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Appendix S1. Geographic origin of the relevés.

No. is the consecutive plot number used in the vegetation tables S2–S5; geographic coordinates are according to WGS-84.

Anhang S1. Herkunftsnachweis der Aufnahmen.

No. ist die fortlaufende Aufnahmenummer aus den Vegetationstabellen S2–S5; die geografischen Koordinaten sind gemäß WGS-84.

No.	Plot No.	Site No.	Date	Latitude [° N]	Longitude [°E]	Altitude [m a.s.l.]	Association
1	UAR061	8	17.7.2010	48.15038	28.75430	159	1.1.1
2	UAR077	9	18.7.2010	48.20935	28.79617	187	1.1.1
3	UAR078	9	18.7.2010	48.20310	28.78500	177	1.1.1
4	UAR094	9	18.7.2010	48.20455	28.78674	194	1.1.1
5	UAR113	10	19.7.2010	48.33954	28.56988	174	1.1.1
6	UA04NW	5	14.7.2010	48.57458	29.32827	153	1.2.1
7	UA04SE	5	14.7.2010	48.57450	29.32830	158	1.2.1
8	UAR005	2	12.7.2010	48.85705	28.72192	232	1.2.1
9	UAR010	3	13.7.2010	48.78751	29.11308	197	1.2.1
10	UAR011	3	13.7.2010	48.78833	29.11358	195	1.2.1
11	UAR012	3	13.7.2010	48.79007	29.11526	183	1.2.1
12	UAR013	5	14.7.2010	48.57536	29.32584	160	1.2.1
13	UAR014	5	14.7.2010	48.57477	29.32755	170	1.2.1
14	UAR016	5	14.7.2010	48.57494	29.32683	169	1.2.1
15	UAR017	5	14.7.2010	48.57488	29.32685	158	1.2.1
16	UAR018	6	15.7.2010	48.23588	29.31128	162	1.3.1
17	UAR019	6	15.7.2010	48.23518	29.31041	176	1.3.1
18	UA06NW	6	15.7.2010	48.24601	29.30591	201	2.1.1
19	UA06SE	6	15.7.2010	48.24598	29.30606	205	2.1.1
20	UAR024	6	15.7.2010	48.24268	29.31516	207	2.1.1
21	UAR028	6	15.7.2010	48.24735	29.30643	206	2.1.1
22	UAR029	6	15.7.2010	48.24761	29.30519	179	2.1.1
23	UAR030	6	15.7.2010	48.24831	29.30577	208	2.1.1
24	UAR031	6	15.7.2010	48.24884	29.30553	202	2.1.1
25	UAR096	10	19.7.2010	48.33392	28.57095	160	2.1.1
26	UAR120	12	20.7.2010	48.25853	28.72272	177	2.1.1
27	UAR141	12	20.7.2010	48.25940	28.72366	189	2.1.1
28	UAR142	12	20.7.2010	48.25894	28.72455	190	2.1.1
29	UA01NW	4	13.7.2010	48.87309	29.07154	179	2.1.2
30	UA01SE	4	13.7.2010	48.87301	29.07162	178	2.1.2
31	UA02NW	3	13.7.2010	48.79347	29.11111	188	2.1.2
32	UA02SE	3	13.7.2010	48.79348	29.11128	183	2.1.2
33	UA03NW	5	14.7.2010	48.57477	29.32720	162	2.1.2
34	UA03SE	5	14.7.2010	48.57467	29.32735	165	2.1.2
35	UAR001	1	12.7.2010	48.94489	28.88376	242	2.1.2
36	UAR002	1	12.7.2010	48.94487	28.88380	242	2.1.2
37	UAR003	1	12.7.2010	48.94349	28.88847	250	2.1.2
38	UAR004	1	12.7.2010	48.94469	28.88469	239	2.1.2
39	UAR007	2	13.7.2010	48.85720	28.72194	226	2.1.2
40	UAR008	3	13.7.2010	48.79143	29.11255	202	2.1.2
41	UAR009	3	13.7.2010	48.78991	29.11503	184	2.1.2
42	UAR015	5	14.7.2010	48.57681	29.32768	174	2.1.2
43	UAR080	9	18.7.2010	48.20077	28.78429	156	2.1.2

No.	Plot No.	Site No.	Date	Latitude [° N]	Longitude [°E]	Altitude [m a.s.l.]	Association
44	UA16NW	13	20.7.2010	48.39073	28.96361	224	2.1.3
45	UA16SE	13	20.7.2010	48.39070	28.96345	231	2.1.3
46	UAR035	7	16.7.2010	48.13853	28.69557	102	2.1.3
47	UAR079	9	18.7.2010	48.20383	28.78467	183	2.1.3
48	UAR110	13	20.7.2010	48.39001	28.96520	230	2.1.3
49	UAR114	10	19.7.2010	48.33963	28.57001	175	2.1.3
50	UAR119	12	20.7.2010	48.25876	28.72271	178	2.1.3
51	UAR137	11	19.7.2010	48.31030	28.56558	139	2.1.3
52	UAR143	13	20.7.2010	48.38917	28.96391	251	2.1.3
53	UAR152	15	21.7.2010	48.15522	28.51027	140	2.1.3
54	UAR158	15	21.7.2010	48.14482	28.47470	83	2.1.3
55	UAR159	15	21.7.2010	48.14460	28.47396	118	2.1.3
56	UAR166	17	23.7.2010	48.46719	27.79500	188	2.1.3
57	UAR167	17	23.7.2010	48.46730	27.79404	171	2.1.3
58	UAR183	17	22.7.2010	48.46750	27.79594	188	2.1.3
59	UAR194	17	23.7.2010	48.46747	27.79477	185	2.1.3
60	UAR195	17	23.7.2010	48.46742	27.79598	171	2.1.3
61	UAR196	17	23.7.2010	48.46165	27.78764	179	2.1.3
62	UAR197	17	23.7.2010	48.46747	27.79477	171	2.1.3
63	UA05NW	6	15.7.2010	48.24173	29.31665	192	2.2.1
64	UA05SE	6	15.7.2010	48.24164	29.31662	197	2.2.1
65	UA07NW	7	16.7.2010	48.13979	28.69904	99	2.2.1
66	UA10NW	8	17.7.2010	48.15201	28.74464	123	2.2.1
67	UA10SE	8	17.7.2010	48.15192	28.74477	129	2.2.1
68	UA11NW	9	18.7.2010	48.20919	28.79681	194	2.2.1
69	UA12NW	9	18.7.2010	48.20425	28.78557	179	2.2.1
70	UA14NW	11	19.7.2010	48.31010	28.56610	140	2.2.1
71	UA14SE	11	19.7.2010	48.31007	28.56632	140	2.2.1
72	UA19NW	16	22.7.2010	48.26333	28.13984	85	2.2.1
73	UA19SE	16	22.7.2010	48.26326	28.13996	99	2.2.1
74	UA21NW	18	23.7.2010	48.52707	27.56812	190	2.2.1
75	UA21SE	18	23.7.2010	48.52698	27.56819	186	2.2.1
76	UAR020	5	14.7.2010	48.57477	29.33759	186	2.2.1
77	UAR021	6	15.7.2010	48.24109	29.31780	191	2.2.1
78	UAR022	6	15.7.2010	48.24610	29.30675	204	2.2.1
79	UAR023	6	15.7.2010	48.24271	29.31531	208	2.2.1
80	UAR025	6	15.7.2010	48.24592	29.30517	202	2.2.1
81	UAR026	6	15.7.2010	48.24674	29.30715	205	2.2.1
82	UAR027	6	15.7.2010	48.24767	29.30614	206	2.2.1
83	UAR032	6	15.7.2010	48.24598	29.30647	207	2.2.1
84	UAR049	8	17.7.2010	48.15260	28.74519	148	2.2.1
85	UAR052	8	17.7.2010	48.14957	28.73372	134	2.2.1
86	UAR055	8	17.7.2010	48.15276	28.74492	132	2.2.1
87	UAR065	8	17.7.2010	48.15683	28.73732	161	2.2.1
88	UAR066	8	17.7.2010	48.15652	28.73781	164	2.2.1
89	UAR071	9	18.7.2010	48.21173	28.80024	195	2.2.1
90	UAR072	9	18.7.2010	48.21204	28.80117	192	2.2.1
91	UAR073	9	18.7.2010	48.20310	28.78553	154	2.2.1

