Table S1 List of species present across the GR-LEO summits (LOW, CHO, SEK and STR) during the 2001 and 2008 surveys, their families, life forms (P=Phanerophyte, Ch=Chamaephyte, H=Hemicryptophyte, G=Geophyte, T=Therophyte) and their endemism to Cretan flora.

Species	Family	Life form*	Endemism	LOW		CHO		SEK		STR	
				2001	2008	2001	2008	2001	2008	2001	2008
Acantholimon androsaceum	Plumbaginaceae	Ch	●	●	●	●	●	●	●	●	●
Acer sempervirens	Aceraceae	P		●	●						
Aethionema saxatile subsp. *creticum*	Cruciferae	Ch		●	●	●					
Allium rubrovittatum	Liliaceae	G		●	●						
Alyssum fragillimum	Cruciferae	Ch	●	●		●	●	●	●	●	●
Alyssum sphacioticum	Cruciferae	Ch	●					●	●	●	●
Anthemis rigida	Compositae	T		●							
Arabis alpina subsp. *alpina*	Cruciferae	H		●	●	●	●	●	●		
Arabis cretica	Cruciferae	H	●	●	●						
Arenaria cretica	Caryophyllaceae	Ch								●	●
Asperula idaea	Rubiaceae	Ch	●	●	●	●	●	●	●	●	●
Astragalus angustifolius subsp. *angustifolius*	Leguminosae	Ch		●	●	●	●	●	●		
Aubrieta deltoidea	Cruciferae	Ch		●	●	●	●	●	●	●	●
Avenula cycladum	Gramineae	H		●	●	●			●		
Berberis cretica	Berberidaceae	P		●	●	●	●	●	●		
Bromus squarrosus	Gramineae	T		●	●						
Bromus tectorum	Gramineae	T		●	●						
Bufonia stricta subsp. *stricta*	Caryophyllaceae	Ch		●	●	●	●				
Bupleurum trichopodum	Umbelliferae	T		●	●						
Carlina corymbosa subsp. *curetum*	Compositae	H	●	●	●						
Centaurea idaea	Compositae	H	●	●	●	●	●				●
Centaurea raphanina subsp. *raphanina*	Compositae	H	●	●	●		●				
Cerastium semidecandrum	Caryophyllaceae	T		●	●						
Cicer incisum	Leguminosae	H					●	●	●		

Species	Family	Life form*	Endemism	LOW		CHO		SEK		STR	
				2001	2008	2001	2008	2001	2008	2001	2008
Crepis sibthorpiana	Compositae	H	●	●	●	●	●				
Cuscuta atrans	Convonvulaceae	T	●	●	●						
Dactylis glomerata subsp*. rigida*	Gramineae	H	●	●	●						
Draba cretica	Cruciferae	Ch	●	●	●	●	●	●	●	●	●
Erysimum mutabile	Cruciferae	H	●	●							
Euphorbia acanthothamnos	Euphorbiaceae	Ch		●	●						
Euphorbia herniariifolia	Euphorbiaceae	G				●	●	●	●	●	●
Festuca circummediterranea	Gramineae	H		●	●						
Festuca polita	Gramineae	H								●	●
Galium sp.	Rubiaceae	T		●	●						
Galium verticillatum	Rubiaceae	T		●	●	●	●				
Helichrysum italicum subsp*. microphyllum*	Compositae	Ch		●	●						
Herniaria parnassica subsp*. cretica*	Caryophyllaceae	Ch	●	●							
Hypericum empetrifolium	Guttiferae	Ch		●	●						
Juniperus oxycedrus subsp*. oxycedrus*	Cupressaceae	P		●	●						
Lactuca viminea subsp*. alpestris*	Compositae	H	●	●	●	●	●	●	●		
Lepidium hirtum subsp*. oxyotum*	Cruciferae	H				●		●			
Medicago lupulina	Leguminosae	T/H		●	●						
Melica rectiflora	Gramineae	H		●	●	●	●				
Minuartia verna subsp*. attica*	Caryophyllaceae	Ch				●	●	●	●	●	●
Muscari spreitzenhoferi	Liliaceae	G	●	●	●						
Myosotis refracta subsp*. refracta*	Boraginaceae	T				●	●				
Unknown annual in GR_LEO_CHO_W31		T				●					
Unknown in GR_LEO_CHO_S13		T				●					
Paracaryum lithospermifolium subsp*. carience*	Boraginaceae	H		●	●	●	●	●	●	●	●
Paronychia macrosepala	Caryophyllaceae	H		●	●	●	●				
Peucedanum alpinum	Umbelliferae	H						●	●	●	●

