Vascular Plants issued by the Herbarium GZU, nos. 1–50

Anton DRESCHER & Astrid SCHARFETTER

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Abstract: "Vascular Plants issued by the Herbarium GZU", nos. 1–50, comprises collections from Austria (36), Brazil (1), Italy (4), Romania (1), Slovenia (7) and Ukraine (1). The material was collected by C. DRAGULESCU, V. DOLENZ (†), A. DRESCHER, G. EVERS (†), G. GOTTSBERGER, J. A. KERNER (†), R. KISH, M. MAGNES, W. MAURER (†), W. MÖSCHL (†), W. OBERMAYER, H. PITTONI-DANNENFELDT (†), J. POELT (†), I. SILBERBAUER-GOTTSBERGER, and T. STER. Short biographical notes on Viktor DOLENZ, Georg EVERS, Josef Anton KERNER, Willibald MAURER, Wilhelm MÖSCHL, Helga PITTONI-DANNENFELDT, and Josef POELT are given in the introduction.

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"Vascular Plants issued by the Herbarium GZU" is edited in continuation of the series "Dupla plantarum vascularium" and "Dupla Salicum" for the publication and distribution of (partly historical) collections with irregular numbers of specimens. Five herbaria receive all distributed collections: GZU (Institute of Plant Sciences, University of Graz), KRAM (Polish Academy of Sciences, Kraków), OSC (Oregon State University, Corvallis), PE (Chinese Academy of Sciences, Beijing), and W (Natural History Museum, Vienna). Surplus material is usually sent to a maximum of ten further institutions. All herbaria receiving duplicates are cited in the bottom line of every individual label with their international acronyms (see Index Herbariorum, THIERS 2017).

For the historical collections, the text of the original, mostly hand-written labels is translated more or less unchanged into English, using the vernacular names of localities. Additional data, e.g. the distance to the nearest town and geographical latitude and longitude, are inserted in square brackets. Geographical longitude is given E / W of Greenwich, in some cases the grid cell number of the project 'Floristische Kartierung von Mitteleuropa' (EHRENDORFER & HAMANN 1965) is given. For some of the recent collections, geomorphological features and a list of accompanying species or a phytosociological relevée (BRAUN-BLANQUET 1964) are added. The nomenclature follows 'The Plant List' 2017, DRESCHER 2014, and FISCHER et al. 2008. For comments on distribution, abundance and degree of endangering of plants of Austrian origin we used FISCHER et al. 2008.

The main purposes of the new series are to publish noteworthy floristic data on vascular plants from recent collections, mainly from Europe and from Austria in particular, as well as to distribute historical collections stored in the herbarium of the University of Graz (GZU).

"Vascular Plants issued by the Herbarium GZU" is also available as a pdf file under < http://botanik.uni-graz.at/de/fritschiana/ >.

Biographical notes on collectors

Viktor DOLENZ (1870–1914) was born in Kranj/Krainburg (Gorenjska/Oberkrain, Slovenia). After attending secondary school (Gymnasium) in Kranj and Ljubljana/ Laibach, he graduated on 16 July 1888. After attending his military service, he studied natural sciences in Vienna and Munich. In 1894 he was approved as a teacher for secondary schools. From 1902 to 1904, he worked as teacher in Villach, then in Budejovice. In 1907 he was appointed as professor at the 'II. Staatsgymnasium' in Graz. A few months after the outbreak of World War I, he was killed in a battle in the Carpathians near Lupkow on 11 November 1914. His collections are housed in the herbarium GZU and contain remarkable material from Carinthia and Kranj. (LINHART 1915)

Georg EVERS (1837–1916) was born in Mengershausen near Göttingen (Germany). After several years as a pastor of the Lutheran church in Urbach (Hannover) he converted to Roman-Catholic. Between 1883 and 1889 he lived in Mühlau near Innsbruck, afterwards he was director of a seminary in Trieste, then he lived in Trento, Ičiči near Opatija/Abbazia, and finally in Innsbruck (Austria), where he died in 1919. His large collections contain mainly material from central Germany, dating back to his early span, when he started his floristic career. All stations of his life are documented by collections, northern Italy (Trieste, Friuli, Trentino), Toscana, Istria, Tyrol, central Italy (Lazio, Abruzzo, Campania), and the area around Innsbruck. Additionally he collected material on journeys to France, Hungary, Serbia, Greece (continental part and Crete). Duplicates were sent to the herbaria in Kraków, Vienna and to J. BRAUN-BLANQUET (in exchange for 'Flora Rhaetica exsiccata'). In Index Kewensis 62 type specimens are listed, for instance 11 *Rubus* species and several *Hieracium* taxa. It is still unclear which of them are valid names.

