

Supplementary Table 1. Data sources. The list of used vegetation-plot databases, their GIVD codes and names of custodians.

count	%	Full or shortened database name	GIVD code	Custodian
6810	18.3	European Mire Vegetation Database ¹	EU-00-022	Tomáš Peterka ¹
6492	17.4	own data of authors of the paper	none	
3072	8.2	Czech National Phytosociological Database	EU-CZ-001	Milan Chytrý
2785	7.5	Dutch National Vegetation Database	EU-NL-001	Stephan Hennekens
2710	7.3	Austrian Vegetation Database	EU-AT-001	Wolfgang Willner
2551	6.8	SOPHY	EU-FR-003	Emmanuel Garbolino
2163	5.8	Polish Vegetation Database	EU-PL-001	Zygmunt Kącki
1881	5	German Vegetation Reference Database (GVRD)	EU-DE-014	Ute Jandt
1725	4.6	Irish Vegetation Database	EU-IE-001	Úna FitzPatrick
1444	3.9	VegMV	EU-DE-001	Florian Jansen
1120	3	UK National Vegetation Classification Database	EU-GB-001	John S. Rodwell
892	2.4	VegetWeb Germany	EU-DE-013	Florian Jansen, Friedemann Goral
873	2.3	Slovak Vegetation Database	EU-SK-001	Milan Valachovič
556	1.5	Iberian and Macaronesian Vegetation (SIVIM), Wetlands	EU-ES-001	Aaron Pérez-Haase
403	1.1	Lithuanian vegetation Database	EU-LT-001	Valerius Rašomavičius
338	0.9	Nenets Tundra	AS-RU-005	Igor Lavrinenko
292	0.8	Nordic-Baltic Grassland Vegetation Database	EU-00-002	Jürgen Dengler
224	0.6	Vegetation Database of Slovenia	EU-SI-001	Urban Šilc
213	0.6	Romanian Grassland Database	EU-RO-008	Eszter Ruprecht
164	0.4	Appeninian fens	none	Alessandro Petraglia
147	0.4	Vegetation Database of Ukraine and Adjacent Parts of Russia	EU-UA-006	Viktor Onyshchenko
143	0.4	Vegetation-Plot Database of the Basque Country (BIOVEG)	EU-00-011	Idoia Biurrun
133	0.4	Dutch Military Ranges Vegetation Database (DUMIRA)	EU-NL-003	Iris de Ronde
75	0.2	INBOVEG	EU-BE-002	Els De Bie
42	0.1	European Coastal Vegetation Database	EU-00-017	John Janssen
34	0.1	Ukrainian Grassland Database	EU-UA-001	Anna Kuzemko
31	0.1	CoenoDat Hungarian Phytosociological Database	EU-HU-003	János Csiky

29	0.1	Vegetation database of Habitats in the Italian Alps - HabItAlp	EU-IT-010	Laura Casella
29	0.1	Semi-natural Grassland Vegetation Database of Latvia	EU-LV-001	Solvita Rūsiņa
26	0.1	The Nordic Vegetation Database	EU-00-018	Jonathan Lenoir
18	< 0.1	VegItaly	EU-IT-001	Roberto Venanzoni
17	< 0.1	Iberian and Macaronesian Vegetation (SIVIM)	EU-00-004	Federico Fernández-González
11	< 0.1	Temperate Forests of European Russia	EU-RU-014	Larisa Khanina
11	< 0.1	Lower Volga Valley Phytosociological Database	EU-RU-002	Valentin Golub
7	< 0.1	European Boreal Forest Vegetation Database	EU-00-027	Anni Kanerva Jašková
6	< 0.1	Balkan Vegetation Database	EU-00-019	Kiril Vassilev
6	< 0.1	Vegetation Database of the Republic of Macedonia	EU-MK-001	Renata Čušterevska
6	< 0.1	Iberian and Macaronesian Vegetation (SIVIM)	EU-00-004	Xavier Font
5	< 0.1	Vegetation Plot Database - Sapienza University of Rome	EU-IT-011	Emiliano Agrillo
3	< 0.1	Vegetation Database Forest of Southern Ural	00-RU-001	Pavel Shirokikh
2	< 0.1	Swiss Forest Vegetation Database	EU-CH-005	Thomas Wohlgemuth
2	< 0.1	National Vegetation Database of Denmark	EU-DK-002	Jesper Erenskjold Moeslund
1	< 0.1	European Boreal Forest Vegetation Database	EU-00-027	Anni Kanerva Jašková
1	< 0.1	German Grassland Vegetation Database (GrassVeg.DE)	EU-DE-020	Ricarda Pätsch
1	< 0.1	Romanian Forest Database	EU-RO-007	Adrian Indreica
1	< 0.1	FloodplainMeadows	EU-GB-004	Irina Tatarenko

¹ Data package from European Mire VDB included also additional data originally used for Peterka et al. (2017; doi <https://doi.org/10.1111/avsc.12271>) and Jiroušek et al. (2020; 10.5281/zenodo.4311546), managed by Annett Schneider (database from the BMU-ICI project 'Restoring peatlands and applying concepts for sustainable management in Belarus'), Viktor Smagin, Lyuba Felbaba-Klushina, Maxim Napreenko, Predrag Lazarević and Nadezhda Goncharova.