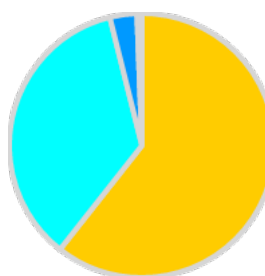


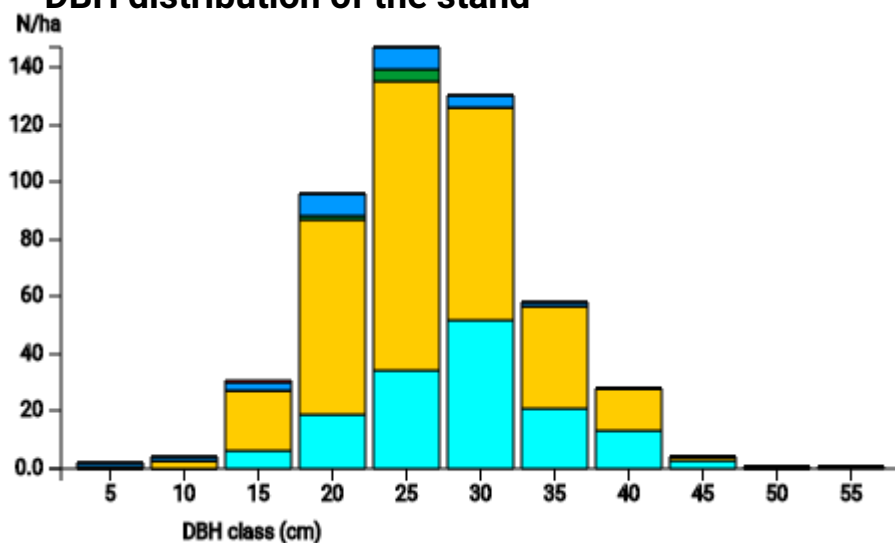
21/05/2021 Ficuzza gruppoB

Site conditions

Altitude: 915 m.a.s.l.
 Forest ecological region: Sicily
 Geology / Bedrock: Sedimentary carbonate complex
 Soil type: Clay soil
 Natural forest community: Aceri-Quercetum ilicis
 Mean annual temperature: 13.9 C;
 Mean annual precipitation: 800-1000 mm; Ownership: Region; Establishment: 2021

Tree species distribution by volume (in %)

evergreen oak: 60.6 %
 downy oak: 35.5 %
 manna ash: 3.3 %
 field maple: 0.6 %
 common hawthorn: 0 %

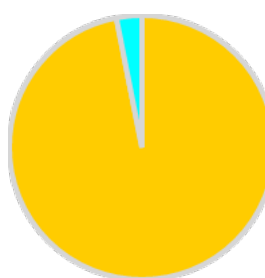
DBH distribution of the stand**Initial stand (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	1	0	0.1	6	20	3
downy oak	149	12	94.3	7074	4156	499
evergreen oak	321	21.3	161.1	12084	4624	678
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	502	34.9	265.8	19933	9391	1242

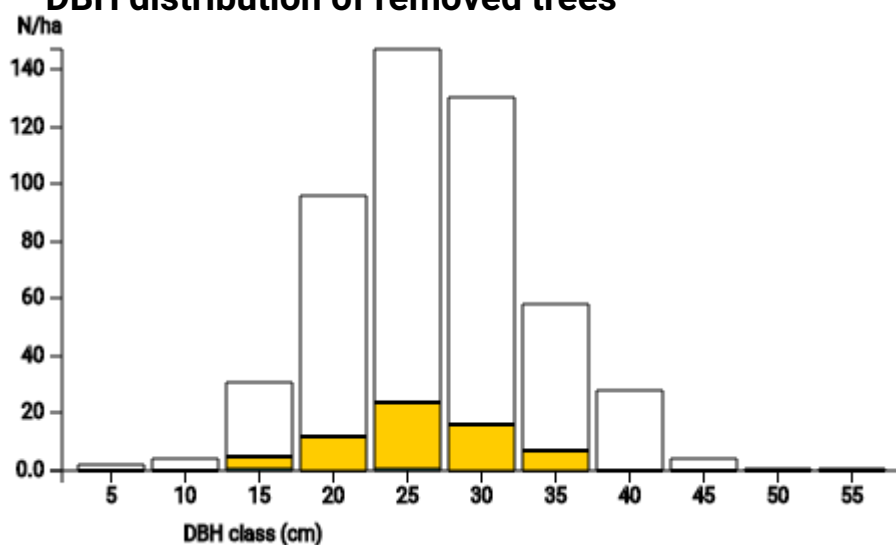
Removed treesVolume: 30.4 m³Basal area: 4 m²

Economic value: 2280 €

Habitat value: 585 pts.

