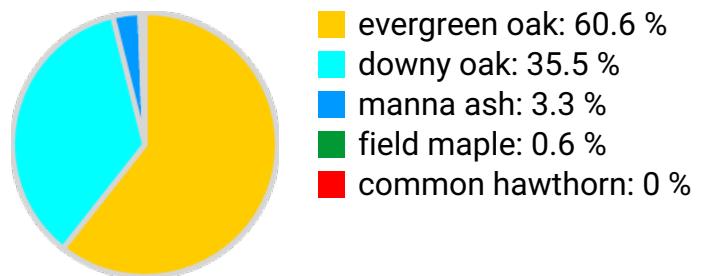
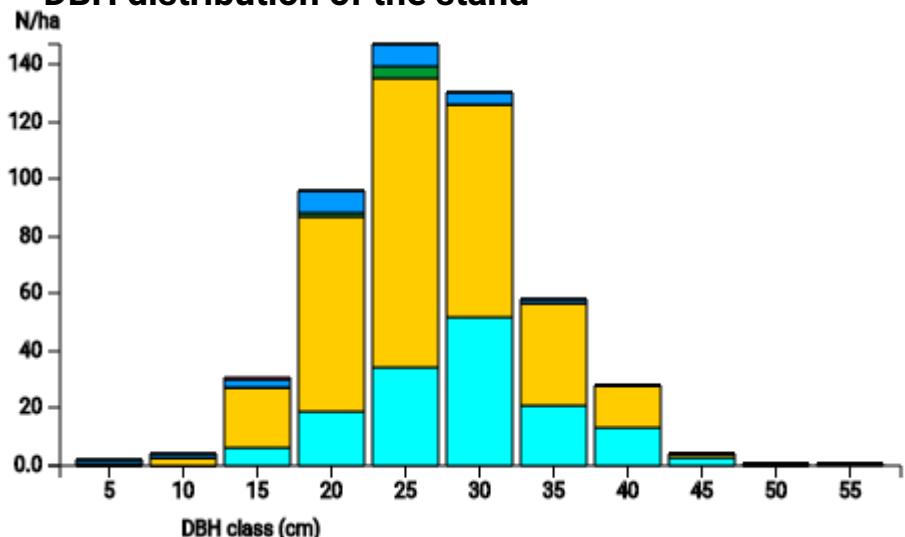


21/05/2021 Gruppo D ficuzza

Site conditions

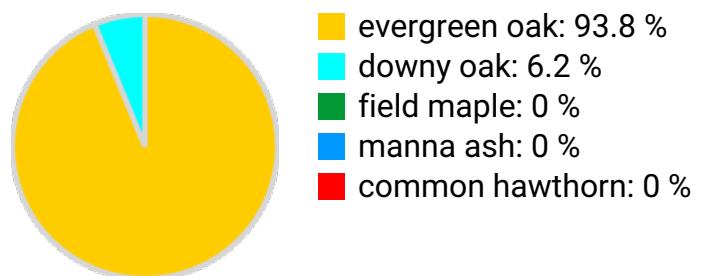
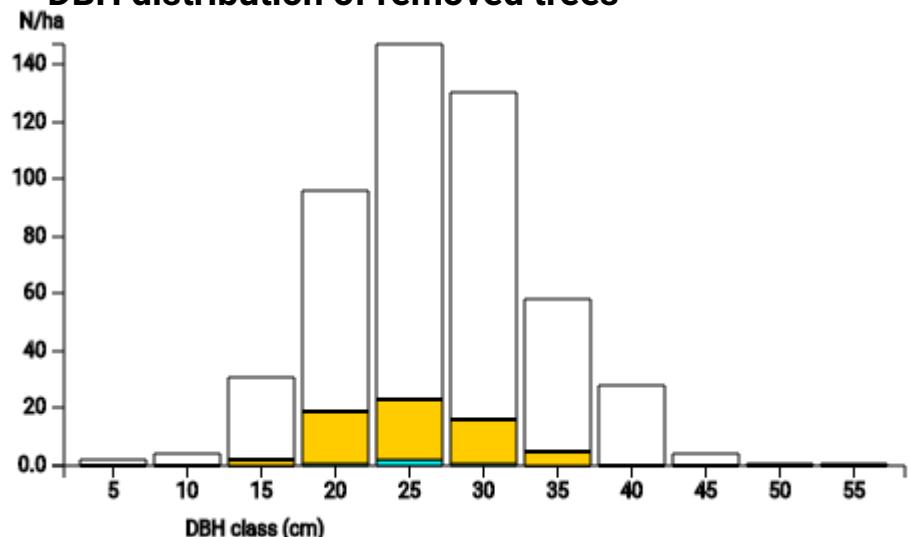
Altitude: 915 m.a.s.l.
 Forest ecological region: Sicily
 Geology / Bedrock: Sedimentary carbonaceous complex
 Soil type: Clay soil
 Natural forest community: Aceri-Quercetum ilicis
 Mean annual temperature: 13.9 C;
 Mean annual precipitation: 800-1000 mm; Ownership:
 Region; Establishment: 2021

