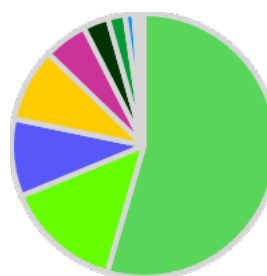


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Site conditions

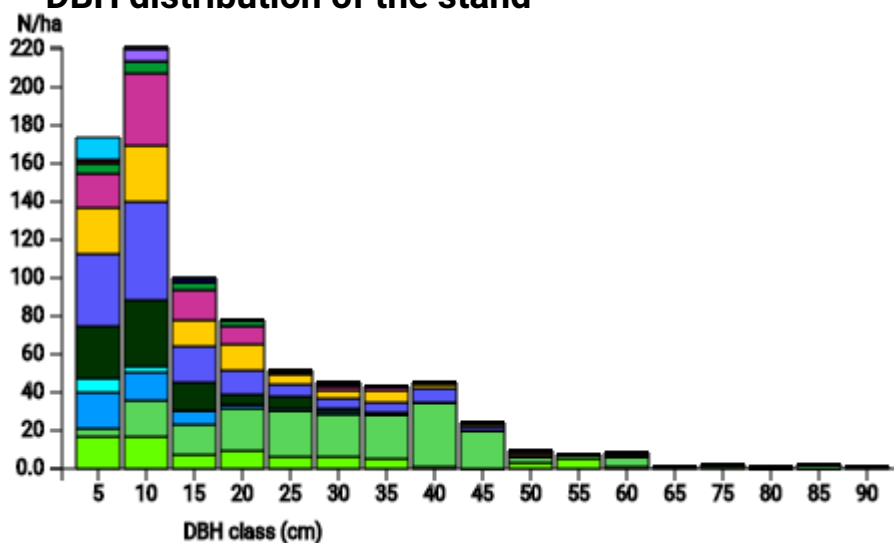
Altitude: 930 m.a.s.l.
Forest ecological region: Molise
Regional forest

Tree species distribution by volume (in %)



- Turkey oak: 54.6 %
- common beech: 14.3 %
- Italian maple: 9.5 %
- common ash: 9 %
- hornbeam: 5.3 %
- Lobel's maple: 3.1 %
- small-leaved lime: 2.1 %
- sycamore maple: 1.1 %
- field maple: 0.6 %
- European hop-hornbeam: 0.4 %
- wild service tree: 0.1 %
- hazel: 0.1 %
- cornelian cherry: 0 %

DBH distribution of the stand



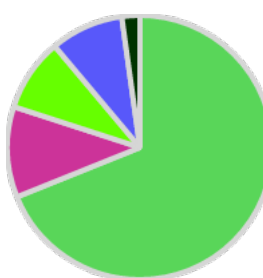
Initial stand (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
European hop-hornbeam	9	0.2	1.4	41	8	1
Italian maple	148	4.4	36.4	948	2607	143
Lobel's maple	90	1.7	12	312	996	60
Turkey oak	198	19.7	209.6	7019	6072	297
common ash	101	3.9	34.7	930	1606	79
common beech	80	6.1	54.9	1532	1392	77
cornelian cherry	1	0	0	0	24	1
field maple	15	0.3	2.3	60	278	14
hazel	12	0.1	0.2	6	30	1
hornbeam	91	2.2	20.2	601	742	40
small-leaved lime	22	0.9	8.1	195	207	11
sycamore maple	43	0.6	4	105	569	30
wild service tree	3	0.1	0.3	9	0	0
Total	813	40.1	384.3	11760	14531	754

Removed trees

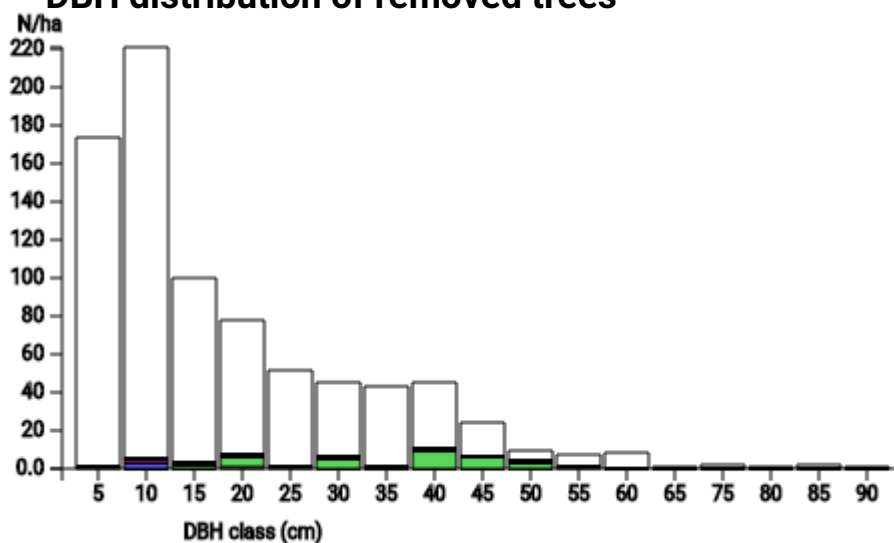
Volume: 52.6 m³
 Basal area: 4.6 m²
 Economic value: 1706 €
 Habitat value: 1191 pts.

