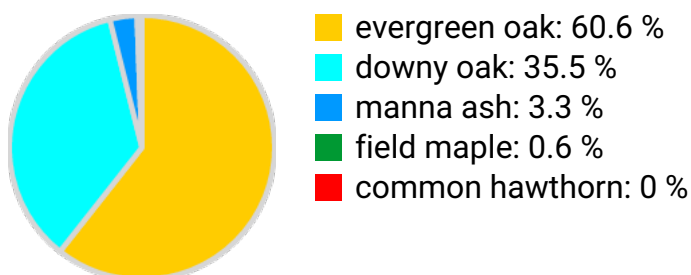
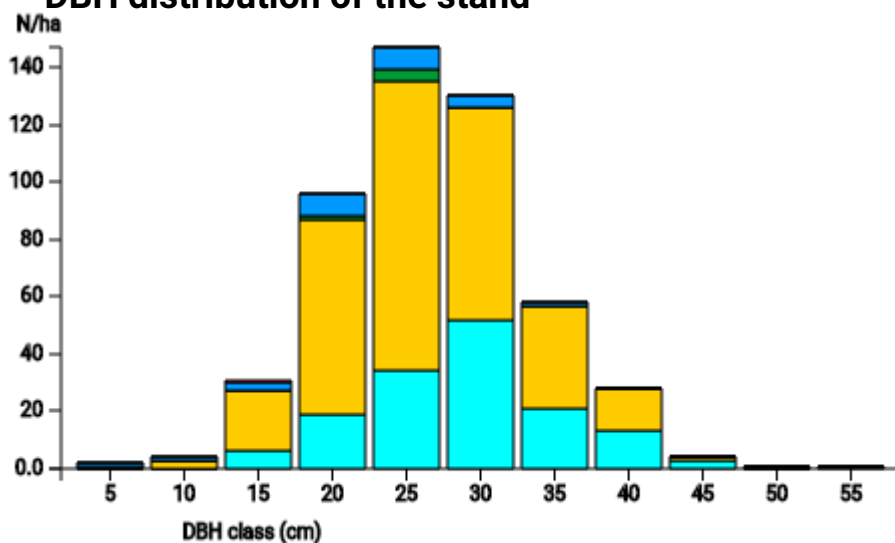


21/05/2021 Ficuzza gruppo C

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

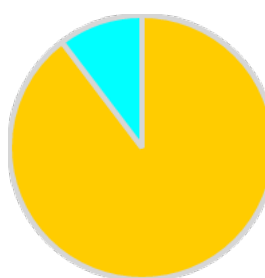
Tree species distribution by volume (in %)**DBH distribution of the stand****Initial stand (details by tree species)**

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

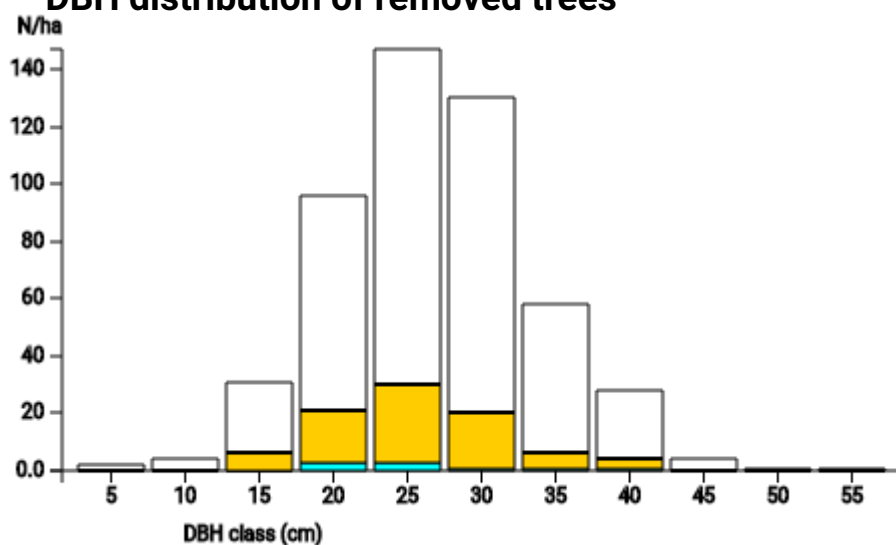
Removed treesVolume: 42.4 m³Basal area: 5.5 m²

Economic value: 3179 €

Habitat value: 791 pts.

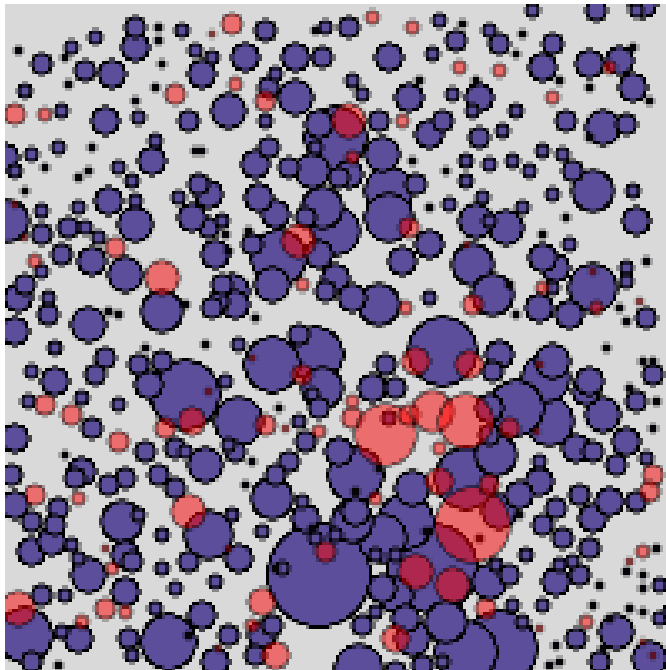
Removed trees (N in %)