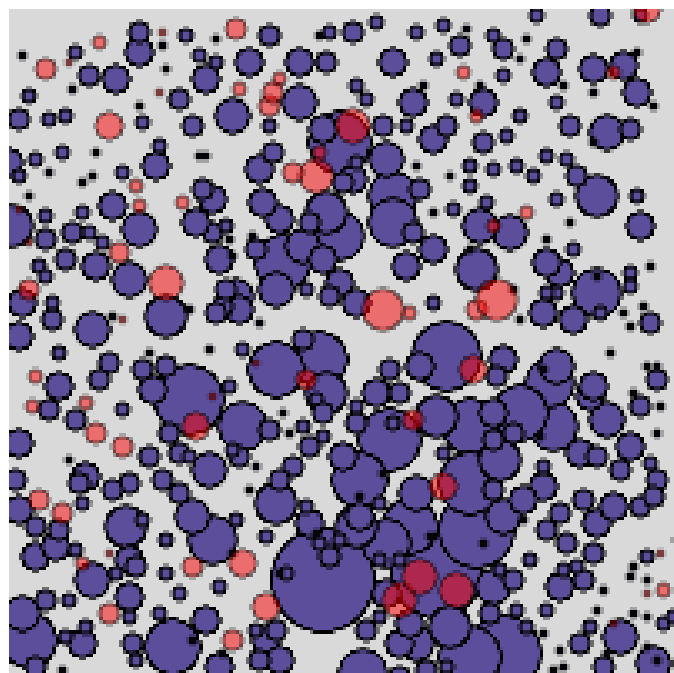
Removed trees (N in %)

- evergreen oak: 96.9 %
- downy oak: 3.1 %
- field maple: 0 %
- manna ash: 0 %
- common hawthorn: 0 %

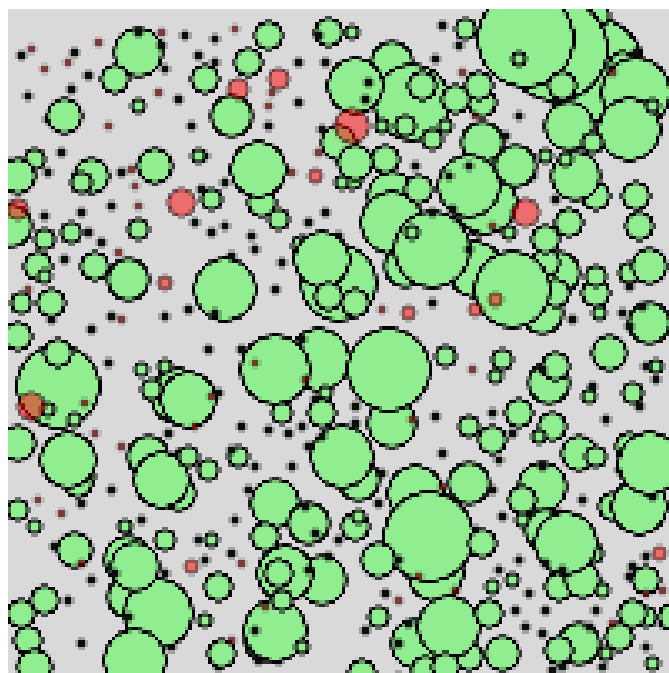
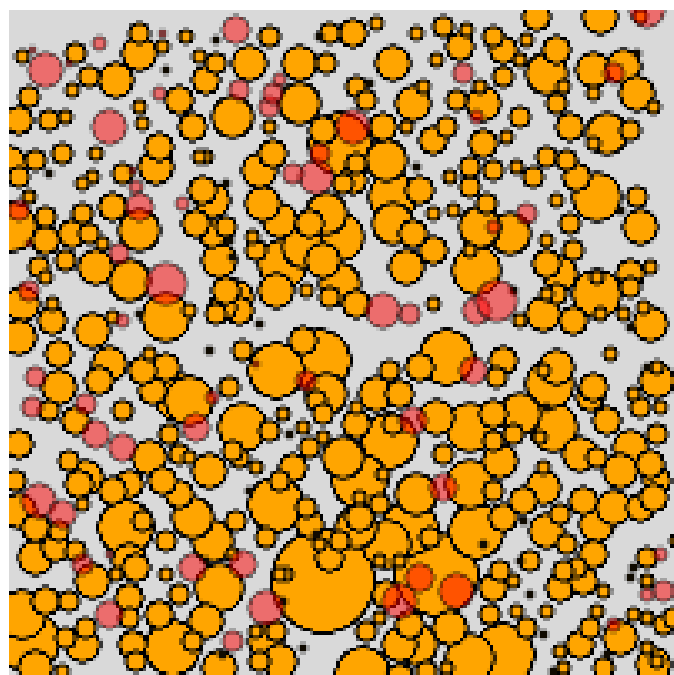
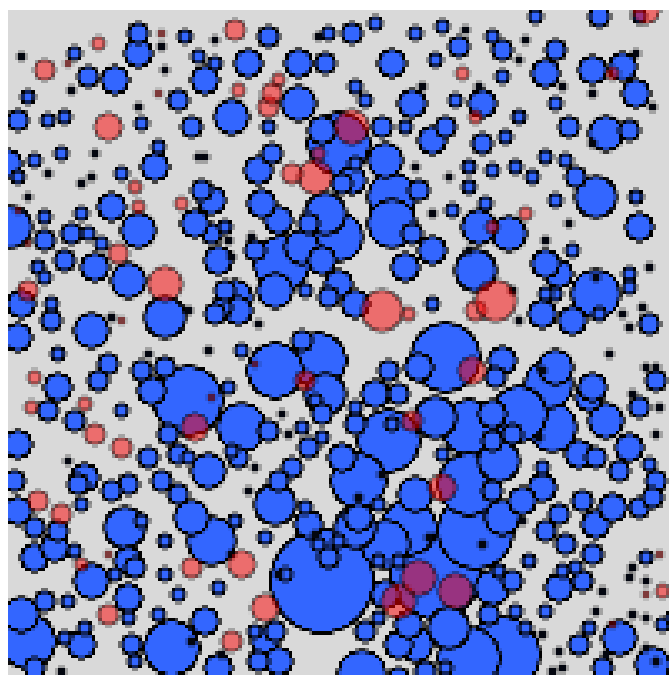
DBH distribution of removed trees**Removed trees (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	0	0	0	0	0	0
downy oak	2	0.1	0.5	35	26	4
evergreen oak	62	3.9	29.9	2245	559	106
field maple	0	0	0	0	0	0
manna ash	0	0	0	0	0	0
Total	64	4	30.4	2280	585	110