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

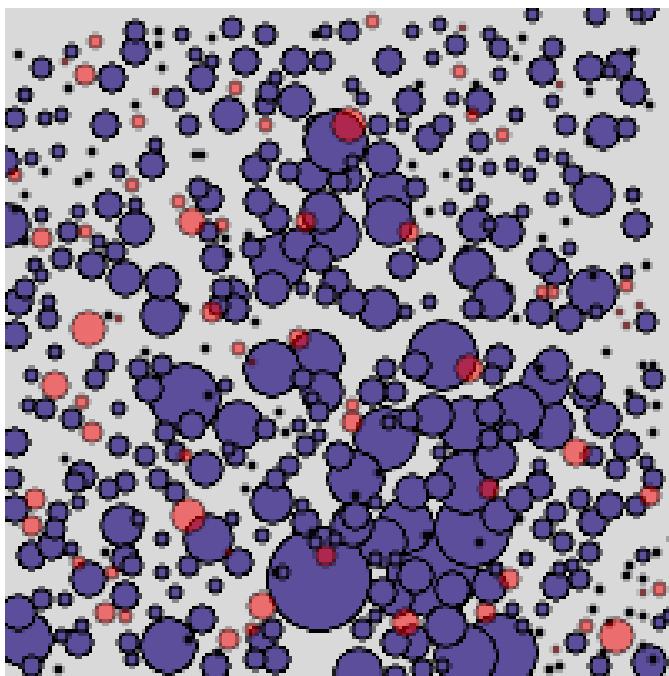
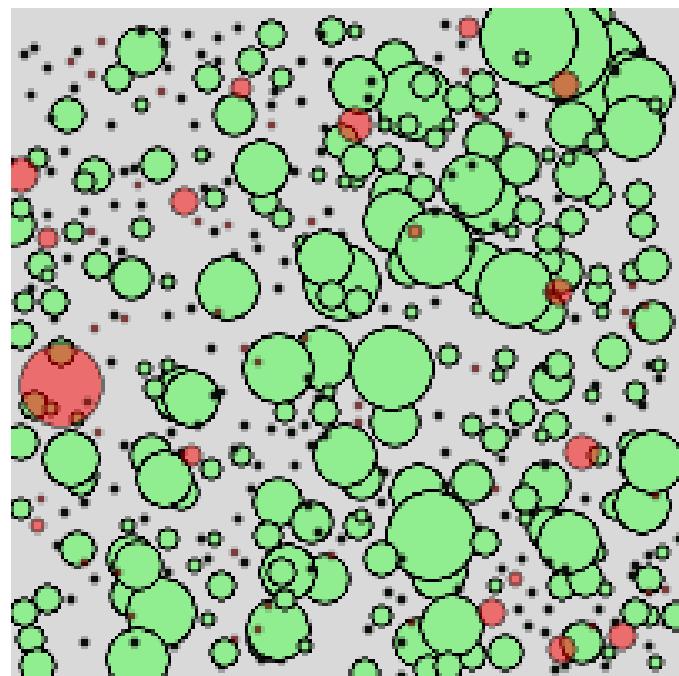
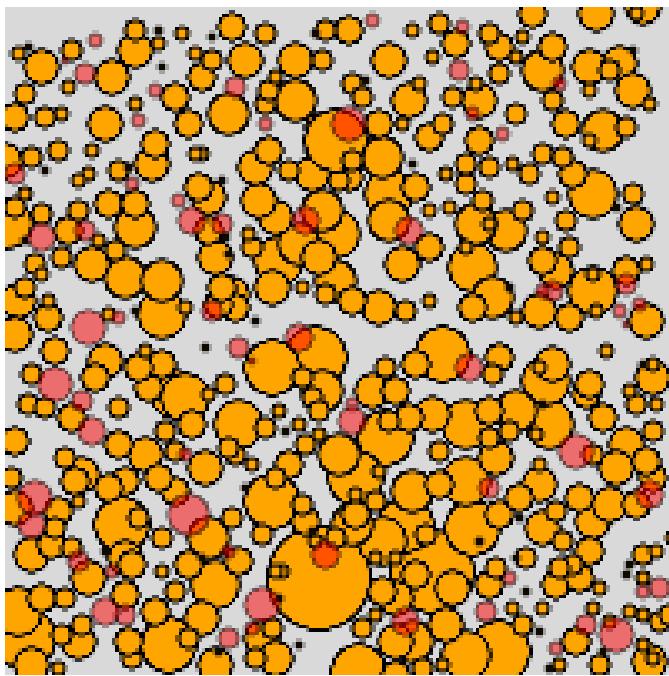
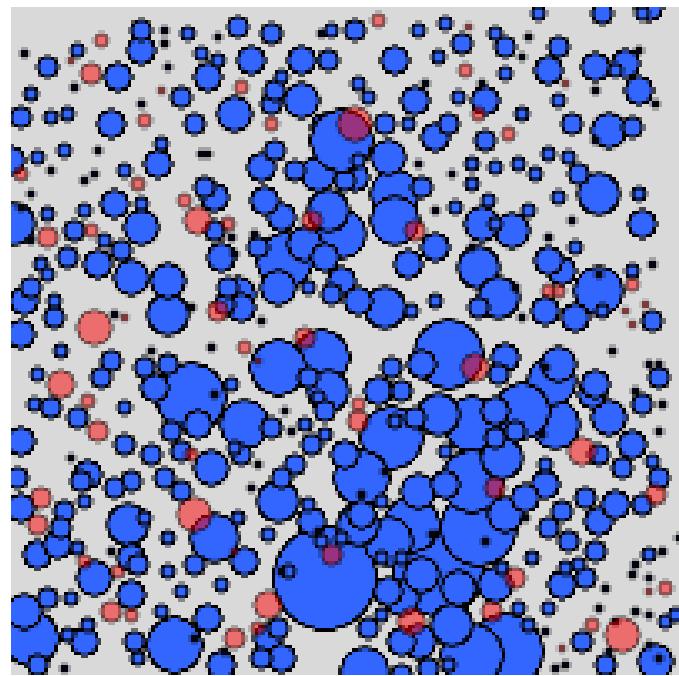
Tree species	N/ha	Basal area (m²)	Volume (m³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	1	0	0.1	6	20	3
downy oak	149	12	94.3	7074	4156	499
evergreen oak	321	21.3	161.1	12084	4624	678
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	502	34.9	265.8	19933	9391	1242

Removed trees

Volume: 28.6 m³
 Basal area: 3.9 m²
 Economic value: 2139 €
 Habitat value: 794 pts.