Removed trees (N in %)



- Turkey oak: 68.9 %
- hornbeam: 11.1 %
- common beech: 8.9 %
- Italian maple: 8.9 %
- Lobels maple: 2.2 %
- sycamore maple: 0 %
- field maple: 0 %
- hazel: 0 %
- small-leaved lime: 0 %
- cornelian cherry: 0 %
- European hop-hornbeam: 0 %
- wild service tree: 0 %
- common ash: 0 %

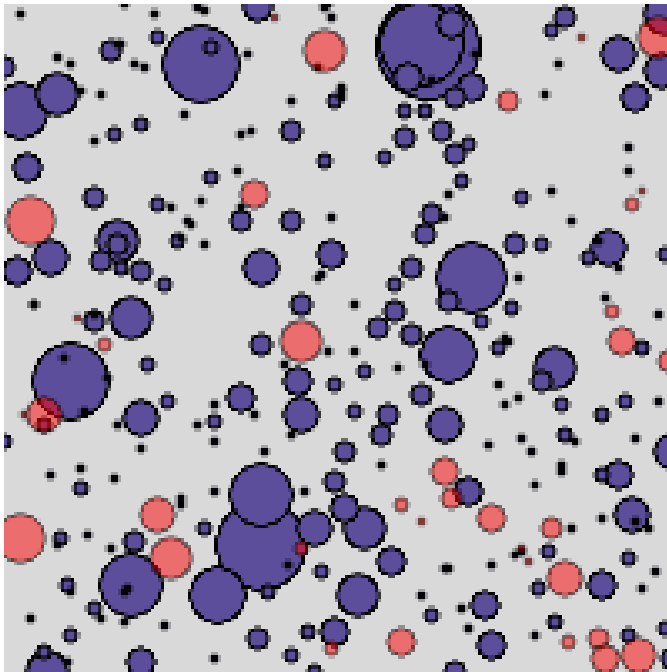
DBH distribution of removed trees



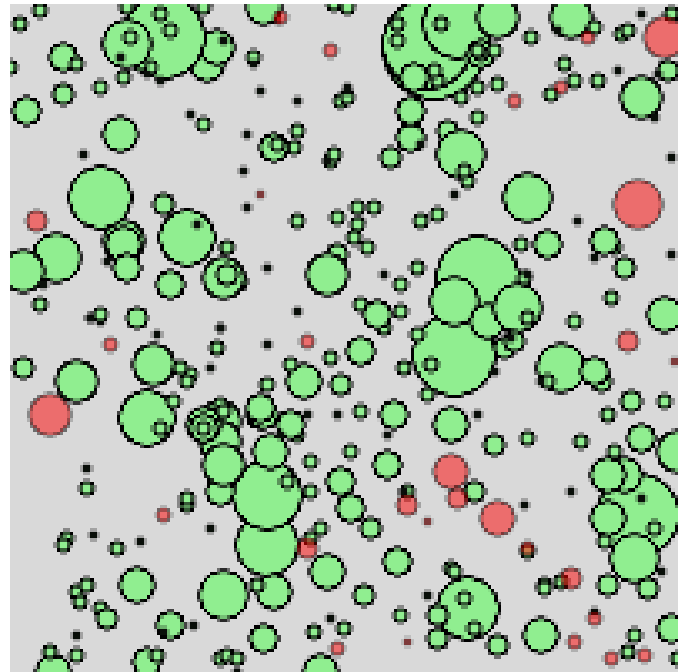
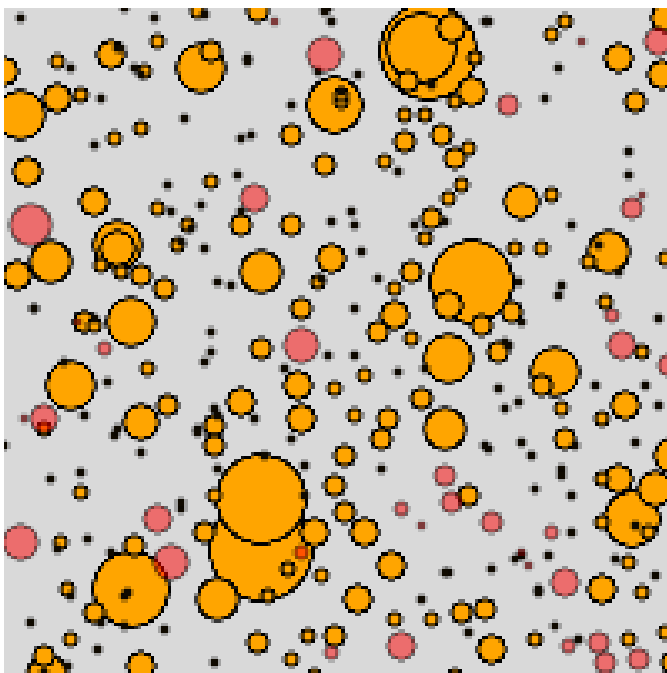
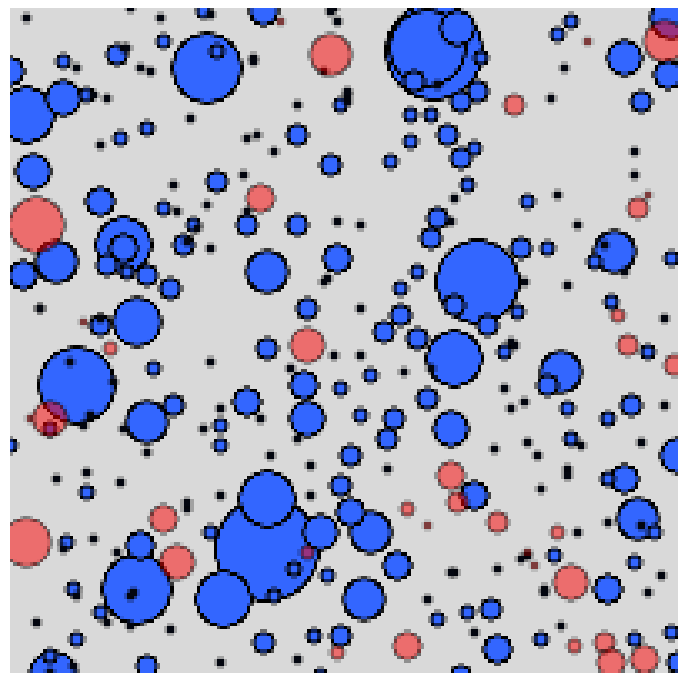
Removed trees (details by tree species)

Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
European hop-hornbeam	0	0	0	0	0	0
Italian maple	4	0.2	1.4	37	102	6
Lobels maple	1	0	0.2	5	27	2
Turkey oak	31	3.7	41.9	1404	951	52
common ash	0	0	0	0	0	0
common beech	4	0.4	4.5	127	51	4
cornelian cherry	0	0	0	0	0	0
field maple	0	0	0	0	0	0
hazel	0	0	0	0	0	0
hornbeam	5	0.3	4.5	133	60	3
small-leaved lime	0	0	0	0	0	0
sycamore maple	0	0	0	0	0	0
wild service tree	0	0	0	0	0	0
Total	45	4.6	52.6	1706	1191	67

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.

