

Table A.1. Values of soil parameters and ecoindicators reported for each vegetation relevé and soil profile.

Rel/ Prof	Soil Parameters						Plant Ecoindicators					
	pH	CaCO3%	Org C %	N %	C/N	AWC (mm)	H	L	T	R	F	N
1	7.4	0.0	3.3	0.2	13.7	129	3.0	3.3	7.7	5.0	7.2	3.9
2	7.6	0.8	2.6	0.2	11.4	140	2.9	3.4	6.6	6.0	7.0	6.3
3	6.2	0.0	1.4	0.2	7.9	221	2.2	3.4	6.7	5.8	7.2	6.1
4	5.9	0.0	1.4	0.2	7.1	217	3.0	3.3	6.0	6.1	7.5	6.5
5	7.7	11.4	4.3	0.6	6.9	97	3.7	6.0	8.0	4.0	7.4	3.9
6	5.6	0.0	2.8	0.3	11.2	228	2.7	3.4	6.7	5.6	7.1	5.7
7	7.3	2.3	3.4	0.3	10.5	246	2.1	3.1	6.7	5.8	7.4	5.9
8	7.4	0.0	6.8	1.0	7.0	110	2.3	5.1	7.3	4.8	7.3	5.2
9	8.3	0.0	2.6	0.3	9.4	142	2.3	4.3	6.7	4.9	7.5	4.8
10	6.5	0.0	4.5	0.4	10.2	108	1.8	3.5	6.4	5.9	7.3	6.2
11	6.5	0.0	3.2	0.3	10.7	243	2.3	4.3	7.1	5.1	7.4	5.2
12	7.4	0.0	2.5	0.2	10.1	100	1.8	3.5	6.4	5.7	7.5	5.8
13	5.7	0.0	0.9	0.1	8.8	190	2.5	3.5	6.5	5.8	7.4	6.1
14	7.2	0.3	2.2	0.2	9.2	206	2.5	3.5	6.7	5.8	7.4	6.1
15	7.1	0.0	3.9	0.4	9.2	99	2.8	4.4	7.4	5.1	7.5	5.0
16	5.8	0.0	1.3	0.1	8.8	180	2.3	3.3	6.6	5.8	7.4	6.0
17	6.0	0.0	3.5	0.4	9.5	221	2.0	3.1	6.8	5.7	7.2	5.8
18	7.4	0.3	1.4	0.1	11.2	193	2.3	3.3	5.8	6.2	7.4	6.8
19	6.6	0.0	2.8	0.3	9.5	218	2.5	3.9	6.2	5.6	7.6	5.8
20	8.3	0.3	1.4	0.2	7.0	200	2.2	3.2	6.4	6.0	7.4	6.2
21	6.5	0.0	1.1	0.2	6.6	203	2.0	3.3	6.6	5.8	7.2	6.0
22	7.7	0.1	3.0	0.3	11.1	228	2.5	3.6	6.4	5.9	7.5	6.2
23	7.2	0.0	3.3	0.4	8.7	238	2.3	3.3	6.5	6.0	7.4	6.2
24	7.1	0.0	3.0	0.3	8.6	91	2.4	3.3	6.3	6.1	7.3	6.4
25	7.8	0.4	2.5	0.4	7.2	214	2.3	3.3	6.5	5.9	7.4	6.1
26	8.3	9.9	3.3	0.3	10.1	243	2.3	3.3	6.7	5.9	7.4	6.2
27	6.5	0.0	2.9	0.3	10.0	214	2.8	3.6	6.1	6.2	7.4	6.7
28	8.5	7.8	3.4	0.3	10.5	243	2.2	3.2	6.3	5.8	7.4	6.0
29	6.9	0.0	4.1	0.4	10.3	111	3.0	4.7	7.4	5.1	7.5	5.2
30	7.9	0.0	5.3	0.6	8.7	68	2.8	3.9	7.1	5.5	7.5	5.6

Table A.2. Species coverage in the sub-clusters expressed as percentage values. Species abbreviations are reported in the first column.

