

## ReSurveyEurope - data provision format

The format of data provision should be ideally in Turboveg 2, in which the following header-data fields are added and filled in. Using Turboveg v. 2.148 or higher versions, a database structure with these fields can be downloaded from <https://www.synbiosys.alterra.nl/turboveg/> under Database dictionaries / ReSurvey and uploaded to Turboveg using Backup/Restore / Restore. Then, when creating a new database or modifying the structure of an existing database, select ReSurvey under Database dictionary. In the existing database, new fields will be added to all vegetation plots, but the already existing extended header-data structure will not be affected. If the database already contains the fields LONGITUDE and LATITUDE, their structure (length, decimals etc.) will not be changed.

Field name	Type	Length	Decimals	Description
RS_PROJECT	C	50	0	Unique name of the resurvey project (words without diacritics), e.g. Hochberg alpine grassland
RS_SITE	C	8	0	Unique (within the project) code of the resurveyed site (numbers, letters or a combination of both); the site code is used when more than one plot was recorded at one survey time in a small area; it is used to pair observations from different times recorded at the same site
RS_PLOT	C	12	0	Unique (within the site) code of the resurveyed plot (numbers, letters or a combination of both); it is used to pair observations from different times recorded in the same plot; original surveyor plot names can be used here
RS_OBSERV	C	20	0	Unique (within the plot) code of the one-time observation (numbers, letters or a combination of both); this can be the combination of RS_PLOT and DATE (or only the year, when the record was taken)
DATE	N	8	0	Date of the record (at least year, preferably the exact date)
SURF_AREA	N	7	2	Plot size in square metres
PLOT_SHAPE	C	20	0	Description of the plot shape if not a square
LONGITUDE	N	13	8	Longitude of the plot in decimal degrees, coordinate system WGS-84; if a plot is located by a single point, this coordinate should refer to the centre of the plot; if a plot is located by coordinates for each corner, coordinate should refer to the first corner
LATITUDE	N	13	8	Latitude of the plot in decimal degrees, coordinate system WGS-84; if a plot is located

				by a single point, this coordinate should refer to the centre of the plot; if a plot is located by coordinates for each corner, coordinate should refer to the first corner
LONGITUDE2	N	13	8	Only for plots with exact coordinates of the four corners: longitude of the second corner in decimal degrees, coordinate system WGS-84
LATITUDE2	N	13	8	Only for plots with exact coordinates of the four corners: latitude of the second corner in decimal degrees, coordinate system WGS-84
LONGITUDE3	N	13	8	Only for plots with exact coordinates of the four corners: longitude of the third corner in decimal degrees, coordinate system WGS-84
LATITUDE3	N	13	8	Only for plots with exact coordinates of the four corners: latitude of the third corner in decimal degrees, coordinate system WGS-84
LONGITUDE4	N	13	8	Only for plots with exact coordinates of the four corners: longitude of the fourth corner in decimal degrees, coordinate system WGS-84
LATITUDE4	N	13	8	Only for plots with exact coordinates of the four corners: latitude of the fourth corner in decimal degrees, coordinate system WGS-84
PRECISION	N	8	0	Location uncertainty in metres; in quasi-permanent plots, the number can be larger for older plots with uncertain location (up to hundreds of meters) and smaller for newer plots with GPS-measured location
LOC_METHOD	C	20	0	Method of plot (re-)location: Permanently marked plot isolated (i.e. somewhere within the site), Marked plot in a grid (i.e. with regularly spaced neighbor plots), Location with differential GPS, Location with GPS, Location from accurate map, Location from a description, Other
MANIPULATE	C	1	0	Binary information (Y/N) about whether the plot was manipulated, either naturally (e.g. successional plots studied after disturbance) or experimentally (e.g. fertilized, mown, grazed); fill "N" for control (non-manipulated) plots from experiments.
MANIPTYPE	C	100	0	If the plot was manipulated, indicate the type of manipulation (e.g. post-fire succession, NP-fertilizing, dominant species removal)
OWNER	C	50	0	Data owner: Person, Institution
EVA_ACCESS	N	1	0	Access regime in the EVA database (Restricted, Semi-restricted or Free access)

