Axmanová I., Chytrý K., Boublík K., Chytrý M., Dřevojan P., Ekrtová E., Fajmon K., Hájková P., Härtel H., Hejda M., Horáková V., Jongepier J. W., Kalníková V., Kaplan Z., Koutecký P., Lustyk P., Pergl J., Prach K., Pyšek P., Sádlo J., Vojík M. & Těšitel J. (2024) Catalogue of expansive plants of the Czech Republic. – Preslia 96: 299–327.

Supplementary Table S1. Questionnaire table with preselected list of taxa for evaluation of expansiveness (originally in Czech).

A, First page and instructions. We specifically asked all respondents to indicate which region they selected for evaluation. In case they wanted to provide data for more regions, these had to be filled separately.

Author	*Name and surname*
Region	*Number according to the map of regions*

Expansive plants

Definition: Native species, which are becoming increasingly frequent in the landscape (particularly since 1990), more abundant or dominant in the local communities.

The expansion process might occur outside or even within the original habitat. For example, *Prunus spinosa* in the South Moravia can be considered expansive in both dry grasslands and in the shrublands, where it occurs naturally.

For evaluation of the expansive character of individual species, you do not need to consider the impact of this species on the given community (impact is not a condition).

Instructions

In the sheet Main_table you need to decide for each combination of species and vegetation type whether you consider the species expansive (for the selected region).

Please fill in '1' in case you consider species to be expansive, while other combinations will be automatically taken as non-expansive (no need to fill anything).

In the case some particular species is not occurring in the selected region, please leave the field empty.

Broad habitat types which should be evaluated were defined by merging finer habitat units following Czech Catalogue of habitats (Chytrý el a. 2010, open-access version available at https://www.sci.muni.cz/botany/chytry/Chytry_etal2010_Katalog-biotopu-CR-2.pdf). The transition table is available on a separate sheet.

The list includes species based on the expert knowledge of core authors of this project. However, we expect that this preliminary selection cannot be complete. If you believe any species is missing, please add it at the end of the table and do the evaluation with respect to habitats as above.

The list is divided into two parts, first woody species (trees, shrubs) and second herbs. Species which core authors considered as markedly expansive are written in bold. However, this should only help to structure the table.

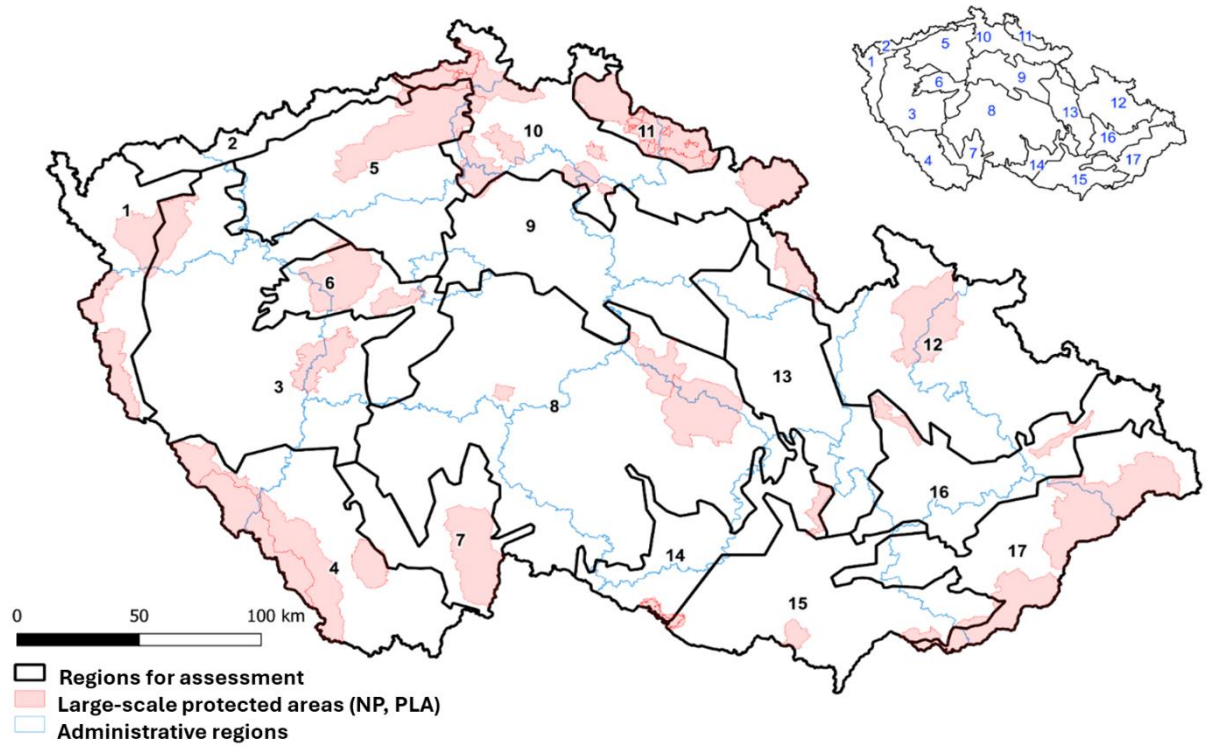
If you feel assessment of some species needs to be commented on, please add any information needed in a specific column called 'Comments', which is in the main table. For example, you can mention the impact of this species, or if there are any management actions against it.