- evergreen oak: 89.7 %
- downy oak: 10.3 %
- field maple: 0 %
- manna ash: 0 %
- common hawthorn: 0 %

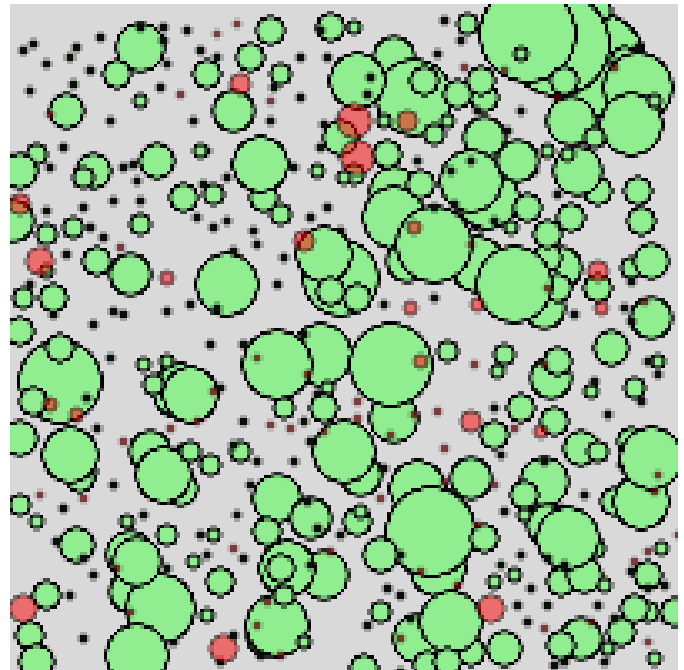
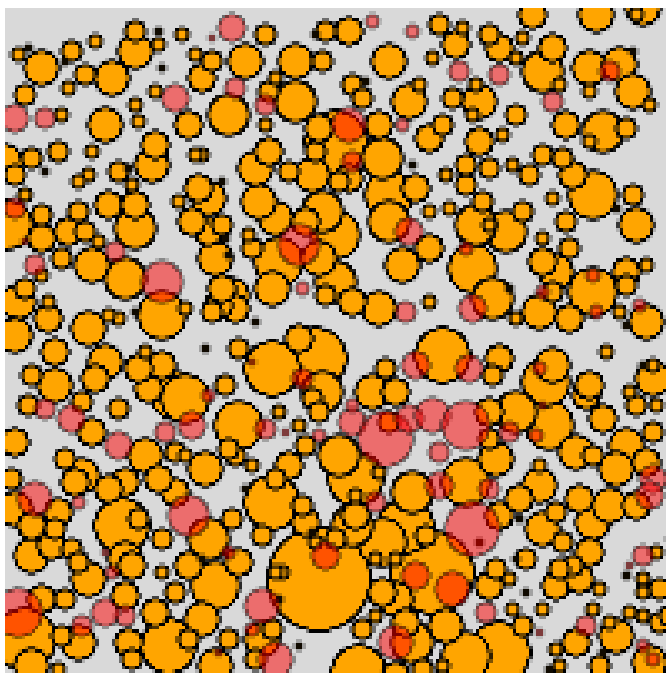
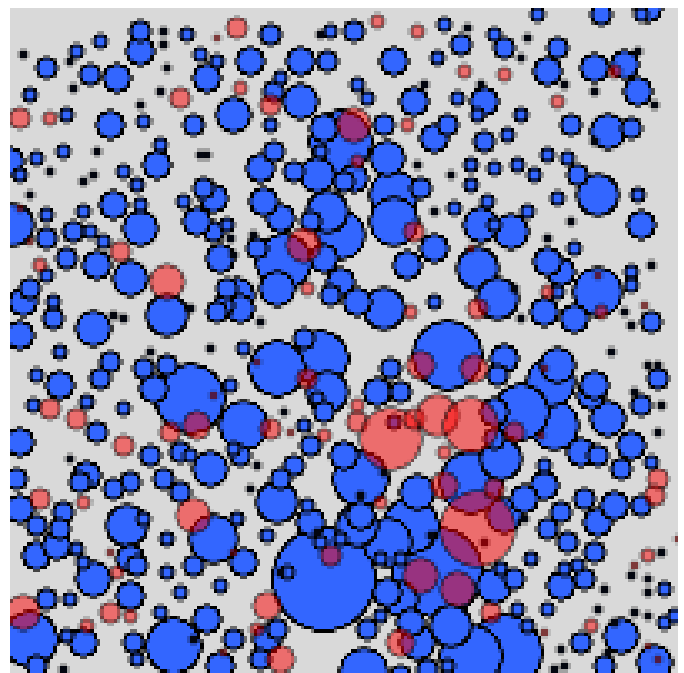
DBH distribution of removed trees**Removed trees (details by tree species)**

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	9	0.6	4.9	370	150	20
evergreen oak	78	4.9	37.4	2808	641	124
field maple	0	0	0	0	0	0
manna ash	0	0	0	0	0	0
Total	87	5.5	42.4	3179	791	144

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.