A complete, original list of his collection, compiled by Evers himself, is kept in the herbarium GZU. The collection housed in GZU comprises around 20,000 sheets. (A. DRESCHER, unpublished)

Josef Anton KERNER (1829–1906), a brother of Anton KERNER VON MARILAUN (finally professor at the University of Vienna and director of the Botanical Garden), was a lawyer who finished his professional career as the head of the state court of Salzburg. Josef KERNER collected in Austria and adjacent areas, mainly in Upper Austria, Lower Austria and Salzburg, somewhat less in Tyrol, Carinthia and Styria and contributed also to the 'Flora exsiccata Austro-Hungarica', edited by his brother (see KERNER 1881–1913 and http://herbarium.univie.ac.at/). Josef KERNER was very interested in the genera *Salix* ('Herbarium österreichischer Weiden', edited by A. und J. KERNER, with printed labels) and *Rosa*. The private herbarium of Josef KERNER was purchased by the Institute of Botany of the University of Graz in 1912 for 1,500 Austrian 'Kronen'. Richard von WETTSTEIN arranged this deal between Karl FRITSCH, the director of the institute at that time, and Josef KERNER's daughter Annaliese. J. KERNER's herbarium comprises about 65,000 collections, including a set of 'Flora exsiccata Austro-Hungarica'. (A. DRESCHER, unpublished)

Willibald MAURER (1926–2016) was born in Ottenberg in southern Styria. He attended school in Graz. After about one year of serving in the army, he carried on various casual jobs to survive. In 1947 he began as a clerc at the Higher Regional Court in Graz (Oberlandesgericht Graz). In 1958 he started his scientific career as a

botanist. Beside his contributions to challenging genera like *Rubus* and *Alchemilla* – he described 9 regionally distributed *Rubus* species new for science – he also dealt with mosses and wood-inhabiting fungi. He cooperated with S. FRÖHNER, H. E. WEBER, H. NIKLFELD and others, and he contributed substantially to the project 'Floristische Kartierung von Mitteleuropa', mainly in Styria. The last decade of his life was characterized by his progressively diminishing eyesight. His herbarium collections are housed at GZU (notably the *Rubus* types) and GJO (Universalmuseum Joanneum, Graz). (ZERNIG & SCHEUER 2016)

Wilhelm MÖSCHL (1906–1981) was born in Graz (Austria). He studied botany and geography at the University of Graz and graduated in 1931 with a doctoral thesis on the groups *Orthodon-Fagacia* and *Cryptodon* of the genus *Cerastium*. In 1932 he passed the exams for teaching at secondary schools. After several years in Oberschützen (Burgenland) he was forced to change for teaching to Maribor (Marburg an der Drau) during the World War II. Further stations of his career as a teacher at secondary schools were Bruck an der Mur and finally Graz.

He kept the focus of his research on the genus *Cerastium* for the rest of his life, despite a broad field of interest. He described several new *Cerastium* taxa. His herbarium collections are housed at GZU. (POELT 1982)

Eduard PALLA (1864–1922) was born in Kremsier (Kroměříž, Moravia) where he attended secondary school. From 1883 onwards, he studied botany at the University of Vienna and was a colleague of K. FRITSCH (see biographical notes on the front inside cover). His doctoral thesis with the title "Beiträge zur Anatomie und Systematik der Cyperaceen" was approved in 1887. In autumn 1888 he started as an assistant at the former Institut für Pflanzenphysiologie at the University of Graz, under the director Prof. G. HABERLANDT. He was habilitated in 1891. His collections including the Cyperaceae from Bogor/Buitenzorg (Java), where he stayed from September 1901 till 1902, are kept at the herbarium GZU. PALLA died on 7 April 1922 in Graz. (FRITSCH 1923)

Helga PITTONI-DANNENFELDT (1924–1994) was born in Graz (Austria). She started her studies of botany, zoology and geography at the University of Graz in 1942 and was graduated with a doctoral thesis about the genus *Leontodon* in 1948. After a longer period of working for a plant breeding station in Feldbach and Gleisdorf (Styria), she changed to the University of Graz in 1969 and became curator of the herbarium GZU. Plants of the desert were her main interest. During journeys to Madeira, the Canary Islands, western Asia, Sri Lanka, China, North and Central America she collected more than 10,000 numbers. The specimens are housed at the herbarium GZU. (POELT 1996)

Josef POELT (1924–1995) was born in Pöcking (Bavaria, Germany). He attended secondary school in Munich and from 1943 onwards saw military action in Russia. After demobilization he started with studies of botany in Munich. His doctoral thesis finished in 1950 dealt with bryology. After his habilitation for systematic botany in Munich, he was appointed as professor at the Freie Universität Berlin. In March 1972 he succeeded Friedrich EHRENDORFER in Graz, where he died in 1995, a few years after his retirement. His main fields of interest were cryptogams, especially lichenized and non-lichenized fungi. But during all his expeditions and excursions to the Americas, Greenland, the Mediterranean, and the Himalayas he also collected vascular plants

extensively. His complete collections are housed at GZU. (MAYRHOFER et al. 1996, HERTEL & OBERWINKLER 1996, HERTEL et al. 1996)

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DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

1. **Acer campestre** L.

