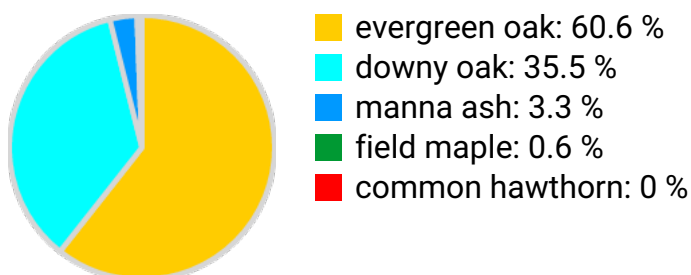
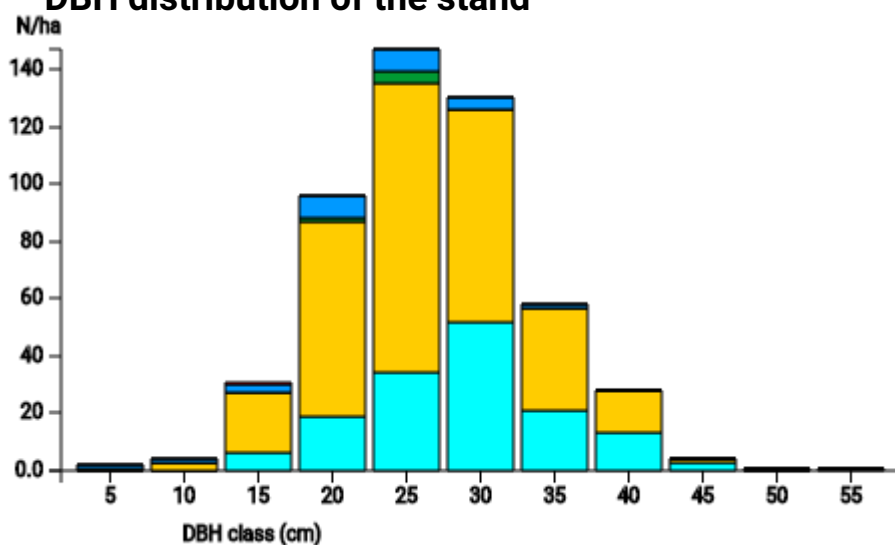


21/05/2021 Ficuzza gruppoA

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

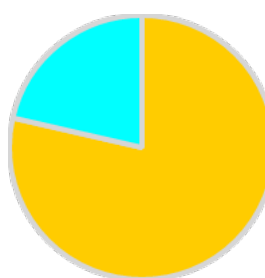
Tree species distribution by volume (in %)**DBH distribution of the stand****Initial stand (details by tree species)**

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

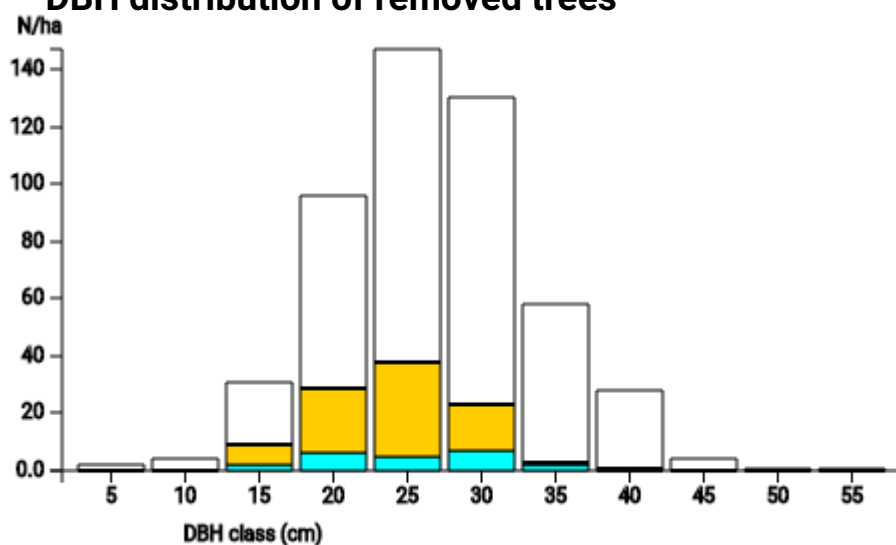
Removed treesVolume: 43.5 m³Basal area: 5.8 m²

Economic value: 3261 €

Habitat value: 1048 pts.

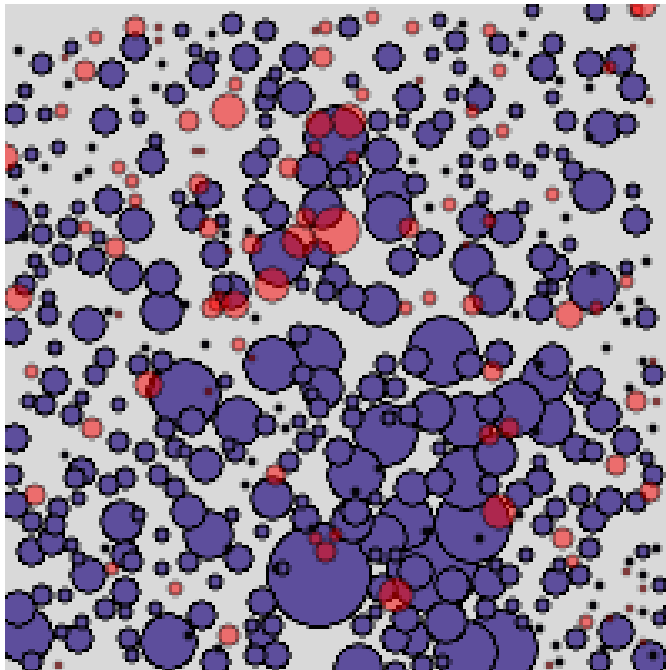
Removed trees (N in %)

evergreen oak: 78.6 %
 downy oak: 21.4 %
 field maple: 0 %
 manna ash: 0 %
 common hawthorn: 0 %