Economic value [EUR]



Habitat value

Basal area [m²]Volume [m³]**Description:**

Red circles (removed trees); circle size according to numerical values (e.g. large circles mean high values); trees with very low values (e.g. habitat value "0") are not visible.

Economic values

Total value of removed trees: 2280 €

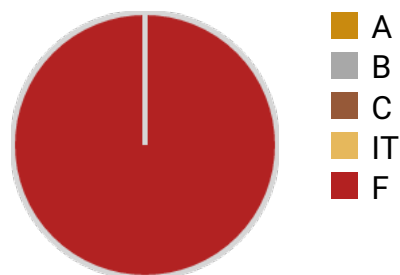
Percentage of total stand value: 11.4 %

Stand value after harvest: 17653 €

Economic value by tree species [€]

Tree species	Total	Per m ³
downy oak	35	75
evergreen oak	2245	75
field maple	0	0
manna ash	0	0
common hawthorn	0	0
Total	2280	75

Wood quality distribution (m³ in %)



Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	30.4	100

Habitat values

Total habitat value of removed trees: 585 pts.

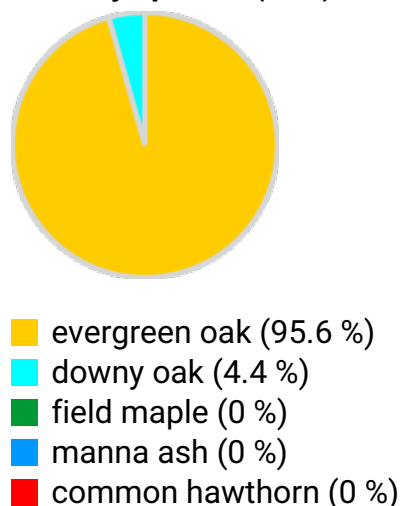
Percentage of total stand value: 6.2 %

Stand value after harvest: 8806 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
downy oak	26	55.5	4
evergreen oak	559	18.7	106
field maple	0	0	0
manna ash	0	0	0
common hawthorn	0	0	0
Total	585	19.2	110

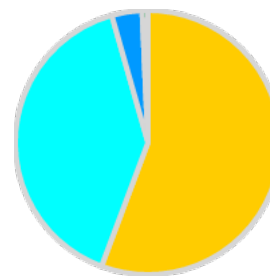
Habitat value (points) of removed trees by species (in %)



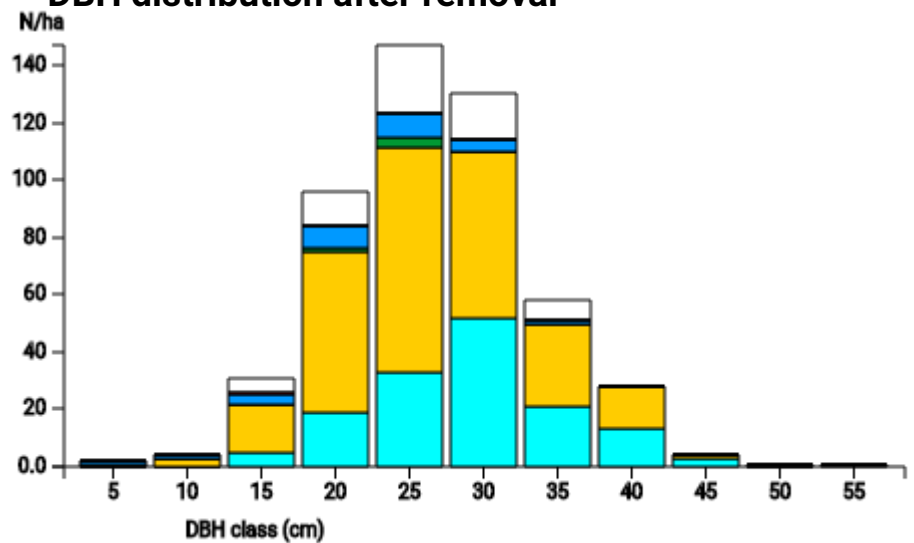
Remaining standVolume: 235.5 m³Basal area: 30.9 m²

Economic value: 17653 €

Habitat value: 8806 pts.