SLOVENIA, Istria: Brkini, along the road from Podgrad to Ilirska Bistrica, ca 1500 m linear distance E of the church Sv. Jakob; 45°31'33"N, 14°10'07"E; 540–560 m a.s.l.

Mantle of a mesophilic deciduous woodland with *Carpinus betulus*, *Quercus cerris*, *Tilia cordata* and *Acer pseudoplatanus* in the canopy, and *Asarum europaeum*, *Cyclamen purpurascens*, *Iris* spec. a.o. in the herb layer.

2001-05-29 leg. & det. A. Drescher (#5516)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000253676.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

2. **Alopecurus aequalis** Sobol.

AUSTRIA, Steiermark (Styria): 'Grazer Feld', W of the river Mur, southern part of the forest Kaiserwald, pond 'Neuteich', ca 1.6 km linear distance W of Wundschuh; 46°55'38"N, 15°25'46.8"E; ca 340 m a.s.l.

Siltation series of the pond.

2003-05-25 leg. & det. A. Drescher (#6324)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000315836.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

3. **Astrantia carniolica** Wulf.

SLOVENIA, Bled [Veldes], [Julijske Alpe:] Rotweinklamm [Vintgar Klamm, Blejski Vintgar] bei [NW] Veldes [Bled]; [46°23'26"N, 14°05'E, exactness: 2000 m; ca 580–590 m a.s.l.]

1907-08-11 leg. E. Palla
det. A. Drescher (Graz, 1989)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317458–000317460.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

4. **Brachypodium rupestre** (Host) Roem. & Schult.

AUSTRIA, Steiermark (Styria), ‘Oststeirisches Riedelland’, ca 9.5 km linear distance NE of the centre of Graz, Schillingsdorf; 47°06'35.4"N, 15°32'53.7"E; 570 m a.s.l.

Semidry grassland partly covered by the canopy of the adjacent mixed broadleaved forest.

2003-06-03 leg. & det. A. Drescher (#6339)

Distributed to: GZU, IBF, KRAM, LJU, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318992.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

5. **Cardamine amara** L. **subsp. amara**

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, eastern surroundings of Graz, Purgstall bei Eggersdorf, Greithgraben, ‘Am Teichgrund’; 47°07'12"N, 15°33'13.2"E; 495 m a.s.l.

Wet places along and in the rivulet near the pond.

2015-06-02 leg. & det. A. Drescher (#6347)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000322981.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

6. **Carex brizoides** L.

AUSTRIA, Steiermark (Styria):‘Oststeirisches Riedelland’, ca 9 km linear distance NE of the centre of Graz, Hollergraben; 47°06'47"N, 15°32'33"E; 540 m a.s.l.; grid cell 8959/1.

Lower part of a N-exposed slope with *Fraxinus excelsior*, *Alnus glutinosa* and *Picea abies* in the canopy, herb layer dominated by *Carex brizoides*.

2003-06-05 leg. & det. A. Drescher (#6328)

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318981, GZU000318995.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

7. **Carex davalliana** Sm. ♂

AUSTRIA, Lower Austria: Wienerwald, ca 2 km linear distance N of Sittendorf, area around the spring of the rivulet Sparbach between Kreuzsattel in the E and the Salzberg in the W; 48°05'48''N, 16°10'05''E; 530–550 m a.s.l.

Wet places with *Valeriana dioica, Eriophorum latifolium, Veronica beccabunga, Potentilla erecta* a.o.

2001-05-25 leg. & det. A. Drescher (#4095)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000322983.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

8. **Carex davalliana** Sm. ♀

AUSTRIA, Lower Austria: Wienerwald, ca 2 km linear distance N of Sittendorf, area around the spring of the rivulet Sparbach between Kreuzsattel in the E and the Salzberg in the W; 48°05'48''N, 16°10'5''E; 530–550 m a.s.l.

Wet places with *Valeriana dioica*, *Eriophorum latifolium*, *Veronica beccabunga*, *Potentilla erecta* a.o.

2001-05-25 leg. & det. A. Drescher (#4094)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000322984.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

9. **Carex digitata** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, eastern surroundings of Graz, Schillingsdorf, SW-exposed slopes; 47°06'46.3''N, 15°32'51''E; 576 m a.s.l.

Sandy and gravelly sediments of the Ries-Formation (Lower Pannonicum); old orchard.

