

Study site	Geographic unit	Forest type (dominant trees)	Forest type codes	Time period	Number of years (n)	Plot size (ha)	Reserve size (m ²)	Species richness (n)	Total density (pairs/10 ha)	Latitude	Longitude	Coordinate system	Position	Data source
Badinský prales National Nature Reserve	Kremnické vrchy, Slovakia	Beech-fir	MF	1990-1992	3	16	300300	42	71	48.68880527	19.05223430	WGS84	reserve centroid	Kropil 1996a
Beech forest, kataster Zámurov	Slánske vrchy, Slovakia	Beech	BF	1995-1996	2	13.4	Not applicable	33	52.1	48.93303200	21.48902200	Google Mercator (modified WGS84)	centroid	Fiala 1997
Bujanovská dubina National Nature Reserve	Čierna hora, Slovakia	Oak-beech	MOF	1999-2001	3	13.1	881700	38	75.2	48.86888889	21.06713889	Google Mercator (modified WGS84)	centroid	Lešo & Kropil 2014
Burdov National Nature Reserve	Kováčkovské kopce, Slovakia	Oak-ash	MOF	1999-2000	2	14.74	3641400	39	73.3	47.82657500	18.75460167	Google Mercator (modified WGS84)	centroid	Lešo 2001
Čerňava Nature Reserve	Hostenské vrchy, Czech Republic	Beech-maple-ash-fir	MF	1988-1990	3	10	181300	27	60.5	49.37987390	17.78403360	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Dobrošský prales National Nature Reserve	Slovenské Rudohorie, Slovakia	Beech-fir-spruce	MF	1990-1992	3	24	1038500	44	62.6	48.68236019	19.68083178	WGS84	centroid	Kropil 1996b
Dolina Pięciu Stawów Polskich at Wyzina Kopa	Polish Tatras, Poland	Dwarf-pine	DP	1981-1982	1	36	Not applicable	10	12	49.21500000	20.06388889	Google Mercator (modified WGS84)	centroid	Głowaciński & Profus 1992
Dolný les National Nature Reserve	Záhorská lowland, Slovakia	Ash-willow	FF	1993, 1995	2	10.5	1862600	38	154.3	48.29900000	16.90833333	WGS84	centroid	Korňan 2011
Drieňovské National Nature Reserve	Slovenský kras, Slovakia	Beech-lime	BF	1999-2000	2	19.33	1802200	24	55.5	48.64065556	20.69323056	Google Mercator (modified WGS84)	centroid	Oleksák 2000
Forest Filena, kataster Záhlinice	Hornomoravský úval, Czech Republic	Ash-oak-poplar	FF	1978-1979	2	10	Not applicable	37	166.5	49.26980222	17.47742667	Google Mercator (modified WGS84)	centroid	Chytil 1984, 1990
Forest Malá Suchá	Tribeč, Slovakia	Oak	OF	1990-1992	3	15	Not applicable	39	84.8	48.53333333	18.41666667	not available	centroid	Kropil 1993
Kamienica river valley, plot A	Gorce Mts., Poland	Beech-fir-spruce	MF	1988	1	18	Not applicable	34	75	49.56327600	20.21009400	Google Mercator (modified WGS84)	centroid	Głowaciński 1990, 1991
Kamienica river valley, plot B	Gorce Mts., Poland	Fir-spruce-beech	MF	1988	1	25	Not applicable	22	30.7	49.55691700	20.19871400	Google Mercator (modified WGS84)	centroid	Głowaciński 1990, 1991
Kamienica river valley, plot C	Gorce Mts., Poland	Fir-spruce-beech	MF	1988	1	25	Not applicable	28	40	49.56022500	20.20215300	Google Mercator (modified WGS84)	centroid	Głowaciński 1990, 1991
Kašiarová National Nature Reserve	Štiavnické vrchy, Slovakia	Oak	OF	1991-1992	2	14	498000	32	82.3	48.46894616	18.77563151	WGS84	centroid	Kropil 1993
Knehyně-Čertuv mlyn National Nature Reserve, north-east part of Čertuv mlyn-Magurka; plot A	Moravskoslezské Beskydy, Czech Republic	Beech-maple-spruce	MF	1989-1991	3	10	1975900	31	54	49.48421917	18.31079417	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Knehyně-Čertuv mlyn National Nature Reserve, north-east part of Čertuv mlyn; plot B	Moravskoslezské Beskydy, Czech Republic	Spruce-beech-maple	MF	1902-1994	3	10	1975900	25	59.4	49.48755080	18.30509810	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Knehyně-Čertuv mlyn National Nature Reserve, north-west and south-east part of Knehyně; plot C	Moravskoslezské Beskydy, Czech Republic	Spruce-beech	MF	1984-1986	3	10	1975900	17	44.2	49.49668580	18.31212330	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Knehyně-Čertuv mlyn National Nature Reserve, south-western part of Čertuv mlyn; plot D	Moravskoslezské Beskydy, Czech Republic	Beech-spruce	MF	1984-1992	9	10	1975900	33	56.4	49.48421940	18.29969070	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Kokošovská dubina National Nature Reserve	Slánske vrchy, Slovakia	Oak-beech	MOF	1999-2001	3	15	200000	39	89.3	48.95666667	21.35876667	Google Mercator (modified WGS84)	centroid	Lešo & Kropil 2014
Lipówka Nature Reserve	Niepolomice Forest, Poland	Oak-hornbeam	FF	1967-1970	4	12.25***	257300	41	91	50.08904000	20.37318500	Google Mercator (modified WGS84)	centroid	Głowaciński 1978