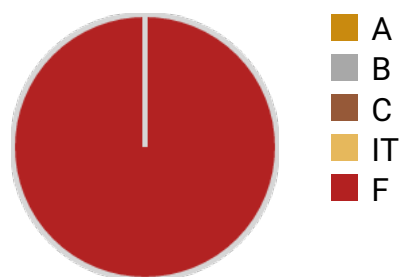
Economic values

Total value of removed trees: 3179 €
 Percentage of total stand value: 15.9 %
 Stand value after harvest: 16754 €

Economic value by tree species [€]

Tree species	Total	Per m ³
downy oak	370	75
evergreen oak	2808	75
field maple	0	0
manna ash	0	0
common hawthorn	0	0
Total	3179	75

Wood quality distribution (m³ in %)



Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	42.4	100

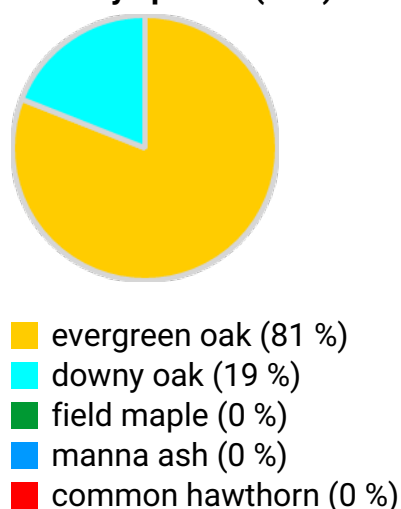
Habitat values

Total habitat value of removed trees: 791 pts.
 Percentage of total stand value: 8.4 %
 Stand value after harvest: 8600 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
downy oak	150	30.4	20
evergreen oak	641	17.1	124
field maple	0	0	0
manna ash	0	0	0
common hawthorn	0	0	0
Total	791	18.7	144

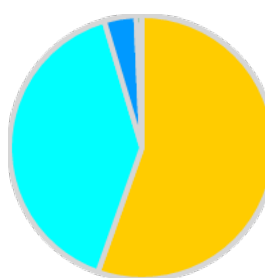
Habitat value (points) of removed trees by species (in %)



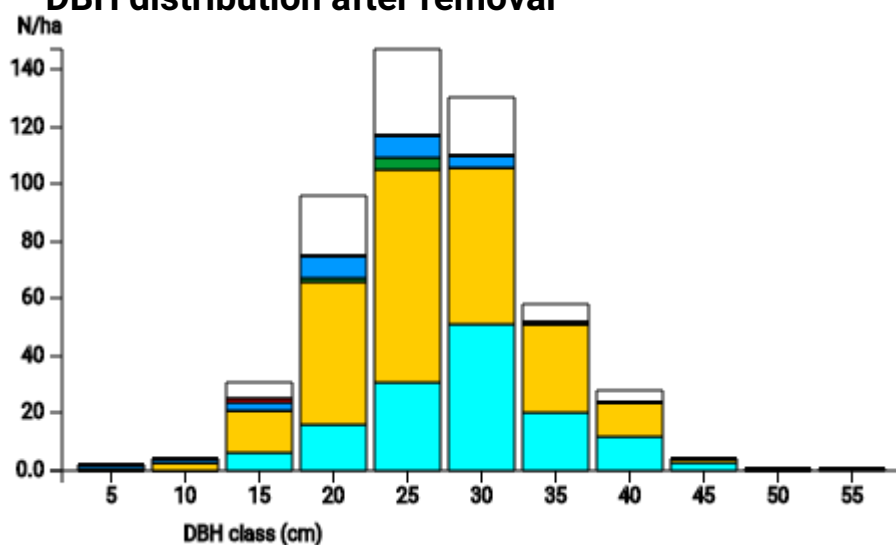
Remaining standVolume: 223.5 m³Basal area: 29.4 m²

Economic value: 16754 €

Habitat value: 8600 pts.

Remaining trees by volume (m³ in %)

- evergreen oak: 55.4 %
- downy oak: 40 %
- manna ash: 3.9 %
- 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	140	11.3	89.4	6704	4006	479
evergreen oak	243	16.4	123.7	9276	3983	554
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	415	29.4	223.4	16754	8600	1098

Retention treesVolume: 43.5 m³

Elite trees: 12

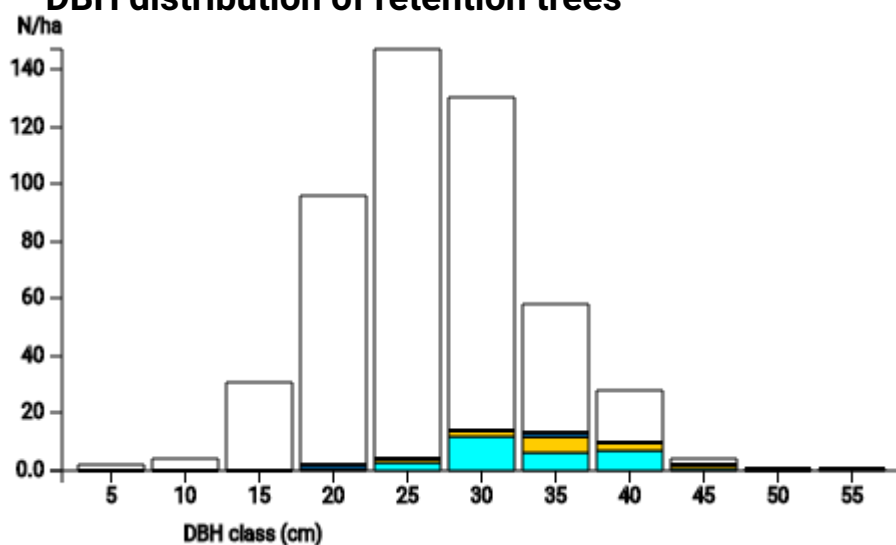
Habitat trees: 29

Economic value: 3263 €

Habitat value: 1897 pts.