No.	Plot No.	Site No.	Date	Latitude [° N]	Longitude [°E]	Altitude [m a.s.l.]	Association
92	UAR074	10	19.7.2010	48.33474	28.57159	156	2.2.1
93	UAR085	10	19.7.2010	48.33372	28.57187	158	2.2.1
94	UAR088	9	18.7.2010	48.21162	28.80060	194	2.2.1
95	UAR089	9	18.7.2010	48.21269	28.80130	195	2.2.1
96	UAR100	10	19.7.2010	48.31990	28.57300	152	2.2.1
97	UAR101	10	19.7.2010	48.33551	28.57070	156	2.2.1
98	UAR102	10	19.7.2010	48.33595	28.56951	141	2.2.1
99	UAR103	10	19.7.2010	48.33644	28.56946	147	2.2.1
100	UAR104	11	19.7.2010	48.31327	28.56714	149	2.2.1
101	UAR112	10	19.7.2010	48.33540	28.56965	166	2.2.1
102	UAR117	10	19.7.2010	48.33333	28.57256	150	2.2.1
103	UAR124	15	21.7.2010	48.15355	28.50720	93	2.2.1
104	UAR134	15	21.7.2010	48.15414	28.50413	90	2.2.1
105	UAR138	13	21.7.2010	48.39073	28.96361	225	2.2.1
106	UAR147	16	22.7.2010	48.26320	28.14009	94	2.2.1
107	UAR148	16	22.7.2010	48.26333	28.14029	103	2.2.1
108	UAR149	18	23.7.2010	48.52652	27.57021	206	2.2.1
109	UAR153	16	22.7.2010	48.26181	28.13887	82	2.2.1
110	UAR154	16	22.7.2010	48.26277	28.14067	73	2.2.1
111	UAR157	14	21.7.2010	48.17926	28.56402	100	2.2.1
112	UAR162	15	21.7.2010	48.14524	28.47402	84	2.2.1
113	UAR163	15	21.7.2010	48.14512	28.47342	102	2.2.1
114	UAR164	16	22.7.2010	48.26347	28.14024	115	2.2.1
115	UAR165	16	22.7.2010	48.26353	28.14038	114	2.2.1
116	UAR168	17	23.7.2010	48.46828	27.79556	173	2.2.1
117	UAR169	17	23.7.2010	48.46930	27.79462	166	2.2.1
118	UAR179	18	23.7.2010	48.52725	27.56805	194	2.2.1
119	UAR181	16	22.7.2010	48.26241	28.13882	89	2.2.1
120	UAR182	17	22.7.2010	48.46814	27.79513	163	2.2.1
121	UAR186	16	22.7.2010	48.26344	28.14106	101	2.2.1
122	UA09NW	8	17.7.2010	48.15046	28.73527	169	2.2.2
123	UA09SE	8	17.7.2010	48.15038	28.73525	166	2.2.2
124	UA11SE	9	18.7.2010	48.20907	28.79662	194	2.2.2
125	UA12SE	9	18.7.2010	48.20413	28.78538	177	2.2.2
126	UA13SE	10	19.7.2010	48.33408	28.57184	163	2.2.2
127	UA18NW	15	21.7.2010	48.15407	28.50299	82	2.2.2
128	UAR033	7	16.7.2010	48.13919	28.69791	94	2.2.2
129	UAR034	7	16.7.2010	48.13920	28.69852	104	2.2.2
130	UAR036	7	16.7.2010	48.13737	28.69152	96	2.2.2
131	UAR037	7	16.7.2010	48.14047	28.70048	96	2.2.2
132	UAR038	7	16.7.2010	48.14018	28.69972	96	2.2.2
133	UAR046	8	17.7.2010	48.14964	28.73485	159	2.2.2
134	UAR047	8	17.7.2010	48.14933	28.73469	152	2.2.2
135	UAR048	8	17.7.2010	48.15146	28.73502	162	2.2.2
136	UAR050	8	17.7.2010	48.15211	28.73575	175	2.2.2
137	UAR051	8	17.7.2010	48.14932	28.73523	122	2.2.2
138	UAR053	8	17.7.2010	48.14837	28.73451	132	2.2.2
139	UAR054	8	17.7.2010	48.14951	28.73570	109	2.2.2