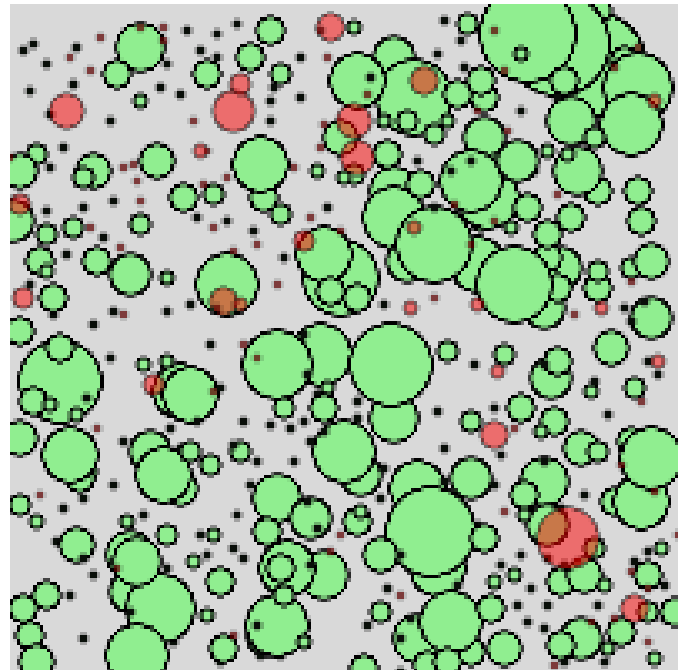
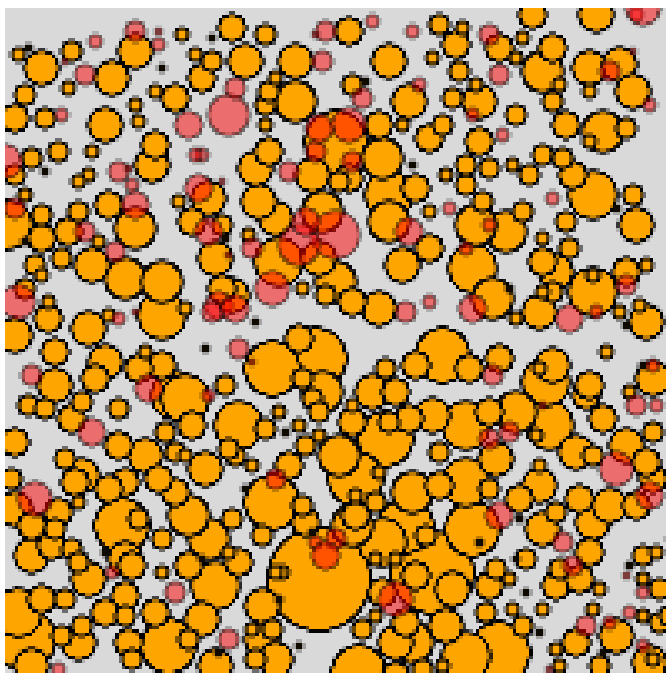
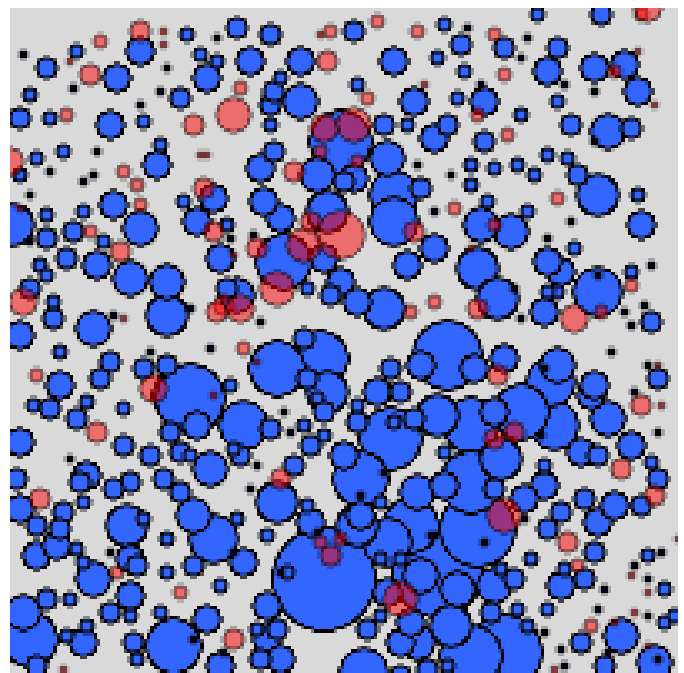
DBH distribution of removed trees**Removed trees (details by tree species)**

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	22	1.4	10.7	801	364	54
evergreen oak	81	4.5	32.8	2459	684	128
field maple	0	0	0	0	0	0
manna ash	0	0	0	0	0	0
Total	103	5.8	43.5	3261	1048	182

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

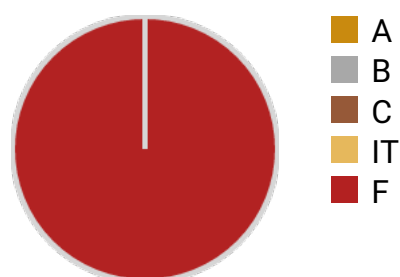
Total value of removed trees: 3261 €

Percentage of total stand value: 16.4 %

Stand value after harvest: 16672 €

Economic value by tree species [€]

Tree species	Total	Per m ³
downy oak	801	75
evergreen oak	2459	75
field maple	0	0
manna ash	0	0
common hawthorn	0	0
Total	3261	75

**Wood quality distribution
(m³ in %)**

Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	43.5	100

Habitat values

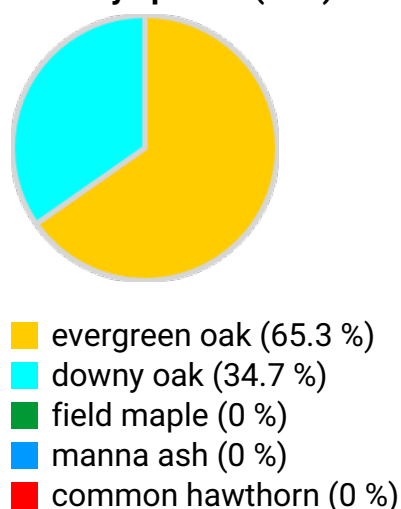
Total habitat value of removed trees: 1048 pts.