Retention trees by volume (m³ in %)

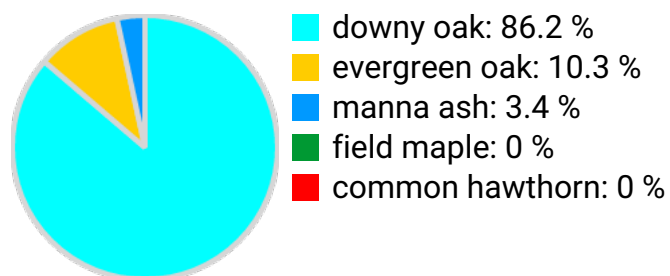
- downy oak: 64.3 %
- evergreen oak: 33.5 %
- manna ash: 2.2 %
- field maple: 0 %
- common hawthorn: 0 %

DBH distribution of retention trees**Retained trees (details by tree species)**

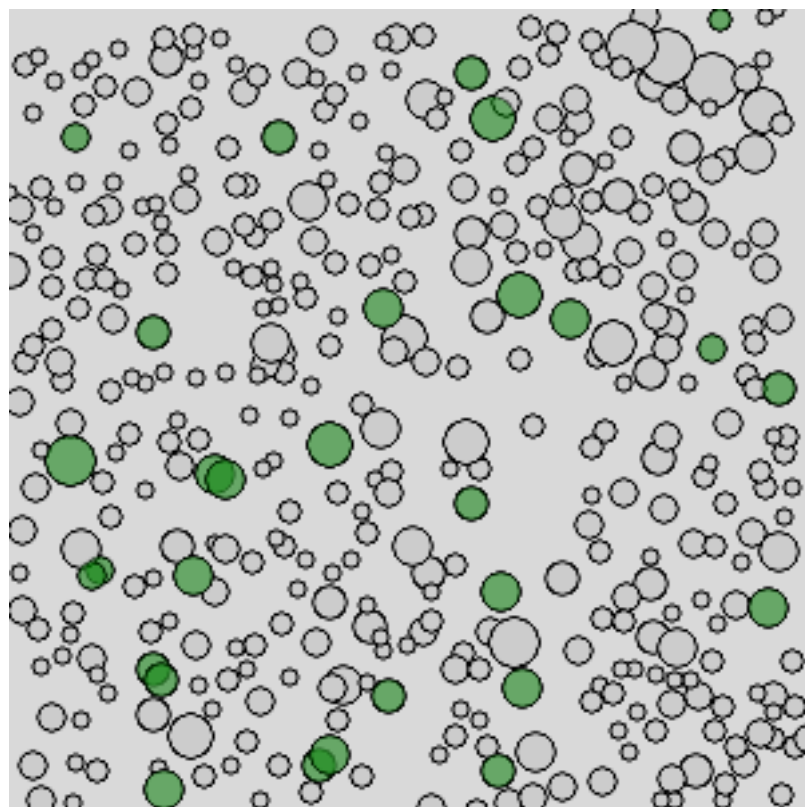
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	0	0	0	0	0	0
downy oak	31	3.3	28	2097	1423	151
evergreen oak	14	1.7	14.6	1094	404	49
field maple	0	0	0	0	0	0
manna ash	2	0.1	1	72	70	10
Total	47	5.2	43.5	3263	1897	210