No.	Plot No.	Site No.	Date	Latitude [° N]	Longitude [°E]	Altitude [m a.s.l.]	Association
140	UAR058	8	17.7.2010	48.15175	28.73547	178	2.2.2
141	UAR059	8	17.7.2010	48.15265	28.73612	170	2.2.2
142	UAR062	8	17.7.2010	48.15004	28.70353	149	2.2.2
143	UAR063	8	17.7.2010	48.15228	28.73626	152	2.2.2
144	UAR068	8	17.7.2010	48.15513	28.73827	155	2.2.2
145	UAR069	9	18.7.2010	48.21050	28.79762	188	2.2.2
146	UAR070	9	18.7.2010	48.21135	28.79855	193	2.2.2
147	UAR076	9	18.7.2010	48.20904	28.79628	178	2.2.2
148	UAR081	9	18.7.2010	48.20948	28.79613	190	2.2.2
149	UAR082	9	18.7.2010	48.20977	28.79559	187	2.2.2
150	UAR083	9	18.7.2010	48.20427	28.78712	163	2.2.2
151	UAR084	9	18.7.2010	48.20460	28.78798	160	2.2.2
152	UAR086	9	18.7.2010	48.21065	28.79779	197	2.2.2
153	UAR087	9	18.7.2010	48.21107	28.79842	190	2.2.2
154	UAR090	9	18.7.2010	48.20416	28.78600	191	2.2.2
155	UAR091	9	18.7.2010	48.20941	28.79707	192	2.2.2
156	UAR092	9	18.7.2010	48.20971	28.79719	192	2.2.2
157	UAR093	9	18.7.2010	48.20405	28.78631	174	2.2.2
158	UAR115	11	19.7.2010	48.31498	28.56546	148	2.2.2
159	UAR161	14	21.7.2010	48.17675	28.56075	115	2.2.2
160	UA07SE	7	16.7.2010	48.13969	28.69916	97	2.2.3
161	UA08NW	7	16.7.2010	48.14212	28.69715	125	2.2.3
162	UA08SE	7	16.7.2010	48.14199	28.69723	122	2.2.3
163	UA13NW	10	19.7.2010	48.33408	28.57165	163	2.2.3
164	UA15NW	12	20.7.2010	48.25883	28.72910	188	2.2.3
165	UA15SE	12	20.7.2010	48.25874	28.72197	186	2.2.3
166	UA17NW	14	21.7.2010	48.18124	28.56288	103	2.2.3
167	UA17SE	14	21.7.2010	48.18123	28.56312	109	2.2.3
168	UA18SE	15	21.7.2010	48.15396	28.50308	78	2.2.3
169	UA20NW	17	22.7.2010	48.46845	27.79681	203	2.2.3
170	UA20SE	17	22.7.2010	48.46843	27.79672	201	2.2.3
171	UAR039	7	16.7.2010	48.13708	28.69125	95	2.2.3
172	UAR040	7	16.7.2010	48.14154	28.69335	135	2.2.3
173	UAR041	7	16.7.2010	48.14156	28.69597	135	2.2.3
174	UAR042	7	16.7.2010	48.14161	28.69655	128	2.2.3
175	UAR043	7	16.7.2010	48.14083	28.69284	134	2.2.3
176	UAR044	7	16.7.2010	48.14116	28.69354	136	2.2.3
177	UAR045	7	16.7.2010	48.14107	28.69336	130	2.2.3
178	UAR056	8	17.7.2010	48.14903	28.73485	145	2.2.3
179	UAR057	8	17.7.2010	48.14825	28.73416	148	2.2.3
180	UAR060	8	17.7.2010	48.15446	28.73695	172	2.2.3
181	UAR064	8	17.7.2010	48.15549	28.73607	169	2.2.3
182	UAR067	8	17.7.2010	48.15356	28.73722	156	2.2.3
183	UAR095	10	19.7.2010	48.33363	28.57265	165	2.2.3
184	UAR097	11	19.7.2010	48.31228	28.56804	144	2.2.3
185	UAR098	11	19.7.2010	48.31130	28.56972	158	2.2.3
186	UAR099	11	19.7.2010	48.31078	28.57039	168	2.2.3
187	UAR105	11	19.7.2010	48.31383	28.56634	150	2.2.3

No.	Plot No.	Site No.	Date	Latitude [° N]	Longitude [°E]	Altitude [m a.s.l.]	Association
188	UAR106	11	19.7.2010	48.31193	28.56918	155	2.2.3
189	UAR107	11	19.7.2010	48.31159	28.56949	153	2.2.3
190	UAR108	11	19.7.2010	48.31094	28.56977	149	2.2.3
191	UAR109	12	20.7.2010	48.25947	28.72222	188	2.2.3
192	UAR111	9	19.7.2010	48.20071	28.78437	163	2.2.3
193	UAR116	10	19.7.2010	48.33368	28.57330	162	2.2.3
194	UAR118	11	19.7.2010	48.31085	28.56469	153	2.2.3
195	UAR121	12	20.7.2010	48.25839	28.72152	187	2.2.3
196	UAR122	14	21.7.2010	48.18131	28.56503	141	2.2.3
197	UAR123	14	21.7.2010	48.18193	28.56365	138	2.2.3
198	UAR126	12	20.7.2010	48.25927	28.72311	188	2.2.3
199	UAR127	12	20.7.2010	48.25963	28.72257	186	2.2.3
200	UAR128	12	20.7.2010	48.25947	28.72209	188	2.2.3
201	UAR129	14	21.7.2010	48.18084	28.56387	111	2.2.3
202	UAR130	14	21.7.2010	48.18029	28.56231	107	2.2.3
203	UAR131	14	21.7.2010	48.18005	28.56104	125	2.2.3
204	UAR132	14	21.7.2010	48.17934	28.56190	122	2.2.3
205	UAR133	14	21.7.2010	48.17772	28.56122	134	2.2.3
206	UAR135	17	22.7.2010	48.46906	27.79655	205	2.2.3
207	UAR136	12	20.7.2010	48.25853	28.72183	183	2.2.3
208	UAR139	14	21.7.2010	48.18031	28.56759	83	2.2.3
209	UAR140	14	21.7.2010	48.17964	28.56638	107	2.2.3
210	UAR144	14	21.7.2010	48.17944	28.56149	129	2.2.3
211	UAR145	14	21.7.2010	48.17778	28.56196	129	2.2.3
212	UAR146	15	21.7.2010	48.15515	28.50256	102	2.2.3
213	UAR150	18	23.7.2010	48.52631	27.56949	185	2.2.3
214	UAR151	15	21.7.2010	48.15417	28.50550	114	2.2.3
215	UAR155	16	22.7.2010	48.26290	28.13793	96	2.2.3
216	UAR156	14	21.7.2010	48.17994	28.56543	100	2.2.3
217	UAR160	15	21.7.2010	48.14468	28.47402	109	2.2.3
218	UAR170	17	23.7.2010	48.46983	27.79616	199	2.2.3
219	UAR171	18	23.7.2010	48.52681	27.56930	87	2.2.3
220	UAR172	18	23.7.2010	48.52654	27.54963	186	2.2.3
221	UAR176	17	23.7.2010	48.46960	27.79613	196	2.2.3
222	UAR177	17	23.7.2010	48.46967	27.79649	207	2.2.3
223	UAR180	18	23.7.2010	48.52694	27.56868	190	2.2.3
224	UAR187	17	22.7.2010	48.46926	27.79655	210	2.2.3
225	UAR188	17	22.7.2010	48.47101	27.79659	199	2.2.3
226	UAR198	17	23.7.2010	48.46142	27.78315	205	2.2.3

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Appendix S2. Nomenclatural assessment of the syntaxa mentioned in Section 4.

An asterisk (*) after the year of an author citation indicates that the protologue (original description) of the syntaxon has been checked by us and the source is included in the reference list at the bottom.

Anhang S2. Nomenklatorische Bewertung der in Kapitel 4 erwähnten Syntaxa.