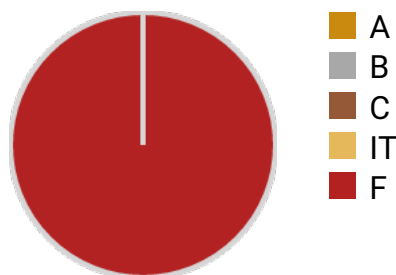
Economic values

Total value of removed trees: 1706 €
 Percentage of total stand value: 14.5 %
 Stand value after harvest: 10054 €

Economic value by tree species [€]

Tree species	Total	Per m ³
common beech	127	28
Turkey oak	1404	33
sycamore maple	0	0
field maple	0	0
Lobels maple	5	26
Italian maple	37	26
common ash	0	0
hornbeam	133	30
small-leaved lime	0	0
cornelian cherry	0	0
European hop-hornbeam	0	0
wild service tree	0	0
hazel	0	0
Total	1706	32

Wood quality distribution (m³ in %)



Quality class	m ³	%
A	0	0
B	0	0
C	0	0
Industrial Timber	0	0
Fuelwood	52.6	100

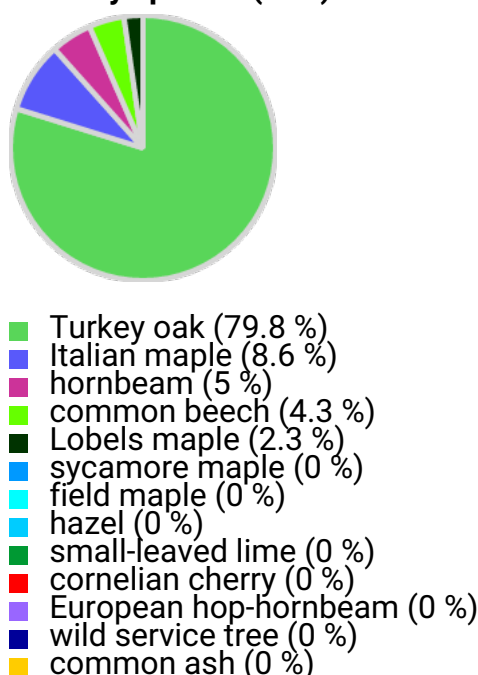
Habitat values

Total habitat value of removed trees: 1191 pts.
 Percentage of total stand value: 8.2 %
 Stand value after harvest: 13340 pts.

Habitat value by tree species [pts.]

Tree species	Total	Per m ³	Microhabitats [N]
common beech	51	11.2	4
Turkey oak	951	22.7	52
sycamore maple	0	0	0
field maple	0	0	0
Lobels maple	27	137.3	2
Italian maple	102	71.8	6
common ash	0	0	0
hornbeam	60	13.4	3
small-leaved lime	0	0	0
cornelian cherry	0	0	0
European hop-hornbeam	0	0	0
wild service tree	0	0	0
hazel	0	0	0
Total	1191	22.7	67

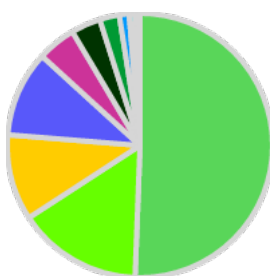
Habitat value (points) of removed trees by species (in %)



Remaining stand

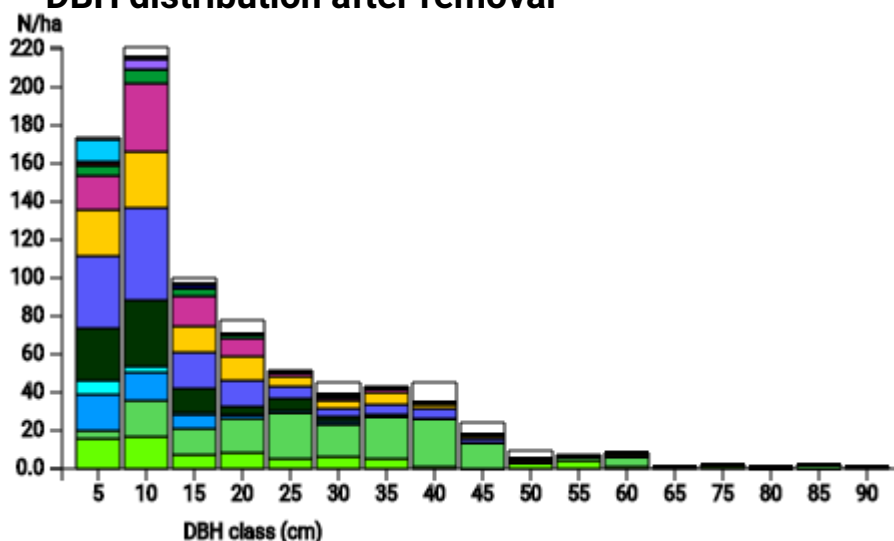
Volume: 331.8 m³
 Basal area: 35.5 m²
 Economic value: 10054 €
 Habitat value: 13340 pts.