2015-05-15 leg. & det. A. Drescher (#6350)

Distributed to: GZU, IBF, KRAM, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >:GZU 000311993

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

10. **Carex remota** L. **subsp. remota**

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Purgstall bei Eggersdorf, ca 10 km linear distance NE of the centre of Graz; 47°06'53.7"N, 15°32'59.3"E; 550 m a.s.l.

Small wet depression in a mixed broadleaved forest.

2015-06-02 leg. & det. A. Drescher (#6343)

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317454.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

11. **Cervaria rivini** Gaertn.

Syn.: *Peucedanum cervaria* (L.) Lapeyr.

AUSTRIA, [Tyrol]: Oenipont. [‘Oenipontum’, Innsbruck]: Mühlau [47°17'08"N, 11°24'50"E, exactness: 1000 m; 620 m a.s.l.].

In silvis pinetis.

1886-10-15 leg. & det. G. Evers

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000297185.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

12. **Crataegus laevigata** (Poir.) DC.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Klöchberg, 8.7 km linear distance NNW of Radkersburg/Gorna Radgona, SSE-exposed slopes of the hill ‘Seindl’; 46°45'55"N, 15°57'47"E; 390 m a.s.l.

Basaltic bedrock; mixed woodland with *Quercus petraea*, *Tilia cordata*, *Acer campestre*, *Carpinus betulus* and *Fagus sylvatica* in the canopy.

2000-04-26 leg. & det. A. Drescher (#4240)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318991.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

13. **Eriophorum latifolium** Hoppe

AUSTRIA, Steiermark: Paltental, between Trieben and Au bei Gaishorn am See; [ca 47°29'20''N, 14°30'30''E, exactness: 1000 m; 695–700 m a.s.l.]; grid cell 8553/1.

Swamp.

2001-06-17 leg. & det. A. Draxler & W. Maurer

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU 000325516.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

14. **Fraxinus ornus** L.

SLOVENIA, Istria: ca 1.8 km SSE of Kozina; 45°33'55''N, 13°57'40''E; ca 480 m a.s.l.

Dry grassland with scattered shrubs of *Quercus pubescens* s.l., *Ostrya carpinifolia*, *Fraxinus ornus*, *Ulmus minor*, *Crataegus monogyna*, *Ligustrum vulgare*, *Rhamnus cathartica*, *Rosa* spec., *Cornus* mas, *Cornus sanguinea* a.o.

2001-05-20 leg. & det. A. Drescher (#5499)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318993, GZU000318996.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

15. **Galium rotundifolium** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, 8.6 km E of the centre of Graz, between Milchgraben and Hönigtal, 600 m W of Hönigtal; 47°05'38''N, 15°33'23''E; 525 m a.s.l.; grid cell 8959/1.

Shady area of a mixed forest.

2014-05-27 leg. & det. Walter Obermayer (#13175)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318655, GZU000318658, GZU000318659.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

16. **Genista germanica** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Purgstall bei Eggersdorf, ca 10 km linear distance NE of the centre of Graz; 47°07'04.5"N, 15°33'15.1"E; 510 m a.s.l.

Fringe of a mixed broadleaved forest.

2015-06-02 leg. & det. A. Drescher (#6341)

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317451.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

17. **Geranium phaeum** L. **subsp. phaeum**

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Purgstall bei Eggersdorf, ca 10 km linear distance NE of the centre of Graz; 47°07'04.5"N, 15°33'15.1"E; 510 m a.s.l.

Fringe of a mixed broadleaved forest.

2015-06-02 leg. & det. A. Drescher (#6342)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317452, GZU000317453.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

18. **Glyceria notata** Chevall.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Purgstall bei Eggersdorf, ca 10 km linear distance NE of the centre of Graz; 47°06'53.7"N, 15°32'59.3"E; 550 m a.s.l.

Small wet depression in a mixed broadleaved forest.

2015-06-02 leg. & det. A. Drescher (#6344)

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317455.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

19. **Linum catharticum** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, eastern surroundings of Graz, Schillingsdorf, E-exposed slopes along the road; 47°06'26"N, 15°32'38.3"E; 567 m a.s.l.

Sandy and gravelly sediments of the Ries-Formation (Lower Pannonicum); dry grassland with *Festuca rupicola*, *Bromus erectus*, *Carex montana* a.o.

2001-05-23 leg. & det. A. Drescher (#6326)

Distributed to: GZU, KRAM, LJU, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000315838.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

20. **Lychnis flos-cuculi** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, Purgstall bei Eggersdorf, ca 10 km linear distance NE of the centre of Graz; 47°06'53.7"N, 15°32'59.3"E; 550 m a.s.l.

Small wet depression in a mixed broadleaved forest.