Percentage of total stand value: 11.2 %

Stand value after harvest: 8343 pts.

Habitat value by tree species [pts.]

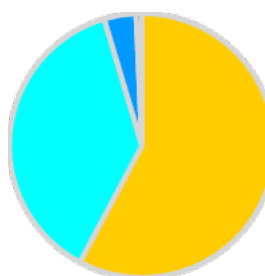
Tree species	Total	Per m ³	Microhabitats [N]
downy oak	364	34.1	54
evergreen oak	684	20.9	128
field maple	0	0	0
manna ash	0	0	0
common hawthorn	0	0	0
Total	1048	24.1	182

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

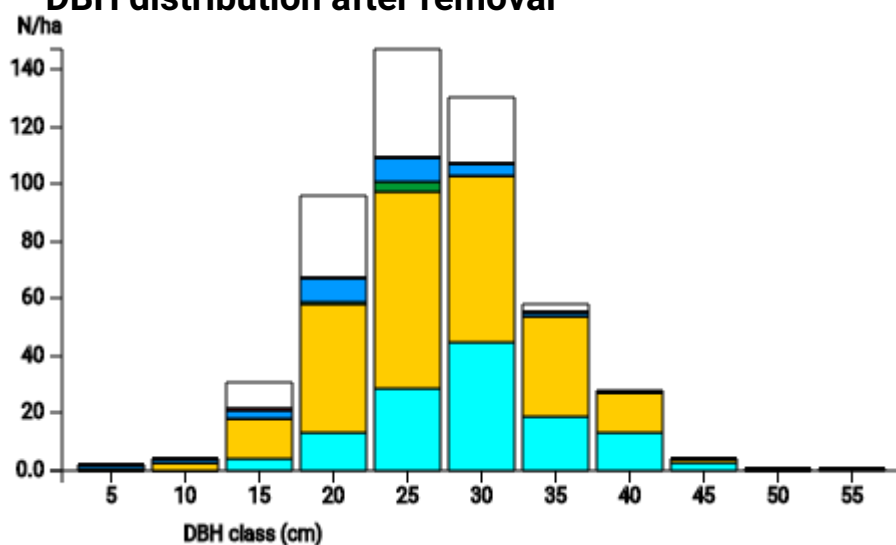
Remaining standVolume: 222.4 m³Basal area: 29 m²

Economic value: 16672 €

Habitat value: 8343 pts.

Remaining trees by volume (m³ in %)

- evergreen oak: 57.7 %
- downy oak: 37.6 %
- 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	127	10.6	83.6	6273	3792	445
evergreen oak	240	16.8	128.3	9625	3940	550
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	399	29	222.3	16672	8343	1060

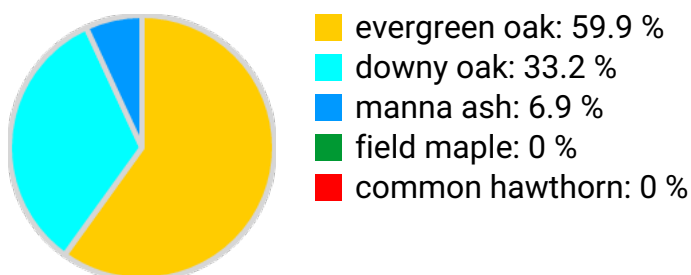
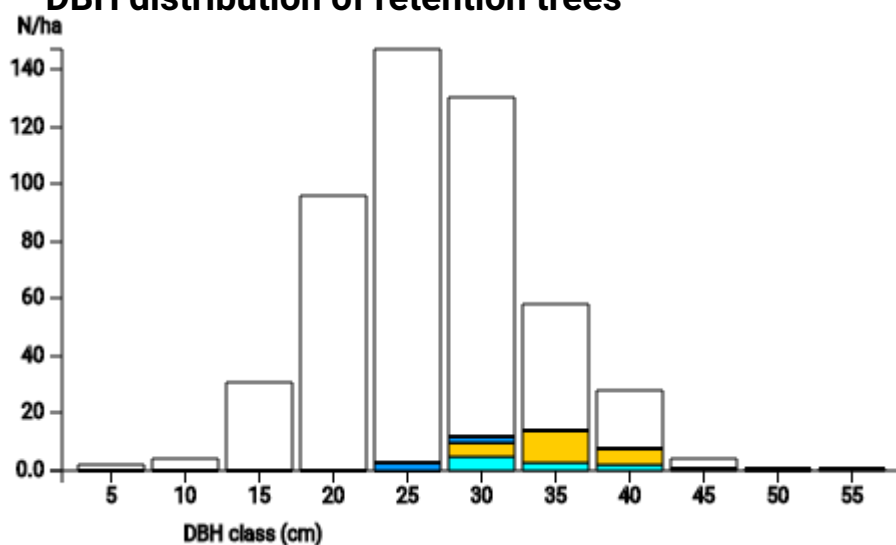
Retention treesVolume: 35.4 m³

Elite trees: 38

Habitat trees: 0

Economic value: 2651 €

Habitat value: 1111 pts.