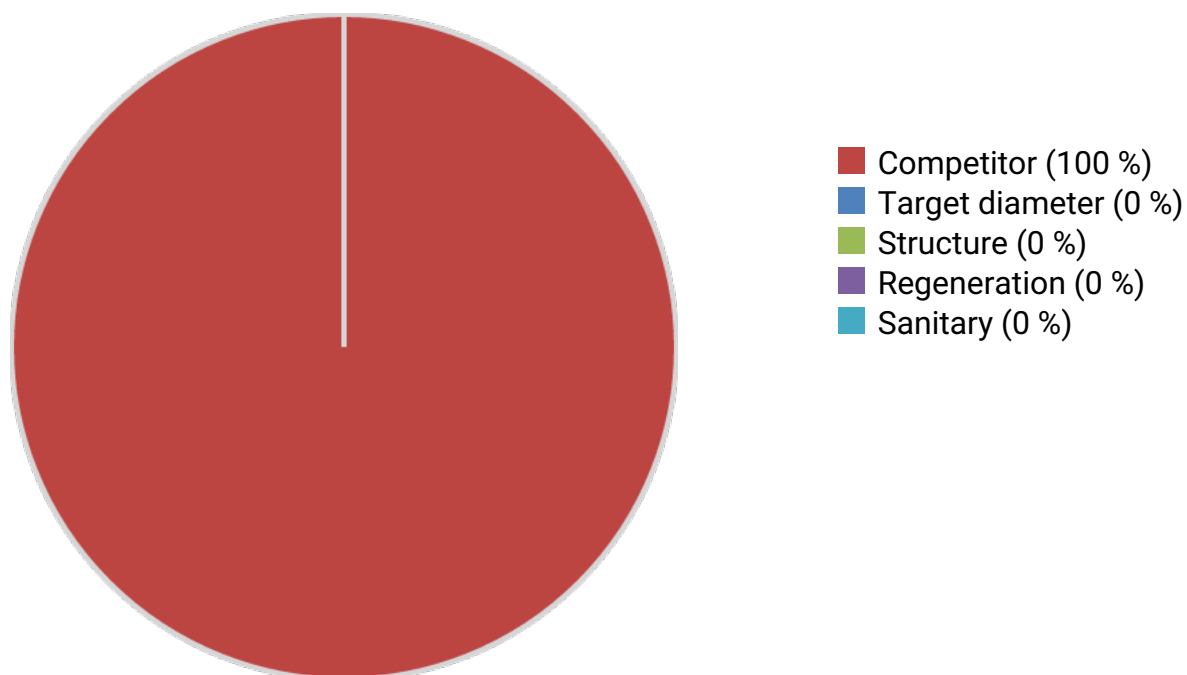
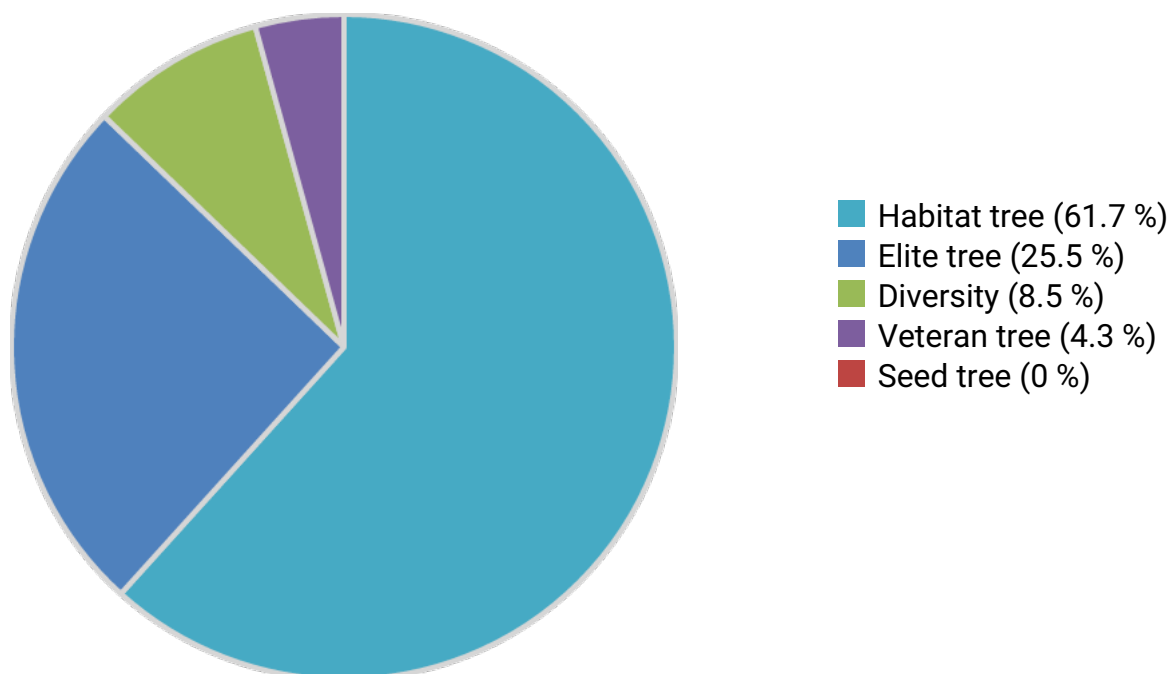
Number of habitat trees	[N]	29
Habitat value	pts.	1513
	[% of total]	16.1
Economic value	[€]	1916
	[% of total]	9.6
Number of microhabitats	[N]	149
	[% of total]	12

Habitat tree distribution by species (N in %)

