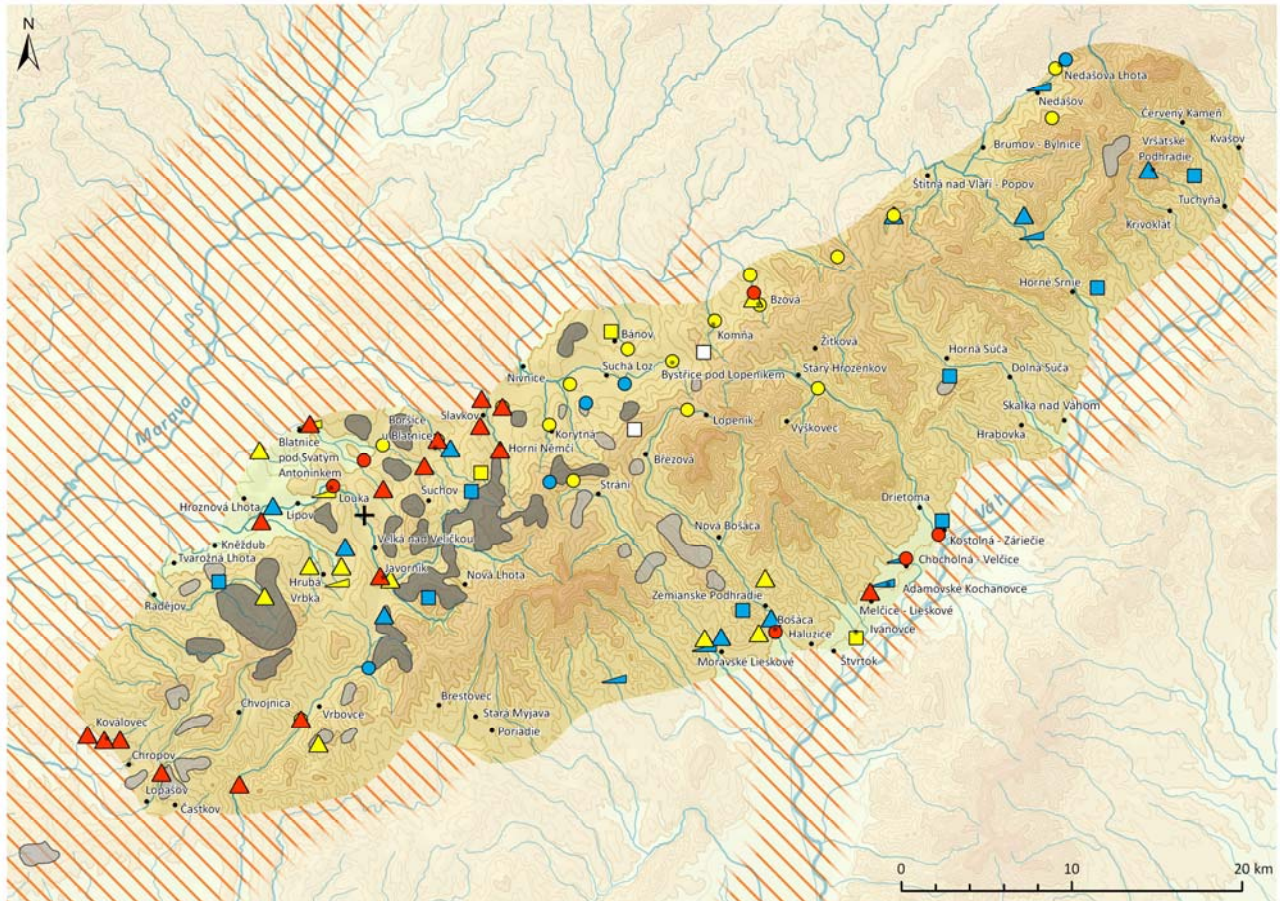


Electronic Appendix 1. – A detailed map of the distribution of *Brachypodio pinnati-Molinietum arundinaceae* grasslands (grey segments) and prehistoric archeological records from the Neolithic to Bronze Age (various symbols). Distribution of *Brachypodio-Molinietum* grasslands is based on both historical data (Sillinger 1929) and the analysis of databased vegetation plots (see Materials and Methods for details). Darker grey colour of the segments indicates the presence of at least one plant species with a disjunct distribution listed in Table 1. Archaeological data are classified into four categories of settlement type using different symbols and three categories of age using different coloured symbols. Settlement type: square – fortified hilltop settlement; triangle – other settlement; scalene triangle – burial place; small circle – fragmentary record. Age: red – Neolithic; yellow – Eneolithic; blue – Bronze Age; white – exact age unknown. When archaeological sites provide evidence for various periods, only the oldest record was mapped. Only the territories of the Bílé Karpaty geological unit and the klippen belt were mapped. Hatching indicates neighbouring lowlands along the Morava, Olšava, Myjava and Váh rivers with well-documented intense prehistoric settlement. See Appendix 2 for complete list of archaeological records in all prehistoric periods in a wider territory. Cross indicates location of the analyzed sediment.



Electronic Appendix 2. – A list of the archaeological records from the study area. The table summarises all extracted archaeological records for the Bílé Karpaty Mts and neighbouring regions. Adjacent lowlands with well-documented prehistoric settlement are not considered. In Fig. 1 and Appendix 1, only sites belonging to the Bílé Karpaty geological unit and the klippen belt (corresponding to the distribution of *Brachypodio-Molinietum* grasslands) are mapped. The