2015-06-02 leg. & det. A. Drescher (#6345)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317456.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

21. **Marsilea quadrifolia** L.

UKRAINE, Zakarpatska oblast [Province of Transcarpathia], Uzhgorod county, surroundings of the village of Chervone, Latorytsya floodplain; 48°27'02"N, 22°16'36"E; 99 m a.s.l.

Swamp.

2003-09-02 leg. & det. Roman Kish [R. Kisch, Р. КІШ]

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000246446.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

22. **Neottia nidus-avis** (L.) Rich.

AUSTRIA, Steiermark (Styria): 'Oststeirisches Riedelland', Kainbach bei Graz, Schillingsdorf, Reindlwald, ca 10 km linear distance NE of the centre of Graz; 47°06'49"N, 15°32'49.6"E; 580 m a.s.l.

Embankment along the road crossing the forest.

2015-05-24 leg. & det. A. Drescher (#6346)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000317457.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

23. **Ostrya carpinifolia** Scop.

SLOVENIA, Istria: ca 1.8 km SSE of Kozina; 45°33'55"N, 13°57'40"E; ca 480 m a.s.l.

Dry grassland with scattered shrubs of *Quercus pubescens* s.l., *Ostrya carpinifolia*, *Fraxinus ornus*, *Ulmus minor*, *Crataegus monogyna*, *Ligustrum vulgare*, *Rhamnus cathartica*, *Rosa* spec., *Cornus mas*, *Cornus sanguinea* a.o.

2001-05-29 leg. & det. A. Drescher (#5498)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318994.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

24. **Piptocarpha rotundifolia** (Less.) Baker

BRAZIL, Est. São Paulo: Municipio Botucatu, Cerrado 13 de Maio, 15 km NNE of Botucatu; [22°45'55"S, 48°22'34"W, exactness: 1000 m; ca 550 m a.s.l.].

1979-07-20 leg. G. Gottsberger, J. Poelt & I. Silberbauer-Gottsberger
det. I. Silberbauer-Gottsberger

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000297183, GZU000297184.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

25. **Poa compressa** L.

ITALY, Friuli-Venezia Giulia: Eastern Alps, valley of the upper Tagliamento river near Amaro, 200 m W of the confluence with the river Fella; 46°21'45''N, 13°06'44''E; 245 m a.s.l.

Active zone of the river with coarse calcareous sand.

2004-07-27 leg. & det. A. Drescher (#4605)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318998.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

26. **Quercus cerris** L.

SLOVENIA, Istria: Brkini, along the road from Podgrad to Ilirska Bistrica, ca 500 m linear distance E of the church Sv. Jakob; 45°31'33''N, 14°10'07''E, exactness: 200 m; 549–560 m a.s.l.

Mantle of a mesophilic deciduous woodland with *Carpinus betulus*, *Quercus cerris*, *Tilia cordata* and *Acer pseudoplatanus* in the canopy, and *Asarum europaeum*, *Cyclamen purpurascens*, *Iris* spec. a.o. in the field layer.

2001-05-29 leg. & det. A. Drescher (#5516)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000253677.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

27. **Quercus pubescens** Willd.

ITALY, Trieste: Karst region SW of Trieste, ca 2 km W of Muggia; 45°36'26"N, 13°44'06"E; 40–90 m a.s.l.

Dry grassland dominated by *Bromus erectus* and succession stages on calcareous flysch with *Aster linosyris*, *Chrysopogon gryllus*, *Anacamptis pyramidalis*, *Limodorum abortivum*, *Geranium sanguineum*, *Peucedanum cervaria*, *Molinia arundinacea* and scattered shrubs of *Fraxinus ornus*, *Carpinus orientalis*, *Quercus pubescens*, *Cornus sanguinea* a.o.

2001-06-01 leg. & det. A. Drescher (#5455)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >:GZU000253618

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

28. **Quercus virgiliana** auct., non (Ten.) Ten.

SLOVENIA, Istria: ca 1.8 km SSE of Kozina; 45°33'55"N, 13°57'40"E; ca 480 m a.s.l.

Dry grassland with scattered shrubs of *Quercus pubescens* s.l., *Ostrya carpinifolia*, *Fraxinus ornus*, *Ulmus minor*, *Crataegus monogyna*, *Ligustrum vulgare*, *Rhamnus cathartica*, *Rosa* spec., *Cornus mas*, *Cornus sanguinea* a.o.

2001-05-20 leg. & det. A. Drescher (#5501)

Annot. (see also DRESCHER A. 2014, in ROTTENSTEINER W.K. (ed.): Exkursionsflora von Istrien, p. 502): The present '*Q. virgiliana* auct.' is connected with *Q. pubescens* by transitional individuals/forms. As we could check neither the type specimen nor authentic material from southern Italy, the identity of the morphotypes collected in Istria is still not resolved. Therefore several authors treat the present '*Q. virgiliana* auct.' as a synonym of *Q. pubescens*.