Species	Family	Life form*	Endemism	LOW		CHO		SEK		STR	
				2001	2008	2001	2008	2001	2008	2001	2008
Pimpinella tragium subsp*. depressa*	Umbelliferae	Ch	●	●	●	●	●				
Poa bulbosa subsp*. bulbosa*	Gramineae	H		●	●						
Prunus prostrata	Rosaceae	Ch		●	●	●	●	●	●	●	●
Ranunculus sp.	Ranunculaceae	H		●							
Rhamnus lycioides subsp*. oleoides*	Rhamnaceae	P		●	●						
Satureja spinosa	Labiatae	Ch		●	●						
Scutellaria hirta	Labiatae	Ch	●	●	●	●					
Sedum album	Crassulaceae	Ch		●	●	●	●				
Sedum amplexicaule subsp*. tenuifolium*	Crassulaceae	Ch		●	●						
Sedum tristriatum	Crassulaceae	Ch		●	●	●	●			●	●
Sideritis syriaca subsp*. syriaca*	Labiatae	Ch	●	●							
Stipa bromoides	Gramineae	H		●	●						
Taraxacum bithynicum	Compositae	H		●	●	●	●	●			
Teucrium alpestre subsp*. alpestre*	Labiatae	Ch	●	●	●						
Thesium bergeri	Santalaceae	H/Ch		●	●						
Thymus capitatus	Labiatae	Ch		●	●						
Velezia rigida	Caryophyllaceae	T		●	●						
Verbascum spinosum	Scrophulariaceae	Ch	●	●	●	●					
Veronica thymifolia	Scrophulariaceae	Ch		●	●	●	●				
Sedum acre	Crassulaceae	Ch			●						
Psoralea bituminosa	Leguminosae	H			●						
Unknown Geophyte in GR_LEO_CHO_W13		G					●				
Silene variegata	Caryophyllaceae	H	●						●		

Table S2 Species turnover (T_{sp}) for species recorded in the $1m^2$ quadrats for each summit (LOW, CHO, SEK AND STR) and for the four summits combined (GR-LEO) ; A= Number of quadrats the species appeared in 2008, D= Number of quadrats the species disappeared in 2008, U= Number of quadrats the species unchanged

