

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):

Schynige Platte mowing and scraping experiment

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

Schynige Platte mowing and scraping experiment (Bernese mountains; Switzerland)

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

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

Steffen Boch, WSL Swiss Federal Research Institute
Markus Fischer, Institute of Plant Sciences, University of Bern

- CONTACT E-MAIL:

steffen.boch@wsl.ch, markus.fischer@ips.unibe.ch

- METHODS (description of sampling design and methods):

These are the permanently marked (belowground) 2x2 m plots of an experiment on the Schynige Platte (2000 m asl.; Bernese mountains, Switzerland). At six sites in the Alpine Gardnen Schynige Platte (Bernese mountains; Switzerland), we applied different mowing treatments in combination with a scraping treatment to remove litter and slightly disturb the topsoil, to test for effects on the diversity and composition of vascular plants over time from 2010 to 2015 (i.e. six surveys). Plots were established in a row at the same elevation on the slope at each site and had approx. 1 m buffer between them (coordinates only given for the first left plot per site). We annually sampled full species lists and percentage cover of each species. Plots with traditional land use were scythe mown once a year (with hay removal afterwards) since decades and during the experiment.

- ENVIRONMENTAL DATA (list of environmental data measured):

Vegetation cover, management

- 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)

We had five treatments per site: abandonment, only scraping in June (without mowing), mowing in September (traditional land-use regime), mowing and scraping in September, mowing in September and scraping in June

[place, date] Birmensdorf, 25 October 2021

[owner's name] Steffen Boch and Markus Fischer