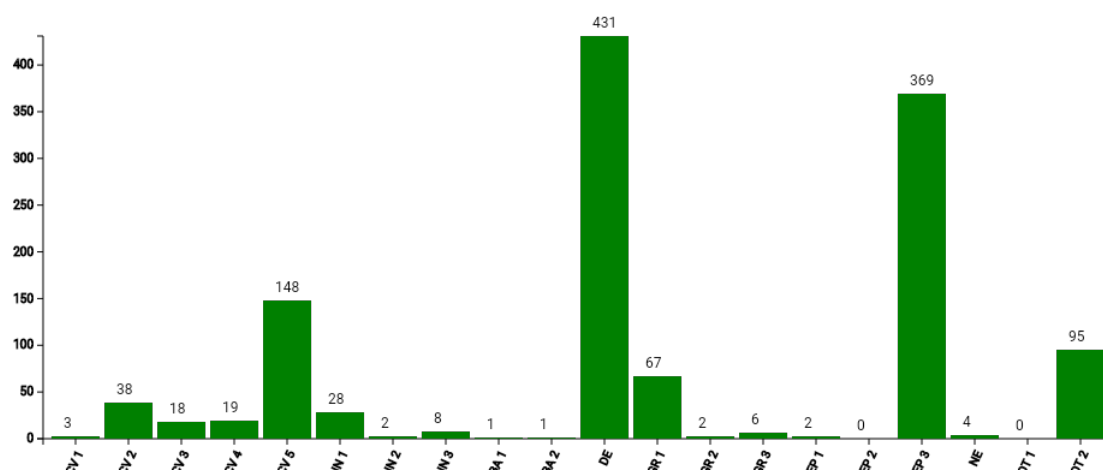


Spatial distribution of habitat trees

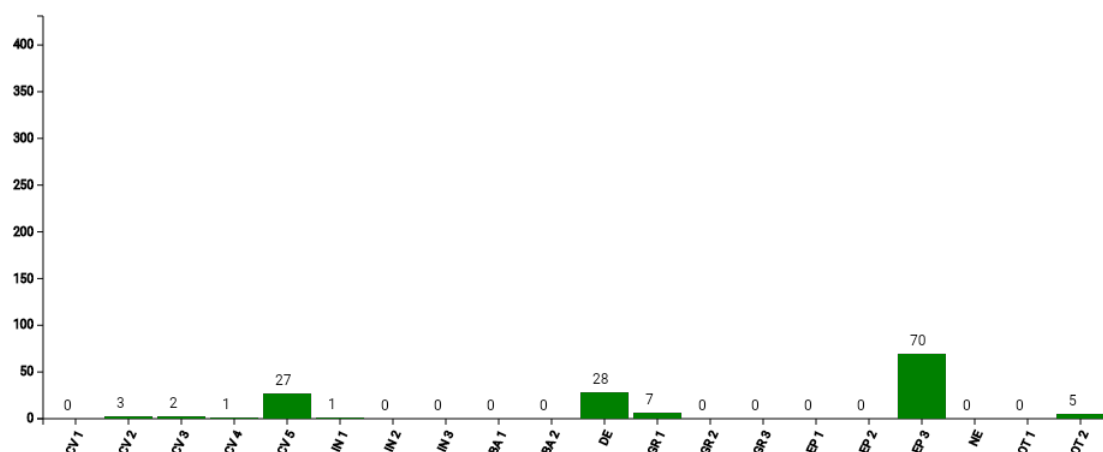


Reasons for removal**Reasons for retention**

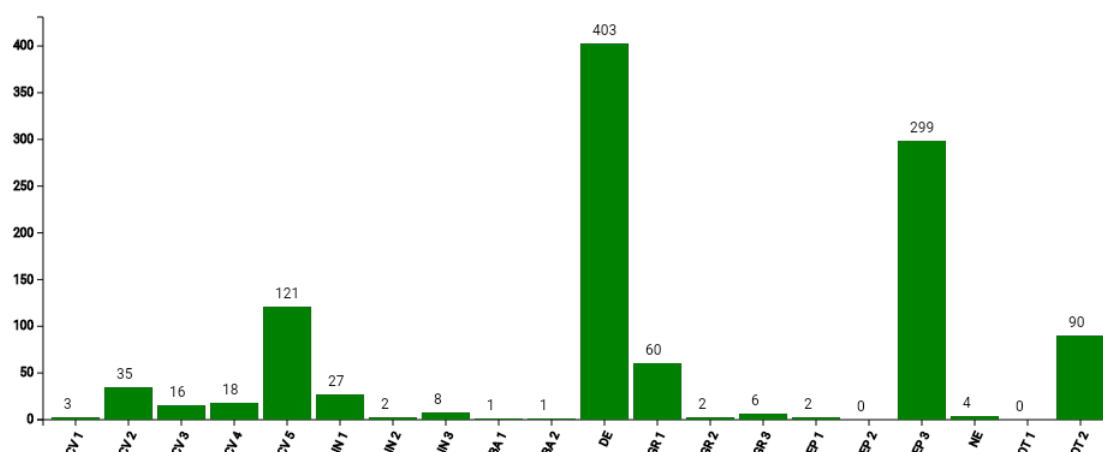
Distribution of tree microhabitats by code (N total)



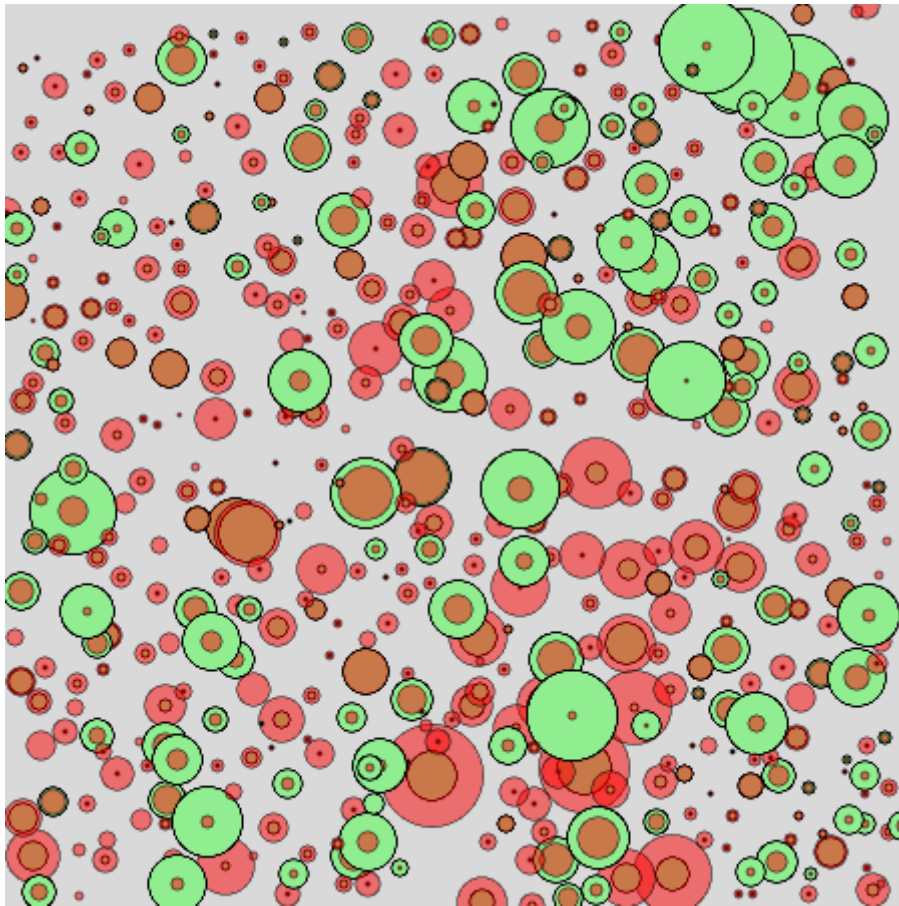
Removed tree microhabitats by code (N removed)