Removed trees (N in %)**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	4	0.2	2	147	151	13
evergreen oak	61	3.7	26.6	1992	643	108
field maple	0	0	0	0	0	0
manna ash	0	0	0	0	0	0
Total	65	3.9	28.5	2139	794	121

Economic value [EUR]**Habitat value****Basal area [m^2]****Volume [m^3]****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

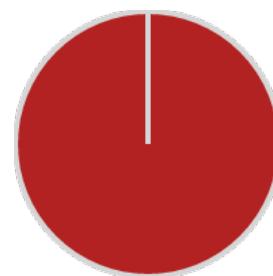
Total value of removed trees: 2139 €

Percentage of total stand value: 10.7 %

Stand value after harvest: 17794 €

Economic value by tree species [€]

Tree species	Total	Per m ³
downy oak	147	75
evergreen oak	1992	75
field maple	0	0
manna ash	0	0
common hawthorn	0	0
Total	2139	75

Wood quality distribution (m³ in %)

- A
- B
- C
- IT
- F

Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	28.5	100

Habitat values

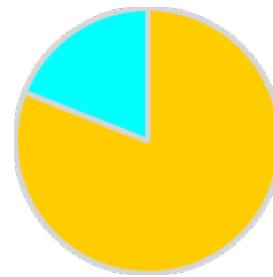
Total habitat value of removed trees: 794 pts.

Percentage of total stand value: 8.5 %

Stand value after harvest: 8597 pts.

Habitat value by tree species [pts.]

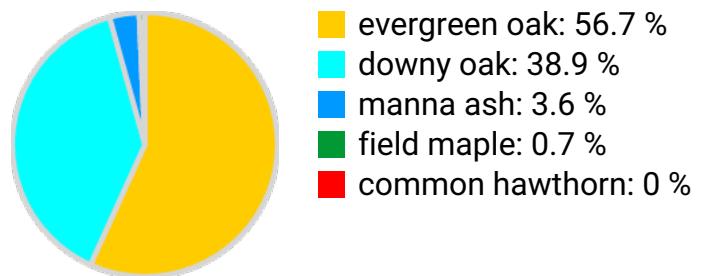
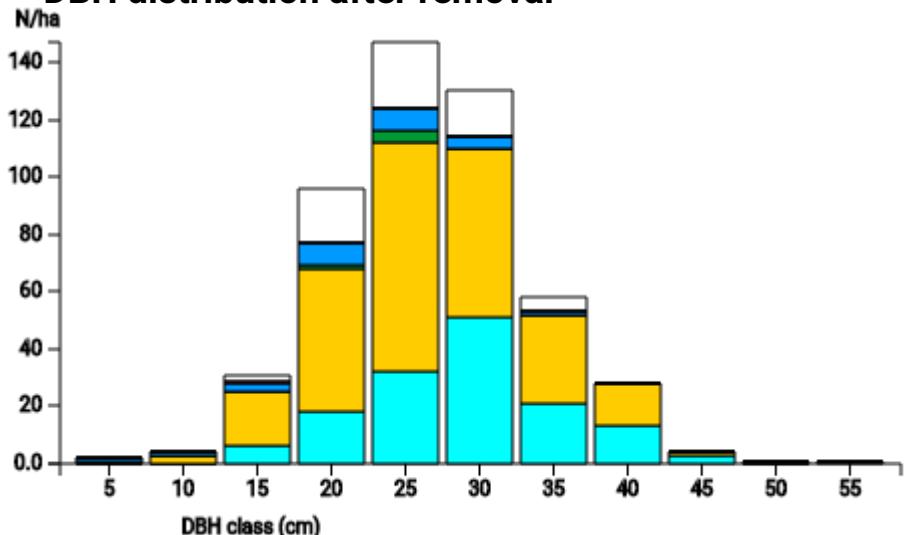
Tree species	Total	Per m ³	Microhabitats [N]
downy oak	151	77.1	13
evergreen oak	643	24.2	108
field maple	0	0	0
manna ash	0	0	0
common hawthorn	0	0	0
Total	794	27.8	121

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

- evergreen oak (81 %)
- downy oak (19 %)
- field maple (0 %)
- manna ash (0 %)
- common hawthorn (0 %)

Remaining stand

Volume: 237.4 m³
 Basal area: 31 m²
 Economic value: 17794 €
 Habitat value: 8597 pts.

Remaining trees by volume (m³ in %)**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	145	11.8	92.4	6927	4005	486
evergreen oak	260	17.7	134.6	10092	3981	570
field maple	5	0.3	1.6	120	241	15
manna ash	26	1.3	8.6	648	350	47
Total	437	31	237.3	17794	8597	1121