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

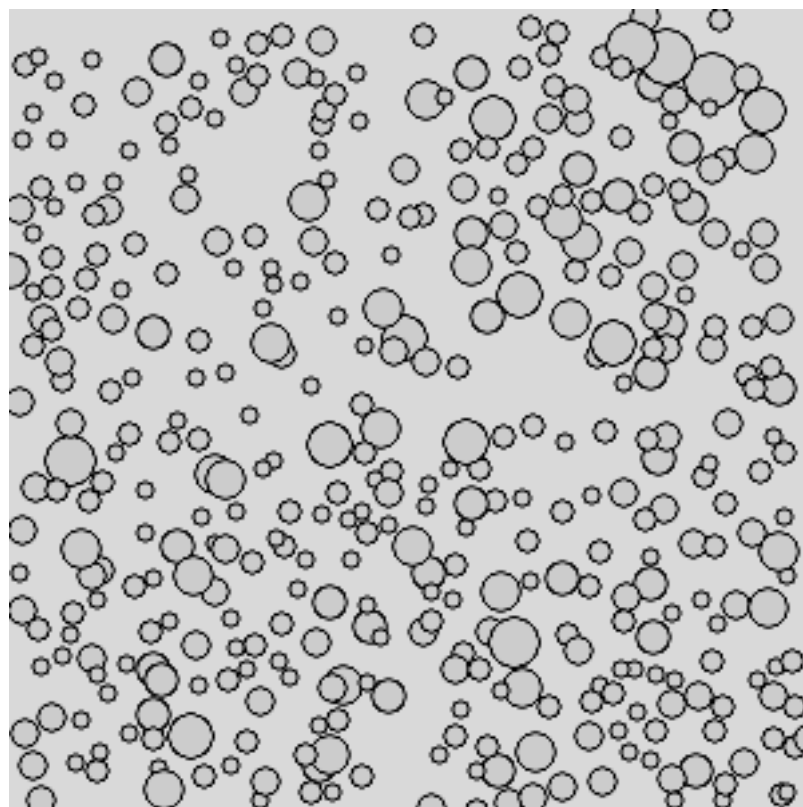
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	0	0	0	0	0	0
downy oak	12	1.5	11.7	879	473	56
evergreen oak	23	2.6	21.2	1589	532	70
field maple	0	0	0	0	0	0
manna ash	5	0.4	2.4	183	106	12
Total	40	4.4	35.3	2651	1111	138

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

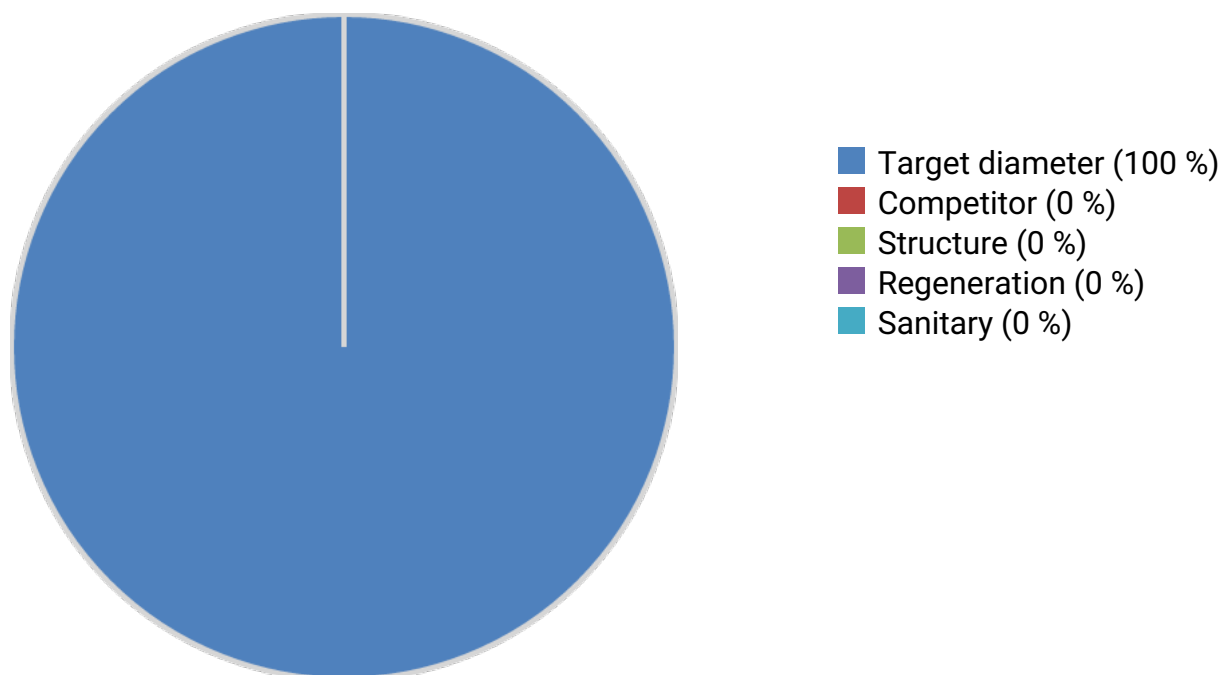
Habitat tree distribution by species (N in %)