Species	Life form	LOW				CHO				SEK				STR				GR-LEO			
		A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}
Acer sempervirens	Phanerophyte	0	0	1	0.00	0	0	0		0	0	0		0	0	0		0	0	1	0.00
Aethionema saxatile subsp*. creticum*	Chamaephyte	3	2	4	0.56	0	0	0		0	0	0		0	0	0		3	2	4	0.56
Alyssum fragillimum	Chamaephyte	0	1	0	1.00	0	2	3	0.40	0	0	1	0.00	0	0	0		0	3	4	0.43
Alyssum sphacioticum	Chamaephyte	0	0	0		0	0	0		0	0	7	0.00	0	0	1	0.00	0	0	8	0.00
Arabis alpina subsp*. alpina*	Hemicryptophyte	0	0	1	0.00	0	0	0		0	0	0		0	0	0		0	0	1	0.00
Arabis cretica	Hemicryptophyte	1	0	0	1.00	0	0	0		0	0	0		0	0	0		1	0	0	1.00
Arenaria cretica	Chamaephyte	0	0	0		0	0	0		0	0	0		0	0	3	0.00	0	0	3	0.00
Asperula idaea	Chamaephyte	0	2	10	0.17	1	3	8	0.33	0	0	1	0.00	0	0	0		1	5	19	0.24
Astragalus angustifolius subsp*. angustifolius*	Chamaephyte	0	0	4	0.00	0	0	7	0.00	0	0	0		0	0	0		0	0	11	0.00
Aubrieta deltoidea	Chamaephyte	0	0	1	0.00	1	1	2	0.50	0	0	0		0	0	0		1	1	3	0.40
Avenula cycladum	Hemicryptophyte	0	1	9	0.10	0	0	0		0	0	0		0	0	0		0	1	9	0.10
Berberis cretica	Phanerophyte	1	0	1	0.50	0	0	3	0.00	0	0	0		0	0	0		1	0	4	0.20
Bromus tectorum	Therophyte	1	1	6	0.25	0	0	0		0	0	0		0	0	0		1	1	6	0.25
Bufonia stricta subsp*. stricta*	Chamaephyte	0	0	3	0.00	0	0	2	0.00	0	0	0		0	0	0		0	0	5	0.00
Bupleurum trichopodum	Therophyte	5	1	6	0.50	0	0	0		0	0	0		0	0	0		5	1	6	0.50
Centaurea idaea	Hemicryptophyte	2	0	1	0.67	0	0	0		0	0	0		0	0	0		2	0	1	0.67
Centaurea raphanina subsp*. raphanina*	Hemicryptophyte	0	2	0	1.00	0	0	0		0	0	0		0	0	0		0	2	0	1.00
Cerastium semidecandrum	Therophyte	2	0	1	0.67	0	0	0		0	0	0		0	0	0		2	0	1	0.67
Cicer incisum	Hemicryptophyte	0	0	0		0	0	0		2	1	4	0.43	0	0	0		2	1	4	0.43
Crepis sibthorpiana	Hemicryptophyte	0	0	1	0.00	0	4	0	1.00	0	0	0		0	0	0		0	4	1	0.80
Cuscuta atrans	Therophyte	0	1	3	0.25	0	0	0		0	0	0		0	0	0		0	1	3	0.25
Dactylis glomerata subsp*. rigida*	Hemicryptophyte	0	1	3	0.25	0	0	0		0	0	0		0	0	0		0	1	3	0.25
Draba cretica	Chamaephyte	1	0	0	1.00	0	0	0		0	0	1	0.00	1	0	2	0.33	2	0	3	0.40

Species	Life form	LOW				CHO				SEK				STR				GR-LEO			
		A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}
Erysimum mutabile	Hemicryptophyte	0	1	0	1.00	0	0	0		0	0	0		0	0	0		0	1	0	1.00
Euphorbia acanthothamnos	Chamaephyte	1	4	5	0.50	0	0	0		0	0	0		0	0	0		1	4	5	0.50
Euphorbia herniariifolia	Geophyte	0	0	0		0	0	10	0.00	0	2	1	0.67	1	0	1	0.50	1	2	12	0.20
Festuca circummediterranea	Hemicryptophyte	0	0	9	0.00	0	0	0		0	0	0		0	0	0		0	0	9	0.00
Galium verticillatum	Therophyte	4	0	5	0.44	0	0	0		0	0	0		0	0	0		4	0	5	0.44
Herniaria parnassica subsp*. cretica*	Chamaephyte	0	1	0	1.00	0	0	0		0	0	0		0	0	0		0	1	0	1.00
Hypericum empetrifolium	Chamaephyte	0	0	6	0.00	0	0	0		0	0	0		0	0	0		0	0	6	0.00
Juniperus oxycedrus subsp*. oxycedrus*	Phanerophyte	0	0	2	0.00	0	0	0		0	0	0		0	0	0		0	0	2	0.00
Lactuca viminea subsp*. alpestris*	Hemicryptophyte	1	0	1	0.50	3	0	1	0.75	0	0	0		0	0	0		4	0	2	0.67
Medicago lupulina	Therophyte	0	0	1	0.00	0	0	0		0	0	0		0	0	0		0	0	1	0.00
Melica rectiflora	Hemicryptophyte	0	2	8	0.20	1	0	1	0.50	0	0	0		0	0	0		1	2	9	0.25
Minuartia verna subsp*.attica*	Chamaephyte	0	0	0		1	0	2	0.33	0	0	4	0.00	2	0	5	0.29	3	0	11	0.21
Muscari spreitzenhoferi	Geophyte	2	0	0	1.00	0	0	0		0	0	0		0	0	0		2	0	0	1.00
Unknown annual in GR_LEO_CHO_W31	Therophyte	0	0	0		0	1	0	1.00	0	0	0		0	0	0		0	1	0	1.00
Unknown in GR_LEO_CHO_S13	Therophyte	0	0	0		0	1	0	1.00	0	0	0		0	0	0		0	1	0	1.00
Paracaryum lithospermifolium subsp*. carience*	Hemicryptophyte	0	1	1	0.50	4	1	3	0.63	0	1	1	0.50	0	0	0		4	3	5	0.58
Paronychia macrosepala	Hemicryptophyte	2	2	5	0.44	0	0	0		0	0	0		0	0	0		2	2	5	0.44
Peucedanum alpinum	Hemicryptophyte	0	0	0		0	0	0		0	0	0		0	0	1	0.00	0	0	1	0.00
Pimpinella tragium subsp*. depressa*	Chamaephyte	0	1	4	0.20	0	0	0		0	0	0		0	0	0		0	1	4	0.20
Poa bulbosa subsp*. bulbosa*	Hemicryptophyte	1	0	8	0.11	0	0	0		0	0	0		0	0	0		1	0	8	0.11
Prunus prostrata	Chamaephyte	0	1	7	0.13	0	0	5	0.00	0	0	0		0	0	0		0	1	12	0.08
Rhamnus lycioides subsp*. oleoides*	Phanerophyte	0	0	2	0.00	0	0	0		0	0	0		0	0	0		0	0	2	0.00
Satureja spinosa	Chamaephyte	0	1	3	0.25	0	0	0		0	0	0		0	0	0		0	1	3	0.25
Scutellaria hirta	Chamaephyte	0	0	1	0.00	0	0	0		0	0	0		0	0	0		0	0	1	0.00
Sedum album	Chamaephyte	1	0	5	0.17	0	0	0		0	0	0		0	0	0		1	0	5	0.17
Sedum amplexicaule subsp*. tenuifolium*	Chamaephyte	1	1	3	0.40	0	0	0		0	0	0		0	0	0		1	1	3	0.40
Sedum tristriatum	Chamaephyte	1	0	4	0.20	0	0	0		0	0	0		0	0	0		1	0	4	0.20