Remaining trees by volume (m³ in %)

- evergreen oak: 55.7 %
- downy oak: 39.9 %
- manna ash: 3.7 %
- field maple: 0.7 %
- common hawthorn: 0 %

DBH distribution after removal**Remaining stand (details by tree species)**

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	1	0	0.1	6	20	3
downy oak	147	11.9	93.9	7039	4130	495
evergreen oak	259	17.4	131.2	9840	4065	572
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	438	30.9	235.4	17653	8806	1132

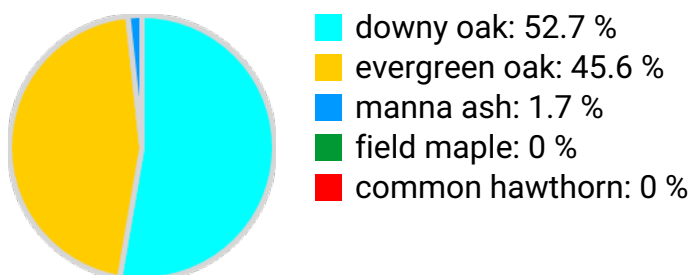
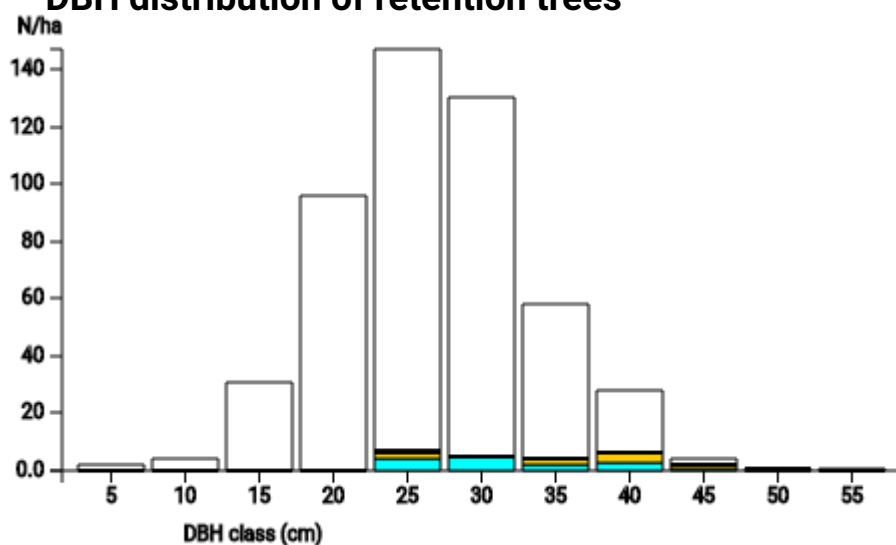
Retention treesVolume: 23.8 m³

Elite trees: 22

Habitat trees: 0

Economic value: 1785 €

Habitat value: 890 pts.

Retention trees by volume (m³ in %)**DBH distribution of retention trees****Retained trees (details by tree species)**

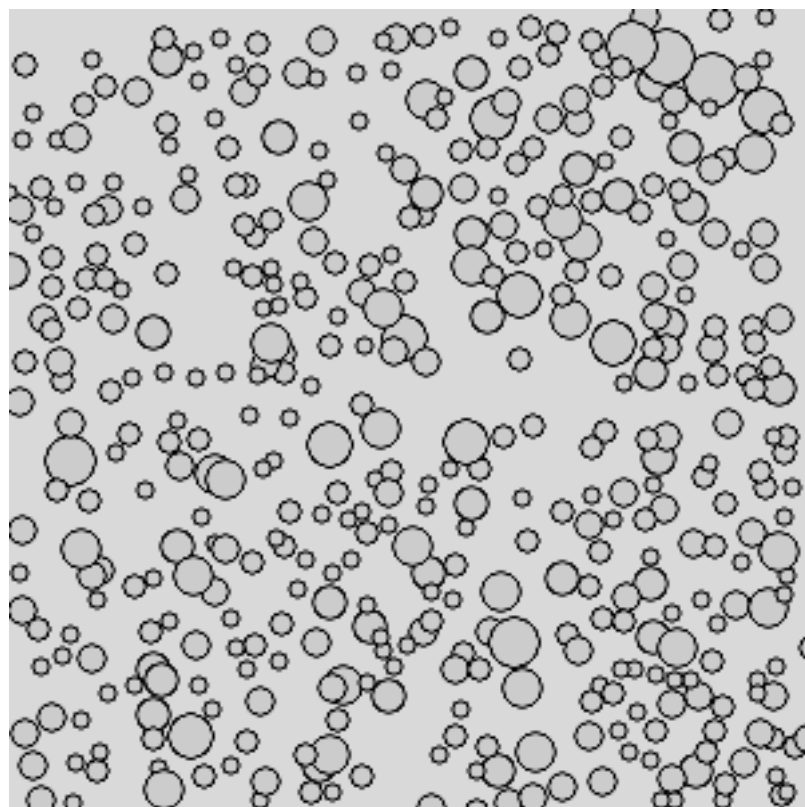
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	0	0	0	0	0	0
downy oak	15	1.4	12.5	940	589	54
evergreen oak	9	1.1	10.8	814	297	34
field maple	0	0	0	0	0	0
manna ash	1	0.1	0.4	31	4	1
Total	25	2.6	23.8	1785	890	89