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
downy oak (290) Quercus pubescens	44	0.15	1.5	111	4	Competitor
evergreen oak (314) Quercus ilex	43	0.15	1.8	137	8	Competitor
evergreen oak (275) Quercus ilex	41	0.13	1.4	106	20	Competitor
evergreen oak (234) Quercus ilex	41	0.13	0.9	70	31	Competitor
evergreen oak (191) Quercus ilex	38.5	0.12	0.8	61	0	Competitor
downy oak (85) Quercus pubescens	38	0.11	0.9	70	24	Competitor
evergreen oak (110) Quercus ilex	37	0.11	0.8	61	16	Competitor
evergreen oak (274) Quercus ilex	36	0.1	1.1	84	4	Competitor
evergreen oak (343) Quercus ilex	35.5	0.1	0.9	67	8	Competitor
evergreen oak (427) Quercus ilex	35	0.1	0.9	70	38	Competitor
downy oak (250) Quercus pubescens	34	0.09	0.6	47	4	Competitor
evergreen oak (229) Quercus ilex	34	0.09	0.6	47	4	Competitor
evergreen oak (369) Quercus ilex	34	0.09	0.8	57	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 (255) Quercus ilex	32	0.08	0.6	49	16	Competitor
evergreen oak (32) Quercus ilex	32	0.08	0.6	45	4	Competitor
evergreen oak (37) Quercus ilex	31.5	0.08	0.5	34	3	Competitor
evergreen oak (226) Quercus ilex	31	0.08	0.6	44	4	Competitor
evergreen oak (386) Quercus ilex	31	0.08	0.5	41	4	Competitor
evergreen oak (291) Quercus ilex	31	0.08	0.5	39	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (385) Quercus ilex	31	0.08	0.5	39	4	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) Quercus ilex	30	0.07	0.5	37	10	Competitor
evergreen oak (468) Quercus ilex	30	0.07	0.6	45	14	Competitor
evergreen oak (295) Quercus ilex	30	0.07	0.7	51	4	Competitor
evergreen oak (162) Quercus ilex	30	0.07	0.5	39	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 (307) Quercus ilex	29	0.07	0.4	28	4	Competitor
evergreen oak (287) Quercus ilex	29	0.07	0.6	42	4	Competitor
evergreen oak (382) Quercus ilex	29	0.07	0.4	31	4	Competitor
evergreen oak (306) Quercus ilex	28	0.06	0.5	37	8	Competitor
downy oak (98) Quercus pubescens	28	0.06	0.4	30	30	Competitor
evergreen oak (421) Quercus ilex	28	0.06	0.4	31	4	Competitor
evergreen oak (100) Quercus ilex	28	0.06	0.5	34	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (413) Quercus ilex	28	0.06	0.4	31	8	Competitor
evergreen oak (135) Quercus ilex	28	0.06	0.6	42	10	Competitor
evergreen oak (240) Quercus ilex	28	0.06	0.4	33	0	Competitor
evergreen oak (36) Quercus ilex	28	0.06	0.4	32	4	Competitor
evergreen oak (159) Quercus ilex	27.5	0.06	0.5	35	4	Competitor
evergreen oak (142) Quercus ilex	27	0.06	0.5	39	14	Competitor
evergreen oak (416) Quercus ilex	26.5	0.06	0.4	28	8	Competitor
evergreen oak (351) Quercus ilex	26	0.05	0.5	35	27	Competitor
evergreen oak (441) Quercus ilex	26	0.05	0.4	31	39	Competitor
evergreen oak (488) Quercus ilex	26	0.05	0.4	32	12	Competitor
evergreen oak (232) Quercus ilex	26	0.05	0.3	24	8	Competitor
evergreen oak (289) Quercus ilex	26	0.05	0.4	31	10	Competitor
evergreen oak (354) Quercus ilex	26	0.05	0.4	26	8	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 (156) Quercus ilex	25.5	0.05	0.5	35	4	Competitor
evergreen oak (381) Quercus ilex	25	0.05	0.3	20	0	Competitor
evergreen oak (391) Quercus ilex	25	0.05	0.3	26	0	Competitor
downy oak (429) Quercus pubescens	25	0.05	0.4	27	20	Competitor
evergreen oak (246) Quercus ilex	24.5	0.05	0.3	24	10	Competitor
evergreen oak (170)	24.5	0.05	0.3	23	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (214) Quercus ilex	24.5	0.05	0.4	26	4	Competitor
evergreen oak (271) Quercus ilex	24	0.05	0.3	26	4	Competitor
downy oak (481) Quercus pubescens	24	0.05	0.2	19	20	Competitor
evergreen oak (496) Quercus ilex	24	0.05	0.3	20	8	Competitor
evergreen oak (492) Quercus ilex	24	0.05	0.3	24	8	Competitor
evergreen oak (384) Quercus ilex	24	0.05	0.2	17	8	Competitor
evergreen oak (499) Quercus ilex	24	0.05	0.3	23	16	Competitor
evergreen oak (392) Quercus ilex	23.5	0.04	0.3	22	0	Competitor
evergreen oak (184) Quercus ilex	23.5	0.04	0.3	25	7	Competitor
evergreen oak (148) Quercus ilex	23	0.04	0.2	18	8	Competitor
evergreen oak (104) Quercus ilex	23	0.04	0.3	22	0	Competitor