	Species Names	Sub-cluster				
		I°a	I°b	II°a	II°b	II°c
Ace.cam	<i>Acer campestre L.</i>	0.5	6.5	71	81	57
Ace.mon	<i>Acer monspessulanum L.</i>		16			
Ace.obt	<i>Acer obtusatum Wild.</i>				6.5	
Aeg.gen	<i>Aegilops geniculata Roth.</i>	0.5				
Agr.eup	<i>Agrimonia eupatoria L.</i>		0.5		0.5	
Aju.rep	<i>Ajuga reptans L.</i>		0.5	5.5	0.5	1
All.pet	<i>Alliaria petiolata (MB.) Cavara & Grande</i>		0.5	1.5		
All.tri	<i>Allium triquetrum L.</i>		0.5	0.5		
Ana.arv	<i>Anagallis arvensis L.</i>	0.5				
Anc.ita	<i>Anchusa italica Retz.</i>				0.5	2.5
Ane.ape	<i>Anemone apennina L.</i>	7	95	21	15.5	47.5
Ane.hor	<i>Anemone hortensis L.</i>	0.5	0.5			
Ari.pro	<i>Arisarum proboscideum (L.) Savi</i>	0.5				
Ari.rot	<i>Aristolochia rotunda L.</i>	5	0.5	1	1	1
Aru.ita	<i>Arum italicum Miller</i>	1.5	31.5	2	1.5	2
Asp.acu	<i>Asparagus acutifolius L.</i>	15	16.5	7.5	36.5	2.5
Asp.ono	<i>Asplenium onopteris L.</i>	0.5			1	0.5
Asp.tri	<i>Asplenium trichomanes L.</i>	0.5				
Bel.per	<i>Bellis perennis L.</i>					0.5
Ble.spi	<i>Blechnum spicant (L.) Roth</i>	0.5	0.5			
Bra.syl	<i>Brachypodium sylvaticum (Hudson) Beauv.</i>		1	1.5		2
Bry.dio	<i>Bryonia dioica Jacq.</i>			0.5		
Car.ama	<i>Cardamine amara L.</i>	5		0.5		
Car.div	<i>Carex divulsa Stokes</i>		0.5			
Car.fla	<i>Carex flacca Schreber</i>	0.5	2	1	0.5	11
Car.ori	<i>Carpinus orientalis Miller</i>	12.5	25	27.5	151	373.5
Cel.aus	<i>Celtis australis L.</i>		0.5			
Cer.sil	<i>Cercis siliquastrum L.</i>		65.5			
Cha.hir	<i>Chaerophyllum hirsutum L.</i>	0.5			0.5	
Cle.vit	<i>Clematis vitalba L.</i>			0.5		
Cor.mas	<i>Cornus mas L.</i>		4	17	1	53.5
Cor.san	<i>Cornus sanguinea L.</i>	0.5		6	1	21
Cor.ave	<i>Corylus avellana L.</i>				11	
Cra.mon	<i>Crataegus monogyna Jacq.</i>		5.5	3	1.5	15.5
Cra.oxy	<i>Crataegus oxyacantha L.</i>		1	46.5	41	39.5
Cre.neg	<i>Crepis neglecta L.</i>	0.5	0.5			
Cru.lae	<i>Cruciata laevipes Opiz</i>					1
Cyc.hed	<i>Cyclamen hederifolium Aiton</i>	0.5	0.5	5	5.5	65
Cyc.rep	<i>Cyclamen repandum Sm.</i>	3	6.5	5.5	1	1.5
Cyn.ech	<i>Cynosurus echinatus L.</i>	0.5	0.5			
Dac.glo	<i>Dactylis glomerata L.</i>					0.5
Duc.car	<i>Daucus carota L.</i>		0.5			
Ech.sic	<i>Echinops sculus Strobl.</i>	0.5		1		0.5