Remaining trees by volume (m³ in %)



- Turkey oak: 50.6 %
- common beech: 15.2 %
- common ash: 10.5 %
- Italian maple: 10.5 %
- hornbeam: 4.7 %
- Lobels maple: 3.6 %
- small-leaved lime: 2.4 %
- sycamore maple: 1.2 %
- field maple: 0.7 %
- European hop-hornbeam: 0.4 %
- wild service tree: 0.1 %
- hazel: 0.1 %
- cornelian cherry: 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)
European hop-hornbeam	9	0.2	1.4	41	8	1
Italian maple	144	4.2	35	911	2505	137
Lobels maple	89	1.6	11.8	307	969	58
Turkey oak	167	16	167.7	5615	5121	245
common ash	101	3.9	34.7	930	1606	79
common beech	76	5.7	50.4	1406	1341	73
cornelian cherry	1	0	0	0	24	1
field maple	15	0.3	2.3	60	278	14
hazel	12	0.1	0.2	6	30	1
hornbeam	86	1.8	15.7	468	682	37
small-leaved lime	22	0.9	8.1	195	207	11
sycamore maple	43	0.6	4	105	569	30
wild service tree	3	0.1	0.3	9	0	0
Total	768	35.5	331.7	10054	13340	687

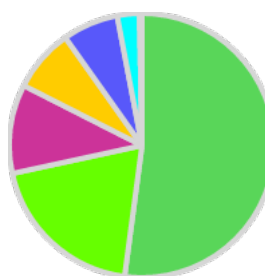
Retention treesVolume: 38.6 m³

Elite trees: 25

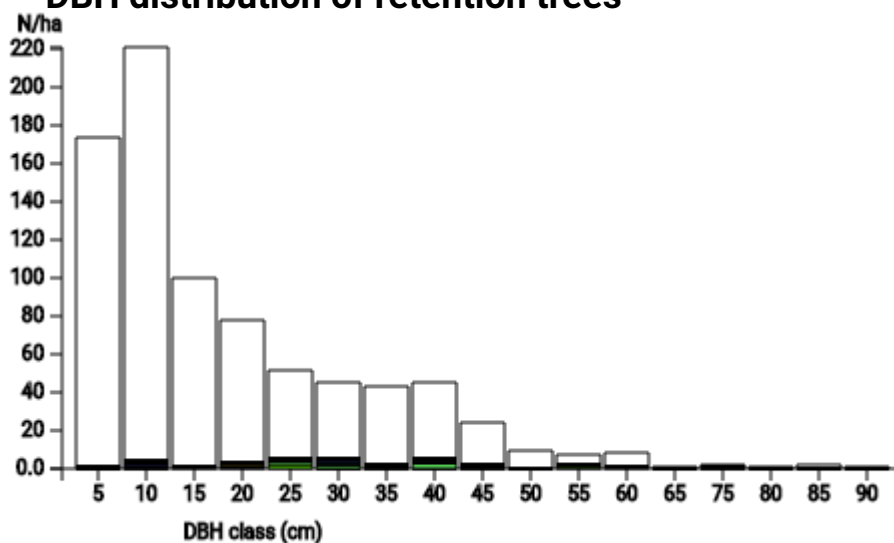
Habitat trees: 7

Economic value: 1185 €

Habitat value: 864 pts.

Retention trees by volume (m³ in %)

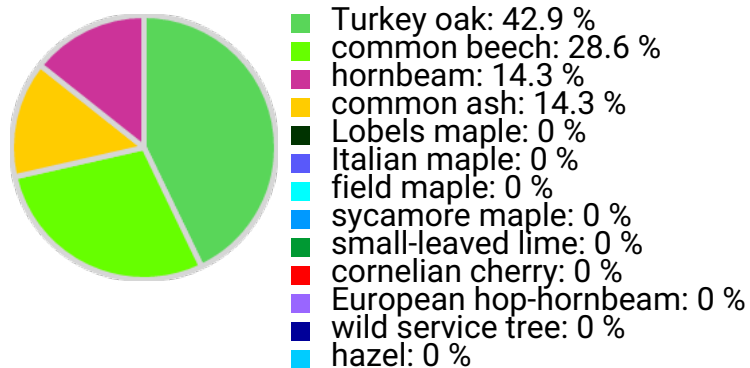
Turkey oak: 52.1 %
common beech: 19.5 %
hornbeam: 10.9 %
common ash: 7.7 %
Italian maple: 6.8 %
field maple: 2.7 %
European hop-hornbeam: 0.2 %
sycamore maple: 0.1 %
Lobels maple: 0 %
small-leaved lime: 0 %
cornelian cherry: 0 %
wild service tree: 0 %
hazel: 0 %

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

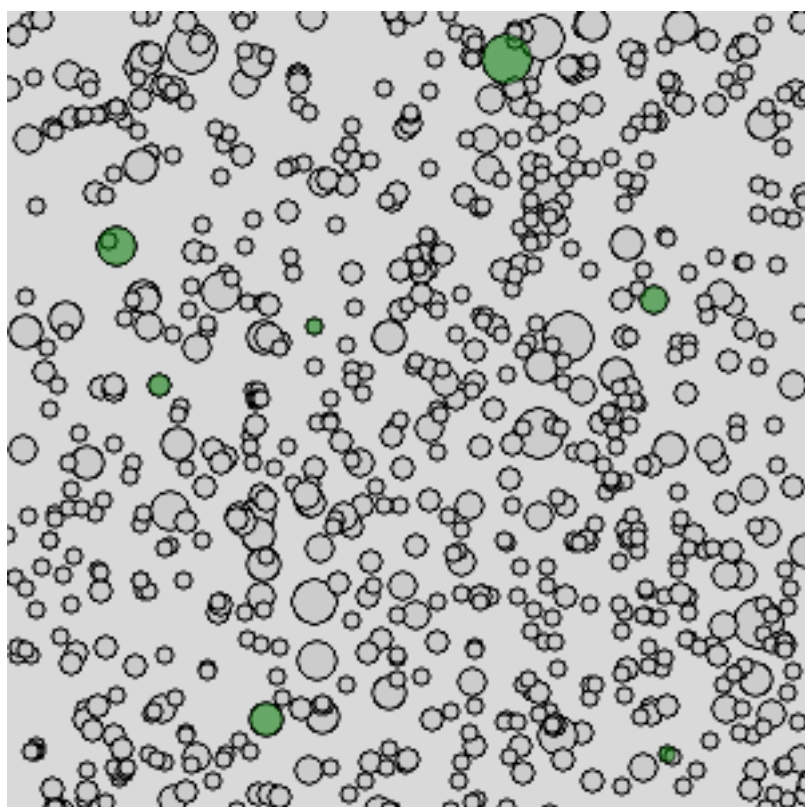
Tree species	N/ha	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Microhabitats (N)
European hop-hornbeam	1	0	0.1	2	0	0
Italian maple	3	0.2	2.6	68	37	4
Lobels maple	0	0	0	0	0	0
Turkey oak	12	1.7	20.1	673	409	19
common ash	5	0.3	3	79	123	6
common beech	6	0.7	7.5	210	86	4
cornelian cherry	0	0	0	0	0	0
field maple	1	0.1	1	27	80	4
hazel	0	0	0	0	0	0
hornbeam	3	0.4	4.2	125	129	6
small-leaved lime	0	0	0	0	0	0
sycamore maple	1	0	0	1	0	0
wild service tree	0	0	0	0	0	0
Total	32	3.4	38.5	1185	864	43