Ein Stern (*) nach einem Autorenzitat zeigt, dass wir den Protolog (Originalbeschreibung) des Syntaxons eingesehen und geprüft und die zugehörige Quellen am Ende des Anhangs aufgelistet haben.

Class: *Festuco-Brometea* Br.-Bl. & Tx. ex Klika & Hadač 1944

Protologue: „*Festuco-Brometea* Br.-Bl. u. Tx. 1943“ (KLIKA & HADAČ 1944b: p. 288)

Typus: *Brometalia erecti* W. Koch 1926* (= *Brachypodietalia pinnati* Korneck 1974*) [Holotypus]

Syn.: *Festuco-Brometea* Br.-Bl. & Tx. 1943* nom. inval. [Art. 8]

Festuco-Brometea Br.-Bl. & Tx. ex Soó 1947* nom. illeg. [Art. 31]

Notes: For the validity of this validation, see DENGLER et al. (2012).

Class: *Koelerio-Corynephoretea* Klika in Klika & Novák 1941

Protologue: “*Koelerio-Corynephoretales*” (KLIKA in KLIKA & NOVÁK 1941: p. 59)

Type: *Corynephorretalia* Klika 1934* [Lectotypus, designated by MORAVEC (1967: p. 173)]

Syn.: *Festucetea ovinæ* R. Knapp 1942* nom. ined. p.p. [Art. 1]

Corynephoretea canescentis Br.-Bl. & Tx. 1943* nom. inval. [Art. 8]

Corynephoretea Lebrun et al. 1949* [Syntax. Syn.]

Sedo-Scleranthetea Br.-Bl. 1955* [Syntax. Syn.]

Festuco-Sedetetea Oberd. 1957* nom. inval. [Art. 3b]

Caricetea arenariae Doing 1963* nom. inval. [Art. 8]

Xero-Bromo-Sedetetea Doing 1963* nom. inval. p.p. [Art. 8]

Festucetea vaginatae Soó 1968* nom. inval. [Art. 8]

Festucetea vaginatae Soó ex Vicherek 1972* [Syntax. Syn.]

Class: *Molinio-Arrhenatheretea* Tx. 1937

Protologue: TÜXEN (1937: p. 73)

Typus: *Arrhenatheretalia* [“Pawłowski 1926”] Tx. 1937* (= *Arrhenatheretalia* Tx. 1931*) [Lectotypus, designated by JANSEN et al. (in DENGLER et al. 2003: p. 610)]

Subclass: *Koelerio-Corynephoreneae* (Klika in Klika & Novák 1941) Dengler in Dengler et al. 2003

Protologue: “*Koelerio-Corynephoreneae* (Klika in Klika & Novák 1941) Dengler stat. nov.” (DENGLER et al. (2003: p. 603)

Basionym: “*Koelerio-Corynephoretales*” (KLIKA in KLIKA & NOVÁK 1941: p. 59)

Typus: *Corynephorretalia* Klika 1934* [Holotypus (Art. 27a) – designated as Lectotypus of the class by MORAVEC (1967: p. 173)]

Subclass: *Sedo-Sclerantheneae* (Br.-Bl. 1955) Dengler in Dengler et al. 2003

Protologue: “*Sedo-Sclerantheneae* (Br.-Bl. 1955) Dengler stat. nov.” (DENGLER et al. (2003: pp. 603 et seq.)

Basionym: *Sedo-Scleranthetea* (BRAUN-BLANQUET 1955: p. 484)

Typus: *Sedo-Scleranthetalia* Br.-Bl. 1955* [Holotypus (Art. 27a)]

Order: *Alyssso alyssoidis-Sedetalia* Moravec 1967

Protologue: „*Alyssso-Sedetalia*“ (MORAVEC 1967: 171)

Typus: *Alyssso-Sedion* Oberd. & T. Müller in T. Müller 1961* [Holotypus]

Syn.: *Sedo-Scleranthetalia* Br.-Bl. 1955* sensu auct. p.p. [typo excl.]

Order: *Arrhenatheretalia elatioris* Tx. 1931

Protologue: „*Arrhenatheretalia*“ (TÜXEN 1931: 70)

Typus: *Arrhenatherion elatioris* W. Koch 1926* [Holotypus]

Syn.: *Arrhenatheretalia* Pawłowski 1928 nom. inval. [Art. 8; according to ELLMAUER & MUCINA (1993: p. 340)]

Trifolio-Cynosuretalia Sougnez & Limbourg 1963* [Syntax. Syn.]

Trifolio-Phleetalia (Sougnez 1963) Passarge 1969* nom. illeg. [Art. 29a]

Order: *Brachypodietalia pinnati* Korneck 1974 nom. cons. propos.

Protologue: KORNECK (1974: pp. 123 et seq.)

Type: *Cirsio-Brachypodion pinnati* Hadač & Klika in Klika & Hadač 1944* [Lectotypus designated by DENGLETER et al. (2003: p. 608)]

Syn.: *Brometalia erecti* W. Koch 1926* nom. amb. propos. [Holotypus: *Bromion erecti* W. Koch 1926*]
Scorzonerio villosae-Chrysopogonetalia grylli Horvatic & Horvat in Horvatic 1963 p.p. [typo incl.; Holotypus: *Scorzonerion villosae* Horvatic 1963, see TERZI (2011)]

Notes: DENGLETER et al. (2003: p. 608) explain why *Brometalia erecti* should be rejected as a *nomen ambiguum*. If the Phytosociological Nomenclature Commission follows this proposal, *Brachypodietalia pinnati* would be the next younger valid and thus the correct name of the order. Further, the name *Brachypodietalia pinnati* needs to be conserved against the older order name *Scorzonerio villosae-Chrysopogonetalia grylli* Horvatic & Horvat in Horvatic 1963. This order in its traditional delimitation comprises both xeric and meso-xeric alliances from the Dinaric-Illyric region, but its type alliance *Scorzonerion villosae* Horvatic 1963 (see TERZI 2011) is a meso-xeric unit that would fall under our concept of the *Brachypodietalia pinnati*.

Order: *Festucetalia valesiaca* Soó 1947

Protologue: “*Festucetalia (valesiaca)* Soó 1940 (N. A.)” (Soó 1947: pp. 22–34)

Typus: *Stipion lessingiana* Soó 1947* [Lectotypus, designated by DENGLETER et al. (2012: p. 348)]

Syn.: *Festucetalia valesiaca* Br.-Bl. & Tx. 1943* nom. inval. [Art. 8]

Festucetalia valesiaca Br.-Bl. & Tx. ex Br.-Bl. 1950* nom. illeg. [Art. 31]

Notes: It is unclear to which paper Soó (1947: p. 22) refers with “Soó 1940”; there is no such publication in his reference list.

Order: *Galietaia veri* Mirkin & Naumova 1986

Protologue: MIRKIN & NAUMOVA (1986: pp. 96 et seq.)