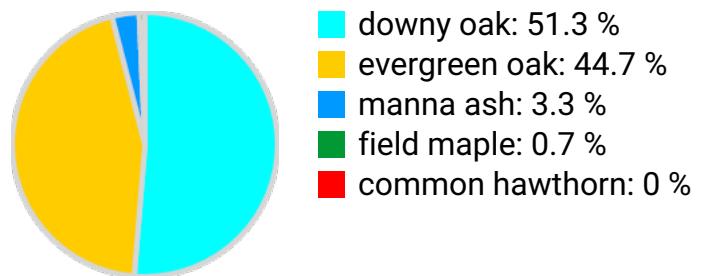
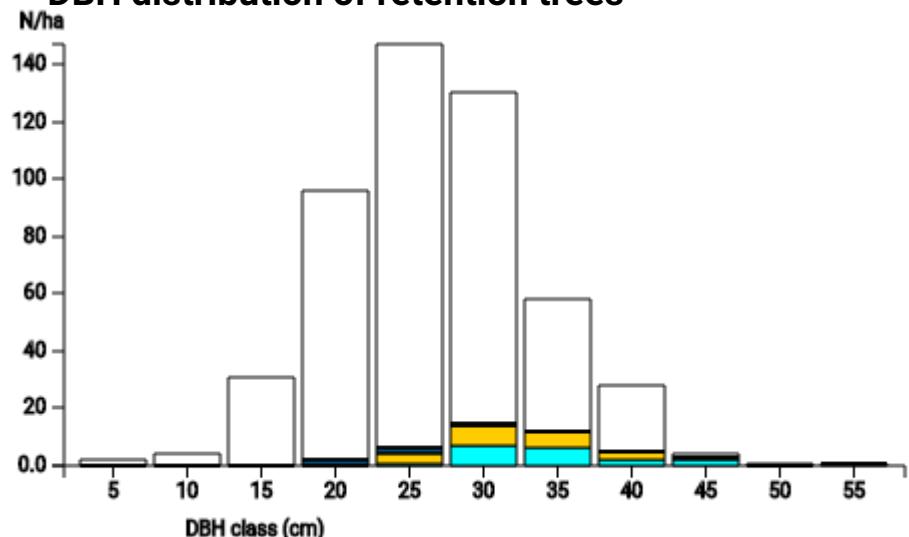
Retention treesVolume: 37.1 m³

Elite trees: 38

Habitat trees: 3

Economic value: 2783 €

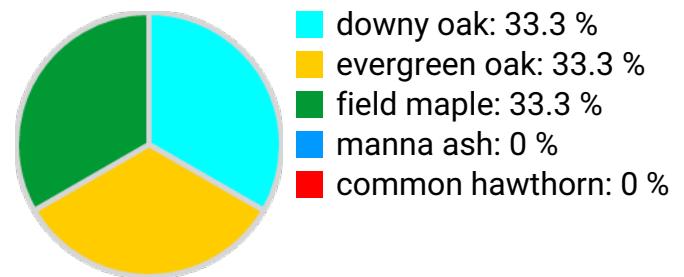
Habitat value: 1365 pts.

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

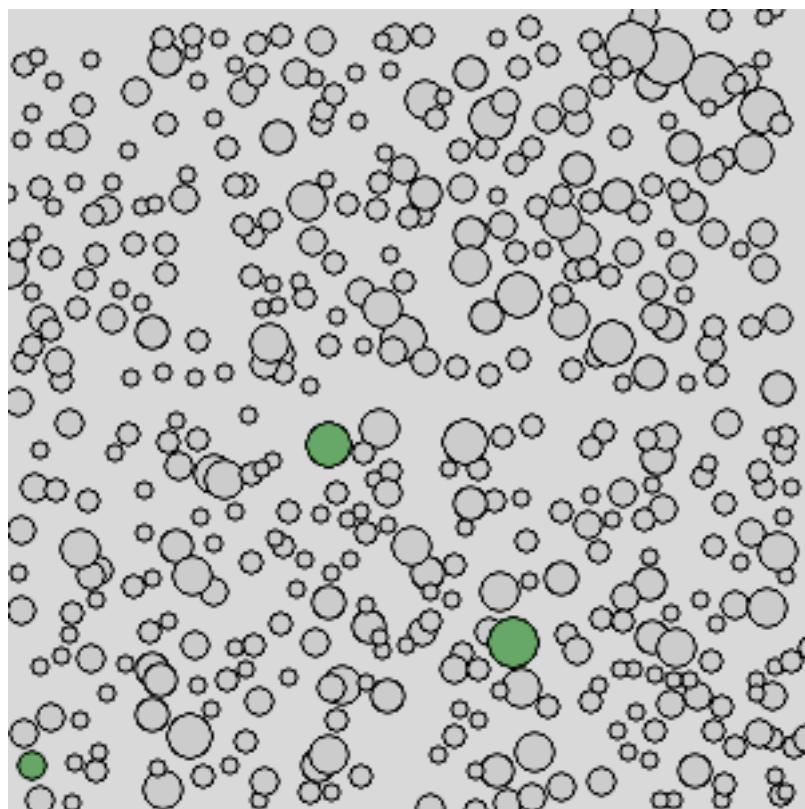
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
common hawthorn	0	0	0	0	0	0
downy oak	19	2.2	19	1428	651	82
evergreen oak	21	2.1	16.6	1245	568	67
field maple	1	0.1	0.3	19	94	5
manna ash	3	0.2	1.2	91	52	5
Total	44	4.5	37.1	2783	1365	159