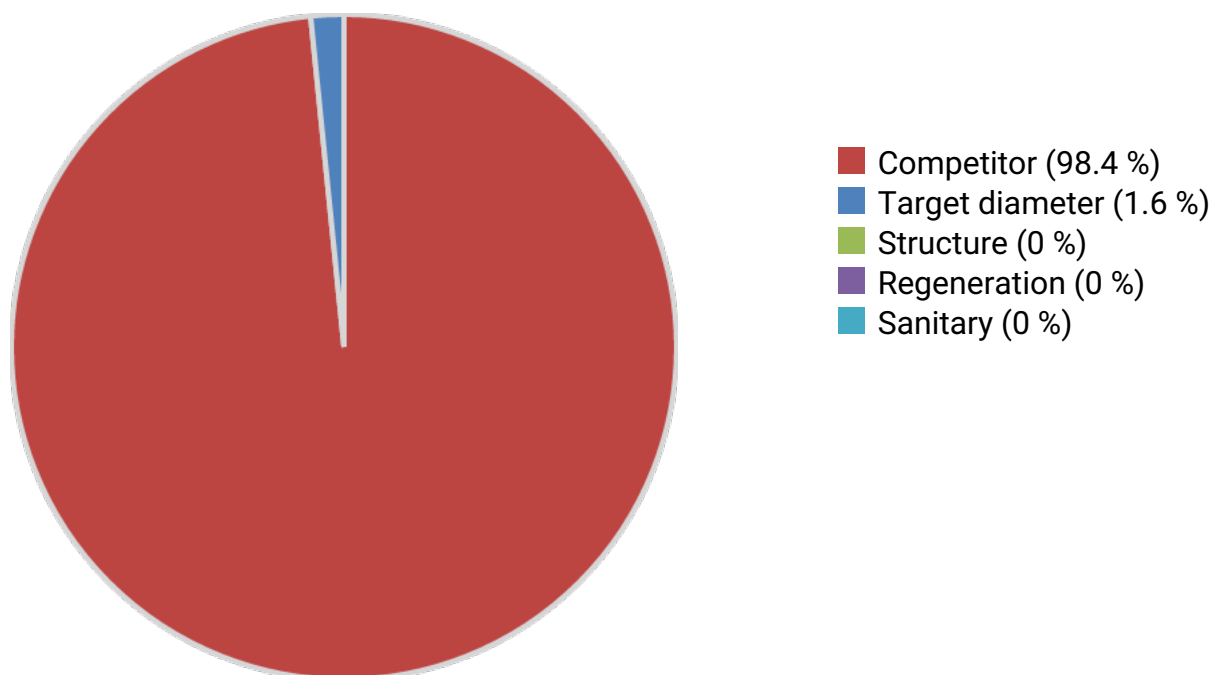
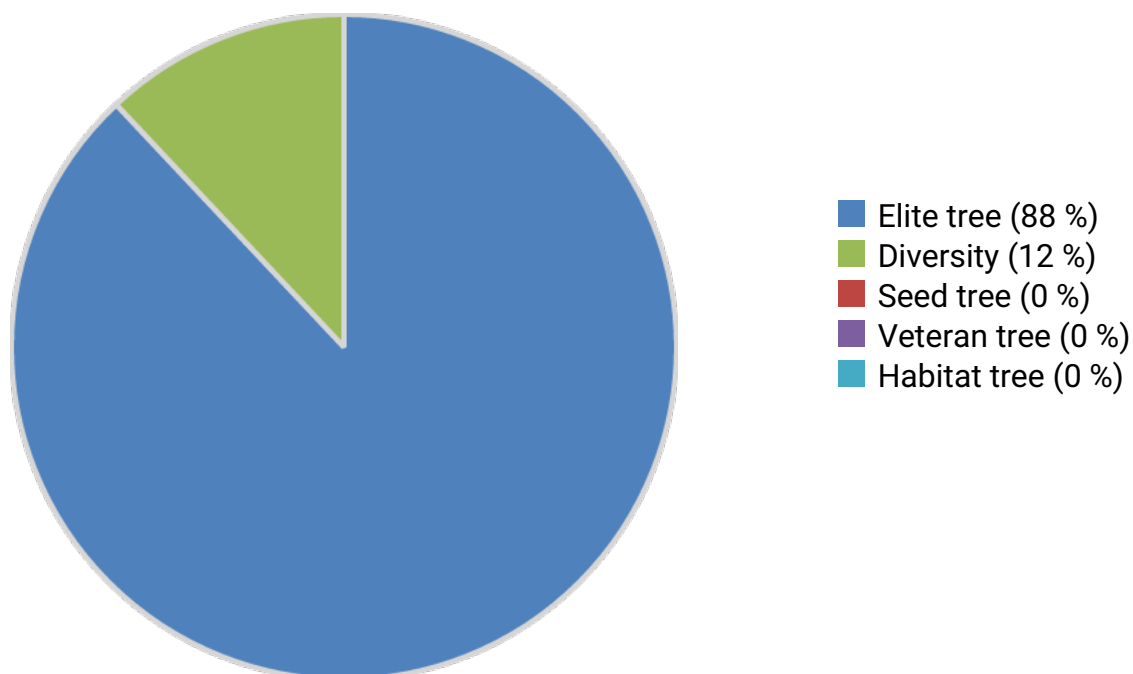
Number of habitat trees	[N]	0
Habitat value	pts.	0
	[% of total]	0
Economic value	[€]	0
	[% of total]	0
Number of microhabitats	[N]	0
	[% of total]	0