Number of habitat trees	[N]	7
Habitat value	pts.	547
	[% of total]	3.8
Economic value	[€]	555
	[% of total]	4.7
Number of microhabitats	[N]	24
	[% of total]	3.2

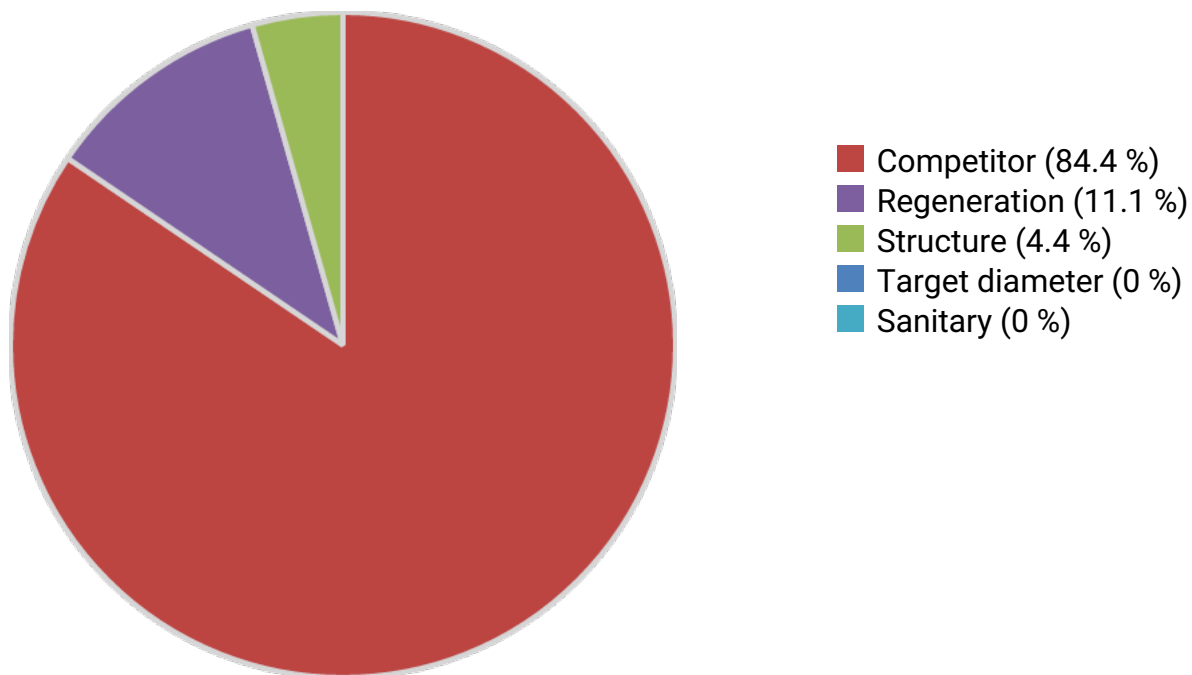
Habitat tree distribution by species (N in %)