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

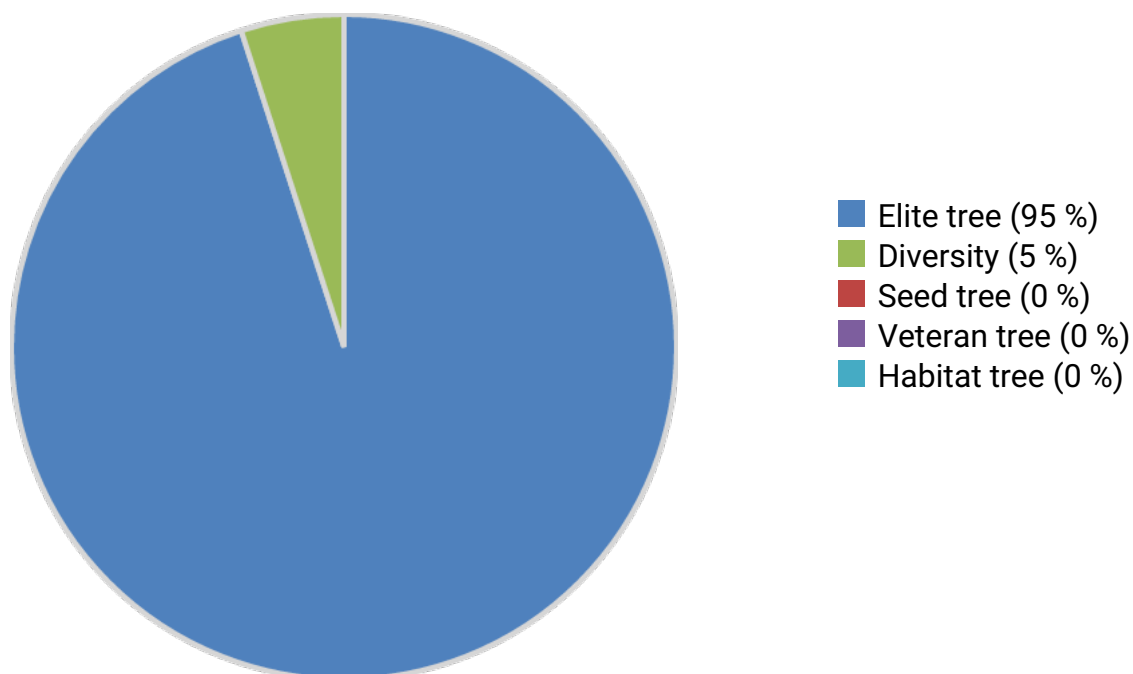
Spatial distribution of habitat trees



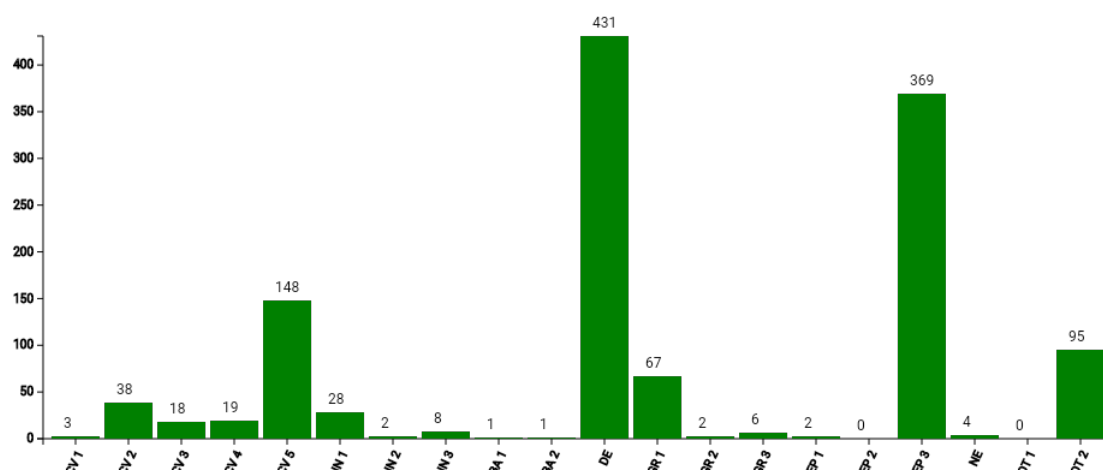
Reasons for removal



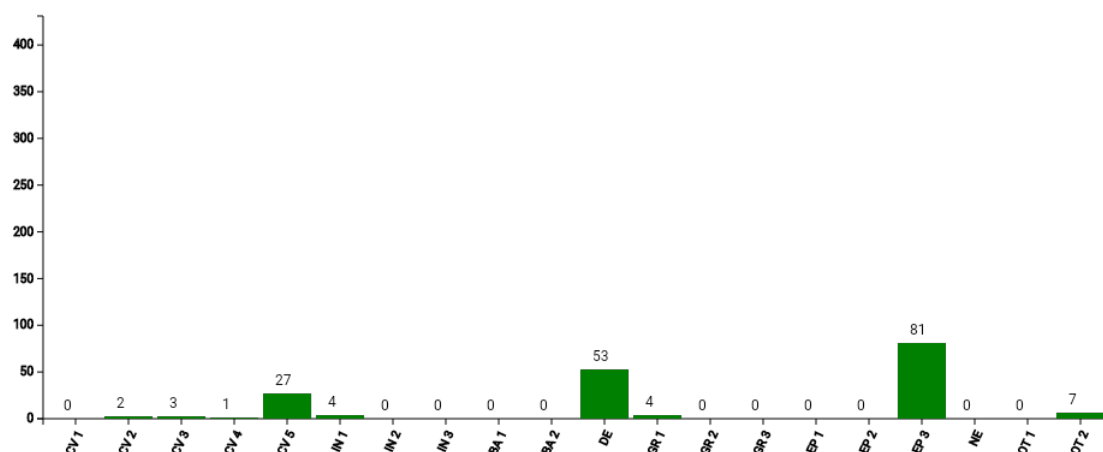
Reasons for retention



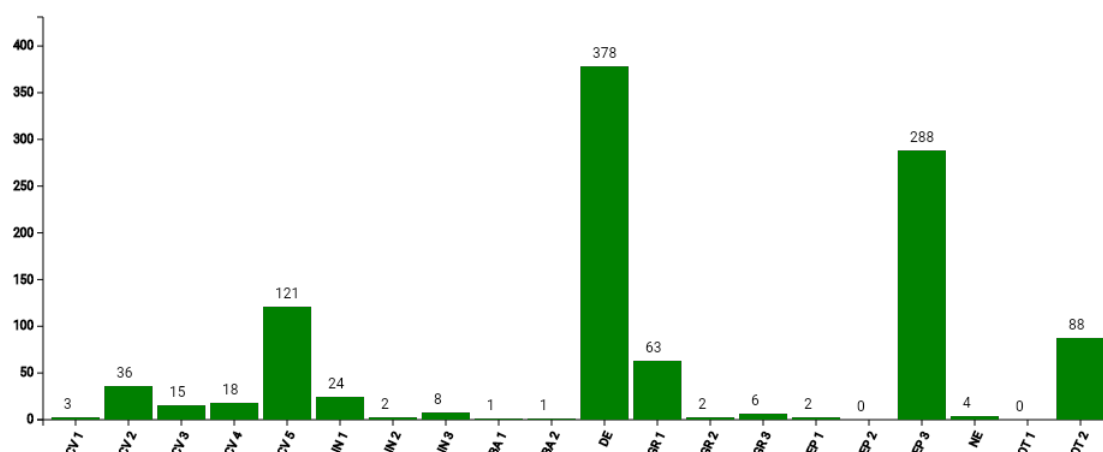
Distribution of tree microhabitats by code (N total)



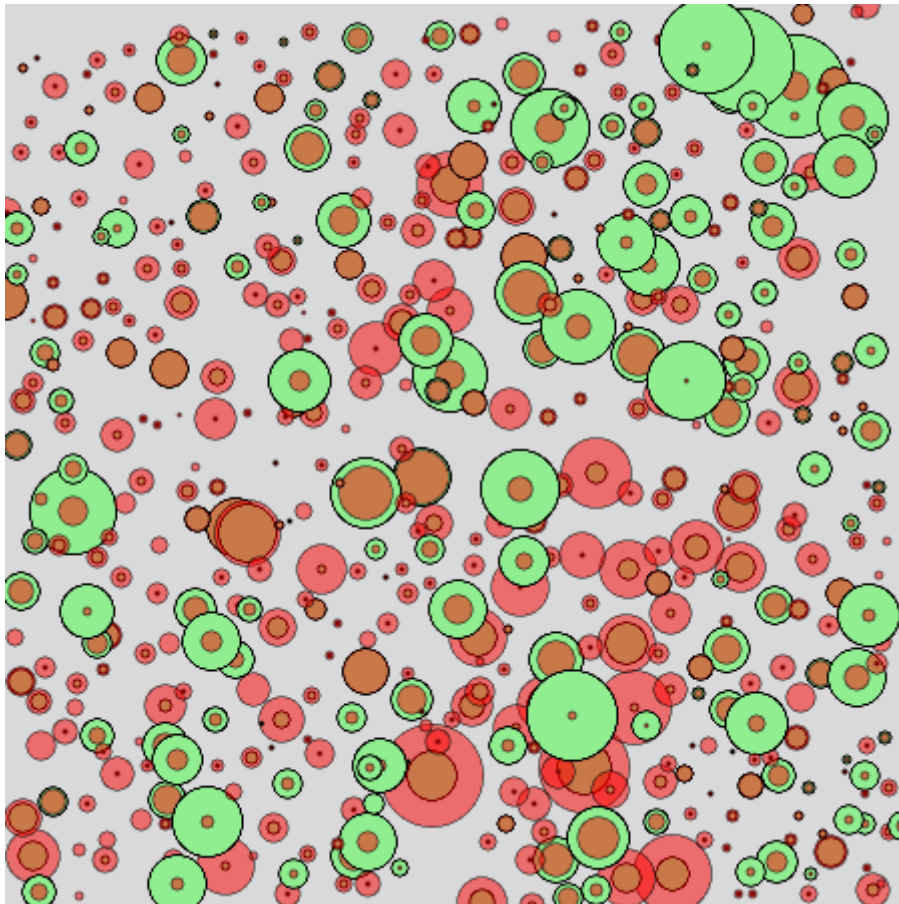
Removed tree microhabitats by code (N removed)



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 (454) Quercus ilex	40	0.13	1.2	89	10	Target diameter
downy oak (85) Quercus pubescens	38	0.11	0.9	70	24	Target diameter
downy oak (41) Quercus pubescens	37	0.11	0.8	63	46	Target diameter
evergreen oak (427) Quercus ilex	35	0.1	0.9	70	38	Target diameter
downy oak (103) Quercus pubescens	34	0.09	0.9	64	10	Target diameter
evergreen oak (348) Quercus ilex	34	0.09	0.8	62	4	Target diameter
evergreen oak (398) Quercus ilex	34	0.09	0.7	49	0	Target diameter
evergreen oak (299) Quercus ilex	34	0.09	0.6	41	4	Target diameter
evergreen oak (56) Quercus ilex	34	0.09	0.7	56	4	Target diameter
evergreen oak (115) Quercus ilex	33.5	0.09	0.6	49	18	Target diameter
evergreen oak (182) Quercus ilex	33.5	0.09	0.5	36	6	Target diameter
evergreen oak (315) Quercus ilex	33	0.09	0.8	60	10	Target diameter
downy oak (64) Quercus pubescens	33	0.09	0.6	44	10	Target diameter
downy oak (107) Quercus pubescens	32.5	0.08	0.8	58	16	Target diameter
downy oak (82) Quercus pubescens	32	0.08	0.6	46	10	Target diameter
evergreen oak (500) Quercus ilex	32	0.08	0.6	47	4	Target diameter
evergreen oak (44) Quercus ilex	32	0.08	0.6	48	4	Target diameter
evergreen oak (226) Quercus ilex	31	0.08	0.6	44	4	Target diameter
evergreen oak (80) Quercus ilex	31	0.08	0.4	34	10	Target diameter
downy oak (40) Quercus pubescens	31	0.08	0.6	46	10	Target diameter
downy oak (145)	31	0.08	0.7	51	24	Target diameter

