

Supplementary Material

Table S1. List of localities of evergreen vegetation expansion data from Figure 3 from the main text.

<i>id</i>	<i>longitude</i>	<i>latitude</i>	<i>Locality</i>	<i>Current species</i>	<i>Emergent species</i>	<i>External drivers</i>	<i>Source</i>
1	-2.133333333	46.81666667	Pays de Monts	mixed forest	<i>Quercus ilex</i>	climate change	[1]
2	-1.816666667	46.55	Olonne	mixed forest	<i>Quercus ilex</i>	climate change	[1]
3	-1.466666667	46.36666667	Longeville	mixed forest	<i>Quercus ilex</i>	climate change	[1]
4	-1.15	45.16666667	Hourtin	<i>Pinus pinaster</i> , <i>Quercus robur</i>	<i>Quercus ilex</i>	climate change, storm regimes	[1]
5	-0.966666667	40.43333333	El Carrascal	<i>Pinus sylvestris</i> dominated forest	<i>Pinus nigra</i> , <i>Quercus ilex</i>	climate change, drought	[2]
6	-0.733333333	41.78333333	Vedado de Peñaflor, Zaragoza	<i>Pinus halepensis</i> dominated forest	<i>Juniperus phoenicia</i>	climate change, drought	[2]
7	1.768498	41.783856	Prades, Catalonia	<i>Pinus sylvestris</i> , <i>Pinus nigra</i>	<i>Quercus ilex</i> by re-sprouting	Climate change (increased droughts)	[3]
8	1.085828	42.352598	Arcalis, Lleida	<i>Quercus ilex</i> (lowlands), <i>Pinus sylvestris</i> (medium, high altitude)	<i>Quercus ilex</i> , <i>Q. humilis</i>	Climate change, drought	[4, 5]
9	1.4004	42.0055	Segre & Cardener	<i>Pinus nigra</i>	Evergreen and marcescent oak species	Climate change (increased droughts)	[6]
10	3.309043	44.03399	Cevennes/Causse du Larzac	mixed landscape	<i>Quercus pubescens</i> , <i>Q. ilex</i> , <i>Fraxinus</i> sp., <i>Fagus sylvatica</i>	socioeconomic drivers, land abandonment	[7]
11	-0.631037	38.439301	Agost-Ventós catchment, Alicante	mixed landscape	Grasslands with dwarf shrubs and shrubland with <i>Quercus coccifera</i> , <i>Erica multiflora</i>	socioeconomic drivers, land abandonment	[8]
12	-3.5	43.47	Pic Saint Loup	mixed landscape	<i>Quercus ilex</i> , <i>Q. pubescens</i> , <i>Pinus halepensis</i>	socioeconomic drivers, land abandonment	[9]
13	-1.056388889	45.18722222	Hourtin	<i>Quercus robur</i> , <i>Q. ilex</i>	<i>Quercus ilex</i>	Climate change (increased droughts)	[10]

14	-1.408333333	41.78333333	Montseny	<i>Fagus sylvatica</i>	<i>Quercus ilex</i>	Climate change (increased droughts)	[11]
15	0.99	41.3	Prades, Catalonia	<i>Pinus sylvestris</i> decline	<i>Quercus ilex</i> , <i>Q. pubescens</i>	Climate change (increased droughts)	[12]
16	1.082	42.356	Arcalis, catalonia	<i>Pinus sylvestris</i> decline	<i>Quercus ilex</i> , <i>Q. pubescens</i>	Climate change (increased droughts)	[12]
17	1.945	42.227	Falgarls, Catalonia	<i>Pinus sylvestris</i> decline	<i>Quercus ilex</i> , <i>Q. pubescens</i>	Climate change (increased droughts)	[12]
18	1.483333333	41.75	Montseny	mixed forest	<i>Quercus ilex</i>	Climate change (increased droughts)	[13]
19	-1.033333333	40.86666667	Guadarrama	mixed forest	<i>Quercus ilex</i>	Climate change (increased droughts)	[13]
20	-1.688055556	41.13888889	Monte Pradenilla	mixed landscape	<i>Juniperus thurifera</i>	Climate change (increased droughts)	[14]
21	-1.96	36.71666667	Baetic Range	<i>Abies pinsapo</i>	<i>Quercus</i> spp., <i>Juniperus</i> spp.	Climate change (increased droughts)	[15][15]

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