

ReSurveyEurope

Project Metadata Form

When contributing data to ReSurveyEurope, please fill in this form for each resurvey project and send it to Ilona Knollová (ikuzel@sci.muni.cz) together with the database. A resurvey project is understood as repeated sampling of a certain type of vegetation in a certain study area using specific methods.

- PROJECT NAME (identical with the Resurvey Project name given in the database):

NPPodyji_PloughingExp

- FULL PROJECT NAME (use if the full project name is longer than used in the database):

NP Podyjí - Influence of small-scale ploughing on the plant diversity of species-poor grasslands

- REFERENCE (publication or URL or DOI of the dataset if published online):

Vymyslický T. et al. 2024. Will small-scale ploughing increase the plant diversity of species-poor grasslands? *Folia Geobot* (2024) 59:1–16. <https://doi.org/10.1007/s12224-024-09448-7>

- DATA OWNER: person(s), institution(s):

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- METHODS (description of sampling design and methods):

Experimental small-scale ploughing was carried out in Podyjí National Park at the southern margin of Czechia on the border with Austria.
Manipulation: Two experimental ploughing treatments and a control plot without ploughing: (A) treatment with annual ploughing; (B) treatment with one-off initial ploughing (March 2019); and (C) a control treatment with no ploughing in grassland vegetation directly adjacent to the ploughed part. The vegetation at each locality was mowed once a year at the end of August.
Three permanent plots 4 m × 4 m in size were established for each of the three treatments (A1–A3: annual ploughing, B1–B3: one-off ploughing, C1–C3: no ploughing). Phytosociological plots (= relevés) were recorded each year over the period 2019–2022. The relevés were recorded twice a year, in the beginning of June and mid-August (the late spring and full summer vegetation aspects). All plant species were recorded in the plot and a nine-grade Braun-Blanquet scale was used to estimate plant species abundance.

- ENVIRONMENTAL DATA (list of environmental data measured):

- MANIPULATED PLOTS (description of the treatment if the plots were manipulated, e.g. mowing twice a year, fertilizing by NPK once a year, post-fire succession)

Two experimental ploughing treatments and a control plot without ploughing: (A) treatment with annual ploughing; (B) treatment with one-off initial ploughing (March 2019); and (C) a control treatment with no ploughing.

Brno, 2.12.2024

Martin Jiroušek

[place, date]

[owner's name]