*Although we define expansive species as native species, you can evaluate also archaeophytes for comparison of the trends (following Pyšek et al. 2012; https://www.preslia.cz/P122Pysek.pdf).

Nomenclature follows Pladias database of Czech flora and vegetation (https://pladias.cz/)

For several possible questions you can use our FAQ at the following link, as somebody might have asked before.
https://docs.google.com/document/d/1zjSn2X6OKyhPurr5EqHrtrquZpwzPXw-XUscFC9R9gk/edit?usp=sharing
Feel free to ask any further questions Irena Axmanová at the following email axmanovairena@gmail.com
We will be grateful if you will join this project and will help us with the assessment. If you plan to participate, we would appreciate your feedback with the information about which region you selected.
Please send us completed forms before **3rd September 2022**.
Thank you for your time!
Irena Axmanová, Kryštof Chytrý a Jakub Těšitel

Regions for assessment



B, Main table for evaluation. Respondents were asked to fill the 1 for each species/taxon they considered expansive in one or several broadly defined habitats. We encouraged to add species if missing and provide comments where appropriate. The information in this table was related only to the region which was indicated by the respondent on the first page of this questionnaire.

		Aquatic vegetation	Reed beds and tall sedges	Vegetation of wetland herbs	Gravel bars	Calcareous fens and springs (incl. forests)	Acidic fens and springs (incl. forests)	Rocks and screes	Alpine and subalpine low vegetation	Alpine and subalpine tall vegetation	Mesic meadows and pastures	Wet meadows	Acidophilous grasslands and heathlands	Dry grasslands	Sands	Saline habitats	Mesic and xerophilous shrub	Alder and willow cars	Ash-alder alluvial forests and riparian scrub	Hardwood alluvial forests	Oak-hornbeam forests	Ravine forests	Beech forests	Oak forests	Natural pine forests	Natural spruce forests	Anthropogenic non-forest vegetation	Anthropogenic woodlands, clearings
1	**Woody taxa**																											
2	***Acer campestre***																											
3	***Acer pseudoplatanus***																											
4	***Betula pendula***																											
5	***Carpinus betulus***																											
6	***Cornus sanguinea***																											
7	***Fagus sylvatica***																											
8	***Frangula alnus***																											
9	***Fraxinus excelsior***																											
10	***Pinus mugo***																											
11	***Prunus cerasifera****																											
12	***Prunus padus* subsp. *padus***																											
13	***Prunus spinosa***																											
14	***Rosa canina* agg.**																											
15	***Salix cinerea***																											
16	***Salix euxina***																											
17	***Sambucus nigra***																											
18	*Acer platanoides*																											
19	*Alnus glutinosa*																											
20	*Alnus incana*																											
21	*Corylus avellana*																											
22	*Ligustrum vulgare*																											
23	*Loranthus europaeus*																											
24	*Picea abies*																											
25	*Pinus sylvestris*																											
26	*Populus alba*																											
27	*Populus tremula*																											
28	*Prunus mahaleb*																											
29	*Quercus petraea*																											
30	*Salix alba*																											
31	*Salix caprea*																											
32	*Salix triandra*																											
33	*Sambucus racemosa*																											
34	*Sorbus aucuparia*																											