Species	Life form	LOW				CHO				SEK				STR				GR-LEO			
		A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}	A	D	U	T_{sp}
Stipa bromoides	Hemicryptophyte	0	0	3	0.00	0	0	0		0	0	0		0	0	0		0	0	3	0.00
Taraxacum bithynicum	Hemicryptophyte	0	2	7	0.22	0	0	0		0	0	0		0	0	0		0	2	7	0.22
Teucrium alpestre subsp*. alpestre*	Chamaephyte	0	0	1	0.00	0	0	0		0	0	0		0	0	0		0	0	1	0.00
Thesium bergeri	Chamaephyte	1	2	0	1.00	0	0	0		0	0	0		0	0	0		1	2	0	1.00
Thymus capitatus	Chamaephyte	0	2	8	0.20	0	0	0		0	0	0		0	0	0		0	2	8	0.20
Velezia rigida	Therophyte	2	0	1	0.67	0	0	0		0	0	0		0	0	0		2	0	1	0.67
Veronica thymifolia	Chamaephyte	0	0	2	0.00	0	0	0		0	0	0		0	0	0		0	0	2	0.00
Sedum acre	Chamaephyte	1	0	0	1.00	0	0	0		0	0	0		0	0	0		1	0	0	1.00
Unknown Geophyte in GR_LEO_CHO_W13	Geophyte	0	0	0		1	0	0	1.00	0	0	0		0	0	0		1	0	0	1.00

Table S3 The species richness in 2001 and 2008, the number of new and lost species and also the number of species found in both surveys; used for calculating the vegetation turnover (T_{veg}) between 2001 and 2008 in summit area sections and for different groups of species and life forms.