Distributed to: GZU, KRAM, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000253662, GZU000318997.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

29. **Rubus liubensis** W. Maurer

AUSTRIA, Steiermark (Styria): [Liesingtal], near Traboch; [ca 47°22'40"N, 14°59'20"E, exactness: 2500 m]; grid cell 8655/2.

1992-07-12 leg. & det. W. Maurer

Distributed to: GZU, IB, KRAM, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318984, GZU000318989, GZU000318990.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

30. **Salix alpina** Scop. ♀

AUSTRIA, Carinthia: Karnische Alpen, Naßfeld, Treßdorfer Alm; 46°34'29"N, 13°15'34"E, exactness 500 m; 1600–1630 m a.s.l.

Grazed alpine meadows, dwarf shrubs and *Salix* scrub.

2001-07-22 leg. & det. A. Drescher (#5607)

Annot.: FLODERUS 1940 (in Ark. Bot. 29A (18): 1–54, 2 plates) was the first author who distinguished between the three related species: *Salix myrsinites* L. of arctic distribution, *S. alpina* SCOP. (Eastern Alps and Carpathians), and *S. breviserrata* FLOD. (Western Alps with a few localities in the Spanish Pyrenées and in the Apennin Mts./Italy). While the arctic *S. myrsinites* is geographically isolated, *S. breviserrata* and *S. alpina* show an overlapping distribution area in the western part of the Eastern Alps. In this area transitional forms between *S. breviserrata* with glandular-serrate leaf margin and *S. alpina* with entire leaf margin are frequent. See also HÖRANDL 1992 (in Abh. Zool.-Bot. Ges. Österreich 27: 1–170) and NEUMANN 1981 (in Mitt. Forstl. Bundes-Versuchsanst. Wien 134, 1–152).

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000259270.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

31. **Salix appendiculata** Vill.

Syn.: *Salix grandifolia* Ser.

AUSTRIA, Lower Austria: [Ybbstaler Alpen], on the Gruebberge [Grubberg] near [ca 5 km SW of] Gaming; [ca 47°53'15"N, 15°03'14"E, exactness: 1000 m].

1859-[04-24/25] leg. J. Kerner

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000140895.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

32. **Salix appendiculata** Vill. × **S. eleagnos** Scop.

ITALY, Friuli-Venezia Giulia: Southeastern Alps, Karawanken, Valle di Riofreddo [Kaltwassertal] ca 4.5 km linear distance SSE of Tarvisio [Tarvis]; 46°28'10.5"N, 13°33'43.5"E; 860 m a.s.l.

Shrub formation along the river.

2003-08-09 leg. & det. A. Drescher (#6340)

Distributed to: GZU, IBF, KRAM, LJU, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000309548.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

33. **Salix eleagnos** Scop.

AUSTRIA, Steiermark (Styria): Niedere Tauern, Kleinsölktal, valley of the Schwarzenseebach between Zauneralm in the south and the Sacherseealm in the north; 47°19'42–56"N, 13°53'37–51"E; 1050–1060 m a.s.l.; grid cell 8649/3.

Gravel and coarse sand of siliceous parent material. Periodically flooded area along the river, partly with willow scrub, partly with *Alnus incana* woodland.

2001-08-23 leg. & det. A. Drescher (#4505)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU 000323097.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

34. **Salix eleagnos** Scop. ♀

AUSTRIA, Lower Austria (Niederösterreich): southern part of the ‘Wiener Becken’, floodplain of the Schwarza river; 47°43'38"N, 16°09'56"E; 330 m a.s.l.; grid cell 8262/4.

Floodplain with gravelly calcareous sediments.

1982-06-07 leg. & det. A. Drescher (#4171)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000323099.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

35. **Salix foetida** Schleicher ex DC. ♀

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, eastern surroundings of Graz, Schillingsdorf; 47°06'51"N, 15°32'57"E; 580 m a.s.l.

Cultivated in a private garden.
[Origin of the material: SCHWEIZ, Kanton Graubünden: Nördliche Engadiner Alpen, Albula-Gruppe, Albula-Pass, Crap Alv, ca 2 km W of the pass; 2030–2080 m; *Salix*-scrub along a rivulet, coll. 1994-09-05, collected and transplanted by A. Drescher.]

2004-05-13 leg. & det. A. Drescher (#4509)

Annot.: The species is distributed from the Western Alps eastwards to Tyrol on siliceous bedrock. In Austria restricted to Tirol and Vorarlberg.

Distributed to: GZU, IBF, JACA, KRAM, LJU, M, MA, NY, OSC, PE, W, WU.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000323103.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

36. **Salix fragilis** L.