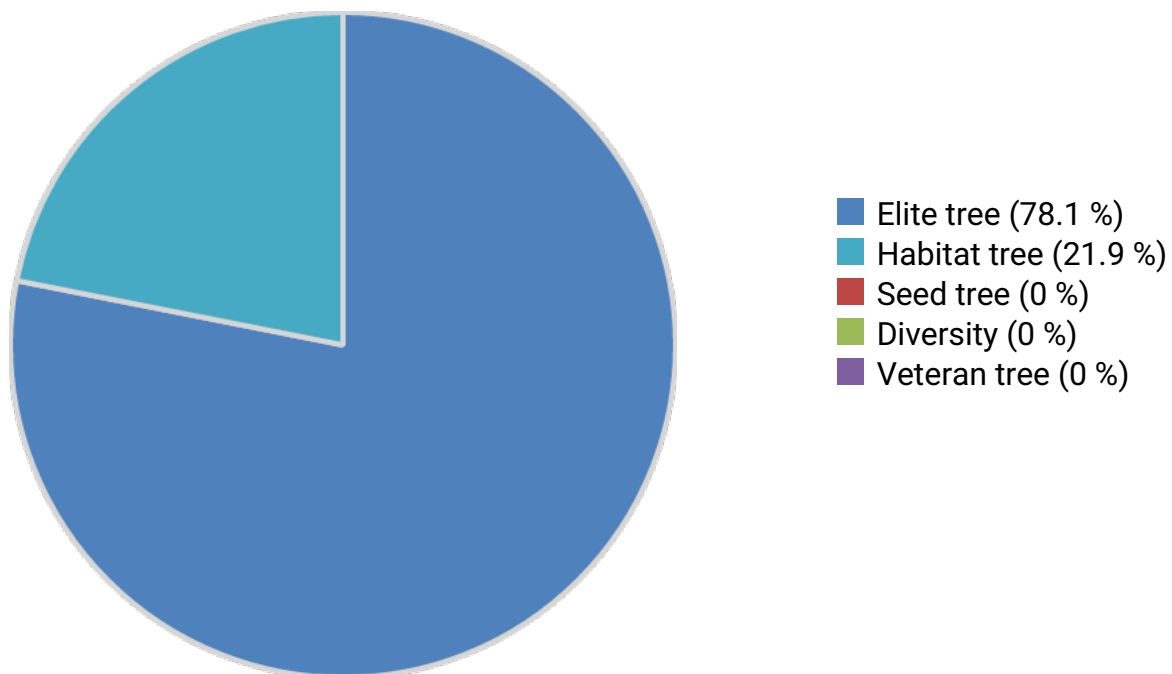
Spatial distribution of habitat trees



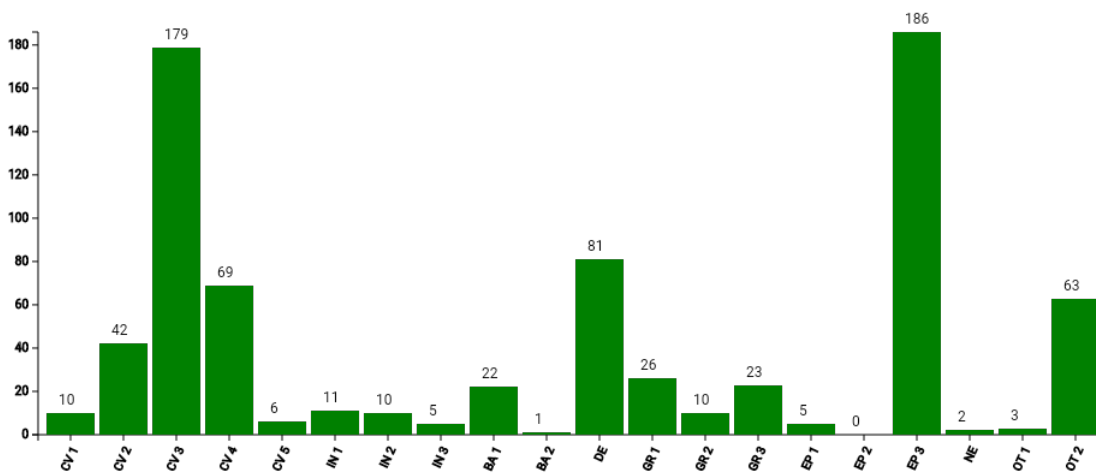
Reasons for removal



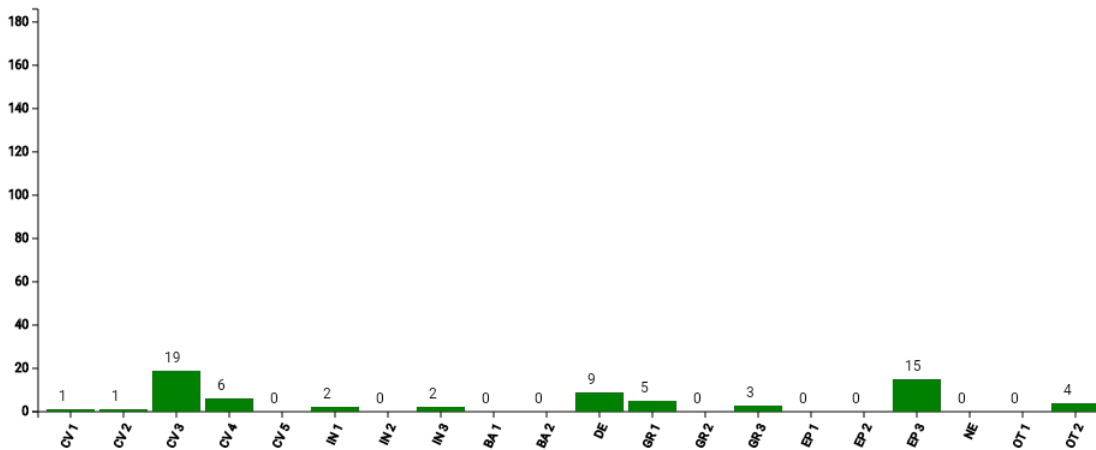
Reasons for retention



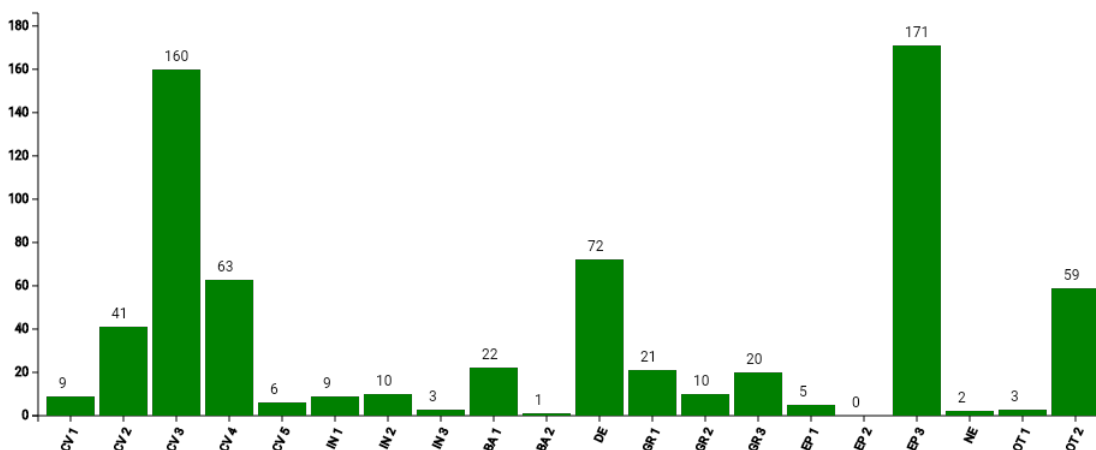
Distribution of tree microhabitats by code (N total)