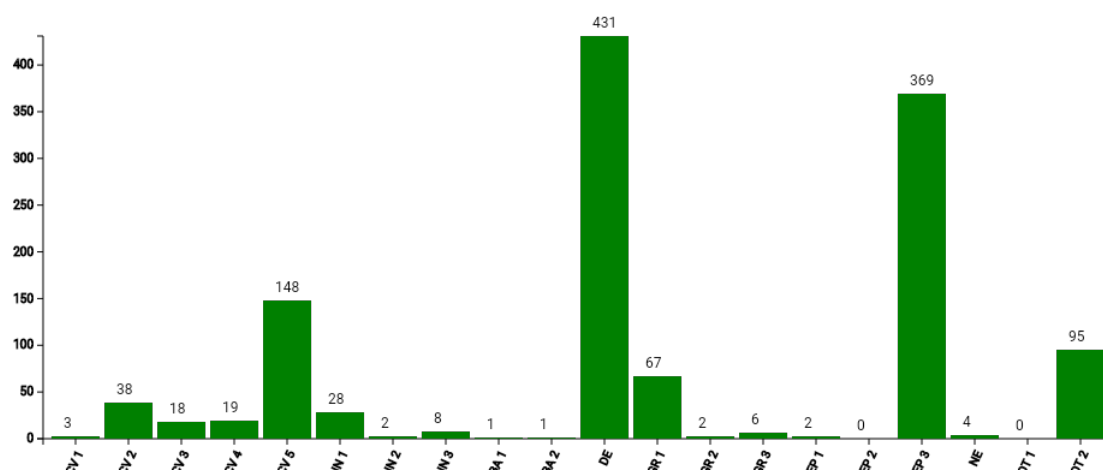
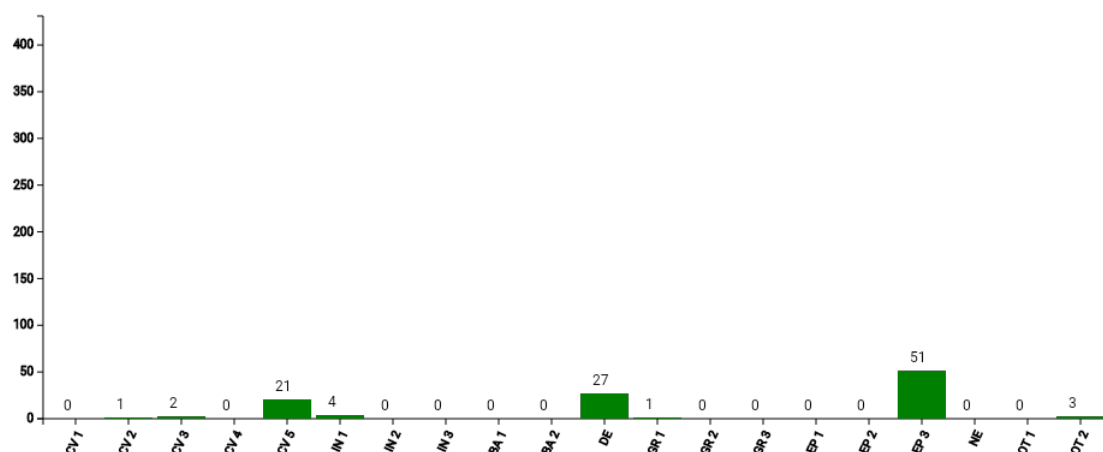
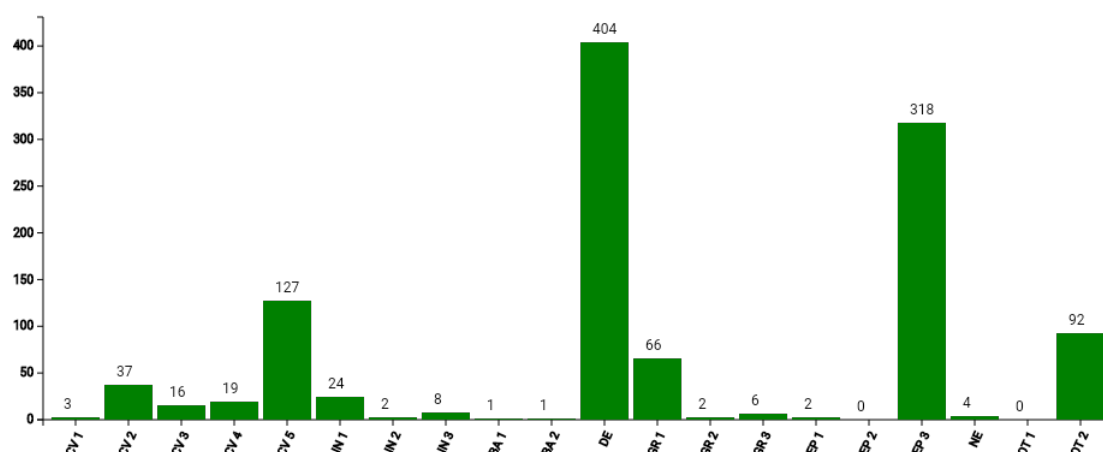
Habitat tree distribution by species (N in %)

-  downy oak: NaN %
-  evergreen oak: NaN %
-  field maple: NaN %
-  manna ash: NaN %
-  common hawthorn: NaN %

