.43	1.66	1.55	1.95	2.45	1.74	1.79	2.11	Mosaic
2.28	1.66	1.88	1.72	2.19	1.88	1.66	1.97	2.22	2.19	2.28	2.38	2.34	2.56	2.47	Mosaic experts
0.74	1.09	2.25	2.8	0.48	2.3	2.39	2.62	2.23	2.05	2.59	1.81	2.56	2.4	2.47	Pine plantations
0.09	0.78	2.16	2.81	0.38	2.41	2.53	2.63	1.78	1.56	2.06	1.75	2.41	1.78	2.03	Pine plantations experts
1.13	2.74	2.28	1.83	1.38	2.07	2.08	1.98	2.31	2.08	2.4	2.25	2.23	2.58	2.33	Dehesa
0.44	2.91	2.69	2.41	2.19	2.84	2.84	2.78	2.81	2.69	2.94	3	2.91	2.84	2.84	Dehesa experts
0.69	1.78	2.09	1.5	0.7	2.34	2.14	1.87	2.34	2.03	1.91	1.87	1.84	2.57	2.03	Mediterranean forest
0.16	1.47	2.31	1.69	0.88	2.97	2.91	2.63	2.91	2.69	2.63	2.63	2.69	2.88	2.59	Mediterranean forest experts
2.4	1.61	1.76	1.55	1.7	1.76	1.69	1.38	1.91	1.76	1.72	2.5	1.58	1.75	2.03	Non tillage olive grove
2.66	1.88	1.84	1.75	2.22	2.13	1.97	1.88	2.34	2.13	2.19	2.28	1.69	2.34	2.38	Non tillage olive grove experts

Table S10. Results of Kruskal-Wallis test performed for ecosystem services between landscape types

Service/Landscape	Dunn's Multiple Comparisons		Mean	Standard Deviation	
Food from agriculture/Conventional Olive grove		E	2.67	0.60	K = 649.23; p-value < 0.0001
Food from agriculture/Mosaic		C	2.17	0.72	
Food from agriculture/Pine forest	A		0.94	0.98	
Food from agriculture/Dehesa		B	1.33	1.05	
Food from agriculture/Mediterranean forest	A		0.86	0.93	
Food from agriculture/Non-tillage olive		D	2.39	0.76	
Livestock-grazing/Conventional olive grove	A		0.583	0.894	K=491.25; p-value<0.0001
Livestock-grazing/Mosaic		B	1.330	0.960	
Livestock-grazing/Pine forest		B	1.284	1.116	
Livestock-grazing/Dehesa			2.716	0.577	
Livestock-grazing/Mediterranean forest		D	1.883	1.045	
Livestock-grazing/Non-tillage olive		C	1.625	1.120	
Wild food/Conventional olive grove	A		1.080	1.052	K=291.63; p-value<0.0001
Wild food/Mosaic		B	1.765	0.930	
Wild food/Pine forest		C	2.322	0.880	
Wild food/Dehesa		C	2.394	0.782	
Wild food/Mediterranean forest		C	2.227	0.972	
Wild food/Non-tillage olive		B	1.780	0.930	
Raw materials/Conventional olive grove	A		1.402	1.049	K=328.88; p-value<0.0001
Raw materials/Mosaic		B	1.697	0.885	
Raw materials/Pine forest		B	2.795	0.541	
Raw materials/Dehesa		C	1.902	0.978	
Raw materials/Mediterranean forest		B	1.633	1.116	
Raw materials/Non-tillage olive	A		1.557	0.969	
Fire prevention/Conventional olive grove		E	2.326	1.024	K=419.62; p-value<0.0001
Fire prevention/Mosaic		D	1.826	0.854	
Fire prevention/Pine forest	A		0.587	0.983	
Fire prevention/Dehesa		C	1.534	0.967	
Fire prevention/Mediterranean forest	B		0.864	1.172	
Fire prevention/Non-tillage olive		C D	1.701	1.001	
Fertile soil and erosion control/Conventional olive grove	A		1.208	1.133	K=287.04; p-value<0.0001
Fertile soil and erosion control/Mosaic		B	1.716	0.827	
Fertile soil and erosion control/Pine forest		D	2.367	0.926	

