

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):

forestREplot

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

forestREplot - a database of forest herb layer resurvey plots

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

Verheyen K. et al. 2017. Combining Biodiversity Resurveys across Regions to Advance Global Change Research, *BioScience* 67: 73–83. <https://doi.org/10.1093/biosci/biw150>
<https://forestreplot.ugent.be/>

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

Kris Verheyen, Markus Bernhardt-Römermann on behalf of foresREplot

- CONTACT E-MAIL:

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- METHODS (description of sampling design and methods):

forestREplot is a database of forest herb layer resurvey plots, spread across the temperate zones of the globe. ForestREplot aims to assess shifts in forest plant communities around the globe.

forestREplot data fulfil the following criteria:

- Plots are located in temperate forest
- Plots are located in forest locations with a known land-use history (i.e. ancient or recent forest)
- Plots are located in semi-natural and natural forests according to the FAO definitions (e.g. exclude fertilized, heavily managed plantations)
- Number of plots and time span: about 20 plots per dataset and about 20 years between the oldest and most recent survey are the minimum requirements
- Plot size varies between 1 m² and 1000 m²
- Plots should not be pseudoreplicates, i.e. distributed over a sufficiently large area
- GPS coordinates of each plot are available

- Records of all vascular plant species (presence/absence or cover/abundance) are available for each plot; at least for the herb layer, but preferably also for the shrub and tree layers
- Between the two surveys, no human-induced conversion to stand types no longer in line with the natural or semi-natural forest criteria has taken place (e.g. clearcutting and replanting with conifers on a site naturally dominated by broadleaves)

- ENVIRONMENTAL DATA (list of environmental data measured):

- 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)

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Kris Verheyen, Markus Bernhardt-Römermann on behalf of foresREplot

Code	Project name	Country	Study type	# Observations	# Plots	Time Initial	Time end	# of Repeatings	Custodian	Deputy Custodian
forestREplot_EU_001	Gaume	BE	Semi-permanent	86	43	1953	2008	2	Kris Verheyen	Lander Baeten
forestREplot_EU_002	Binnen-Vlaanderen	BE	Semi-permanent	78	39	1980	2009	2	Lander Baeten	
forestREplot_EU_003	Zoerselbos	BE	semi-permanent	34	17	1982	2008	2	Lander Baeten	
forestREplot_EU_006	Meerdaalwoud	BE	Semi-permanent	42	21	1954	2000	2	Kris Verheyen	
forestREplot_EU_007	Florenne	BE	Semi-permanent	130	65	1957	2005	2	Hans Van Calster	
forestREplot_EU_008	Tournibus	BE	Semi-permanent	380	190	1967	2005	2	Hans Van Calster	
forestREplot_EU_009a	Dalby	SE	semi-permanent	444	74	1935	2013	6	Jörg Brunet	
forestREplot_EU_009b	Dalby	SE	semi-permanent	296	74	1976	2013	4	Jörg Brunet	
forestREplot_EU_011	Elbe-Weser	DE	semi-permanent	100	50	1986	2008	2	Monika Wulf	
forestREplot_EU_016	Göttingen, SFB	DE	permanent	84	42	1980	2001	2	Thilo Heinken	
forestREplot_EU_018	Switzerland	CH	semi-permanent	74	37	1940	1998	2	Gian-Reto Walther	
forestREplot_EU_019	Hirson	FR	semi-permanent	44	22	1956	1999	2	Guillaume Decocq	
forestREplot_EU_020	Andigny	FR	semi-permanent	38	19	1957	1996	2	Guillaume Decocq	
forestREplot_EU_023a	Echinger Lohe	DE	permanent	625	125	1986	2017	5	Markus Bernhardt-Römermann	

forestREplot_EU_023b	Echinger Lohe	DE	semi-permanent / permanent since 2003	144	48	1961	2017	3	Markus Bernhardt-Römermann	
forestREplot_EU_025	Göttingen, Carici-Fagetum	DE	semi-permanent	156	78	1960	2012	2	Wolfgang Schmidt	
forestREplot_EU_026	Göttingen, Hordelymo-Fagetum	DE	semi-permanent	70	35	1960	2009	2	Wolfgang Schmidt	
forestREplot_EU_027	Zöbelboden	AT	permanent	130	31	1993	2017	6	Thomas Dirnböck	
forestREplot_EU_030	Brandenburg	DE	permanent	256	128	1962	2012	2	Thilo Heinken	
forestREplot_EU_031	Slovakia, South-West	SK	mostly semi-permanent (a few permanent)	36	18	1966	2007	2	Frantisek Malis	
forestREplot_EU_032	Slovakia, Central	SK	mostly semi-permanent (a few permanent)	42	21	1964	2007	2	Frantisek Malis	
forestREplot_EU_033	Slovakia, North-East	SK	mostly semi-permanent (a few permanent)	44	22	1965	2006	2	Frantisek Malis	
forestREplot_EU_038	Bialowieza	PL	permanent	44	22	1966	2012	2	Bogdan Jaroszewicz	
forestREplot_EU_039	Jura	FR	permanent	328	164	1989	2007	2	Jonathan Lenoir	Guy Didier Bert
forestREplot_EU_040	Stenshuvud	SE	permanent	90	30	1988	2015	3	Jörg Brunet	
forestREplot_EU_041	Skíne	SE	Permanent	140	70	1983	2014	2	Jörg Brunet	Jörg Brunet