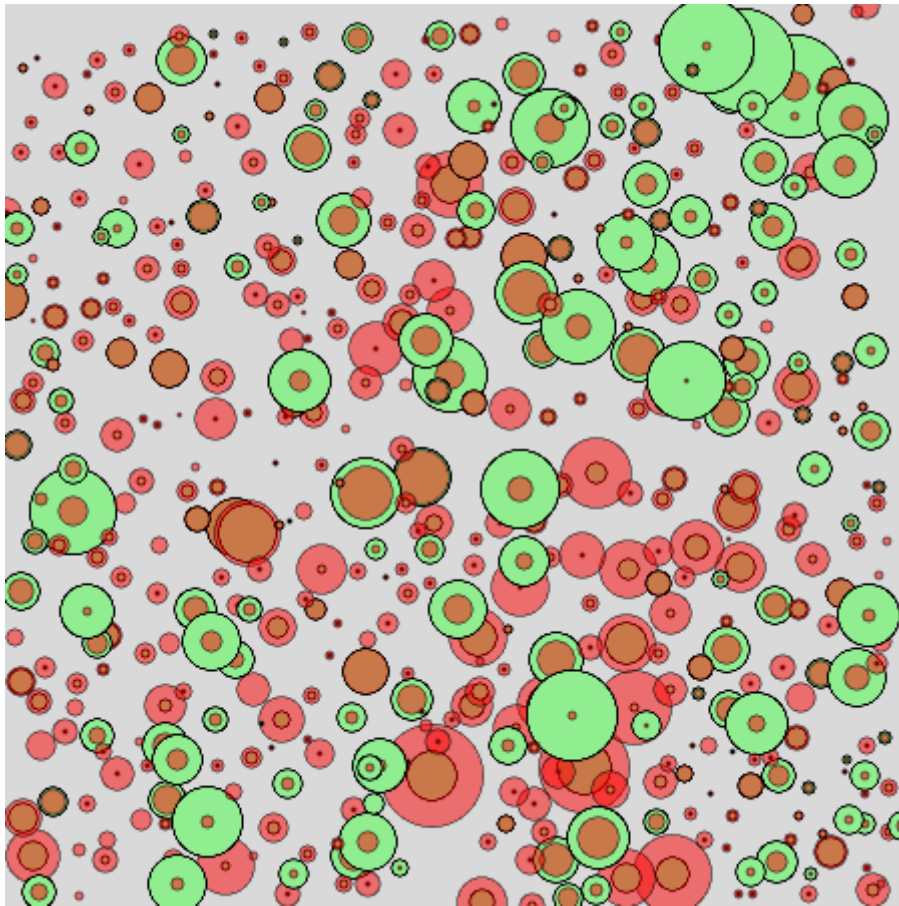
Spatial distribution of habitat trees



Reasons for removal**Reasons for retention**

Distribution of tree microhabitats by code (N total)**Removed tree microhabitats by code (N removed)****Remaining tree microhabitats by code (N after harvest)**

For more details on codes consult the field guide "Catalogue of tree microhabitats" or the tree microhabitat app.

Conflict trees (stand data)**Description:**

Overlay of economic and habitat value: red circles (economic value), green circles (habitat value); circle size according to numerical values (e.g. large circles mean high values); trees with very low values are not visible. Trees where both values overlap considerably represent so called "conflict trees".