Fertile soil and erosion control/Dehesa		C	2.208	0.817	
Fertile soil and erosion control/Mediterranean forest		D	2.451	0.879	
Fertile soil and erosion control/Non-tillage olive	B		1.777	0.918	
Water quality and quantity/Conventional olive grove	A		1.102	1.107	
Water quality and quantity/Mosaic	B		1.610	0.904	
Water quality and quantity/Pine forest		D	2.466	0.813	K=328.02; p-value<0.0001
Water quality and quantity/Dehesa		C	2.280	0.839	
Water quality and quantity/Mediterranean forest		C	2.280	0.905	
Water quality and quantity/Non-tillage olive	B		1.697	0.935	
Climate regulation /Conventional olive grove	A		0.898	0.886	
Climate regulation /Mosaic	B		1.515	0.823	K=496.45; p-value<0.0001
Climate regulation /Pine forest		D	2.667	0.655	
Climate regulation /Dehesa		C	2.148	0.870	
Climate regulation /Mediterranean forest		C	1.973	1.018	
Climate regulation /Non-tillage olive	B		1.379	0.890	
Pollination /Conventional olive grove	A		1.178	0.995	
Pollination /Mosaic	B		1.769	0.806	K=352.43; p-value<0.0001
Pollination /Pine forest		C	2.390	0.891	
Pollination /Dehesa		C	2.405	0.744	
Pollination /Mediterranean forest		C	2.462	0.808	
Pollination /Non-tillage olive	B		1.909	0.858	
Pest control by wild animals/Conventional olive grove	A		1.432	1.125	
Pest control by wild animals/Mosaic	B		1.765	0.862	K = 105.13; p-value < 0.0001
Pest control by wild animals/Pine forest		C	2.098	1.034	
Pest control by wild animals/Dehesa		C	2.140	0.902	
Pest control by wild animals/Mediterranean forest		C	2.110	1.020	
Pest control by wild animals/Non-tillage olive	B		1.746	0.906	
Scenic beauty/Conventional olive grove	A		1.273	0.983	
Scenic beauty/Mosaic		C	2.087	1.561	K = 349.04; p-value < 0.0001
Scenic beauty/Pine forest		D	2.595	0.789	
Scenic beauty/Dehesa		D	2.519	0.755	
Scenic beauty/Mediterranean forest		C	2.072	0.884	

Scenic beauty/Non-tillage olive	B		1.716	0.922	
Cultural identity/Conventional olive grove		C	2.451	0.884	
Cultural identity/Mosaic	B	C	2.470	0.734	K = 89.00; <i>p</i> -value < 0.0001
Cultural identity/Pine forest	A		1.955	1.016	
Cultural identity/Dehesa	B		2.348	0.823	
Cultural identity/Mediterranean forest	A		2.045	0.938	
Cultural identity/Non-tillage olive		C	2.492	0.750	
Nature and rural tourism/Conventional olive grove	A		1.269	1.009	
Nature and rural tourism/Mosaic		C	1.841	0.942	
Nature and rural tourism/Pine forest			F	2.542	0.784
Nature and rural tourism/Dehesa		E	2.345	0.798	K = 293.82; <i>p</i> -value < 0.0001
Nature and rural tourism/Mediterranean forest		D	2.038	0.938	
Nature and rural tourism/Non-tillage olive	B		1.595	0.959	
Hunting and fishing/Conventional olive grove	A		1.348	0.998	
Hunting and fishing/Mosaic		C	1.962	0.849	
Hunting and fishing/Pine forest		D	2.462	0.831	K = 388.90; <i>p</i> -value < 0.0001
Hunting and fishing/Dehesa		D	2.587	0.698	
Hunting and fishing/Mediterranean forest		D	2.557	0.797	
Hunting and fishing/Non-tillage olive	B		1.769	0.887	
Scientific and education/Conventional olive grove	A		1.777	0.971	
Scientific and education/Mosaic	B		2.095	0.851	
Scientific and education/Pine forest		C	2.455	0.817	K = 104.82; <i>p</i> -value < 0.0001
Scientific and education/Dehesa		C	2.386	0.752	
Scientific and education/Mediterranean forest	B		2.098	0.909	
Scientific and education/Non-tillage olive	B		2.038	1.109	

Table S11. Results of Kruskal–Wallis test performed for each stakeholder group.