Summit, sampling area (life form)	Number of species in 2001	Number of species in 2008	Number of new species (A)	Number of lost species (D)	Number of Unchanged species (B)	T_{veg} $\frac{(A+D)}{(A+D+B)}$
LOW, 5m SAS	57	54	2	5	52	0.12
LOW, 10m SAS	52	49	2	5	47	0.13
LOW, 5+10m SAS	59	55	2	6	53	0.13
CHO, 5m SAS	26	21	2	7	19	0.32
CHO, 10m SAS	26	28	6	4	22	0.31
CHO, 5+10m SAS	32	28	3	7	25	0.29
SEK, 5m SAS	12	14	2	0	12	0.14
SEK, 10m SAS	18	17	1	2	16	0.16
SEK, 5+10m SAS	18	18	2	2	16	0.20
STR, 5m SAS	11	13	2	0	11	0.15
STR, 10m SAS	13	15	2	0	13	0.13
STR, 5+10m SAS	14	15	1	0	14	0.07
LOW, $1m^2$ quadrats	46	46	4	4	42	0.16
CHO, $1m^2$ quadrats	15	13	1	3	12	0.25
SEK, $1m^2$ quadrats	8	8	0	0	8	0.00
STR, $1m^2$ quadrats	6	6	0	0	6	0.00
LOW, 5m SAS (endemics)	18	15	0	3	15	0.17
LOW, 10m SAS (endemics)	20	15	0	5	15	0.25
LOW, 5+10m SAS (endemics)	20	16	0	4	16	0.20
CHO, 5m SAS (endemics)	8	8	1	1	7	0.22
CHO, 10m SAS (endemics)	9	9	1	1	8	0.20
CHO, 5+10m SAS (endemics)	10	9	1	2	8	0.27
SEK, 5m SAS (endemics)	5	5	0	0	5	0.00
SEK, 10m SAS (endemics)	6	7	1	0	6	0.14
SEK, 5+10m SAS (endemics)	6	7	1	0	6	0.14
STR, 5m SAS (endemics)	4	5	1	0	4	0.20

Summit, sampling area (life form)	Number of species in 2001	Number of species in 2008	Number of new species (A)	Number of lost species (D)	Number of Unchanged species (B)	T_{veg} $\frac{(A+D)}{(A+D+B)}$
STR, 10m SAS (endemics)	4	6	2	0	4	0.33
STR, 5+10m SAS (endemics)	5	6	1	0	5	0.17
LOW, 5m SAS (chamaephytes)	23	22	1	2	21	0.13
LOW, 10m SAS (chamaephytes)	25	22	0	3	22	0.12
LOW, 5+10m SAS (chamaephytes)	25	23	1	3	22	0.15
CHO, 5m SAS (chamaephytes)	14	10	0	4	10	0.29
CHO, 10m SAS (chamaephytes)	13	13	2	2	11	0.27
CHO, 5+10m SAS (chamaephytes)	16	13	0	3	13	0.19
SEK, 5m SAS (chamaephytes)	8	9	1	0	8	0.11
SEK, 10m SAS (chamaephytes)	9	9	0	0	9	0.00
SEK, 5+10m SAS (chamaephytes)	9	9	0	0	9	0.00
STR, 5m SAS (chamaephytes)	7	9	2	0	7	0.22
STR, 10m SAS (chamaephytes)	9	10	1	0	9	0.10
STR, 5+10m SAS (chamaephytes)	10	10	0	0	10	0.00
LOW, 5m SAS (geophytes)	2	2	0	0	2	0.00
LOW, 10m SAS (geophytes)	1	1	0	0	1	0.00
LOW, 5+10m SAS (geophytes)	2	2	0	0	2	0.00
CHO, 5m SAS (geophytes)	1	1	0	0	1	0.00
CHO, 10m SAS (geophytes)	1	1	0	0	1	0.00
CHO, 5+10m SAS (geophytes)	1	1	0	0	1	0.00