evergreen oak (361) Quercus ilex	22	0.04	0.2	19	4	Competitor
downy oak (286) Quercus pubescens	22	0.04	0.3	19	16	Competitor
downy oak (471) Quercus pubescens	22	0.04	0.3	21	10	Competitor
evergreen oak (208) Quercus ilex	22	0.04	0.3	20	4	Competitor
evergreen oak (267) Quercus ilex	21	0.04	0.2	14	8	Competitor
evergreen oak (198) Quercus ilex	20	0.03	0.2	16	0	Competitor
evergreen oak (320) Quercus ilex	20	0.03	0.2	13	7	Competitor
evergreen oak (131) Quercus ilex	20	0.03	0.2	15	10	Competitor
evergreen oak (366) Quercus ilex	19.5	0.03	0.2	18	4	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (252) Quercus ilex	19	0.03	0.2	14	31	Competitor
evergreen oak (8) Quercus ilex	18	0.03	0.2	13	10	Competitor
evergreen oak (96) Quercus ilex	18	0.03	0.2	12	0	Competitor
evergreen oak (155) Quercus ilex	16.5	0.02	0.2	11	4	Competitor
evergreen oak (278) Quercus ilex	16	0.02	0.1	8	0	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
downy oak (227) Quercus pubescens	59	0.27	2.6	192	50	Habitat tree
evergreen oak (344) Quercus ilex	53	0.22	2.3	173	58	Habitat tree
downy oak (235) Quercus pubescens	45.5	0.16	1.3	99	32	Elite tree
evergreen oak (426) Quercus ilex	45	0.16	1.6	121	38	Elite tree
downy oak (256) Quercus pubescens	44	0.15	1.8	134	22	Elite tree
downy oak (243) Quercus pubescens	43.5	0.15	1.4	105	10	Elite tree
downy oak (371) Quercus pubescens	43	0.15	1.3	96	28	Elite tree
evergreen oak (132) Quercus ilex	42.5	0.14	1.3	98	72	Habitat tree
evergreen oak (285) Quercus ilex	42	0.14	1.2	89	31	Elite tree
downy oak (485) Quercus pubescens	42	0.14	1	74	54	Habitat tree
downy oak (494) Quercus pubescens	42	0.14	1.2	87	30	Habitat tree
downy oak (146) Quercus pubescens	42	0.14	1.5	109	60	Habitat 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	Habitat tree
downy oak (157) Quercus pubescens	39.5	0.12	1.2	92	10	Elite tree
evergreen oak (435) Quercus ilex	39	0.12	0.9	69	14	Diversity
evergreen oak (455) Quercus ilex	39	0.12	1.2	87	64	Veteran tree
evergreen oak (491) Quercus ilex	38.5	0.12	1	77	14	Elite tree
downy oak (294) Quercus pubescens	38	0.11	0.9	71	58	Habitat tree
evergreen oak (111) Quercus ilex	38	0.11	0.9	70	40	Habitat tree
downy oak (368)	37	0.11	0.8	64	48	Habitat tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus pubescens						
downy oak (41) Quercus pubescens	37	0.11	0.8	63	46	Habitat tree
evergreen oak (29) Quercus ilex	36.5	0.11	0.9	65	4	Diversity
evergreen oak (215) Quercus ilex	36	0.1	0.9	64	6	Veteran tree
downy oak (178) Quercus pubescens	35.5	0.1	0.7	55	24	Habitat tree
mannan ash (247) Fraxinus ornus	35.5	0.1	0.7	55	46	Habitat tree
downy oak (407) Quercus pubescens	35	0.1	0.7	51	44	Habitat tree
downy oak (181) Quercus pubescens	34.5	0.09	0.7	52	24	Elite tree
downy oak (213) Quercus pubescens	34	0.09	0.6	48	49	Habitat tree
downy oak (497) Quercus pubescens	34	0.09	0.6	43	40	Habitat tree
downy oak (424) Quercus pubescens	34	0.09	0.7	52	82	Habitat tree
downy oak (86) Quercus pubescens	34	0.09	0.8	59	58	Habitat tree
downy oak (396) Quercus pubescens	33.5	0.09	0.6	43	20	Habitat tree
downy oak (139) Quercus pubescens	33.5	0.09	0.8	58	89	Habitat tree
evergreen oak (195) Quercus ilex	33	0.09	0.6	45	16	Diversity
downy oak (301) Quercus pubescens	32	0.08	0.6	46	60	Habitat tree
downy oak (179) Quercus pubescens	32	0.08	0.5	41	30	Habitat tree
downy oak (470) Quercus pubescens	31	0.08	0.6	49	76	Habitat tree
evergreen oak (176) Quercus ilex	30.5	0.07	0.5	37	0	Elite tree
downy oak (175) Quercus pubescens	30	0.07	0.5	36	60	Habitat tree
downy oak (212) Quercus pubescens	30	0.07	0.6	43	50	Habitat tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
downy oak (248) Quercus pubescens	28.5	0.06	0.5	39	62	Habitat tree
evergreen oak (130) Quercus ilex	28.5	0.06	0.3	24	4	Diversity
downy oak (242) Quercus pubescens	28.5	0.06	0.3	21	62	Habitat tree
downy oak (272) Quercus pubescens	28	0.06	0.4	29	51	Habitat tree
downy oak (35) Quercus pubescens	24.5	0.05	0.3	24	34	Habitat tree
manna ash (447) Fraxinus ornus	23	0.04	0.2	16	24	Elite tree