Conventional Intensified Olive Growing						
Service	Stakeholders	Dunn''s Groups		Means	K Value	p-Value
Food from agriculture	Livestock affine	A		2.40	9.35	0.0250
	Urban affine	B		2.68		
	Olive Grove affine	B		2.75		
	Environmental affine	B		2.76		
Food for livestock	Environmental affine	A		0.35	10.40	0.0155
	Livestock affine	B		0.69		
	Olive Grove affine	B		0.70		
	Urban affine	B		0.66		
Wild food	Environmental affine	A		0.76	17.37	0.0006
	Olive Grove affine	A		1.03		
	Livestock affine	A	B	1.10		
	Urban affine		B	1.47		
Raw materials	Environmental affine	A		1.33	1.61	0.6562
	Olive Grove affine	A		1.30		
	Urban affine	A		1.47		
	Livestock affine	A		1.50		
Fire prevention	Environmental affine	A		2.29	3.48	0.3232
	Olive Grove affine	A		2.25		
	Urban affine	A		2.28		
	Livestock affine	A		2.60		
Erosion control	Environmental affine	A		0.98	7.79	0.0506
	Livestock affine	A	B	1.05		
	Urban affine		B	1.34		
	Olive Grove affine	B		1.46		
Water quality and quantity	Environmental affine	A		0.80	9.60	0.0223
	Livestock affine	A	B	1.05		
	Urban affine		B	1.26		
	Olive Grove affine	B		1.31		
Favorable climate	Environmental affine	A		0.76	5.40	0.1450
	Livestock affine	A		0.81		
	Urban affine	A		1.00		

	Olive Grove affine	A		1.00		
	Environmental affine	A		0.93		
Pollination	Livestock affine	A	B	1.10	9.26	0.0260
	Urban affine		B	1.32		
	Olive Grove affine		B	1.36		
	Livestock affine	A		1.07		
Pest control	Environmental affine	A	B	1.24	11.34	0.0100
	Urban affine		B C	1.57		
	Olive Grove affine		C	1.67		
	Livestock affine	A		2.26		
	Environmental affine	A	B	2.37		
Cultural identity	Olive Grove affine	A	B	2.52	4.83	0.1846
	Urban affine		B	2.58		
	Environmental affine	A		0.83		
Scenic beauty	Livestock affine	A		1.17	30.41	< 0.0001
	Urban affine		B	1.57		
	Olive Grove affine		B	1.58		
	Environmental affine	A		1.12		
Nature tourism	Livestock affine	A	B	1.21	4.67	0.1975
	Olive Grove affine	A	B	1.22		
	Urban affine		B	1.47		
	Environmental affine	A		1.28		
	Urban affine	A		1.36		
Hunting	Livestock affine	A		1.36	0.57	0.9032
	Olive Grove affine	A		1.36		
	Environmental affine	A		1.55		
Education and research	Urban affine	A		1.85	5.68	0.1282
	Olive Grove affine	A		1.87		
	Livestock affine	A		1.88		
Mosaic of multiple uses						
	Livestock affine	A		2.05		
Food from agriculture	Environmental affine	A	B	2.10	6.03	0.1102
	Urban affine	A	B	2.20		

	Olive Grove affine	B	2.31		
	Environmental affine	A	1.21		
Food from livestock	Livestock affine	A	1.31	1.77	0.6223
	Urban affine	A	1.36		
	Olive Grove affine	A	1.43		
	Environmental affine	A	1.60		
Wild food	Livestock affine	A	1.76	5.34	0.1486
	Olive Grove affine	A B	1.82		
	Urban affine	B	1.91		
	Environmental affine	A	1.56		
Raw materials	Olive Grove affine	A	1.64	4.24	0.2362
	Urban affine	A	1.76		
	Livestock affine	A	1.86		
	Environmental affine	A	1.76		
Fire prevention	Urban affine	A	1.73	4.44	0.2181
	Olive Grove affine	A	1.93		
	Livestock affine	A	2.00		
	Environmental affine	A	1.60		
Erosion control	Livestock affine	A B	1.83	3.94	0.2684
	Urban affine	B	1.68		
	Olive Grove affine	B	1.81		
	Environmental affine	A	1.44		
Favorable climate	Livestock affine	A	1.52	3.21	0.3607
	Urban affine	A	1.46		
	Olive Grove affine	A	1.66		
	Environmental affine	A	1.37		
Water supply and quality	Urban affine	B	1.68	10.47	0.0150
	Livestock affine	B	1.71		
	Olive Grove affine	B	1.76		
	Environmental affine	A	1.52		
Pollination	Olive Grove affine	B	1.85	10.40	0.0155
	Urban affine	B	1.86		
	Livestock affine	B	1.88		