Malé Brdo Nature Reserve	Slánske vrchy, Slovakia	Oak	OF	1999-2001	3	15.7	558300	39	81.1	48.80756389	21.50121667	Google Mercator (modified WGS84)	centroid	Lešo & Kropil 2014
Morské Doko	Polish Tatras, Poland	Dwarf-pine	DP	1981-1982	1	30	Not applicable	17	17.4	49.20583333	20.06666667	Google Mercator (modified WGS84)	centroid	Głowaciński & Profus 1992
Osobitá National Nature Reserve, plot A	Západné Tatry, Slovakia	Beech-spruce-fir	MF	2004-2006	3	12	4579800	38	64.6	49.27390000	19.43483333	Google Mercator (modified WGS84)	centroid	Baláš & Kocian 2006
Osobitá National Nature Reserve, plot B	Západné Tatry, Slovakia	Spruce-dwarf-pine-rovran	TL	2004-2006	3	8.5	4579800	39	57.8	49.26823333	19.72320000	Google Mercator (modified WGS84)	centroid	Baláš 2008
Ostrov orliaka morského National Nature Reserve	Danubian Basin, Slovakia	Willow-poplar	FF	1991, 1993-1997, 2010-2011, 2013	9	10	227700	22, 34, 36	97.0, 159.4, 134.0	47.87813889	17.49991667	WGS84	centroid	Bohuš et al. 1999, Bohuš 2013
Pod Laborskou holiou National Nature Reserve	Nízke Tatry, Slovakia	Beech-spruce-fir	MF	1999-2001	3	20	1612342	37	63.3	48.90288889	19.39775000	Google Mercator (modified WGS84)	centroid	Cefuch & Kropil 2004
Razula National Nature Reserve	Javorník, Czech Republic	Beech-fir-spruce	MF	1978-1990	13	23.2	232000	36*	50.8	49.35996690	18.38221690	Google Mercator (modified WGS84)	centroid	Pavelka J. et al. 1991, Pavelka J. 1991
Roháčske plesá National Nature Reserve	Západné Tatry, Slovakia	Dwarf-pine	DP	1995-2005, 2007	12	37.5	4516600	31	11.7	49.20854444	19.74488056	Google Mercator (modified WGS84)	centroid	Kocian et al. unpubl.
Rybl Stream	Polish Tatras, Poland	Spruce	SF	1981-1982	2	13.5	Not applicable	25	36.3	49.21388889	20.08333333	Google Mercator (modified WGS84)	centroid	Głowaciński & Profus 1992
Salaška National Nature Reserve	Moravskoslezské Beskydy, Czech Republic	Beech-fir-spruce	MF	1983-1992	10	21.95	219500	40	47.7	49.40134310	18.41805830	Google Mercator (modified WGS84)	centroid	Pavelka K. unpubl.
Strážyska Valley	Polish Tatras, Poland	Beech-fir-spruce	MF	1981-1982	2	10	Not applicable	38	68.2	49.27472222	19.93194444	Google Mercator (modified WGS84)	centroid	Głowaciński & Profus 1992
Šrámková National Nature Reserve	Malá Fatra, Slovakia	Beech-fir-spruce	MF	1997-2006	10	27.5	7733000**	53	59.45	49.19030800	19.10890500	Google Mercator (modified WGS84)	centroid	Korňan 2004, 2013
Šúr National Nature Reserve, forest edge	Danubian Basin, Slovakia	Alder-elm	FF	1995	1	16	6549590	50	213.7	48.24375000	17.24508333	WGS84	centroid	Korňan 2009b
Šúr National Nature Reserve, forest interior	Danubian Basin, Slovakia	Alder	FF	1992-1993, 1995	3	16	6549590	42	125.2	48.24188889	17.24075000	WGS84	centroid	Korňan 2009a
Šútovská dolina National Nature Reserve	Malá Fatra, Slovakia	Beech-spruce-fir	MF	2000-2002	3	20	7733000**	49	54.23	49.18852778	19.09180556	WGS84	centroid	Korňan & Adamík 2014
Veľká Stožka National Nature Reserve	Muránska planina, Slovakia	Fir-beech-larch	MF	1999-2001	3	20.36	2592100	40	37.9	48.77951140	19.94893330	Google Mercator (modified WGS84)	centroid	Pochopová & Kropil 2002
Zadná Poľana National Nature Reserve	Poľana, Slovakia	Spruce	SF	1991-1992	2	18	8554941	33	52.7	48.64239143	19.48790925	WGS84	centroid	Kropil 1993

Supplement 1. Characteristics of the census plots within the primeval and natural forests of the Western Carpathians from Slovakia, Czechia and Poland. We present information on orographic units, forest types, elevations, census time periods, plot sizes, reserve sizes, species richness, plot latitude and longitude, geographic coordinate systems, positions of geographic coordinate measurements and the literature citations on data (see Supplement 2 for references).

Legend:

- * Birds of prey, owls, storks and corvids were not censused.
- ** Šrámková and Šútovská dolina NNRs form one compact unit, thus their areas are summed.
- *** Birds were censused on two spatial scales 12 and 25 ha.
- BF – beech forests
- FF – floodplain and wet lowland forests
- DP – dwarf pine communities
- MF – mixed (deciduous and coniferous trees) forests
- MOF – mixed (admixture of other deciduous genera) oak forests
- OF – oak forests
- TL – upper timber line forest
- SF – spruce forests