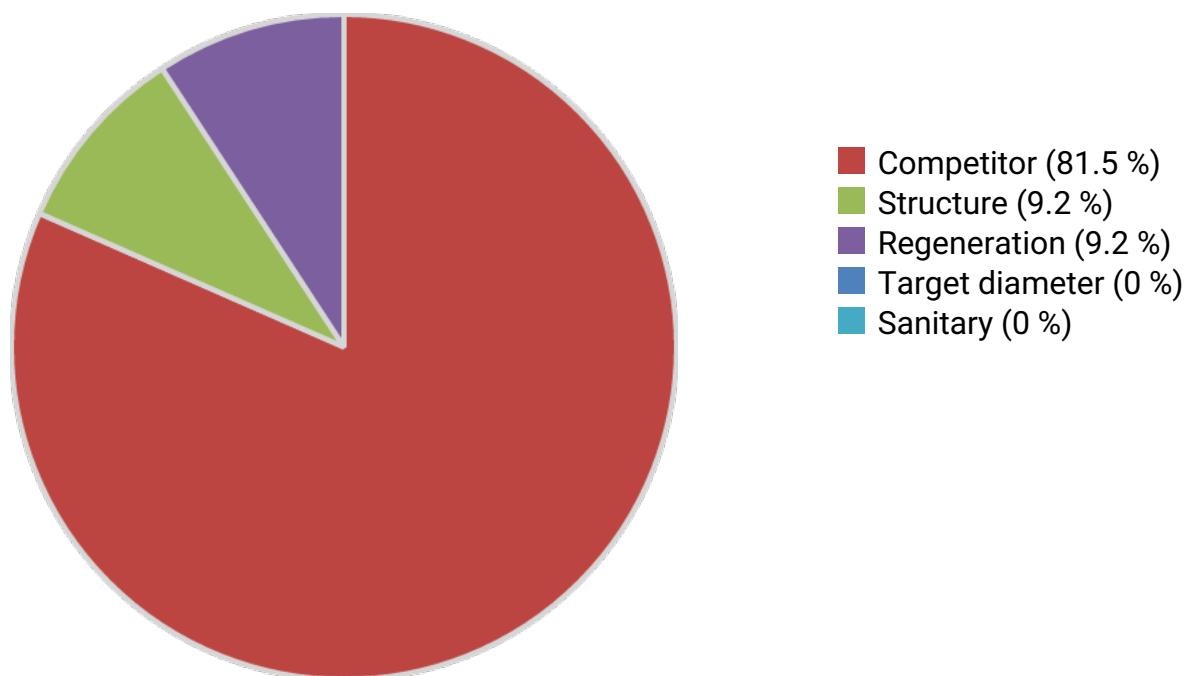
Number of habitat trees	[N]	3
Habitat value	pts.	198
	[% of total]	2.1
Economic value	[€]	217
	[% of total]	1.1
Number of microhabitats	[N]	17
	[% of total]	1.4

Habitat tree distribution by species (N in %)