Pest control	Livestock affine	A		1.69	2.17	0.5377
	Environmental affine	A		1.70		
	Olive Grove affine	A		1.75		
	Urban affine	A		1.86		
Cultural identity	Environmental affine	A		2.28	9.09	0.0281
	Olive Grove affine	A	B	2.55		
	Urban affine		B	2.54		
	Livestock affine		B	2.60		
Scenic beauty	Environmental affine	A		1.87	22.59	< 0.0001
	Olive Grove affine		B	2.15		
	Livestock affine		B	2.17		
	Urban affine		B	2.22		
Tourism	Environmental affine	A		1.72	1.42	0.6998
	Livestock affine	A	B	1.86		
	Urban affine	A	B	1.88		
	Olive Grove affine		B	1.90		
Hunting	Environmental affine	A		1.84	3.99	0.2624
	Urban affine	A	B	1.91		
	Olive Grove affine	A	B	1.99		
	Livestock affine		B	2.17		
Research and education	Environmental affine	A		1.89	5.59	0.1332
	Olive Grove affine	A		2.16		
	Urban affine	A		2.18		
	Livestock affine	A		2.17		
Pine afforestation						
Food from agriculture	Environmental affine	A		0.90	7.38	0.0606
	Livestock affine	A	B	0.71		
	Urban affine		B	1.04		
	Olive Grove affine		B	1.10		
Food from livestock	Olive Grove affine	A		1.45	1.90	0.5924
	Environmental affine	A		1.26		
	Livestock affine	A		1.10		
	Urban affine	A		1.30		

Wild food	Livestock affine	A		2.07	4.93	0.1770
	Olive Grove affine	A	B	2.25		
	Urban affine	A	B	2.41		
	Environmental affine		B	2.39		
Raw materials	Environmental affine	A		2.72	3.80	0.2833
	Olive Grove affine	A		2.85		
	Urban affine	A		2.85		
	Livestock affine	A		2.74		
Fire prevention	Urban affine	A		0.53	3.20	0.3617
	Environmental affine	A		0.62		
	Olive Grove affine	A		0.51		
	Livestock affine	A		0.74		
Erosion control	Environmental affine	A		2.43	1.25	0.7404
	Urban affine	A		2.36		
	Olive Grove affine	A		2.25		
	Livestock affine	A		2.43		
Water quality and quantity	Olive Grove affine	A		2.30	4.86	0.1825
	Livestock affine	A	B	2.36		
	Environmental affine	A	B	2.55		
	Urban affine		B	2.63		
Favorable climate	Olive Grove affine	A		2.45	8.36	0.0392
	Livestock affine	A	B	2.67		
	Environmental affine		B	2.77		
	Urban affine		B	2.76		
Pollination	Livestock affine	A		2.26	2.49	0.4780
	Olive Grove affine	A		2.30		
	Environmental affine	A		2.49		
	Urban affine	A		2.49		
Pest control	Olive Grove affine	A		1.96	3.62	0.3061
	Livestock affine	A		2.12		
	Environmental affine	A		2.12		
	Urban affine	A		2.23		

Cultural identity	Olive Grove affine	A		1.75	5.37	0.1467
	Livestock affine	A	B	1.98		
	Urban affine	A	B	2.05		
	Environmental affine		B	2.04		
Scenic beauty	Livestock affine	A		2.14	26.29	< 0.0001
	Olive Grove affine	A		2.36		
	Environmental affine		B	2.79		
	Urban affine		B	2.85		
Tourism	Livestock affine	A		2.36	4.22	0.2388
	Olive Grove affine	A		2.43		
	Environmental affine	A		2.65		
	Urban affine	A		2.64		
Hunting	Olive Grove affine	A		0.78	1.59	0.6616
	Urban affine	A		0.95		
	Livestock affine	A		0.89		
	Environmental affine	A		0.72		
Research and education	Olive Grove affine	A		2.30	4.13	0.2480
	Livestock affine	A	B	2.36		
	Urban affine	A	B	2.49		
	Environmental affine		B	2.61		
Dehesa						
Food from agriculture	Environmental affine	A		1.27	0.80	0.8489
	Urban affine	A		1.31		
	Livestock affine	A		1.38		
	Olive Grove affine	A		1.43		
Food from livestock	Olive Grove affine	A		2.69	0.29	0.9624
	Urban affine	A		2.74		
	Environmental affine	A		2.72		
	Livestock affine	A		2.71		
Wild food	Urban affine	A		2.28	2.07	0.5577
	Olive Grove affine	A		2.37		
	Livestock affine	A		2.48		
	Environmental affine	A		2.44		

