

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):

Central Italy Apennines-Italy-MIUR 2005

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

- 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
Maurizio Cutini, Università Roma Tre
Michele Di Musciano, Università L'Aquila

- CONTACT E-MAIL:

jean-paul.theurillat@flore-alpe.ch

- METHODS (description of sampling design and methods):

Purpose of the study: long-term monitoring of the vegetation dynamic at different grain sizes along an elevation gradient (vascular plants).
Type of vegetation: mainly (+/- open) mesic to dry grasslands and dwarf shrubs plots, plus some shrubs and recolonizing woodlands at low elevation, and some screes in the upper part (Cytiso spinescentis-Bromion erecti, Seslerion apenninae, Daphno oleoidis-Juniperion nanae, Quercion pubescenti-petraeae, Fraxino orni-Ostryon, Geranio striati-Fagion, Berberidion vulgaris, Cytision sessilifolii, Festucion dimorphae).
Research area: Two areas, close to each other, each a 2 km wide transect along elevation, on calcareous substrate. Area 1: from 1100 to 2485 m asl on the south-western slope of the Monte Velino (Abruzzo, Central Apennines, Italy) belonging to the Sirente-Velino Regional Park. Area 2: from 1100 m to 2140 m asl on the south-western slope of the Monte Morrone (Lazio, Central Apennines, Italy) belonging the Montagne della Duchessa Regional Park.
Type of plots: 163 permanent plots 2 m x 2 m (marked in the field) that are part of nested plot design 1.56x1.56 cm, 3.12x3.12 cm, 6.25x6.25 cm, 12.5x12.5 cm, 25x25 cm, 50x50 cm, 100x100 cm, 200x200 cm, 400x400 cm, 800x800 cm, 1600x1600 cm.
Cover scale: The cover of the species follows a modified (finer) Braun-Blanquet scale.

Reference: Stanisci, A. et al. (2021). IT01-T Ecosistemi d'alta quota. In: L. Capotondi et al. (eds). *La Rete Italiana per la Ricerca Ecologica di Lungo Termine. Lo studio della biodiversità e dei cambiamenti*, pp. 65-99. Zenodo. 0.5281/zenodo.5584729.

- ENVIRONMENTAL DATA (list of environmental data measured):

elevation, aspect, slope, temperature, precipitation

- 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)

no

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

[owner's name] Jean-Paul Theurillat