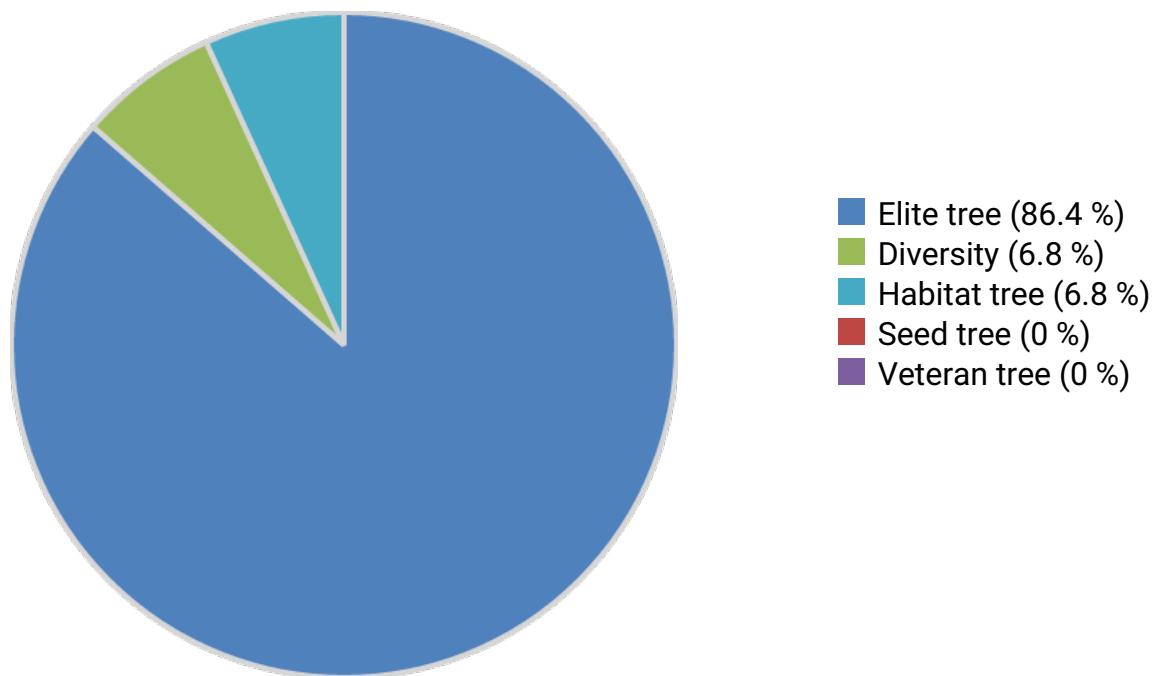


Spatial distribution of habitat trees

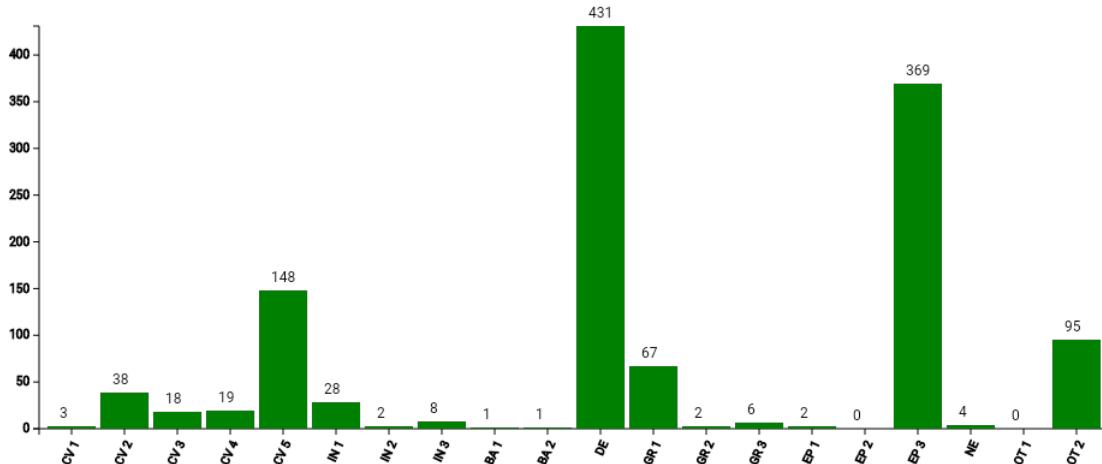
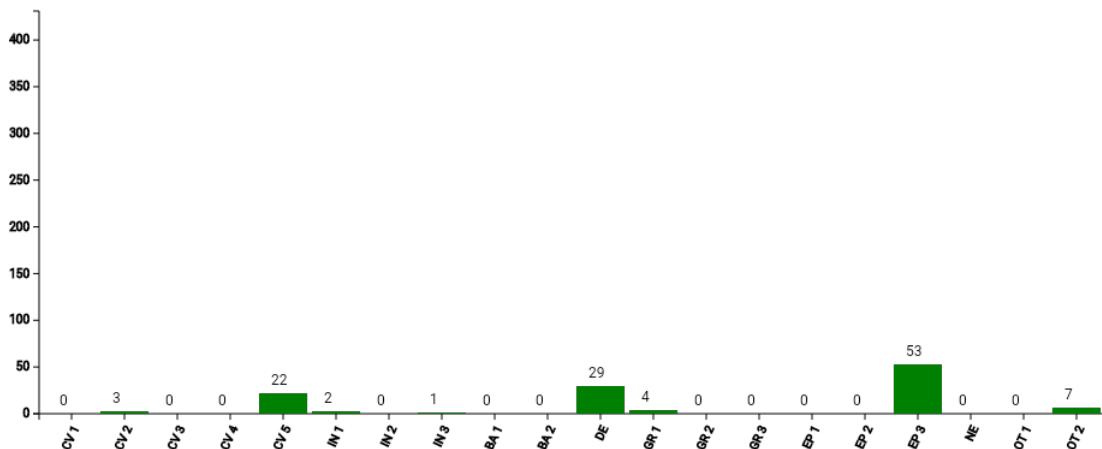
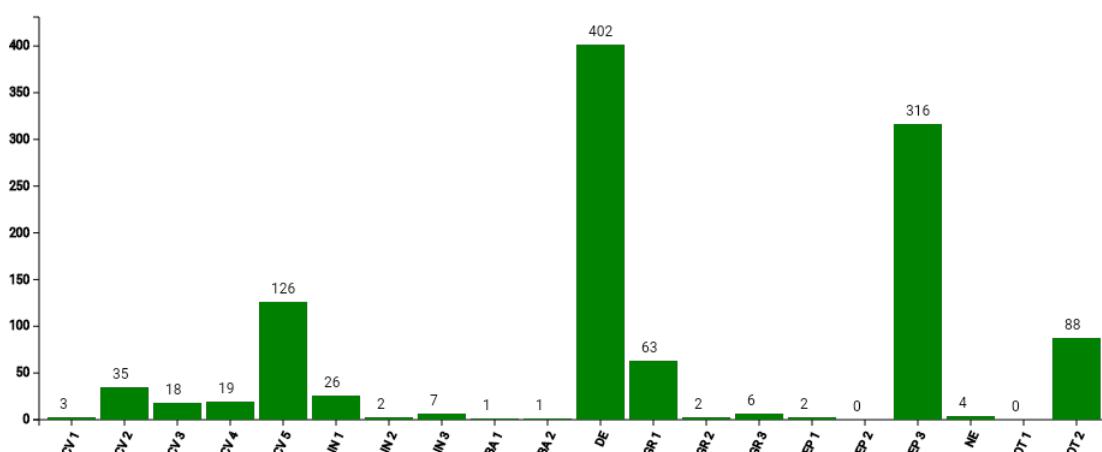


Reasons for removal

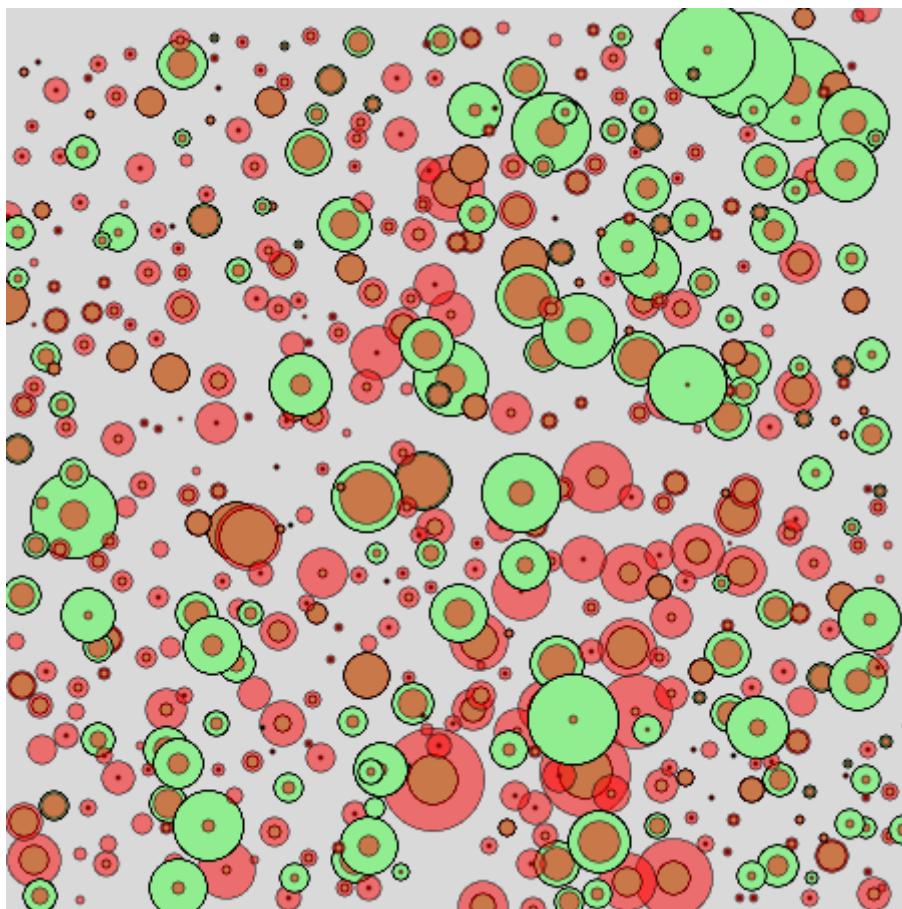
- Competitor (81.5 %)
- Structure (9.2 %)
- Regeneration (9.2 %)
- Target diameter (0 %)
- Sanitary (0 %)

