Supplementary material to

Dengler, J., Jansen., F., … & Gillet, F. (2023) Ecological Indicator Values for Europe (EIVE) 1.0. *Vegetation Classification and Survey*.

Supplementary material 1. Detailed overview of the 31 ecological indicator value systems (EIVs) used to derive the Ecological Indicator Values of Europe (EIVE) 1.0.

EIVE code	EIVE name	Country or region	Reference(s)	# of vascular plant taxa	Area [km2]	log10(Area)	EIVE systems with overlapping territories (apart from systems for species subsets)	Habitat subset of species	Approximate fraction of all species in the area	Adjustment for multiple assessments	Adjusted log10(Area)	Proposed weighting factor	Multiple indicators values	Reason for multiple assessments	Handling	M min	M max	Equalizing M values	M levels present (after equalizing)	M min, rescaled	M max, rescaled	M amplitude coding	R min	R max	R levels present	R min, rescaled	R max, rescaled	R amplitude coding	N min	N max	N levels present	N min, rescaled	N max, rescaled	N amplitude coding	T min	T max	T levels present	T min, rescaled	T max, rescaled	T amplitude coding	L min	L max	L levels present	L min, rescaled	L max, rescaled	L amplitude coding
#A	Alps	Switzerland + entire Alps	Graf (unpubl.), updated and agumented from Landolt et al. (2010)	6470	239’285	5.4	AT, DE, FR, IT, SI	All	100%	59%	5.1	3.1				1	5	No	9	0.9	10	I, II, x	1	5	5	0	10	I, II, x	1	5	5	0	10	I, II, x	1	5	9	0	7.3	I, II, x	1	5	5	0	10	I, II, x
AT	Austria	Austria	Englisch & Karrer (unpubl.), updated and augmented from Englisch & Karrer (2001)	3253	83’879	4.9	#A, AT2, DE	All	100%	52%	4.6	2.6	x	Different layers of woody species	Herb layer retained	1	12	No	12	0.9	10	I, x	1	9	9	0	10	I, x	1	9	9	1	9	I, x	1	9	9	0	7.3	I, x	1	9	9	0	10	I, II, x
AT2	Austria_Pannonian	Austria: wider surroundings of Vienna	Starmühlner & Ehrendorfer (1971)	954	11’300	4.1	AT	All	100%	50%	3.8	1.7				1	6	No	6	0.9	10	range*	1	5	5	0	10	range*	1	3	3	0	10	range*	1	3	3	2.3	7.3	range*	1	3	3	0	10	range*
#B	British_Isles	United Kingdom + Ireland	Hill et al. (2004)	1867	312’768	5.5		All	100%	100%	5.5	3.5				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	NA	NA	NA	NA	NA	NA	1	9	8	0	10	NA
CZ	Czech_Republic	Czech Republic	Chytrý et al. (2018)	2972	78’871	4.9	DE	All	100%	45%	4.6	2.5				1	11	11 = 12	11	0.9	10	I, II	1	9	9	0	10	I, II	1	9	9	0	10	I, II	1	9	9	0	7.3	I, II	1	9	9	0	10	I, II
#C	Czechoslovakia_Ambros	Czech Republic + Slovakia	Ambros (1986)	587	127’906	5.1		Forests	25%	66%	4.9	2.9				1	5	No	5	0.9	10	NA	1	5	5	0	10	NA	NA	NA	NA	NA	NA	NA	1	5	5	0	7.3	NA	1	5	5	0	10	NA
#C2	Czechoslovakia_Jurko	Czech Republic + Slovakia	Jurko (1990)	2445	127’906	5.1		All	100%	100%	5.1	3.1				1	6	6a = 6b	10	0.9	10	range**	1	5	9	0	10	range**	1	5	9	0	10	range**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
##	European_Mires	Europe	Hájek et al. (2020)	1771	10’180’000	7.0		Mires	10%	100%	7.0	5.0				1	11	11 = 12	10	0.9	10	range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FO	Faroer	Faroe Islands	Lawesson et al. (2003)	126	1’399	3.1		All	100%	100%	3.1	1.1				1	11	11 = 12	3	0.9	10	I, x	1	9	3	0	10	I, x	1	9	2	0	10	I, x	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FR	France	France: European part	Julve (2022)	6166	551’695	5.7	#A	All	100%	96%	5.7	3.7				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	1	9	9	0	8.6	NA	1	9	9	0	10	NA
GE	Georgia	Georgia: Kazbegi district	Nakhutsrishvili & Batastsahvili (unpubl.), updated and augmented from Sakhokia & Khutsishvili (1975) and Nakhutsrishvili et al. (2017)	1116	1’082	3.0		All	100%	100%	3.0	1.0				1	6	No	6	0.9	10	I, x	1	5	5	0	10	NA	1	5	5	0	10	NA	1	5	5	0	7.3	NA	1	5	5	0	10	NA
DE	Germany	Germany + adjacent regions	Ellenberg et al. (1991)	3405	436’840	5.6	#A, AT, CZ, DE2, PL	All	100%	80%	5.5	3.5				1	11	11 = 12	11	0.9	10	I, II, x	1	9	9	0	10	I, II, x	1	9	9	0	10	I, II, x	1	9	9	0	7.3	I, II	1	9	9	0	10	I, II