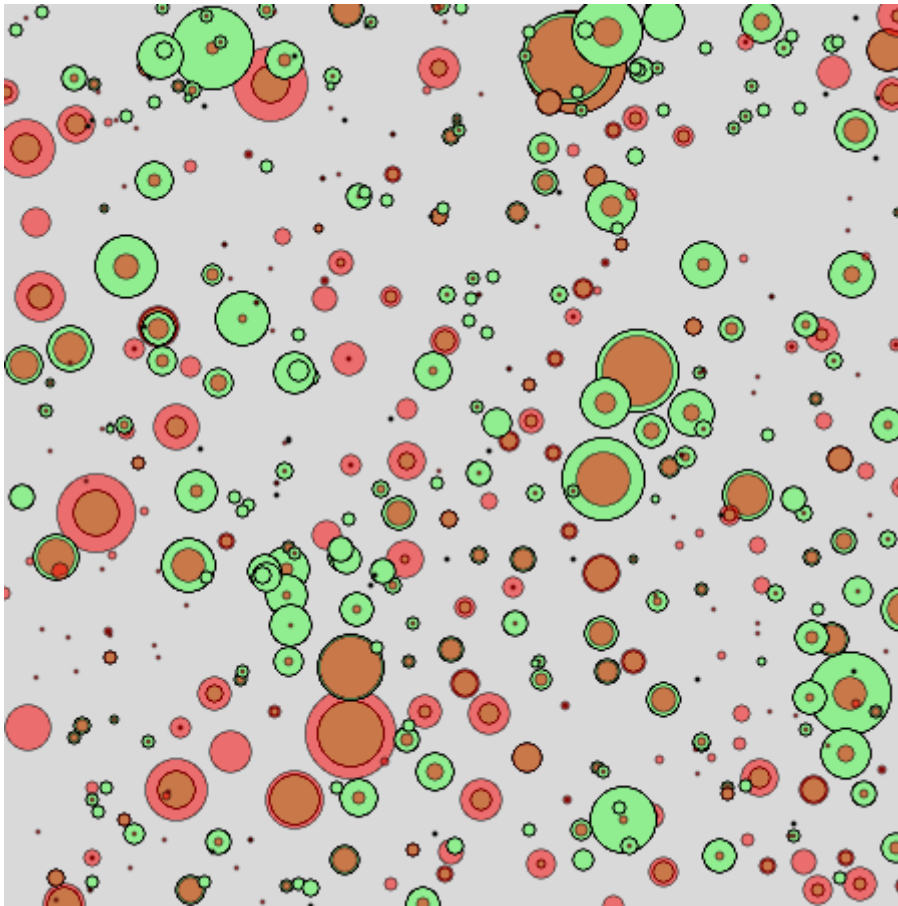
Removed tree microhabitats by code (N removed)



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
common beech (115) [REPLACE_DEAD]Fagus sylvatica	57.5	0.26	3.6	100	51	Regeneration
Turkey oak (234) [REPLACE_DEAD]Quercus cerris	54	0.23	2.7	90	32	Competitor
hornbeam (39) [REPLACE_DEAD]Carpinus betulus	52	0.21	3.2	96	0	Regeneration
Turkey oak (407) [REPLACE_DEAD]Quercus cerris	51.5	0.21	2.5	82	3	Competitor
Turkey oak (301) [REPLACE_DEAD]Quercus cerris	50.5	0.2	2.4	82	36	Competitor
Turkey oak (762) [REPLACE_DEAD]Quercus cerris	49	0.19	2.5	84	87	Competitor
Turkey oak (459) [REPLACE_DEAD]Quercus cerris	48.5	0.19	2.2	74	44	Competitor
Turkey oak (57) [REPLACE_DEAD]Quercus cerris	48	0.18	2.3	77	95	Competitor
Turkey oak (667) [REPLACE_DEAD]Quercus cerris	47	0.17	1.5	51	51	Competitor
Turkey oak (176) [REPLACE_DEAD]Quercus cerris	46.5	0.17	1.7	56	22	Competitor
Turkey oak (387) [REPLACE_DEAD]Quercus cerris	46	0.17	2	66	35	Competitor
Turkey oak (477) [REPLACE_DEAD]Quercus cerris	44	0.15	1.7	58	14	Competitor
Turkey oak (522) [REPLACE_DEAD]Quercus cerris	43.5	0.15	1.6	54	72	Competitor
Turkey oak (487) [REPLACE_DEAD]Quercus cerris	43.5	0.15	2	67	24	Competitor
Turkey oak (509) [REPLACE_DEAD]Quercus cerris	42	0.14	1.5	51	67	Competitor
Turkey oak (463) [REPLACE_DEAD]Quercus cerris	42	0.14	1.5	49	0	Competitor
Turkey oak (464) [REPLACE_DEAD]Quercus cerris	41	0.13	1.7	57	24	Competitor
Turkey oak (512) [REPLACE_DEAD]Quercus cerris	40.5	0.13	1.3	42	50	Competitor
Turkey oak (728) [REPLACE_DEAD]Quercus cerris	40	0.13	1.2	41	28	Competitor
Italian maple (697) [REPLACE_DEAD]Acer opalus	40	0.13	1.2	31	102	Competitor
Turkey oak (669)	40	0.13	1.3	45	15	Competitor