Removed trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (491) Quercus ilex	38.5	0.12	1	77	14	Competitor
evergreen oak (110) Quercus ilex	37	0.11	0.8	61	16	Competitor
evergreen oak (343) Quercus ilex	35.5	0.1	0.9	67	8	Competitor
evergreen oak (38) Quercus ilex	35	0.1	0.7	54	4	Competitor
evergreen oak (427) Quercus ilex	35	0.1	0.9	70	38	Competitor
evergreen oak (487) Quercus ilex	35	0.1	1	75	10	Competitor
evergreen oak (46) Quercus ilex	35	0.1	0.9	65	14	Competitor
evergreen oak (348) Quercus ilex	34	0.09	0.8	62	4	Competitor
evergreen oak (398) Quercus ilex	34	0.09	0.7	49	0	Competitor
evergreen oak (229) Quercus ilex	34	0.09	0.6	47	4	Competitor
evergreen oak (20) Quercus ilex	33.5	0.09	0.6	45	4	Competitor
evergreen oak (182) Quercus ilex	33.5	0.09	0.5	36	6	Competitor
evergreen oak (345) Quercus ilex	33	0.09	0.8	59	4	Competitor
evergreen oak (207) Quercus ilex	33	0.09	0.8	56	4	Competitor
evergreen oak (183) Quercus ilex	31	0.08	0.5	40	8	Competitor
evergreen oak (80) Quercus ilex	31	0.08	0.4	34	10	Competitor
evergreen oak (490) Quercus ilex	31	0.08	0.6	42	14	Competitor
evergreen oak (257) Quercus ilex	31	0.08	0.7	49	4	Competitor
evergreen oak (233) Quercus ilex	30	0.07	0.5	39	0	Competitor
evergreen oak (158) Quercus ilex	30	0.07	0.7	51	4	Competitor
evergreen oak (273)	30	0.07	0.5	37	10	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (295) Quercus ilex	30	0.07	0.7	51	4	Competitor
evergreen oak (161) Quercus ilex	30	0.07	0.5	36	8	Competitor
evergreen oak (210) Quercus ilex	29.5	0.07	0.5	40	14	Competitor
evergreen oak (160) Quercus ilex	29.5	0.07	0.5	38	4	Competitor
evergreen oak (9) Quercus ilex	29.5	0.07	0.5	36	10	Competitor
evergreen oak (411) Quercus ilex	29	0.07	0.4	30	8	Competitor
evergreen oak (42) Quercus ilex	29	0.07	0.5	37	10	Competitor
evergreen oak (114) Quercus ilex	29	0.07	0.6	42	8	Competitor
evergreen oak (100) Quercus ilex	28	0.06	0.5	34	4	Competitor
evergreen oak (135) Quercus ilex	28	0.06	0.6	42	10	Competitor
evergreen oak (47) Quercus ilex	28	0.06	0.5	35	8	Competitor
evergreen oak (141) Quercus ilex	28	0.06	0.4	33	27	Competitor
evergreen oak (143) Quercus ilex	27.5	0.06	0.4	31	10	Competitor
evergreen oak (30) Quercus ilex	27.5	0.06	0.5	37	10	Competitor
evergreen oak (245) Quercus ilex	27.5	0.06	0.5	35	8	Competitor
evergreen oak (216) Quercus ilex	27	0.06	0.4	31	4	Competitor
evergreen oak (140) Quercus ilex	27	0.06	0.4	27	0	Competitor
evergreen oak (465) Quercus ilex	27	0.06	0.4	30	32	Competitor
evergreen oak (416) Quercus ilex	26.5	0.06	0.4	28	8	Competitor
evergreen oak (358) Quercus ilex	26.5	0.06	0.4	29	8	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (45) Quercus ilex	26	0.05	0.4	29	10	Competitor
evergreen oak (488) Quercus ilex	26	0.05	0.4	32	12	Competitor
evergreen oak (76) Quercus ilex	26	0.05	0.3	21	20	Competitor
downy oak (31) Quercus pubescens	25.5	0.05	0.4	27	22	Competitor
evergreen oak (466) Quercus ilex	25	0.05	0.4	29	8	Competitor
evergreen oak (4) Quercus ilex	25	0.05	0.3	26	4	Competitor
evergreen oak (28) Quercus ilex	24.5	0.05	0.3	25	18	Competitor
evergreen oak (383) Quercus ilex	24.5	0.05	0.2	17	14	Competitor
evergreen oak (73) Quercus ilex	24	0.05	0.3	24	28	Competitor
evergreen oak (120) Quercus ilex	24	0.05	0.3	20	4	Competitor
evergreen oak (74) Quercus ilex	24	0.05	0.3	24	4	Competitor
evergreen oak (431) Quercus ilex	23.5	0.04	0.3	23	4	Competitor
evergreen oak (148) Quercus ilex	23	0.04	0.2	18	8	Competitor
evergreen oak (355) Quercus ilex	23	0.04	0.2	17	8	Competitor
evergreen oak (33) Quercus ilex	22	0.04	0.2	18	10	Competitor
evergreen oak (357) Quercus ilex	21.5	0.04	0.2	18	4	Target diameter
evergreen oak (198) Quercus ilex	20	0.03	0.2	16	0	Competitor
evergreen oak (131) Quercus ilex	20	0.03	0.2	15	10	Competitor
evergreen oak (19) Quercus ilex	19	0.03	0.2	17	4	Competitor
evergreen oak (6) Quercus ilex	18.5	0.03	0.2	13	10	Competitor
downy oak (2)	18	0.03	0.1	8	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus pubescens						
evergreen oak (96) Quercus ilex	18	0.03	0.2	12	0	Competitor
evergreen oak (62) Quercus ilex	16.5	0.02	0.1	8	4	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (344) Quercus ilex	53	0.22	2.3	173	58	Elite tree
downy oak (376) Quercus pubescens	45.5	0.16	2	147	34	Elite tree
evergreen oak (426) Quercus ilex	45	0.16	1.6	121	38	Elite tree
evergreen oak (314) Quercus ilex	43	0.15	1.8	137	8	Diversity
evergreen oak (132) Quercus ilex	42.5	0.14	1.3	98	72	Elite tree
downy oak (485) Quercus pubescens	42	0.14	1	74	54	Elite tree
downy oak (146) Quercus pubescens	42	0.14	1.5	109	60	Elite tree
evergreen oak (97) Quercus ilex	41	0.13	1	75	43	Elite tree
downy oak (147) Quercus pubescens	41	0.13	1.7	124	60	Elite tree
evergreen oak (111) Quercus ilex	38	0.11	0.9	70	40	Elite tree
downy oak (63) Quercus pubescens	36	0.1	0.8	58	36	Elite tree
evergreen oak (215) Quercus ilex	36	0.1	0.9	64	6	Elite tree
downy oak (178) Quercus pubescens	35.5	0.1	0.7	55	24	Elite tree
downy oak (18) Quercus pubescens	34	0.09	0.8	57	52	Elite tree
downy oak (230) Quercus pubescens	34	0.09	0.7	52	12	Elite tree
downy oak (14) Quercus pubescens	34	0.09	0.6	48	31	Elite tree
downy oak (139) Quercus pubescens	33.5	0.09	0.8	58	89	Elite tree
downy oak (179) Quercus pubescens	32	0.08	0.5	41	30	Elite tree
mannan ash (3) Fraxinus ornus	29	0.07	0.4	31	4	Elite tree
downy oak (317) Quercus pubescens	29	0.07	0.5	40	6	Elite tree
downy oak (459) Quercus pubescens	29	0.07	0.4	31	63	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus pubescens						
evergreen oak (61) Quercus ilex	27.5	0.06	0.4	31	4	Diversity
evergreen oak (288) Quercus ilex	26	0.05	0.6	45	28	Diversity
downy oak (423) Quercus pubescens	26	0.05	0.3	25	28	Elite tree
downy oak (1) Quercus pubescens	25	0.05	0.3	19	10	Elite tree