Typus: *Trifolion montani* Naumova 1986* [Holotypus]

Notes: While some traditional content of the *Galietaia veri* belongs indeed to the *Brachypodietalia pinnati* (*Festuco-Brometea*), the type association of the type alliance comprises sandy alluvial grasslands, which we place in the alliance *Agrostion vinealis*; thus *Galietaia veri* becomes a later syntaxonomic synonym of the *Trifolio arvensis-Festucetalia ovinae*.

Order: *Sedo-Scleranthetalia* Br.-Bl. 1955

Protologue: BRAUN-BLANQUET (1955: 484)

Type: *Sedo-Scleranthion* Br.-Bl. 1955* [Holotypus]

Syn.: *Sempervivo-Sedetalia* (Br.-Bl. 1955*) T. Müller 1961* nom. illeg. [Art. 29a]

Excl.: *Alysso alyssoidis-Sedion* Oberd. & T. Müller in T. Müller 1961*

Notes: The frequently found addition of the epitheta “*albi*” and “*biennis*” to the order name (e.g. BARDAT et al. 2004) are not allowed according to ICPN since the protologue contained several species of both genera (Recomm. 10C).

Order: *Stipo pulcherrimae-Festucetalia pallentis* Pop 1968

Protologue: POP (1968: p. 272)

Typus: *Seslerio-Festucion pallentis* [“Klika 1931”] Pop 1968* [Lectotypus, designated by DENGLETER et al. (2012)]

Syn.: *Stipo eriocaulis-Festucetalia pallentis* (Pop 1968*) Pop 1991* nom. illeg. [Art. 29a]

Order: *Trifolio arvensis-Festucetalia ovinae* Moravec 1967

Protologue: “*Trifolio (arvensi)-Festucetalia ovinae*” (MORAVEC 1967: pp. 172 et seq.)

Type: *Hyperico perforati-Scleranthion perennis* Moravec 1967* [Holotypus]

Syn.: *Festuco-Sedetalia acris* Tx. 1951* p.p. [typo excl.; Lectotypus of the order, designated by MORAVEC (1967: p. 163); *Helichryson arenarii* Tx. 1951* (= *Koelerion glaucae* Volk 1931*)]

Festucetalia tenuifoliae Doing 1963* nom. inval. [Art. 8]

Koelerio-Phleetalia phleoidis Korneck 1974* p.p. [Syntax. Syn.; Holotypus: *Koelerio-Phleion phleoidis* Korneck 1974* (= *Hyperico perforati-Scleranthion perennis* Moravec 1967*)]

Notes: If one considers the type association of the *Hyperico perforati-Scleranthion perennis* as belonging to the acidophilous outcrop communities (as some researchers do, see Notes under that alliance), this order name would become a younger synonym of the *Sedo-Scleranthetalia*, and for the order in our sense (see also SCHAMINÉE et al. 1996, BERG et al. 2004) seemingly no valid name would be available.

Alliance: *Agrostio vinealis-Avenulion schellianae* Royer 1991

Protologue: “*Agrostio-Avenulion schellianae* nov.” (ROYER 1991: p. 207)

Typus: *Agrostio-Avenuletum schellianae* Royer 1991* [Holotypus; Holotypus of the association: ALECHIN (1951: pp. 280–281)]

Notes: The name is based on *Agrostis syreistschikowi* = *A. vinealis* (ROYER 1991: p. 42).

Alliance: *Agrostion vinealis* Sipaylova et al. 1985

Protologue: SIPAYLOVA et al. (1985: pp. 13 et seq.)

Typus: *Agrostietum vinealis* Sipaylova et al. 1985* [Holotypus]

Notes: The *Agrostietum vinealis* Sipaylova et al. 1985* (order *Trifolio arvensis-Festucetalia ovinae*, with some *Molinio-Arrhenatheretea* influence) is different from the *Agrostietum vinealis* Kobenzda 1930* corr. Kratzert & Dengler 1999* nom. cons. propos. (order *Corynephorretalia canescentis*).

Alliance: *Alyssso alyssoidis-Sedion* Oberd. & T. Müller in T. Müller 1961

Protologue: „*Alyssso-Sedion* Oberd. et Th. Müller 61“ (MÜLLER 1961: 116 ff.)

Typus: *Alyssso alyssoidis-Sedetum albi* Oberd. & T. Müller in T. Müller 1961* [Lectotypus (Art. 20)]

Syn.: *Rumici-Veronicion dillenii* Passarge 1977* p.p. [typo excl.]

Valerianello-Veronicion arvensis Passarge 1995* p.p. [Syntax. Syn.; Holotypus: *Veronico arvensis-Cerastietum glutinosi* Passarge 1995*]

Alliance: *Armerio rumelicae-Potentillion* Micevski 1978

Protologue: “*Armerio-Potentillion*” MICEVSKI (1978: pp. 21 et seq.)

Type: *Genisto carinalis-Agrostietum byzanthinae* Micevski 1978* [Lectotypus, designated by PEDASHENKO et al. (2013: pp. 340)]

Notes: While it is clear from the protologue that *Armeria rumelica* was meant, MICEVSKI (1978) mentions two *Potentilla* species as diagnostic (*P. argentea*, *P. inclinata*). According to Recomm. 10C ICPN therefore an epitheton is added to “*Armeria*” but not to “*Potentilla*”. The eponymous grass species of the type association is *Agrostis castellana* (= *A. byzanthina*).

Alliance: *Armerion elongatae* Pötsch 1962

Protologue: PÖTSCH (1962: 199)

Type: *Diantho deltoidis-Armerietum elongatae* Krausch ex Pötsch 1962* [Holotypus]

Syn.: *Helichryson arenarii* Tx. 1951* p.p. [typo excl.]

Armerion elongatae Krausch 1959a* nom. ined. [Art. 1]

Armerion elongatae Krausch 1959b* nom. inval. [Art. 8]

Armerion elongatae Krausch 1962* nom. inval. [Art. 8]

Gageo-Allion Passarge 1964* p.p.

Plantagini-Festucion Passarge 1964* nom. dub. p.max.p. [Art. 38]

Armerion elongatae Krausch 1967* nom. illeg. [Art. 31]

Hyperico perforati-Scleranthion perennis Moravec 1967* p.min.p. [typo excl.]

Koelerio-Phleion phleoidis Korneck 1974* p.p. [typo excl.]

Vicio lathyroidis-Potentillion argenteae Brzeg in Brzeg & Wojterska 1996* p.p.

Plantagini lanceolatae-Festucion brevopilae Passarge 1964* corr. Kratzert & Dengler 1999* nom. dub. p.max.p. [Art. 38]

Notes: Since *Plantagini-Festucion* through the typification by GREGOR (2001, see entry of *Hyperico perforati-Scleranthion perennis*) became a *nomen dubium*, the name correction by KRATZERT & DENGLER (1964) became superfluous and wrong *post hoc*.