Raw materials	Olive Grove affine	A	1.82	1.20	0.7524
	Urban affine	A	1.85		
	Livestock affine	A	1.95		
	Environmental affine	A	1.96		
Fire prevention	Environmental affine	A	1.39	3.43	0.3305
	Urban affine	A	1.55		
	Olive Grove affine	A	1.63		
	Livestock affine	A	1.67		
Erosion control	Olive Grove affine	A	2.12	3.46	0.3265
	Urban affine	A	2.10		
	Environmental affine	A	2.28		
	Livestock affine	A	2.38		
Water quality and quantity	Olive Grove affine	A	2.13	4.43	0.2191
	Urban affine	A	2.22		
	Environmental affine	A	2.39		
	Livestock affine	A	2.40		
Climate regulation	Urban affine	A	1.96	4.68	0.1969
	Olive Grove affine	A	2.18		
	Environmental affine	A	2.21		
	Livestock affine	A	2.31		
Pollination	Urban affine	A	2.49	3.63	0.3039
	Olive Grove affine	A	2.36		
	Environmental affine	A	2.45		
	Livestock affine	A	2.57		
Pest control	Urban affine	A	1.99	5.45	0.1416
	Environmental affine	A	B		
	Olive Grove affine	A	B		
	Livestock affine		B		
Cultural identity	Urban affine	A	1.88	7.78	0.0507
	Olive Grove affine	A	B		

	Environmental affine	A	B	2.15		
	Livestock affine		B	2.45		
Scenic beauty	Urban affine	A		2.31	11.46	0.0095
	Olive Grove affine		B	2.54		
	Livestock affine		B	2.60		
	Environmental affine		B	2.65		
Tourism	Urban affine	A		2.15	5.98	0.1127
	Environmental affine	A	B	2.41		
	Olive Grove affine		B	2.43		
	Livestock affine		B	2.45		
Hunting	Urban affine	A		2.51	1.61	0.6560
	Livestock affine	A		2.57		
	Olive Grove affine	A		2.63		
	Environmental affine	A		2.63		
Research and education	Urban affine	A		2.31	3.49	0.3222
	Olive Grove affine	A		2.34		
	Environmental affine	A		2.44		
	Livestock affine	A		2.52		
Mediterranean forest						
Food from agriculture	Environmental affine	A		0.71	2.96	0.3973
	Urban affine	A		0.96		
	Livestock affine	A		0.95		
	Olive Grove affine	A		0.88		
Food from livestock	Environmental affine	A		2.07	6.5263	0.0886
	Olive Grove affine	A		1.81		
	Livestock affine	A		1.57		
	Urban affine	A		1.89		
Wild food	Urban affine	A		2.09	2.38	0.4966
	Olive Grove affine	A		2.18		
	Environmental affine	A		2.29		
	Livestock affine	A		2.33		
Raw materials	Urban affine	A		1.50	2.23	0.5261
	Olive Grove affine	A		1.61		