35	*Tilia cordata*																										
36	*Ulmus minor*																										
37	*Viscum album*																										
38	**Herbs**																										
39	***Aegopodium podagraria***																										
40	***Agrostis canina***																										
41	***Agrostis capillaris***																										
42	***Agrostis stolonifera***																										
43	***Alopecurus pratensis***																										
44	***Anthriscus sylvestris***																										
45	***Arrhenatherum elatius****																										
46	***Artemisia vulgaris***																										
47	***Avenella flexuosa***																										
48	***Bromus erectus***																										
49	***Calamagrostis canescens***																										
50	***Calamagrostis epigejos***																										
51	***Calamagrostis villosa***																										
52	***Carex acuta***																										
53	***Carex acutiformis***																										
54	***Carex brizoides***																										
55	***Carex rostrata***																										
56	***Chaerophyllum aromaticum***																										
57	***Cirsium arvense****																										
58	***Cirsium oleraceum***																										
59	***Dactylis glomerata***																										
60	***Deschampsia cespitosa***																										
61	***Elymus repens***																										
62	***Eragrostis minor****																										
63	***Festuca pratensis***																										
64	***Festuca rubra s.lat.***																										
65	***Filipendula ulmaria***																										
66	***Galium aparine***																										
67	***Geranium robertianum***																										
68	***Glyceria maxima***																										
69	***Holcus lanatus***																										
70	***Holcus mollis***																										
71	***Juncus effusus***																										
72	***Lemna minor***																										
73	***Molinia caerulea***																										
74	***Persicaria lapathifolia***																										
75	***Petasites albus***																										
76	***Petasites hybridus***																										
77	***Phalaris arundinacea***																										
78	***Phragmites australis***																										
79	***Portulaca oleracea* subsp. *oleracea****																										
80	***Potamogeton crispus***																										
81	***Rubus caesius***																										
82	***Rubus fruticosus* agg.**																										
83	***Rubus idaeus***																										
84	***Scirpus sylvaticus***																										
85	***Senecio nemorensis* agg.**																										

86	***Taraxacum* sect. *Taraxacum***																										
87	***Trifolium repens***																										
88	***Typha latifolia***																										
89	***Urtica dioica***																										
90	***Vaccinium myrtillus***																										
91	*Achillea millefolium* agg.																										
92	*Alliaria petiolate*																										
93	*Alopecurus aequalis*																										
94	*Angelica archangelica* subsp. *archangelica**																										
95	*Angelica sylvestris*																										
96	*Anthoxanthum alpinum*																										
97	*Anthoxanthum odoratum*																										
98	*Athyrium filix-femina*																										
99	*Atriplex sagittata**																										
100	*Ballota nigra*																										
101	*Batrachium rionii*																										
102	*Bidens tripartitus*																										
103	*Bistorta officinalis*																										
104	*Bolboschoenus maritimus* agg.																										
105	*Brachypodium pinnatum*																										
106	*Brachypodium sylvaticum*																										
107	*Bromus inermis*																										
108	*Calamagrostis arundinacea*																										
109	*Calystegia sepium*																										
110	*Carex buekii*																										
111	*Carex hirta*																										
112	*Carex nigra*																										
113	*Carex riparia*																										
114	*Carex vesicaria*																										
115	*Ceratophyllum demersum*																										
116	*Ceratophyllum submersum*																										
117	*Chenopodium album* agg.																										
118	*Cirsium heterophyllum*																										
119	*Clematis vitalba*																										
120	*Conium maculatum**																										
121	*Crataegus monogyna*																										
122	*Digitaria ischaemum**																										
123	*Dryopteris dilatate*																										
124	*Echinochloa crus-galli**																										
125	*Elymus caninus*																										
126	*Epilobium angustifolium*																										
127	*Eupatorium cannabinum*																										
128	*Festuca rupicola*																										
129	*Galeopsis tetrahit* agg.																										
130	*Geranium pratense*																										
131	*Geum urbanum*																										
132	*Glechoma hederacea*																										
133	*Glyceria fluitans*																										
134	*Grossularia uva-crispa*																										
135	*Hedera helix*																										
136	*Heracleum sphondylium*																										

137	*Humulus lupulus*																										
138	*Hypericum maculatum*																										
139	*Hypericum perforatum*																										
140	*Juncus bufonius*																										
141	*Lemna gibba*																										
142	*Lolium perenne*																										
143	*Lycopus europaeus*																										
144	*Lysimachia vulgaris*																										
145	*Lythrum salicaria*																										
146	*Myosotis palustris* agg.																										
147	*Myriophyllum spicatum*																										
148	*Najas marina*																										
149	*Najas minor*																										
150	*Nardus stricta*																										
151	*Nuphar lutea*																										
152	*Persicaria amphibia*																										
153	*Persicaria hydropiper*																										
154	*Plantago lanceolata*																										
155	*Poa annua*																										
156	*Poa chaixii*																										
157	*Poa pratensis* agg.																										
158	*Poa trivialis*																										
159	*Polygonum aviculare* agg.																										
160	*Potamogeton lucens*																										
161	*Potamogeton natans*																										
162	*Potentilla reptans*																										
163	*Pteridium aquilinum*																										
164	*Ranunculus repens*																										
165	*Rumex maritimus*																										
166	*Sparganium erectum*																										
167	*Spirodela polyrhiza*																										
168	*Stellaria media* agg.																										
169	*Stuckenia pectinate*																										
170	*Torilis japonica*																										
171	*Trifolium pratense*																										
172	*Tussilago farfara*																										
173	*Typha angustifolia*																										
174	*Veronica chamaedrys*																										
175	*Zannichellia palustris*																										