Alliance: *Cirsio-Brachypodion pinnati* Hadač & Klika in Klika & Hadač 1944

Protologue: “*Cirsio-Brachypodion pinnati* Hadač-Klika 1944” (KLIKA & HADAČ 1944: p. 289)

Type: *Seslerio calcariae-Cirsietum pannonicum* Klika 1933* [Lectotypus, designated by HADAČ (in TOMAN 1981: p. 569)]

Notes: For the justification of the nomenclatural authority and for the non-addition of “*pannonicum*” to the name, see DENGLER et al. (2012).

Alliance: *Festucion valesiaca* Klika 1931 nom. conserv. propos.

Protologue: „*Festucion valesiaca*“ (KLIKA 1931: pp. 376 et seq.)

Typus: *Festuco valesiaca-Ranunculetum illyricum* Klika 1931* [Lectotypus, designated TOMAN (1976, cited in TOMAN 1981a: p. 329)]

Syn.: *Festucion sulcatae* Soó 1929* nom. inval. p.p. [Art. 8]

Festucion sulcatae Soó 1930* nom. amb. propos.

Astragalo-Stipion R. Knapp 1942* nom. ined. [Art. 1]

Eu-Festucion valesiaca Br.-Bl. & Tx. 1943* nom. inval. [Art. 8, 34b]

Festuco-Stipion (Klika 1931b*) Krausch 1961* nom. illeg. [Art. 29a]

Notes: We propose to conserve the generally applied name *Festucion valesiacae* Klika 1931* against the older, but rarely used *Festucion sulcatae* Soó 1930*. Moreover, the older name is ambiguous as it refers to *Festuca sulcata* (= *rupicola*) which normally is restricted to mesoxerix communities (*Cirsio-Brachypodium pinnati*), but is largely absent from the *Festucion valesiacae*.

Alliance: *Fragario viridis-Trifolium montani* Korotchenko & Didukh 1997

Protologue: KOROTCHENKO & DIDUKH (1997: pp. 23 et seq.)

Typus: *Salvio pratensis-Poetum angustifoliae* Korotchenko & Didukh 1997* [Holotypus]

Alliance: *Hyperico perforati-Scleranthion perennis* Moravec 1967

Protologue: „*Hyperico (perforato)-Scleranthion perennis*“ (MORAVEC 1967: 172)

Typus: *Polytricho piliferi-Scleranthetum perennis* Moravec 1967* [Holotypus]

Syn.: *Koelerion albescentis* Tx. 1937* p.p. [typo excl.]

Helichryson arenarii Tx. 1951* p.min.p. [typo excl.]

Plantagini-Festucion Passarge 1964* nom. dub. p.p. [Art. 38; Lectotypus, designated by GREGOR (2001: p. 12): *Festuco ovinae-Thymetum angustifolii* Tx. 1937* nom. dub.]

Koelerio-Phleion phleoidis Korneck 1974* p.p. [Syntax. Syn.; Lectotypus, designated by DENGLER in DENGLER et al. (2003: p. 604): *Genistello-Phleietum phleoidis* Korneck 1974*]

Incl.: *Plantagini-Festucion ovinae* Passarge (1964*) 2002* [Art. 3i; desc. incl., typo excl.]

Notes: The concept of the *Hyperico-Scleranthion* as adopted by us is modified compared to the original diagnosis of MORAVEC (1967). According to our understanding, the type relevé of the type association and the majority of content included in the original description would remain in our emendated alliance and thus in the order of the meso-xeric sandy grassland with closed swards (*Trifolio arvensis-Festucetalia ovinae*), while smaller amounts should be transferred to the alliances *Armerion elongatae* and *Sedo albi-Veronicion dillenii*. By contrast, some researchers consider the type relevé of the type association as belonging to the acidophilous rock outcrop communities. If one follows this interpretation, *Hyperico-Scleranthion* would be the oldest and thus valid name for the alliance *Sedo albi-Veronicion dillenii*. The older name *Plantagini-Festucion* is not applicable here because its type association is considered as a *nomen dubium* since from the microspecies of *Festuca ovina* agg. is not determined in its protologue without which it is not possible to assign it to a present-day association or alliance.

Alliance: *Poo compressae-Rumicion acetosellae* Didukh & Kontar 1999

Protologue: “*Poo compressae-Rumicion acetosellae* all. nov.” (DIDUKH & KONTAR 1999: pp. 57 et seq.)

Typus: *Vincetoxico hirundinariae-Rumicetum acetosellae* Didukh & Kontar 1999 [Holotypus]

Notes: Whether this alliance should be separated from the *Sedo albi-Veronicion dillenii* needs to be addressed in a large-scale synthesis.

Alliance: *Sedo albi-Veronicion dillenii* Korneck 1974

Protologue: “*Sedo albi-Veronicion dillenii* (Oberd. 1957) Korneck“ (KORNECK 1974: pp. 64 et seq.)

Type: *Gageo saxatilis-Veronicetum dillenii* (Oberd. 1957*) Korneck 1974* (= *Festuco-Veronicetum dillenii* Oberd. 1957*) [Holotypus]

Syn.: *Veronicion* Oberd. 1957* nom. inval. [Art. 3b]

Hyperico perforati-Scleranthion perennis Moravec 1967* p.min.p. [typo excl.]

Polytricho piliferi-Festucion pallentis R. Schubert 1974* corr. R. Schubert et al. 2001* p.min.p. [typo excl.]

Arabidopsion [“*Arabidopsidion*”] *thalianae* Passarge 1964* nom. dub. sensu auct. [typo excl.; Holotypus of the alliance: *Arabidopsietum thalianae* Passarge 1964* nom. dub.; Art. 38]

Notes: The *Arabidopsion thalianae* Passarge 1964 is frequently equated with the above alliance of acidophilous rock outcrop communities in the lower mountain ranges of Central Europe (e.g. MUCINA & KOLBEK 1993b, SÁDLO et al. 2007). However, PASSARGE (1964) did not describe any outcrop communities (such acidic outcrops do not occur at all in his study area!) but small-scale therophyte synusiae, which can be found in the xerothermic vegetation of various classes (e.g. *Koelerio-Corynephortea*, *Stellarietea mediae*, *Artemisietea vulgaris*). Accordingly, PASSARGE’s name should be rejected as a *nomen dubium* (Art. 37, 38 ICPN) as his vegetation plots presumably (he does not mention plot sizes, but describes the synusial character) were far too small to allow an assignment to any of the present-day syntaxa.

Alliance: *Sedo-Cerastion arvensis* Sissingh & Tideman 1960

Protologue: „*Sedo-Cerastion*“ (SISSINGH & TIDEMAN 1960: 23)

Typus: *Euphorbietum seguierano-cyparissiae* Sissingh & Tideman 1960* (= *Aveno pubescentis-Medicaginetum falcatae* de Leeuw in Br.-Bl. & Moor 1938*) [Holotypus]

Syn.: *Koelerion albescentis* Tx. 1937* sensu auct. p.p. [typo excl.]