AUSTRIA, Steiermark (Styria): ‘Oststeirisches Riedelland’, eastern surroundings of Graz, Purgstall bei Eggersdorf, Greithgraben, ‘Am Teichgrund’; 47°07'10.5"N, 15°33'14.8"E; 495 m a.s.l.

Wet places along and in the rivulet near the pond.

Twigs from two different individuals with green and glaucous lower side of leaves, respectively.

2015-06-02 leg. & det. A. Drescher (#6348)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000322982.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

37. **Salix fragilis** L. × **S. pentandra** L. ♀

AUSTRIA, Steiermark (Styria): Graz, Geidorf, Schubertstraße, Botanical Garden of the University of Graz.

Cultivated under the name *Salix* ×*meyeriana* Rostk. ex Willd.

1999-05-07 leg. & det. A. Drescher

Distributed to: GZU, IBF, KRAM, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000323100.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

38. **Salix glabra** Scop. ♂

AUSTRIA, Carinthia (Kärnten): Gailtaler Alpen, western end of the gorge Koflachgraben, ca 2 km ESE of Kreuzen; 13°36'37"E, 46°40'12"N; 820–850 m a.s.l.

NE-exposed rock walls and lower slopes in the gorge with dealpine species like *Rhododendron hirsutum*, *Rhodothamnus chamaecistus*, *Calamagrostis varia*, *Aster bellidiastrum*, *Salix appendiculata*, *Distichium capillaceum*, *Plagiomnium cuspidatum*, *Thamnobryum alopecurum* a.o.

2000-05-12 leg. & det. A. Drescher (#5585)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000258472.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

39. **Salix glabra** Scop. ♀

AUSTRIA, Carinthia (Kärnten): Gailtaler Alpen, western end of the gorge Koflachgraben, ca 2 km ESE of Kreuzen; 13°36'37"E, 46°40'12"N; 820–850 m a.s.l.

NE-exposed rock walls and lower slopes in the gorge with dealpine species like *Rhododendron hirsutum*, *Rhodothamnus chamaecistus*, *Calamagrostis varia*, *Aster bellidiastrum*, *Salix appendiculata*, *Distichium capillaceum*, *Plagiomnium cuspidatum*, *Thamnobryum alopecurum* a.o.

2000-05-12 leg. & det. A. Drescher (#5586)

Distributed to: GZU, KRAM, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000258471.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

40. **Salix glabra** Scop.

AUSTRIA, Carinthia (Kärnten): [Karawanken, W of Bad Eisenkappel/Železna Kapla], Hochobir; [ca 46°30'25"N, 14°29'E, exactness: 1000 m].

Twigs with summer leaves.

1986 leg. T. Ster
det. A. Drescher (Graz, 2001)

Distributed to: GZU, IB, IBF, KRAM, LJU, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318986.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

41. **Salix myrsinifolia** Salisb. ♀

AUSTRIA, Carinthia (Kärnten): Karnische Alpen, Nassfeld, path from Naßfeldhaus to Treßdorfer Alm; 46°34'17"N, 13°15'58"E, [exactness 200 m]; ca 1540 m a.s.l.

Willow scrub.

2001-07-22 leg. & det. A. Drescher (#5595)

Distributed to: KRAM, MA, NY, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000258458.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

42. **Salix repens** L. **subsp. rosmarinifolia** (L.) Čelak.

ROMANIA, Transsilvania: surroundings of Sibiu, slopes of Munţii Cindrelului (Cindrel Mts), between Tălmaciu and Cisnădie, ca 1 km S of the Sadu river; 45°40'10"N, 24°12'12"E; ca 460 m a.s.l.

Remnants of a wet grassland (Molinietum) with *Salix cinerea*, *Molinia caerulea*, *Selinum carvifolia*, *Achillea ptarmica*, *Sanguisorba officinalis*, *Filipendula ulmaria*, *Ranunculus flammula*, *Narcissus poeticus*, *Lythrum salicaria*, *Gratiola officinalis*, *Succisa pratensis*, *Lycopus europaeus*, *Scutellaria galericulata*, *Genista tinctoria*, *Anthoxanthum alpinum*, *Thalictrum lucidum*, *Peucedanum rochelianum*, *Gentiana pneumonanthe*, *Iris sibirica*, *Dactylorhiza transsilvanica* a.o.

1995-07-31 leg. & det. A. Drescher (#6329), C. Dragulescu & M. Magnes

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318983.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

43. **Salix waldsteiniana** Willd. ♂ und ♀

AUSTRIA, Carinthia (Kärnten): [Hohe Tauern], Mallnitzer Tauern, along Tauern rivulet near the refuge ‘Mannhardt-Hütte’ [= Laschghütte, a dilapidated hunting lodge, reportedly the former Mannhardthütte; ca 47°00'14.22"N, 13°06'19.71"E, exactness: 200 m].