forestREplot_EU_042	Sonneberg	DE	semi-permanent	126	63	1961	2016	2	Markus Bernhardt-Römermann	
forestREplot_EU_043	Zselic	HU	semi-permanent	40	20	1958	2018	2	Balázs Teleki	Imre Berki
forestREplot_EU_044	Göttingen, Hünstollen	DE	permanent	441	147	1992	2012	3	Wolfgang Schmidt	
forestREplot_EU_046	Sanocko-Turczanskie Mountains	PL	semi-permanent	142	71	1972	2007	2	Tomasz Durak	
forestREplot_EU_047	Bazaltowa Mt	PL	semi-permanent	42	21	1992	2014	2	Kamila Reczynska	Krzysztof Swierkosz
forestREplot_EU_048	Buki Sudeckie beech forest	PL	semi-permanent	32	16	1990	2014	2	Krzysztof Swierkosz	Iwona Kuras
forestREplot_EU_049	Trzebnickie Hills	PL	quasi-permanent	40	20	1962	2012	2	Krzysztof Swierkosz	Pawel Pech
forestREplot_EU_050	Prignitz	DE	semi-permanent	238	119	1954	2014	2	Tobias Naaf	Jens Kolk
forestREplot_EU_051	Öland	DE	semi-permanent	102	51	1988	2014	2	Martin Diekmann	
forestREplot_EU_052	Brandenburg Nord	DE	semi-permanent	146	73	1963	2014	2	Thilo Heinken	
forestREplot_EU_053	Brandenburg Süd	DE	semi-permanent	116	58	1960	2014	2	Thilo Heinken	
forestREplot_EU_054	Unteres Spreewald-Randgebiet	DE	semi-permanent	154	77	1965	2010	2	Thilo Heinken	Gunther Klemm
forestREplot_EU_058	Compiègne forest	FR	semi-permanent	156	78	1970	2015	2	Déborah Closset-Kopp	Guillaume Decocq
forestREplot_EU_059	Bakony és Gerecse	HU	semi-permanent	40	20	1955	2016	2	Balázs Teleki	Adrienne Ortman-Ajkai
forestREplot_EU_060	Bükkalja és Dél-Cserhát	HU	semi-permanent	40	20	1953	2016	2	Balázs Teleki	Adrienne Ortman-Ajkai

forestREplot_EU_061	Gödöllöi-dombság	HU	semi-permanent	38	19	1950	2016	2	Balázs Teleki	Adrienne Ortman-Ajkai
forestREplot_EU_062	Mátra-Bükk-Zemplén	HU	semi-permanent	44	22	1958	2016	2	Balázs Teleki	Adrienne Ortman-Ajkai
forestREplot_EU_063	Orség	HU	semi-permanent	38	19	1954	2015	2	Balázs Teleki	Adrienne Ortman-Ajkai
forestREplot_EU_064	Visegrádi-hegység	HU	semi-permanent	40	20	1953	2015	2	Balázs Teleki	Adrienne Ortman-Ajkai
forestREplot_EU_065	Olszyny Niezgodzkie	PL	semi-permanent plots	32	16	1993	2013	2	Remigiusz Pielech	Marek Malicki
forestREplot_EU_066	Großer Staufenberg	DE	permanent	144	48	1988	2016	3	Wolfgang Schmidt	
forestREplot_EU_067	Riedried	DE	semi-permanent	114	57	1986	2018	2	Wolfgang Schmidt	
forestREplot_EU_068	Śnieżnik Massif	PL	semi-permanent	74	37	1955	2017	2	Kamila Reczyńska	Kamila Reczyńska
forestREplot_EU_070	Göttinger Wald (Fliehburgen)	DE	semi-permanent	180	90	1955	2019	2	Wolfgang Schmidt	
forestREplot_EU_071	N-E Puszcza Niepołomska	PL	semi-permanent	40	20	1966	2019	2	Anna Orczewska	Alina Stachurska-Swakoń
forestREplot_EU_072	Zakarpatska oblast	UA	permanent	332	166	1935	2007	2	Jan Šebesta	Tomáš Koutecký
forestREplot_EU_073	Riparian forests of the Oder Valley (near Wrocław)	PL	semi-permanent	94	47	1959	2019	2	Kamila Reczyńska, Krzysztof Świerkosz	Anna Rosińska
forestREplot_EU_075	Dolina Wapienicy (Wapienica Valley)	PL	semi-permanent	40	20	1991	2020	2	Anna Orczewska	Alina Stachurska-Swakoń
forestREplot_EU_076	Königsbuche	DE	permanent	366	122	1998	2020	3	Wolfgang Schmidt	