Reasons for retention

- Elite tree (86.4 %)
- Diversity (6.8 %)
- Habitat tree (6.8 %)
- Seed tree (0 %)
- Veteran tree (0 %)

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 (191) <i>Quercus ilex</i>	38.5	0.12	0.8	61	0	Competitor
evergreen oak (122) <i>Quercus ilex</i>	36	0.1	0.8	63	10	Competitor
evergreen oak (362) <i>Quercus ilex</i>	36	0.1	0.8	61	30	Competitor
evergreen oak (284) <i>Quercus ilex</i>	35.5	0.1	0.7	50	38	Competitor
evergreen oak (427) <i>Quercus ilex</i>	35	0.1	0.9	70	38	Competitor
evergreen oak (229) <i>Quercus ilex</i>	34	0.09	0.6	47	4	Competitor
evergreen oak (182) <i>Quercus ilex</i>	33.5	0.09	0.5	36	6	Competitor
downy oak (139) <i>Quercus pubescens</i>	33.5	0.09	0.8	58	89	Structure
evergreen oak (195) <i>Quercus ilex</i>	33	0.09	0.6	45	16	Competitor
evergreen oak (95) <i>Quercus ilex</i>	32	0.08	0.6	45	22	Competitor
evergreen oak (81) <i>Quercus ilex</i>	32	0.08	0.7	49	4	Competitor
evergreen oak (226) <i>Quercus ilex</i>	31	0.08	0.6	44	4	Competitor
evergreen oak (291) <i>Quercus ilex</i>	31	0.08	0.5	39	4	Regeneration
evergreen oak (133) <i>Quercus ilex</i>	31	0.08	0.6	46	10	Competitor
evergreen oak (385) <i>Quercus ilex</i>	31	0.08	0.5	39	4	Competitor
evergreen oak (257) <i>Quercus ilex</i>	31	0.08	0.7	49	4	Competitor
evergreen oak (349) <i>Quercus ilex</i>	31	0.08	0.7	50	8	Competitor
evergreen oak (233) <i>Quercus ilex</i>	30	0.07	0.5	39	0	Regeneration
evergreen oak (468) <i>Quercus ilex</i>	30	0.07	0.6	45	14	Competitor
evergreen oak (69) <i>Quercus ilex</i>	30	0.07	0.5	41	10	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (411) Quercus ilex	29	0.07	0.4	30	8	Competitor
Quercus ilex						
evergreen oak (72) Quercus ilex	29	0.07	0.4	32	4	Competitor
evergreen oak (130) Quercus ilex	28.5	0.06	0.3	24	4	Competitor
evergreen oak (306) Quercus ilex	28	0.06	0.5	37	8	Competitor
evergreen oak (109) Quercus ilex	28	0.06	0.5	35	4	Competitor
evergreen oak (143) Quercus ilex	27.5	0.06	0.4	31	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 (23) Quercus ilex	27	0.06	0.6	43	10	Competitor
evergreen oak (493) Quercus ilex	27	0.06	0.4	29	31	Competitor
evergreen oak (57) Quercus ilex	27	0.06	0.4	28	34	Competitor
evergreen oak (358) Quercus ilex	26.5	0.06	0.4	29	8	Structure
evergreen oak (351) Quercus ilex	26	0.05	0.5	35	27	Competitor
evergreen oak (93) Quercus ilex	26	0.05	0.4	32	10	Competitor
evergreen oak (480) Quercus ilex	26	0.05	0.3	25	8	Regeneration
evergreen oak (232) Quercus ilex	26	0.05	0.3	24	8	Regeneration
evergreen oak (354) Quercus ilex	26	0.05	0.4	26	8	Competitor
downy oak (31) Quercus pubescens	25.5	0.05	0.4	27	22	Regeneration
evergreen oak (43) Quercus ilex	25	0.05	0.3	26	4	Competitor
downy oak (341) Quercus pubescens	25	0.05	0.5	35	16	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
evergreen oak (391) <i>Quercus ilex</i>	25	0.05	0.3	26	0	Competitor
evergreen oak (4) <i>Quercus ilex</i>	25	0.05	0.3	26	4	Competitor
evergreen oak (437) <i>Quercus ilex</i>	25	0.05	0.3	23	4	Competitor
evergreen oak (246) <i>Quercus ilex</i>	24.5	0.05	0.3	24	10	Competitor
evergreen oak (214) <i>Quercus ilex</i>	24.5	0.05	0.4	26	4	Competitor
evergreen oak (271) <i>Quercus ilex</i>	24	0.05	0.3	26	4	Competitor
evergreen oak (73) <i>Quercus ilex</i>	24	0.05	0.3	24	28	Competitor
evergreen oak (496) <i>Quercus ilex</i>	24	0.05	0.3	20	8	Structure
evergreen oak (120) <i>Quercus ilex</i>	24	0.05	0.3	20	4	Competitor
evergreen oak (74) <i>Quercus ilex</i>	24	0.05	0.3	24	4	Competitor
evergreen oak (39) <i>Quercus ilex</i>	24	0.05	0.3	21	0	Competitor
evergreen oak (492) <i>Quercus ilex</i>	24	0.05	0.3	24	8	Competitor
evergreen oak (431) <i>Quercus ilex</i>	23.5	0.04	0.3	23	4	Competitor
downy oak (167) <i>Quercus pubescens</i>	23.5	0.04	0.4	27	24	Structure
evergreen oak (420) <i>Quercus ilex</i>	23	0.04	0.3	20	30	Competitor
evergreen oak (495) <i>Quercus ilex</i>	23	0.04	0.3	19	8	Regeneration
evergreen oak (365) <i>Quercus ilex</i>	22.5	0.04	0.3	19	31	Competitor
evergreen oak (33) <i>Quercus ilex</i>	22	0.04	0.2	18	10	Competitor
evergreen oak (208) <i>Quercus ilex</i>	22	0.04	0.3	20	4	Competitor
evergreen oak (357) <i>Quercus ilex</i>	21.5	0.04	0.2	18	4	Structure