Euو.eur	<i>Euonymus europaeus L.</i>	6.5	22	22.5	22	18.5
Eup.amy	<i>Euphorbia amygdaloides L.</i>		1	0.5	0.5	1.5
Fra.ves	<i>Fragaria vesca L.</i>			0.5		0.5

	Species Names	Sub-cluster				
		I°a	I°b	II°a	II°b	II°c
Fra.orn	<i>Fraxinus ornus L.</i>	35.5	121.5	66.5	77	57.5
Fum.cap	<i>Fumaria capreolata L.</i>		0.5			
Gal.apa	<i>Galium aparine L.</i>	0.5	0.5	2	1	1
Gen.tin	<i>Genista tinctoria L.</i>					0.5
Ger.rob	<i>Geranium robertianum L.</i>		0.5			
Geu.urb	<i>Geum urbanum L.</i>		0.5	0.5		
Gle.hed	<i>Glechoma hederacea L.</i>		5		0.5	
Hed.hel	<i>Hedera helix L.</i>	6	65.5	67	97.5	71
Hip.eme	<i>Hippocrepis emerus (L.) Lassen</i>		0.5			
Hol.lan	<i>Holcus lanatus L.</i>					0.6
Lam.alb	<i>Lamium album L.</i>			1		
Lam.bif	<i>Lamium bifidum Cyr.</i>	0.5		0.5		
Lam.pur	<i>Lamium purpureum L.</i>	1	0.5			
Lat.cly	<i>Lathyrus clymenum L.</i>					0.1
Lat.pra	<i>Lathyrus pratensis L.</i>					0.1
Lat.ven	<i>Lathyrus venetus (Miller) Wohlf.</i>	0.5		11	1	5.9
Lau.nob	<i>Laurus nobilis L.</i>			1		
Lav.pun	<i>Lavatera punctata All.</i>		0.5			
Lig.vul	<i>Ligustrum vulgare L.</i>		4.5	51	16.6	19.5
Lit.pur	<i>Lithospermum purpureocaeruleum L.</i>		0.5		0.5	1
Lol.mul	<i>Lolium multiflorum Lam.</i>		0.5			
Lon.cap	<i>Lonicera caprifolium L.</i>	0.5	26.5	26.5	17.5	11.5
Lot.orn	<i>Lotus ornithopodioides L.</i>	0.5				
Luz.for	<i>Luzula forsteri (L.) DC.</i>	0.5		5.5	0.5	0.5
Mal.syl	<i>Malus sylvestris Miller</i>			5	0.5	1.8
Mel.cil	<i>Melica ciliata L.</i>		0.5			
Mel.uni	<i>Melica uniflora Retz.</i>	0.5	5.5	1	1	2
Mel.mel	<i>Melittis melissophyllum L.</i>			6	0.5	0.6
Mes.ger	<i>Mespilus germanica L.</i>			1	0.5	
Oen.pim	<i>Oenanthe pimpinelloides L.</i>		0.5	0.5		1
Ono.ill	<i>Onopordum illyricum L.</i>					0.5
Orn.pyr	<i>Ornithogalum pyramidale L.</i>		1.5	0.5		
Ost.car	<i>Ostrya carpinifolia Scop.</i>	4		4	5.5	
Pal.spi	<i>Pallenis spinosa (L.) Cass.</i>		5			
Phi.lat	<i>Phillyrea latifolia L.</i>	1.5	91		2.5	0.5
Pyr.pyr	<i>Pyrus pyraster Burgsd.</i>					0.5
Pis.ter	<i>Pistacia terebinthus L.</i>		55.5			
Pla.bif	<i>Platanthera bifolia (L.) Rchb.</i>			0.5		
Poa.tri	<i>Poa trivialis L.</i>		0.5			
Pol.cam	<i>Polypodium cambricum L.</i>	0.5				
Pol.vul	<i>Polypodium vulgare L.</i>		0.5			0.5
Pru.spi	<i>Prunus spinosa L.</i>		1	2	5	2.25