Twigs from male and female individuals.

1913-05-31 leg. V. Dolenz
det. A. Neumann (FBVA Wien, 1957)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000318988.

44. **Sisyrinchium montanum** Greene

Syn.: *Sisyrinchium bermudiana* L.

AUSTRIA, Steiermark (Styria): 'Oststeirisches Riedelland', eastern surroundings of Graz, Schillingsdorf, E-exposed slopes along the road; 47°06'26"N, 15°32'38.3"E; 567 m a.s.l.

Sandy and gravelly sediments of the Ries-Formation (Lower Pannonicum); dry grassland with *Festuca rupicola*, *Bromus erectus*, *Carex montana* a.o.

2001-05-23 leg. & det. A. Drescher (#6327)

Distributed to: GZU, KRAM, MA, NY, OSC, PE, W, WU, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000315839.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50.
Fritschiana (Graz) 84: 1–24.

45. **Tanacetum corymbosum** (L.) Sch. Bip.

AUSTRIA, Steiermark: Grazer Bergland, Plesch near Rein [47°08'34"N, 15°13'47"E, exactness: 1000 m].

Edge of forest (*Picea-Larix* with single individuals of *Fagus sylvatica*); limestone; together with typical individuals of subsp. *clusii* [= subsp. *subcorymbosum*]

1981-07-12 leg. & det. W. Möschl ('88') & H. Pittoni

Annot.: Transitional form between subsp. *clusii* (= subsp. *subcorymbosum*) and subsp. *corymbosum*.

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000323096.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

46. **Thesium pyrenaicum** Pourr.

Syn.: *Thesium pratense* Ehrh.

AUSTRIA, Salzburg: In meadows near Anif; [47°44'55"N, 13°03'54"E, exactness: 1000 m; 440 m a.s.l.].

1898-06 leg. & det. J. Kerner

Distributed to: GZU, IBF, KRAM, LJU, MA, NY, OSC, PE, W, Z.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000319000.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

47. **Ulmus glabra** Huds.

Syn.: *Ulmus scabra* Mill.

ITALY, Bassa Friulana: ca 25 km SSW of Udine, floodplain of the Tagliamento river, ca 2.5 km S of Muzzana del Turgnano, ‘Selva di Avrondis’; 45°47'12"N, 13°07'18"E; 1–2 m a.s.l.

Floodplain with high groundwater table. Mixed broadleaved woodland with *Quercus robur*, *Fraxinus excelsior*, *Ulmus minor*, *Acer campestre* in the canopy, and *Viburnum opulus*, *Rubus caesius*, *Iris pseudacorus*, *Circaea lutetiana*, *Tamus communis*, *Serratula tinctoria*, *Carex pendula* a.o. in the herb layer.

2001-06-02 leg. & det. A. Drescher (#5473)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000323105.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

48. **Ulmus minor** Mill.

SLOVENIA, Istria: Brkini, ca 1500 m SW of Harije; 45°32'55"N, 14°11'03"E; ca 460 m a.s.l.

Slopes with coppiced woodland of *Corylus avellana*, *Quercus petraea* s.l., *Q. cerris*, *Fraxinus ornus*, *Populus tremula*, *Ulmus minor* a.o.

2001-05-29 leg. & det. A. Drescher (#5526)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000253687.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

49. **Veronica beccabunga** L.

AUSTRIA, Lower Austria: Wienerwald, ca 2 km linear distance N of Sittendorf, area around the spring of the rivulet Sparbach between Kreuzsattel in the E and the Salzberg in the W; 48°05'48''N, 16°10'05''E; 530–550 m a.s.l.

Wet places with *Valeriana dioica*, *Eriophorum latifolium*, *Carex davalliana*, *Potentilla erecta* a.o.

2001-05-25 leg. & det. A. Drescher (#4096)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000322985.

DRESCHER A. & SCHARFETTER A. 2017: Vascular Plants issued by the Herbarium GZU, nos. 1–50. Fritschiana (Graz) 84: 1–24.

50. **Viola canina subsp. ruppii** (All.) Schübl. & G. Martens

Syn.: *Viola canina* subsp. *montana* (L.) Hartm.

AUSTRIA, Burgenland: South Burgenland, valley of the river Strem near Luising, 2 km linear distance ESE of Deutsch Bieling; 47°00'17.7''N, 16°29'6''E; 198 m a.s.l.

Periodically moist grassland along a drainage ditch.

2003-05-19 leg. & det. A. Drescher (#6325)

Distributed to: GZU, KRAM, OSC, PE, W.

Databased in Virtual Herbaria Austria < http://herbarium.univie.ac.at/database/ >: GZU000315837