Hieracio-Festucion tenuifoliae Doing 1963* nom. inval. [Art. 8]

Sedo-Koelerion gracilis Doing 1963* nom. inval. [Art. 8]

Galio-Koelerion (Tx. 1937*) Westhoff & den Held 1969* nom. illeg. p.p. [Art. 29a]
Pilosello-Festucion tenuifoliae Doing 1974* nom. inval. p.max.p. [Art. 8]
Carici arenariae-Festucion filiformis de Foucault 1993
Plantagini-Festucion Passarge 1964* nom. dub. sensu Weeda et al. 1996* [typo excl.]
Polygalo vulgaris-Koelerion macranthae (Boerboom 1960*) Weeda et al. 1996* nom. illeg. [Art. 27 Abs. 2]

Incl.: *Luzulo-Koelerienion albescens* Boerboom 1960*
Hieracio pilosellae-Festucion filiformis Doing ex Passarge 2002* [Holotypus: *Galio veri-Festucetum capillatae* Br.-Bl. & de Leeuw 1936* nom. invers. et mut. propos.]

Alliance: *Stipion lessingiana* 1947

Protologue: SOO (1947: pp. 29–34)

Typus: *Stipetum lessingiana* Soó 1947* [Lectotypus (Art. 20 ICPN)]

Syn.: *Astragalo-Stipion* R. Knapp 1944* nom. ined. p.p. [Art. 1]

Notes: The *Stipetum pennatae* described by SOÓ (1927: pp. 98–99) is invalid as the author refers with his name evidently to *Stipa pennata* agg., while in his synoptic table only four different microspecies are listed (*S. longifolia*, *S. joannis*, *S. pulcherrima*, *S. lessingiana*).

Alliance: *Thymo pulegioidis-Sedion sexangularis* Didukh & Kontar 1999 nom. inval.

Protologue: “*Thymo pulegioides-Sedion sexangulare* all. nov.” (DIDUKH & KONTAR 1999: pp. 57 et seq.)

Typus: “*Trifolio arvensi-Teucrietum chamaedrycis*” [Holotypus, but not valid]

Notes: The name *Thymo pulegioidis-Sedion sexangularis* is invalid according to Art. 5 ICPN since DIDUKH & KONTAR (1999: p. 84) only gave the name of the type association, but no authority and reference. Anyway, the floristic separation between the two alliances *Poo compressae-Rumicion acetosellae* and *Thymo pulegioidis-Sedion sexangularis* according to the tables in DIDUKH & KONTAR (1999) would be only moderate so that it is reasonable to combine them.

Alliance: *Trifolion montani* Naumova 1986

Protologue: NAUMOVA (1986: pp. 82 et seq.)

Typus: *Trifolion montani-Agrostietum vinealis* Naumova 1986 [Holotypus]

Notes: MIRKIN & NAUMOVA (1986) in the year of the description of the alliance suggested the *Koelerio delavignei-Festucetum valesiacae* Naumova 1986* as nomenclatural type, but this lectotypification was not valid since in the protologue NAUMOVA (1986: p. 81) had already correctly defined the *Trifolion montani-Agrostietum vinealis* as holotype. While the *Koelerio delavignei-Festucetum valesiacae* according to the table of NAUMOVA (1986) clearly belongs to the order *Brachypodietalia pinnati* (*Festuco-Brometea*), the *Trifolion montani-Agrostietum vinealis* rather belongs to the *Trifolio arvensis-Festucetalia ovinae* (*Koelerio-Corynephoretea*). Based on this valid type, the *Trifolion montani* must be considered as a later syntaxonomic synonym of the *Agrostion vinealis* Sipaylova et al. 1985*. Being unaware of this situation, later authors who accept both *Agrostion vinealis* and *Trifolion montani* seemingly mostly based their description and differentiations of the two units on the second, invalid typification of the *Trifolion montani* (e.g. KUZEMKO 2011, ERMAKOV 2012).

***Allio taurici-Dichanthietum ischaemi* Kuzemko et al. 2014**

Protologue: this paper

Typus: this paper (Table S4, relevé 137 = UAR051) [Holotypus]

***Artemisio austriaci-Teucrietum chamaedryos* Didukh & Kontar 1999**

Protologue: “*Artemisio austriacii-Teucrietum chamaedrycis* ass. nov.” (DIDUKH & KONTAR 1999: pp. 86 et seq.)

Typus: DIDUKH & KONTAR (1999: Table 4, relevé 18) [Holotypus]

Notes: DIDUKH & KONTAR (1999: p. 86) indicate relevé 18 of Table 3 as type relevé. While the association is not contained in Table 3, but in Table 4, we consider this as a simple typo that does not invalidate the typification.

***Aurinio saxatilis-Allietum podolici* Onyschenko 2001**

Protologue: “*Aurinio saxatilis-Allietum podolici* ass. nova” (ONYSCHENKO 2001: pp. 95 et seq.)

Typus: ONYSCHENKO (2001: Table 2, rel. 13) [Holotypus]

***Betonico officinalis-Trifolietum montani* Popova in Popova et al. 1986**

Notes: This association was cited by KOROTCHENKO & DIDUKH (1997), but we could not check the original source so far.

***Brachypodio pinnati-Teucrietum chamaedryos* Fijalkowski 1964**

Protologue: “Zbiorowisko *Brachypodium pinnatum-Teucrium chamaedryos* (*Brachypodio-Teucrietum*)” (FIJALKOWSKI 1964).

Typus: As to our knowledge not yet lectotypified.

***Festuco sulcatae-Brachypodietum pinnati* Soó 1927**

Protologue: „*Festuceto (sulcatae)-Brachypodietum (pinnati)*“ (SOÓ 1927: pp. 85, 87–89)

Typus: DENGLER et al. (2012: Table 3: rel. 1 = RO01NW) [neotypus, selected by DENGLER et al. (2012)]

Syn.: *Brachypodio pinnati-Caricetum montanae* Soó 1947* [Syntax. syn.]

Danthonio-Brachypodietum pinnati Soó 1947* nom. inval. p.max.p. [Art. 3b]

Pediculari campestris-Caricetum montanae Soó 1947* [Syntax. syn.]

Notes: Note that this association is not identical with the *Festuco rupicolae-Brachypodietum pinnati* Mahn 1965* described from Germany. As *Festuca sulcata* (Hack.) Nyman and *F. rupicola* Heuff. are heterotypic synonyms, both association names are valid, and Art. 32b ICPN does not apply. As SOÓ (1927) published only a synoptic table, a neotype from the same region is selected here. Note that the microspecies of *Festuca* ser. *Valesiaca* in the type relevé is *F. rupicola* = *F. sulcata*.

***Festuco valesiaca-Poetum angustifoliae* Mirkin in Denisova et al. 1986**

Protologue: “*Festuco valesiaca-Poetum angustifoliae* Mirkin in Denisova et al. 1986“ (DENISOVA et al. (1986: pp. 28 et seq.)