DE3	Germany_Dierschke	Germany + adjacent regions	Dierschke & Briemle (2002)	399	436’840	5.6		Grasslands	15%	100%	5.6	3.6				1	11	11 = 12	8	0.9	10	I, x	1	9	9	0	10	I, x	1	9	9	0	10	I, x	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DE2	Germany_GDR	Germany: former GDR	Frank & Klotz (1990)	1719	108’333	5.0	DE	All	100%	50%	4.7	2.7				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	1	9	9	0	7.3	NA	1	9	9	0	10	NA
GR	Greece	Greece: South Aegean region	Böhling et al. (2002)	2400	10’417	4.0		All	100%	100%	4.0	2.0				1	11	11 = 12	11	0	10	I, II, x	1	9	9	0	10	#, I, x	1	9	9	0	10	I, x	1	9	9	5	10	#, I, II	1	9	8	0	10	I, x
HU	Hungary_Borhidi	Hungary	Borhidi (1995)	2088	93’030	5.0	HU2, HU3	All	100%	33%	4.5	2.5				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	0	8	9	0	7.3	NA	1	9	9	0	10	NA
HU2	Hungary_Soo	Hungary	Soó (1980)	2159	93’030	5.0	HU, HU3	All	100%	33%	4.5	2.5				1	5	No	9	0.9	10	I, x	1	5	9	0	10	I, x	1	5	9	0	10	I, x	1	5	9	0	7.3	I, x	NA	NA	NA	NA	NA	NA
HU3	Hungary_Zolyomi	Hungary	Zólyomi et al. (1967)	1243	93’030	5.0	HU, HU2	All	100%	33%	4.5	2.5				0	11	No	12	0.9	10	NA	1	5	5	0	10	I, x	NA	NA	NA	NA	NA	NA	NA	1	7	6	0	7.3	I, x	NA	NA	NA	NA	NA	NA
IT	Italy	Italy	Guarino (unpubl.), updated from Pignatti et al. (2005), Guarino et al. (2012), Domina et al. (2018) and Pignatti et al. (2017–2019)	5585	301’230	5.5	#A	All	100%	88%	5.4	3.4				1	11	11 = 12	11	0	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	1	12	12	0	10	NA	1	9	9	0	10	NA
NL	Netherlands	Netherlands	Netherlands Central Bureau of Statistics (1993)	1570	41’865	4.6		All	100%	100%	4.6	2.6				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	1	9	9	0	7.3	NA	1	9	9	0	10	NA
PL	Poland	Poland	Zarzycki (1984), Zarzycki et al. (2002)	2209	312’696	5.5	DE2	All	100%	97%	5.5	3.4				1	6	No	7	0.9	10	range**	1	5	6	0	10	range**	1	5	8	0	10	range	1	5	8	0	7.3	range**	1	5	7	0	10	range**
RO	Romania	Romania	Bita-Nicolae & Sanda (2011)	3620	238’397	5.4		All	100%	100%	5.4	3.3				1	6	No	11	0.9	10	NA	1	5	9	0	10	NA	NA	NA	NA	NA	NA	NA	NA	1	5	9	0	7.3	NA	NA	NA	NA	NA	NA	NA
RS	Serbia	Serbia	Kojić et al. (1997)	2215	88’361	4.9		All	100%	100%	4.9	2.9				1	6	6 = 7	6	0.9	10	NA	1	5	5	0	10	NA	1	5	5	0	10	NA	1	5	5	0	7.3	NA	1	5	5	0	10	NA
SI	Slovenia	Slovenia	Košir (1992)	683	20’271	4.3	#A	Forests	30%	100%	4.3	2.3	x	Different soil types	Averaged	1	11	No	6***	0.9	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ES	Spain_Asturias	Spain: Asturias	Mayor López (1999)	1842	10’604	4.0	ES2	All	100%	83%	3.9	1.9				1	5	No	5	0.9	10	I, x	1	5	5	0	10	I, x	1	5	5	0	10	I, x	1	5	5	0	7.3	I, x	1	5	5	0	10	NA
ES2	Spain_Cantabria	Spain: Cantabrian Mountains	Jiménez-Alfaro et al. (2021)	1888	15’000	4.2	ES	All	100%	88%	4.1	2.1				1	11	11 = 12	11	0.9	10	NA	1	9	9	0	10	NA	1	9	9	0	10	NA	1	9	9	0	7.3	NA	1	9	8	0	10	NA
SE3	Sweden	Sweden	Tyler et al. (2021)	2422	450’295	5.7		All	100%	100%	5.7	3.6				1	12	No	12	2.7	10	NA	1	8	8	0	10	NA	1	9	9	0	10	NA	18	1	18	0	7.3	NA	1	7	7	0	10	NA
SE	Sweden_Diekmann	Sweden: Hemiboreal zone	Diekmann (1995)	34	100’000	5.0		Forests	5%	100%	5.0	3.0				1	11	11 = 12	6	0.9	10	I, x	1	9	6	0	10	I, x	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	9	6	0	10	I, x
UA	Ukraine	Ukraine	Didukh (unpubl.), updated from Didukh (2011)	3326	603’628	5.8	RU, RU2	All	100%	45%	5.4	3.4				1	23	No	23	0	10	range	1	15	15	0	10	range	1	11	11	0	10	range	1	17	17	0	10	range	1	9	9	0	10	range
RU2	USSR_Ramensky	Russia: European part	Ramensky (1956)	1359	5’242’700	6.7	RU, UA	All	100%	79%	6.6	4.6	x	Different vegetation zones, soil types and cover values	Averaged	1	120	No	120	0	10	range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RU	USSR_Tsyganov	Russia: Hemiboreal zone	Tsyganov (1983)	2122	800’000	5.9	RU2, UA	All	100%	47%	5.6	3.5				1	23	No	23	0	10	range	1	13	13	0	10	range	1	11	11	0	10	range	1	17	17	0	10	range	1	9	9	10	0	range

* In the source there are single values, ranges and "x", all of which are now unified to ranges in the logic of the source

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*** The nonlinear system of Ia - VI was replaced with the approximate values of Ellenberg et al. (1991), i.e. 2-8. Note that IV and VI both stand for "very wet" and have been replaced with 8 accordingly