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus pubescens						
evergreen oak (385) Quercus ilex	31	0.08	0.5	39	4	Target diameter
evergreen oak (490) Quercus ilex	31	0.08	0.6	42	14	Target diameter
downy oak (108) Quercus pubescens	30.5	0.07	0.6	46	28	Target diameter
evergreen oak (468) Quercus ilex	30	0.07	0.6	45	14	Target diameter
evergreen oak (69) Quercus ilex	30	0.07	0.5	41	10	Target diameter
evergreen oak (161) Quercus ilex	30	0.07	0.5	36	8	Target diameter
downy oak (12) Quercus pubescens	29	0.07	0.4	34	4	Target diameter
evergreen oak (287) Quercus ilex	29	0.07	0.6	42	4	Target diameter
evergreen oak (130) Quercus ilex	28.5	0.06	0.3	24	4	Target diameter
evergreen oak (268) Quercus ilex	28	0.06	0.5	37	12	Target diameter
evergreen oak (100) Quercus ilex	28	0.06	0.5	34	4	Target diameter
evergreen oak (413) Quercus ilex	28	0.06	0.4	31	8	Target diameter
evergreen oak (280) Quercus ilex	28	0.06	0.5	36	8	Target diameter
evergreen oak (47) Quercus ilex	28	0.06	0.5	35	8	Target diameter
evergreen oak (187) Quercus ilex	28	0.06	0.5	35	0	Target diameter
evergreen oak (109) Quercus ilex	28	0.06	0.5	35	4	Target diameter
evergreen oak (245) Quercus ilex	27.5	0.06	0.5	35	8	Target diameter
evergreen oak (61) Quercus ilex	27.5	0.06	0.4	31	4	Target diameter
evergreen oak (221) Quercus ilex	27	0.06	0.4	31	0	Target diameter
evergreen oak (23) Quercus ilex	27	0.06	0.6	43	10	Target diameter

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (333) Quercus ilex	27	0.06	0.4	34	4	Target diameter
downy oak (5) Quercus pubescens	27	0.06	0.5	38	10	Target diameter
evergreen oak (140) Quercus ilex	27	0.06	0.4	27	0	Target diameter
evergreen oak (322) Quercus ilex	27	0.06	0.5	35	66	Target diameter
evergreen oak (84) Quercus ilex	27	0.06	0.5	37	8	Target diameter
downy oak (389) Quercus pubescens	27	0.06	0.4	33	30	Target diameter
evergreen oak (416) Quercus ilex	26.5	0.06	0.4	28	8	Target diameter
evergreen oak (204) Quercus ilex	26.5	0.06	0.4	33	4	Target diameter
evergreen oak (441) Quercus ilex	26	0.05	0.4	31	39	Target diameter
evergreen oak (93) Quercus ilex	26	0.05	0.4	32	10	Target diameter
evergreen oak (288) Quercus ilex	26	0.05	0.6	45	28	Target diameter
evergreen oak (45) Quercus ilex	26	0.05	0.4	29	10	Target diameter
evergreen oak (488) Quercus ilex	26	0.05	0.4	32	12	Target diameter
evergreen oak (425) Quercus ilex	26	0.05	0.3	25	8	Target diameter
evergreen oak (480) Quercus ilex	26	0.05	0.3	25	8	Target diameter
evergreen oak (404) Quercus ilex	26	0.05	0.3	25	10	Target diameter
evergreen oak (354) Quercus ilex	26	0.05	0.4	26	8	Target diameter
evergreen oak (76) Quercus ilex	26	0.05	0.3	21	20	Target diameter
downy oak (31) Quercus pubescens	25.5	0.05	0.4	27	22	Target diameter
evergreen oak (466) Quercus ilex	25	0.05	0.4	29	8	Target diameter
evergreen oak (391) Quercus ilex	25	0.05	0.3	26	0	Target diameter

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (4) Quercus ilex	25	0.05	0.3	26	4	Target diameter
evergreen oak (437) Quercus ilex	25	0.05	0.3	23	4	Target diameter
downy oak (457) Quercus pubescens	25	0.05	0.4	29	6	Target diameter
downy oak (35) Quercus pubescens	24.5	0.05	0.3	24	34	Target diameter
evergreen oak (214) Quercus ilex	24.5	0.05	0.4	26	4	Target diameter
evergreen oak (120) Quercus ilex	24	0.05	0.3	20	4	Target diameter
downy oak (50) Quercus pubescens	24	0.05	0.3	19	10	Target diameter
evergreen oak (262) Quercus ilex	24	0.05	0.3	19	14	Target diameter
evergreen oak (397) Quercus ilex	24	0.05	0.3	24	0	Target diameter
evergreen oak (74) Quercus ilex	24	0.05	0.3	24	4	Target diameter
evergreen oak (384) Quercus ilex	24	0.05	0.2	17	8	Target diameter
evergreen oak (464) Quercus ilex	24	0.05	0.3	23	4	Target diameter
evergreen oak (499) Quercus ilex	24	0.05	0.3	23	16	Target diameter
evergreen oak (431) Quercus ilex	23.5	0.04	0.3	23	4	Target diameter
evergreen oak (237) Quercus ilex	23.5	0.04	0.2	18	0	Target diameter
evergreen oak (392) Quercus ilex	23.5	0.04	0.3	22	0	Target diameter
evergreen oak (148) Quercus ilex	23	0.04	0.2	18	8	Target diameter
evergreen oak (355) Quercus ilex	23	0.04	0.2	17	8	Target diameter
evergreen oak (206) Quercus ilex	22.5	0.04	0.3	23	0	Target diameter
evergreen oak (361) Quercus ilex	22	0.04	0.2	19	4	Target diameter