Pul.odo	<i>Pulicaria odora (L.) Rchb.</i>		0.5			
Que.cer	<i>Quercus cerris L.</i>	15	286.5	534	442	429.5
Que.fra	<i>Quercus frainetto Ten.</i>			178.5	5	72.5
Que.ile	<i>Quercus ilex L.</i>	136.5	35		0.5	1
Que.pub	<i>Quercus pubescens Wild.</i>	4	131.5	3		36
Que.rob	<i>Quercus robur L.</i>			2	2	

	Species Names	Sub-cluster				
		I°a	I°b	II°a	II°b	II°c
Ran.bul	<i>Ranunculus bulbosus L.</i>		0.5	5		
Ran.lan	<i>Ranunculus lanuginosus L.</i>				0.5	0.5
Ran.vel	<i>Ranunculus velutinus Ten.</i>			1		0.5
Ros.can	<i>Rosa canina L.</i>		5	0.5		
Ros.sem	<i>Rosa sempervirens L.</i>		5.5	11	21	22.5
Rub.per	<i>Rubia peregrina L.</i>	5.5	7	11	11.5	3.5
Rub.ulm	<i>Rubus ulmifolius Schott.</i>		1	21	15.5	2.5
Rus.acu	<i>Ruscus aculeatus L.</i>	3.5	235	189	325	162.5
Sam.nig	<i>Sambucus nigra L.</i>				5.5	0.5
Sca.mar	<i>Scabiosa maritima L.</i>		0.5			
Sec.sec	<i>Securigera securidaca (L.) Degen & Dorfler</i>		0.5			
She.arv	<i>Sherardia arvensis L.</i>		0.5	0.5		
Sil.ita	<i>Silene italica (L.) Pers.</i>			0.5		
Smi.asp	<i>Smilax aspera L.</i>	1	22.5		1.5	2.55
Son.arv	<i>Sonchus arvensis L.</i>	0.5				
Sor.dom	<i>Sorbus domestica L.</i>		5	12	1.5	1.6
Sor.tor	<i>Sorbus torminalis (L.) Crantz</i>	1	5.5	31	13	7
Sta.off	<i>Stachys officinalis (L.) Trevisan</i>		1	1		2.75
Sta.cre	<i>Stachys cretica subsp.salviifolia (Ten.) Rech.fil.</i>			0.5		
Sta.syl	<i>Stachys sylvatica L.</i>			2	0.5	5
Ste.med	<i>Stellaria media (L.) Vill.</i>	2.5	1			
Sty.off	<i>Styrax officinalis L.</i>	6	6.5	5.5	5.6	26.5
Sym.bul	<i>Symphytum bulbosum C. Schimper</i>			0.5	1	
Sym.off	<i>Symphytum officinale L.</i>				5	1
Tam.com	<i>Tamus communis L.</i>		0.5	1.5	0.5	0.5
Tha.aqu	<i>Thalictrum aquilegifolium L.</i>					1
Tor.apu	<i>Tordylium apulum L.</i>		0.5			
Tri.cam	<i>Trifolium campestre Schreber</i>		5.5	0.5		
Tri.seb	<i>Trifolium sebastianii Savi</i>				0.5	
Ulm.min	<i>Ulmus minor Miller</i>		16	21.7	1	0.5
Vib.tin	<i>Viburnum tinus L.</i>	26			1	0.5
Vic.gra	<i>Vicia grandiflora Scop.</i>		0.5		0.5	
Vic.hir	<i>Vicia hirsuta (L.) S.F.Gray</i>			0.5	0.5	
Vin.min	<i>Vinca minor L.</i>			0.5		
Vio.rei	<i>Viola reichenbachiana Jordan ex Boreau</i>	0.5	0.5	1.5	1	2
Vio.sua	<i>Viola suavis Bieb.</i>	0.5	0.5	5	5	