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):

  MICFloG project

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

  Monitoring to unraveling impacts of Climate Change on the Mountain Flora of the Gennargentu Massif (Sardinia)

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

  Unpublished data

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

  Giuseppe Fenu, Department of Life and Environmental Sciences, University of Cagliari

- CONTACT E-MAIL:

  gfenu@unica.it

- METHODS (description of sampling design and methods):

  The project aims to monitor changes in the flora and vegetation of the Gennargentu massif in response to ongoing climate change. To achieve this goal, all areas of the massif with an altitude above 1500 m a.s.l. were selected and, by using the QGIS random points plugin, a total of 12 points were randomly identified inside this area. Permanent plots of 2 m^2 (2 × 1 m) were GPS-located in corridpondence of these points, delimited in situ with metal stakes and identified with a unique code.

  For each selected site the following environmental parameters were detected: altitude (m a.s.l.), aspect, slope, substratum, rocks percentage (%), stone percentage (%) and vegetation type.

  All vascular plant species were detected within each plot and for each of these a coverage value was given using the Braun-Blanquet scale. Vegetation sampling took place annualy between the end of July and the beginning of August late July to early August. Taxonomy of vascular plant species follows the portal to the flora of Italy (2024).

- ENVIRONMENTAL DATA (list of environmental data measured):
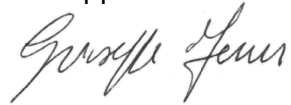 - Altitude (m a.s.l.)
  - Aspect

- Slope
- Substratum
- Rocks percentage (%)
- Stone percentage (%)
- 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)

None

Cagliari, September 25th, 2024

Giuseppe Fenu