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
downy oak (471) Quercus pubescens	22	0.04	0.3	21	10	Target diameter
evergreen oak (433) Quercus ilex	22	0.04	0.3	20	16	Target diameter
downy oak (410) Quercus pubescens	22	0.04	0.3	20	26	Target diameter
evergreen oak (17) Quercus ilex	22	0.04	0.3	21	4	Target diameter
downy oak (51) Quercus pubescens	22	0.04	0.2	18	16	Target diameter
evergreen oak (489) Quercus ilex	22	0.04	0.3	23	8	Target diameter
evergreen oak (387) Quercus ilex	21.5	0.04	0.2	14	0	Target diameter
evergreen oak (357) Quercus ilex	21.5	0.04	0.2	18	4	Target diameter
evergreen oak (337) Quercus ilex	21	0.04	0.2	14	31	Target diameter
evergreen oak (377) Quercus ilex	20	0.03	0.3	19	4	Target diameter
downy oak (11) Quercus pubescens	20	0.03	0.2	18	6	Target diameter
evergreen oak (131) Quercus ilex	20	0.03	0.2	15	10	Target diameter
evergreen oak (19) Quercus ilex	19	0.03	0.2	17	4	Target diameter
downy oak (89) Quercus pubescens	19	0.03	0.2	14	6	Target diameter
evergreen oak (6) Quercus ilex	18.5	0.03	0.2	13	10	Target diameter
evergreen oak (336) Quercus ilex	18	0.03	0.1	10	4	Target diameter
evergreen oak (66) Quercus ilex	18	0.03	0.1	6	8	Target diameter
downy oak (399) Quercus pubescens	18	0.03	0.3	19	6	Target diameter
evergreen oak (62) Quercus ilex	16.5	0.02	0.1	8	4	Target diameter
evergreen oak (278) Quercus ilex	16	0.02	0.1	8	0	Target diameter
evergreen oak (117)	16	0.02	0.1	7	0	Target diameter

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						

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	Elite tree
evergreen oak (344) Quercus ilex	53	0.22	2.3	173	58	Elite tree
downy oak (134) Quercus pubescens	47	0.17	1.3	98	62	Elite tree
evergreen oak (314) Quercus ilex	43	0.15	1.8	137	8	Elite tree
downy oak (189) Quercus pubescens	42.5	0.14	1.1	84	48	Elite tree
evergreen oak (285) Quercus ilex	42	0.14	1.2	89	31	Elite tree
downy oak (494) Quercus pubescens	42	0.14	1.2	87	30	Elite tree
evergreen oak (463) Quercus ilex	41.5	0.14	1	75	27	Elite tree
evergreen oak (88) Quercus ilex	41	0.13	1.3	100	4	Elite tree
evergreen oak (97) Quercus ilex	41	0.13	1	75	43	Elite tree
evergreen oak (453) Quercus ilex	40	0.13	1.1	85	47	Elite tree
evergreen oak (111) Quercus ilex	38	0.11	0.9	70	40	Elite tree
evergreen oak (467) Quercus ilex	36.5	0.11	0.9	64	20	Elite tree
evergreen oak (90) Quercus ilex	36	0.1	0.7	51	0	Elite tree
evergreen oak (215) Quercus ilex	36	0.1	0.9	64	6	Elite tree
evergreen oak (282) Quercus ilex	36	0.1	0.7	52	31	Elite tree
evergreen oak (417) Quercus ilex	36	0.1	0.7	56	31	Elite tree
evergreen oak (362) Quercus ilex	36	0.1	0.8	61	30	Elite tree
downy oak (178) Quercus pubescens	35.5	0.1	0.7	55	24	Elite tree
evergreen oak (284) Quercus ilex	35.5	0.1	0.7	50	38	Diversity
evergreen oak (38)	35	0.1	0.7	54	4	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (13) Quercus ilex	35	0.1	0.8	57	4	Elite tree
downy oak (65) Quercus pubescens	35	0.1	0.7	54	22	Elite tree
downy oak (407) Quercus pubescens	35	0.1	0.7	51	44	Elite tree
evergreen oak (46) Quercus ilex	35	0.1	0.9	65	14	Elite tree
downy oak (18) Quercus pubescens	34	0.09	0.8	57	52	Elite tree
evergreen oak (388) Quercus ilex	34	0.09	0.5	35	10	Elite tree
downy oak (230) Quercus pubescens	34	0.09	0.7	52	12	Elite tree
evergreen oak (422) Quercus ilex	34	0.09	0.7	51	32	Elite tree
mannan ash (469) Fraxinus ornus	34	0.09	0.7	55	40	Elite tree
downy oak (139) Quercus pubescens	33.5	0.09	0.8	58	89	Elite tree
evergreen oak (124) Quercus ilex	33.5	0.09	0.6	47	30	Elite tree
mannan ash (276) Fraxinus ornus	33	0.09	0.7	52	4	Elite tree
downy oak (79) Quercus pubescens	33	0.09	0.6	49	10	Elite tree
downy oak (179) Quercus pubescens	32	0.08	0.5	41	30	Elite tree
evergreen oak (403) Quercus ilex	31	0.08	0.6	42	10	Elite tree
evergreen oak (162) Quercus ilex	30	0.07	0.5	39	14	Diversity
mannan ash (3) Fraxinus ornus	29	0.07	0.4	31	4	Elite tree
mannan ash (332) Fraxinus ornus	27	0.06	0.4	27	4	Elite tree
mannan ash (164) Fraxinus ornus	26	0.05	0.2	18	54	Elite tree