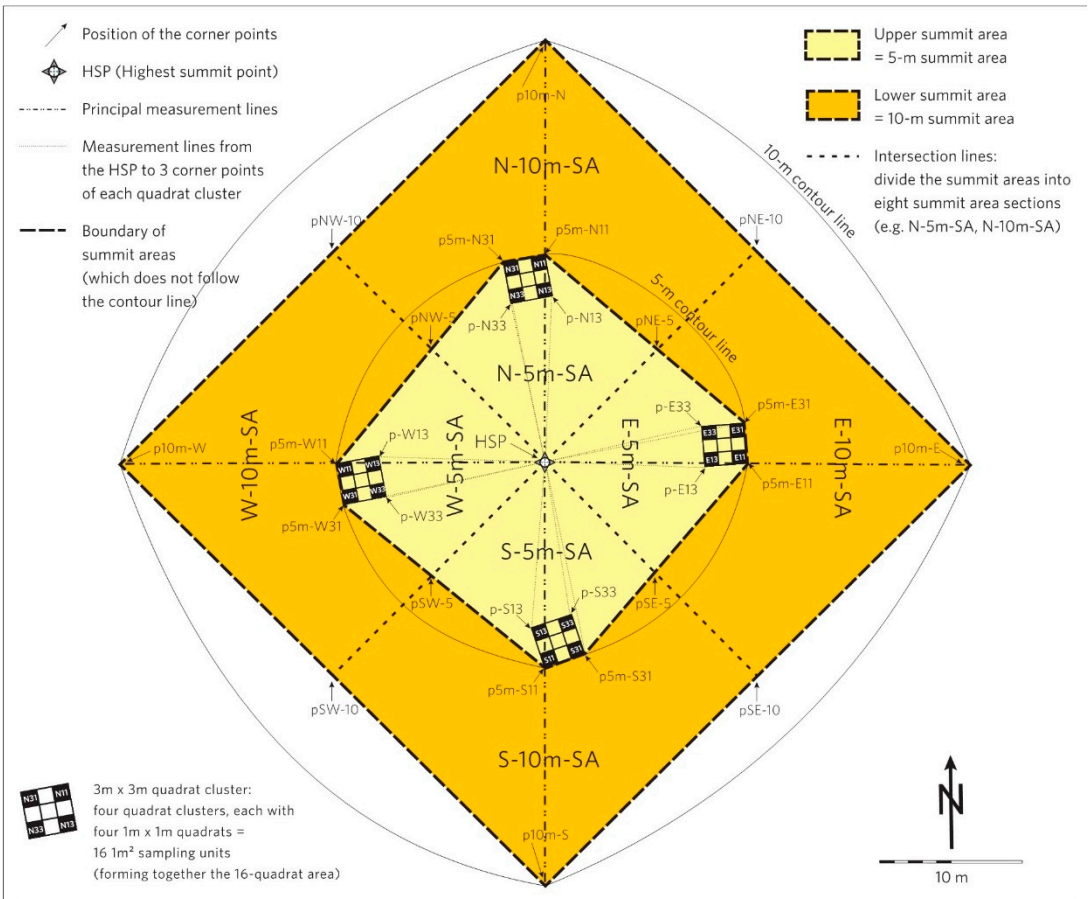
Summit, sampling area (life form)	Number of species in 2001	Number of species in 2008	Number of new species (A)	Number of lost species (D)	Number of Unchanged species (B)	T_{veg} $\frac{(A+D)}{(A+D+B)}$
SEK, 5m SAS (geophytes)	1	1	0	0	1	0.00
SEK, 10m SAS (geophytes)	1	1	0	0	1	0.00
SEK, 5+10m SAS (geophytes)	1	1	0	0	1	0.00
STR, 5m SAS (geophytes)	1	1	0	0	1	0.00
STR, 10m SAS (geophytes)	1	1	0	0	1	0.00
STR, 5+10m SAS (geophytes)	1	1	0	0	1	0.00
LOW, 5m SAS (hemicryptophytes)	18	17	1	2	16	0.16
LOW, 10m SAS (hemicryptophytes)	16	14	0	2	14	0.13
LOW, 5+10m SAS (hemicryptophytes)	18	17	1	2	16	0.16
CHO, 5m SAS (hemicryptophytes)	6	6	1	1	5	0.29
CHO, 10m SAS (hemicryptophytes)	10	10	2	2	8	0.33
CHO, 5+10m SAS (hemicryptophytes)	10	10	2	2	8	0.33
SEK, 5m SAS (hemicryptophytes)	3	4	1	0	3	0.25
SEK, 10m SAS (hemicryptophytes)	7	6	1	2	5	0.38
SEK, 5+10m SAS (hemicryptophytes)	7	7	2	2	5	0.44
STR, 5m SAS (hemicryptophytes)	3	3	0	0	3	0.00
STR, 10m SAS (hemicryptophytes)	3	4	1	0	3	0.25
STR, 5+10m SAS (hemicryptophytes)	3	4	1	0	3	0.25
LOW, 5m SAS (phanerophytes)	4	4	0	0	4	0.00
LOW, 10m SAS (phanerophytes)	3	4	1	0	3	0.25