Typus: As to our knowledge not yet neotypified.

***Melico transsilvanicae-Sedetum ruprechtii* Kontar 2000**

Protologue: “*Melicoso transsilvanicae-Sedetum ruprechtii* ass. nov.” (KONTAR 2000: pp. 17 et seq.)

Typus: KONTAR (2000: Table 1, rel. 5) [Holotypus]

***Salvio pratensis-Poetum angustifoliae* Korotchenko & Didukh 1997**

Protologue: KOROTCHENKO & DIDUKH (1997: p. 27)

Typus: KOROTCHENKO & DIDUKH (1997: Table 1, rel. 17) [Holotypus]

***Stipetum pulcherrimae* Soó 1942**

Protologue: SOO (1942: pp. 147 + 149)

Typus: SOO (1949: table 29, rel. 8) [Neotypus, selected by DENGLER et al. (2012)]

Syn.: *Caricetum humilis* Soó 1942* p.p. [Syntax. syn.; Lectotypus designated by DENGLER et al. (2012: p. 348): SOO (1942: pp. 146–147, rel. 4)]

Salvio nutantis-Stipetum pulcherrimae (Soó 1942*) Boşcaiu et al. 1984* nom. illeg. [Art. 29a]

Notes: SOÓ (1942: p. 149) presented a vegetation table with three individual relevés, however, the companion species occurring in only one of these relevés were only listed and not assigned to any of these relevés. Therefore, we consider this table only as an equivalent to a synoptic table, and accordingly the designation of a neotype according to Art. 21 ICPN became necessary.

***Teucrio pannonicum-Stipetum capillatae* Didukh & Korotchenko 2000**

Protologue: DIDUKH & KOROTCHENKO (2000: pp. 13 et seq.)

Typus: DIDUKH & KOROTCHENKO (2000: Table 2, rel. 9) [Holotypus]

***Thymo pulegioidis-Sedetum sexangularis* Didukh & Kontar 1999**

Protologue: “*Thymo pulegioides-Sedetum sexangulare* ass. nov.” (DIDUKH & KONTAR 1999: pp. 85 et seq.)

Typus: DIDUKH & KONTAR (1999: Table 4, rel. 6) [Holotypus]

***Trifolio arvensis-Festucetum valesiaca* Sopotlieva & Apostolova 2014**

Protologue: SOPOTLIEVA & APOSTOLOVA (2014: p. 83)

Typus: SOPOTLIEVA & APOSTOLOVA (2014: Table 5, rel. 5) [Holotypus]

***Veronico austriaca-Chamaecytisetum austriaci* Korotchenko & Didukh 1997**

Protologue: KOROTCHENKO & DIDUKH (1997: pp. 27 et seq.)

Typus: KOROTCHENKO & DIDUKH (1997: Table 1, rel. 21) [Holotypus]

***Vincetoxico hirundinariae-Rumicetum acetosellae* Didukh & Kontar 1999**

Protologue: “*Vincetoxico hirundinarii-Rumicetum acetosellae* ass. nov.” (DIDUKH & KONTAR 1999: pp. 78 et seq.)

Typus: DIDUKH & KONTAR (1999: Table 3, rel. 21) [Holotypus]

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Appendix S3. Photo collection of the dry grassland types in Central Podolia.

Anhang S3. Fotoauswahl der Trockenrasentypen Zentral-Podoliens.



Ajuga chamaepitys subsp. *chia*-*Sedum acre* [*Alyso alyssoidis*-*Sedion*?] community (1.1.1), “Enchanted valley” near Dmytrashkivka (Site 9) (Photo: T. Becker).



Ajuga chamaepitys subsp. *chia*-*Sedum acre* [*Alyso alyssoidis*-*Sedion*?] community (1.1.1), Locality “Enchanted valley” near Dmytrashkivka village (Site 9) (Photo: J. Dengler, JD104047).



Allium podolicum-*Sedum acre* [*Sedo albi*-*Veronicion dillenii*?] community (1.2.1), Granite outcrops near Antsipolivka village (Site 3) (Photo: J. Dengler, JD103425).



Allium podolicum-*Sedum acre* [*Sedo albi*-*Veronicion dillenii*?] community (1.2.1), Granite outcrops near Antsipolivka village (Site 3) (Photo: O.H. Yavorska).



Linum hirsutum-Galium verum [*Agrostio vinealis-Avenulion schellianae*] community (2.1.1), *Carlina onopordifolia* site "Romashkovo" (Site 6) (Photo: J. Dengler, JD103751).



Fissidens viridulus-Festuca rupicola [*Agrostio vinealis-Avenulion schellianae*] community (2.1.2), Granite outcrops near Antsipolivka village (Site 3) (Photo: O.H. Yavorska).



Fissidens viridulus-Festuca rupicola [*Agrostio vinealis-Avenulion schellianae*] community (2.1.2), Granite outcrops near Antsipolivka village (Site 3) (Photo: J. Dengler, JD103449).



Homalothecium lutescens-Poa angustifolia [*Agrostio vinealis-Avenulion schellianae*] community (2.1.3), Pasture on the sand basis near Ternivka village (Site 13) (Photo: O.H. Yavorska).



Homalothecium lutescens-Poa angustifolia [*Agrostio vinealis-Avenulion schellianae*] community (2.1.3), Pasture on the sand basis near Ternivka village (Site 13) (Photo: O.H. Yavorska).



Teucrio pannonici-Stipetum capillatae (2.2.1), *Carlina onopordifolia* site “Romashkovo” (Site 6) (Photo: J. Dengler, 103737).



Teucro pannonici-Stipetum capillatae (2.2.1), Kyrkiniak underground river valley near Bolgan village (Site 7) (Photo: T. Becker).



Teucro pannonici-Stipetum capillatae (2.2.1), Vilshanka river valley near Verkhnia Slobidka village (Site 14) (Photo: T. Becker).



Teucrio pannonici-Stipetum capillatae (2.2.1), Locality “Ozarynetska mountain” in Nemya river valley near Mohyliv-Podilsky town (Site 17) (Photo: J. Dengler, JD104630).



Allio taurici-Dichanthietum ischaemi (2.2.2), Kamianka river valley between villages Bolgan and Kukuly (Site 8) (Photo: J. Dengler, JD103915).



Allio taurici-Dichanthietum ischaemi (2.2.2), Kamianka river valley between villages Bolgan and Kukuly (Site 8) (Photo: J. Dengler, JD103972).



Salvia nutans-Carex humilis [*Stipion lessingianae*] community (2.2.3), Vilshanska river valley near Verkhnia Slobidka village (Site 14) (Photo: T. Becker).



Salvia nutans-Carex humilis [*Stipion lessingianae*] community (2.2.3), Limestone outcrops near Faihorog village (Site 12) (Photo: J. Dengler, JD104257).