

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):

ITEX Arpette

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

Alpine plots, Centre alpien de Phytogéographie

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

no

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

Jean-Paul Theurillat, Centre alpien de Phytogéographie

- CONTACT E-MAIL:

jean-paul.theurillat@flore-alpe.ch

- METHODS (description of sampling design and methods):

Purpose of the study: long-term passive warming experiment on alpine vegetation (vascular plants).

Type of vegetation: open vegetation on stabilized screes (Androsacion alpinae, Rhododendro-Vaccinion, Salicion herbaceae, Salicion helveticae).

Research area: small transect 2200-2300 m asl on a northern slope, on siliceous substrate. Location: Val d'Arpette, Valais, Switzerland (European Alps, eastern part of the Mont-Blanc massive).

Type of plots: 23 hexagonal plots, 0.935 m² (side of the regular hexagone = 60 cm) along a transect in the lower alpine zone (2218-2300 m); 8 plots warmed passively and 15 control plots.

The cover is given in percent. In the first survey, only the presence of the species is indicated. In addition to the cover, vitality is indicated with ° corresponding to a reduced vitality; height of the ligneous species is measured (dwarf shrubs, shrubs and tree species).

Cover scale: percentage

- ENVIRONMENTAL DATA (list of environmental data measured):

elevation, aspect, slope, soil temperature

- 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)
passive warming with ITEX open top chambers

[place, date] Champex-Lac, 27 June 2022

[owner's name] Jean-Paul Theurillat