Summit, sampling area (life form)	Number of species in 2001	Number of species in 2008	Number of new species (A)	Number of lost species (D)	Number of Unchanged species (B)	T_{veg} $\frac{(A+D)}{(A+D+B)}$
LOW, 5+10m SAS (phanerophytes)	4	4	0	0	4	0.00
CHO, 5m SAS (phanerophytes)	1	1	0	0	1	0.00
CHO, 10m SAS (phanerophytes)	1	1	0	0	1	0.00
CHO, 5+10m SAS (phanerophytes)	1	1	0	0	1	0.00
SEK, 5m SAS (phanerophytes)	0	0	0	0	0	-
SEK, 10m SAS (phanerophytes)	1	1	0	0	1	0.00
SEK, 5+10m SAS (phanerophytes)	1	1	0	0	1	0.00
STR, 5m SAS (phanerophytes)	0	0	0	0	0	-
STR, 10m SAS (phanerophytes)	0	0	0	0	0	-
STR, 5+10m SAS (phanerophytes)	0	0	0	0	0	-
LOW, 5m SAS (therophytes)	10	9	0	1	9	0.10
LOW, 10m SAS (therophytes)	7	8	1	0	7	0.13
LOW, 5+10m SAS (therophytes)	10	9	0	1	9	0.10
CHO, 5m SAS (therophytes)	4	2	0	2	2	0.50
CHO, 10m SAS (therophytes)	1	1	0	0	1	0.00
CHO, 5+10m SAS (therophytes)	4	2	0	2	2	0.50
SEK, 5m SAS (therophytes)	0	0	0	0	0	-
SEK, 10m SAS (therophytes)	0	0	0	0	0	-
SEK, 5+10m SAS (therophytes)	0	0	0	0	0	-
STR, 5m SAS (therophytes)	0	0	0	0	0	-

Summit, sampling area (life form)	Number of species in 2001	Number of species in 2008	Number of new species (A)	Number of lost species (D)	Number of Unchanged species (B)	T_{veg} $\frac{(A+D)}{(A+D+B)}$
STR, 10m SAS (therophytes)	0	0	0	0	0	-
STR, 5+10m SAS (therophytes)	0	0	0	0	0	-

Figure S1. Scheme of the Multi-Summit sampling design (from Pauli, H.; Gottfried, M.; Lamprecht, A.; Niessner, S.; Rumpf, S.; Winkler, M.; Steinbauer, K. and Grabherr, G., coordinating authors and editors (2015). The GLORIA field manual – standard Multi-Summit approach, supplementary methods and extra approaches. 5th edition. GLORIA-Coordination, Austrian Academy of Sciences & University of Natural Resources and Life Sciences, Vienna).

Scheme of the Multi-Summit sampling design. The standard sampling design comprises 16 *1-m² quadrats* and eight *summit area sections (SASs)*. Note that only the corner points in the cardinal directions (N, E, S, W) lie at the 5-m respectively 10-m contour line below the highest summit point, whereas the corner points at the intermediate directions (NE, SE, SW, NW) usually lie above the 5-m respectively the 10-m level. The latter points are determined only as the crossing points of summit area boundary lines (i.e. straight lines connecting the corner points in the cardinal directions) and the intersection lines.



The corner points:

p5m-N11, p5m-E31, p5m-E11, p5m-S31, p5m-S11, p5m-W31, p5m-W11, p5m-N31: the 8 lower corner points of the 3m x 3m quadrat clusters at the 5-m level They determine the position of the quadrat clusters and the lower limit of the 5-m summit area	p-N13, p-E13, p-S13, p-W13, p-N33, p-E33, p-S33, p-W33: the 8 upper corner points of the quadrat clusters
p10m-N, p10m-E, p10m-S, p10m-W: the 4 corner points at the 10-m level; they determine the lower limit of the 10-m summit area The principal measurement line for each main direction starts at the HSP, runs through one of the points at the 5-m level (e.g. p5m-N11 or p5m-N31) and ends at the corner points at the 10-m level	pNE-5, pNE-10, pSE-5, pSE-10, pSW-5, pSW-10, pNW-5, pNW-10: the 8 corner points at the intersection lines (these points usually lie above the 5-m level and the 10-m level, respectively) The summit area sections are delimited by these points, by the HSP, and the points p5m-... and p10m...