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
[REPLACE_DEAD]Quercus cerris						
Turkey oak (496) [REPLACE_DEAD]Quercus cerris	36.5	0.11	1.1	38	0	Competitor
Turkey oak (466) [REPLACE_DEAD]Quercus cerris	34	0.09	1	33	24	Competitor
Turkey oak (370) [REPLACE_DEAD]Quercus cerris	33.5	0.09	1.1	35	24	Competitor
Turkey oak (673) [REPLACE_DEAD]Quercus cerris	33	0.09	1	33	0	Competitor
Turkey oak (435) [REPLACE_DEAD]Quercus cerris	31.5	0.08	0.8	28	46	Competitor
Turkey oak (358) [REPLACE_DEAD]Quercus cerris	31	0.08	0.8	27	50	Competitor
hornbeam (99) [REPLACE_DEAD]Carpinus betulus	30	0.07	0.8	22	24	Competitor
common beech (693) [REPLACE_DEAD]Fagus sylvatica	26	0.05	0.6	16	0	Competitor
Turkey oak (519) [REPLACE_DEAD]Quercus cerris	24	0.05	0.5	16	8	Competitor
Turkey oak (501) [REPLACE_DEAD]Quercus cerris	24	0.05	0.5	16	0	Competitor
Turkey oak (56) [REPLACE_DEAD]Quercus cerris	22	0.04	0.5	16	0	Competitor
common beech (111) [REPLACE_DEAD]Fagus sylvatica	22	0.04	0.3	9	0	Competitor
Turkey oak (498) [REPLACE_DEAD]Quercus cerris	21.5	0.04	0.5	15	36	Competitor
hornbeam (220) [REPLACE_DEAD]Carpinus betulus	21.5	0.04	0.3	10	28	Regeneration
Turkey oak (747) [REPLACE_DEAD]Quercus cerris	21	0.04	0.3	9	36	Competitor
Lobels maple (736) [REPLACE_DEAD]Acer lobelii	17	0.02	0.2	5	27	Competitor
Turkey oak (460) [REPLACE_DEAD]Quercus cerris	16.5	0.02	0.2	6	28	Structure
Turkey oak (461) [REPLACE_DEAD]Quercus cerris	15	0.02	0.1	5	0	Competitor
Italian maple (748) [REPLACE_DEAD]Acer opalus	14	0.02	0.1	2	0	Competitor
Italian maple (226) Acer opalus	13	0.01	0.1	3	0	Structure

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
hornbeam (219) [REPLACE_DEAD]Carpinus betulus	10.5	0.01	0.1	2	8	Regeneration
hornbeam (218) [REPLACE_DEAD]Carpinus betulus	10	0.01	0.1	2	0	Regeneration
Italian maple (749) [REPLACE_DEAD]Acer opalus	10	0.01	0	1	0	Competitor
common beech (112) [REPLACE_DEAD]Fagus sylvatica	9	0.01	0	1	0	Competitor

Retention trees

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
Turkey oak (244) [REPLACE_DEAD]Quercus cerris	75	0.44	5.2	173	199	Habitat tree
common beech (108) [REPLACE_DEAD]Fagus sylvatica	61	0.29	3.3	93	46	Habitat tree
Turkey oak (377) [REPLACE_DEAD]Quercus cerris	59	0.27	3.5	118	109	Habitat tree
common beech (179) [REPLACE_DEAD]Fagus sylvatica	58	0.26	2.6	72	8	Habitat tree
Turkey oak (716) [REPLACE_DEAD]Quercus cerris	47	0.17	2.6	86	30	Elite tree
hornbeam (116) [REPLACE_DEAD]Carpinus betulus	46	0.17	2.1	62	0	Elite tree
hornbeam (144) [REPLACE_DEAD]Carpinus betulus	44	0.15	1.7	50	129	Habitat tree
Turkey oak (511) [REPLACE_DEAD]Quercus cerris	43	0.15	1.6	55	44	Elite tree
Italian maple (35) [REPLACE_DEAD]Acer opalus	42	0.14	1.8	46	11	Elite tree
Turkey oak (365) [REPLACE_DEAD]Quercus cerris	40	0.13	1.6	52	0	Elite tree
Turkey oak (298) [REPLACE_DEAD]Quercus cerris	40	0.13	1.2	40	0	Elite tree
Turkey oak (668) [REPLACE_DEAD]Quercus cerris	37	0.11	0.9	31	0	Elite tree
common ash (703) [REPLACE_DEAD]Fraxinus excelsior	35	0.1	1	26	56	Habitat tree
Turkey oak (489) [REPLACE_DEAD]Quercus cerris	34.5	0.09	0.9	32	27	Elite tree
field maple (139) [REPLACE_DEAD]Acer campestre	33	0.09	1	27	80	Elite tree
Italian maple (674) [REPLACE_DEAD]Acer opalus	33	0.09	0.7	19	26	Elite tree
Turkey oak (58) [REPLACE_DEAD]Quercus cerris	33	0.09	1.1	35	0	Elite tree
common ash (357) [REPLACE_DEAD]Fraxinus excelsior	31	0.08	0.7	19	0	Elite tree
common ash (480) [REPLACE_DEAD]Fraxinus excelsior	29.5	0.07	0.9	23	40	Elite tree
Turkey oak (53) [REPLACE_DEAD]Quercus cerris	29	0.07	0.7	25	0	Elite tree

Tree	DBH (cm)	Basal area (m ²)	Volume (m ³)	Economic value (€)	Habitat value (pts.)	Reason
common beech (109) [REPLACE_DEAD]Fagus sylvatica	27	0.06	0.5	14	32	Elite tree
Turkey oak (468) [REPLACE_DEAD]Quercus cerris	27	0.06	0.7	22	0	Habitat tree
common beech (235) [REPLACE_DEAD]Fagus sylvatica	26	0.05	0.5	14	0	Elite tree
hornbeam (140) [REPLACE_DEAD]Carpinus betulus	22.5	0.04	0.4	13	0	Elite tree
common beech (692) [REPLACE_DEAD]Fagus sylvatica	22	0.04	0.4	11	0	Elite tree
common ash (750) [REPLACE_DEAD]Fraxinus excelsior	21	0.04	0.3	8	27	Elite tree
common beech (50) [REPLACE_DEAD]Fagus sylvatica	17	0.02	0.2	6	0	Elite tree
Italian maple (745) [REPLACE_DEAD]Acer opalus	14	0.02	0.1	4	0	Elite tree
Turkey oak (494) [REPLACE_DEAD]Quercus cerris	13	0.01	0.1	3	0	Elite tree
common ash (735) [REPLACE_DEAD]Fraxinus excelsior	12	0.01	0.1	2	0	Elite tree
European hop-hornbeam (227) [REPLACE_DEAD]Ostrya carpinifolia	12	0.01	0.1	2	0	Elite tree
sycamore maple (520) [REPLACE_DEAD]Acer pseudoplatanus	9.5	0.01	0	1	0	Elite tree