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus ilex						
evergreen oak (131) Quercus ilex	20	0.03	0.2	15	10	Competitor
Quercus ilex						
evergreen oak (498) Quercus ilex	19	0.03	0.2	14	8	Structure
evergreen oak (19) Quercus ilex	19	0.03	0.2	17	4	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
downy oak (227) <i>Quercus pubescens</i>	59	0.27	2.6	192	50	Elite tree
downy oak (376) <i>Quercus pubescens</i>	45.5	0.16	2	147	34	Elite tree
downy oak (235) <i>Quercus pubescens</i>	45.5	0.16	1.3	99	32	Habitat tree
evergreen oak (426) <i>Quercus ilex</i>	45	0.16	1.6	121	38	Elite tree
downy oak (256) <i>Quercus pubescens</i>	44	0.15	1.8	134	22	Elite tree
evergreen oak (132) <i>Quercus ilex</i>	42.5	0.14	1.3	98	72	Habitat tree
evergreen oak (285) <i>Quercus ilex</i>	42	0.14	1.2	89	31	Elite tree
evergreen oak (234) <i>Quercus ilex</i>	41	0.13	0.9	70	31	Diversity
downy oak (296) <i>Quercus pubescens</i>	40	0.13	1.5	112	42	Elite tree
downy oak (201) <i>Quercus pubescens</i>	39	0.12	1.2	88	16	Elite tree
evergreen oak (435) <i>Quercus ilex</i>	39	0.12	0.9	69	14	Elite tree
evergreen oak (455) <i>Quercus ilex</i>	39	0.12	1.2	87	64	Elite tree
evergreen oak (68) <i>Quercus ilex</i>	38	0.11	1.1	79	4	Elite tree
downy oak (41) <i>Quercus pubescens</i>	37	0.11	0.8	63	46	Elite tree
downy oak (414) <i>Quercus pubescens</i>	37	0.11	0.7	54	49	Elite tree
downy oak (63) <i>Quercus pubescens</i>	36	0.1	0.8	58	36	Elite tree
evergreen oak (215) <i>Quercus ilex</i>	36	0.1	0.9	64	6	Elite tree
evergreen oak (270) <i>Quercus ilex</i>	36	0.1	0.8	57	4	Elite tree
evergreen oak (415) <i>Quercus ilex</i>	36	0.1	0.7	54	107	Elite tree
downy oak (482) <i>Quercus pubescens</i>	35.5	0.1	0.7	50	46	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Quercus pubescens						
downy oak (181) Quercus pubescens	34.5	0.09	0.7	52	24	Elite tree
evergreen oak (348) Quercus ilex	34	0.09	0.8	62	4	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
downy oak (497) Quercus pubescens	34	0.09	0.6	43	40	Elite tree
evergreen oak (56) Quercus ilex	34	0.09	0.7	56	4	Elite tree
evergreen oak (438) Quercus ilex	33	0.09	0.6	42	46	Elite tree
downy oak (342) Quercus pubescens	33	0.09	0.8	63	12	Elite tree
downy oak (301) Quercus pubescens	32	0.08	0.6	46	60	Elite tree
evergreen oak (405) Quercus ilex	32	0.08	0.6	45	8	Elite tree
evergreen oak (390) Quercus ilex	32	0.08	0.6	43	16	Elite tree
downy oak (94) Quercus pubescens	32	0.08	0.5	37	18	Elite tree
manna ash (364) Fraxinus ornus	31	0.08	0.5	41	44	Elite tree
downy oak (108) Quercus pubescens	30.5	0.07	0.6	46	28	Elite tree
evergreen oak (162) Quercus ilex	30	0.07	0.5	39	14	Elite tree
manna ash (3) Fraxinus ornus	29	0.07	0.4	31	4	Elite tree
evergreen oak (42) Quercus ilex	29	0.07	0.5	37	10	Diversity
evergreen oak (166) Quercus ilex	29	0.07	0.5	41	4	Elite tree
evergreen oak (434) Quercus ilex	29	0.07	0.5	39	65	Diversity
downy oak (248) Quercus pubescens	28.5	0.06	0.5	39	62	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
field maple (313) <i>Acer campestre</i>	27	0.06	0.3	19	94	Habitat tree
manna ash (121) <i>Fraxinus ornus</i>	23.5	0.04	0.2	19	4	Elite tree
evergreen oak (34) <i>Quercus ilex</i>	23	0.04	0.2	17	16	Elite tree