	Environmental affine	A	1.65		
	Livestock affine	A	1.83		
Fire prevention	Urban affine	A	0.68		
	Environmental affine	A B	0.88	4.76	0.1899
	Olive Grove affine	A B	0.93		
	Livestock affine	B	1.05		
Erosion control	Olive Grove affine	A	2.36		
	Urban affine	A	2.38	1.93	0.5864
	Environmental affine	A	2.51		
	Livestock affine	A	2.60		
Water quality and quantity	Olive Grove affine	A	2.18		
	Urban affine	A	1.82	2.84	0.4174
	Environmental affine	A	2.38		
	Livestock affine	A	2.22		
Favorable climate	Olive Grove affine	A	1.79		
	Urban affine	A	2.01	4.19	0.2417
	Environmental affine	A	2.07		
	Livestock affine	A	2.07		
Pollination	Olive Grove affine	A	2.36		
	Environmental affine	A	2.45	1.21	0.7495
	Urban affine	A	2.49		
	Livestock affine	A	2.57		
Pest control	Environmental affine	A	1.96		
	Olive Grove affine	A	2.01	12.49	0.0059
	Urban affine	A	2.07		
	Livestock affine	B	2.60		
Cultural identity	Olive Grove affine	A	2.54		
	Urban affine	A	2.73	16.89	0.0007
	Environmental affine	B	2.32		
	Livestock affine	B	2.33		
Scenic beauty	Olive Grove affine	A	1.99	1.19	0.7560

	Urban affine	A	2.05		
	Livestock affine	A	2.05		
	Environmental affine	A	2.15		
Tourism	Olive Grove affine	A	1.96	1.42	0.7005
	Urban affine	A	2.01		
	Livestock affine	A	2.12		
	Environmental affine	A	2.11		
Hunting	Urban affine	A	0.82	2.94	0.4013
	Olive Grove affine	A	0.84		
	Environmental affine	A	0.74		
	Livestock affine	A	0.82		
Research and education	Urban affine	A	1.97	3.70	0.2963
	Olive Grove affine	A	2.06		
	Livestock affine	A	2.17		
	Environmental affine	A	2.21		
Organic and traditional olive cultivation					
Food from agriculture	Environmental affine	A	1.27	4.77	0.1894
	Urban affine	A	1.31		
	Livestock affine	A	1.38		
	Olive Grove affine	A	1.43		
Food from livestock	Environmental affine	A	2.07	12.63	0.0055
	Olive Grove affine	B	1.81		
	Livestock affine	B	1.57		
	Urban affine	B	1.89		
Wild food	Olive Grove affine	A	2.18	2.88	0.4098
	Environmental affine	A	2.29		
	Livestock affine	A	2.33		
	Urban affine	A	2.09		
Raw materials	Olive Grove affine	A	1.40	2.29	0.5143
	Environmental affine	A	1.57		
	Urban affine	A	1.57		
	Livestock affine	A	1.67		
Fire preventions	Urban affine	A	1.62	1.67	0.6430

	Livestock affine	A		1.64		
	Olive Grove affine	A		1.66		
	Environmental affine	A		1.80		
Erosion control	Olive Grove affine	A		1.70		
	Environmental affine	A		1.75	2.18	0.5365
	Urban affine	A		1.79		
	Livestock affine	A		1.95		
Water quality and quantity	Environmental affine	A		1.46		
	Livestock affine	A	B	1.79	7.55	0.0562
	Urban affine		B	1.78		
	Olive Grove affine		B	1.82		
Favorable climate	Environmental affine	A		1.33		
	Urban affine	A		1.34		
	Livestock affine	A		1.38	1.59	0.6608
	Olive Grove affine	A		1.46		
Pollination	Olive Grove affine	A		1.82		
	Environmental affine	A		1.83	3.12	0.3730
	Urban affine	A		1.96		
	Livestock affine	A		2.05		
Pest control	Environmental affine	A		1.65		
	Olive Grove affine	A		1.69	2.26	0.5211
	Urban affine	A		1.82		
	Livestock affine	A		1.83		
Cultural identity	Environmental affine	A		2.32		
	Livestock affine	A		2.33	10.90	0.0123
	Olive Grove affine	A	B	2.54		
	Urban affine		B	2.73		
Scenic beauty	Environmental affine	A		1.46		
	Livestock affine	A	B	1.71	10.43	0.0152
	Olive Grove affine		B	1.81		
	Urban affine		B	1.93		

Tourism	Environmental affine	A	1.33	9.71	0.0212
	Olive Grove affine	B	1.64		
	Urban affine	B	1.66		
	Livestock affine	B	1.86		
Hunting	Urban affine	A	1.68	1.05	0.7889
	Environmental affine	A	1.74		
	Olive Grove affine	A	1.79		
	Livestock affine	A	1.86		
Research and education	Environmental affine	A	1.72	12.55	0.0057
	Olive Grove affine	B	2.18		
	Urban affine	B	2.26		
	Livestock affine	B	2.09		