most important references are given below the table. Abbreviations: SK – Slovakia; CZ – Czech Republic; LW – Linear Ware culture; MPW – Moravian Painted Ware culture; Eneolithic – Eneolithic settlement; both Early- and Late Eneolithic are divided into earlier (I) and later (II) periods; CW – Corded Ware culture; Bronze – Bronze Age settlement; Hallstatt – Hallstatt period settlement; La-Tène – La-Tène period settlement; ? – record of uncertain age. Coordinates are approximate in some cases.

Recent village name, site name	Longitude	Latitude	Records and remarks
Neolithic: settlements			
Blatnice, no. 187 (CZ)	48°56'54"	17°28'18"	LW
Bojkovice, Koráb (CZ)	49°02'00"	17°48'20"	LW, Middle Eneolithic, La-Tène
Boršice u Blatnice, Mezipotočí (CZ)	48°55'26"	17°33'44"	LW
Boršice u Blatnice, NE (CZ)	48°56'15"	17°34'25"	LW?
Horní Němčí, W (CZ)	48°55'52"	17°37'23"	LW
Hroznová Lhota, Čtvrtky, Za hřbitovem (CZ)	48°53'52"	17°25'49"	LW, MPW, Bronze Age, Hallstatt, La-Tène
Koválovec (SK)	48°47'15"	17°17'10"	
Koválovec (SK)	48°47'04"	17°18'43"	
Koválovec (SK)	48°47'04"	17°17'57"	
Lopašov (SK)	48°45'59"	17°20'39"	
Melčice, Na Stráni (SK)	48°50'57"	17°54'54"	
Nivnice, Nivnické čtvrtky (CZ)	48°57'14"	17°37'35"	LW, Early (I) Eneolithic (MPW), Late (II) Eneolithic, CW battle-axe, Bronze Age, La-Tène
Rudimov (CZ)	49°04'23"	17°49'09"	From LW to La-Tène
Slavkov, Podluží (CZ)	48°57'30"	17°36'35"	LW, Early (II) Eneolithic, La-Tène
Slavkov, Záhumenice (CZ)	48°56'39"	17°36'29"	LW, Bronze Age
Sobotiště (SK)	48°45'32"	17°24'21"	
Unín, Zámčisko (SK)	48°44'40"	17°16'44"	
Velká, Nad hřádkem (CZ)	48°52'00"	17°31'26"	LW?
Velká, Úlehla (CZ)	48°54'45"	17°31'43"	LW?
Vrbovce, Pod Hájom (SK)	48°47'32"	17°27'25"	LW?
Neolithic: fragmentary records			
Blatnička, Padělíky (CZ)	48°55'41"	17°30'50"	
Bošáca, village (SK)	48°49'27"	17°50'35"	
Bzová, Za Výpustí (CZ)	49°00'34"	17°49'52"	
Chocholná (SK)	48°51'58"	17°56'41"	
Kostolná (SK)	48°52'41"	17°58'17"	
Louka (CZ)	48°54'54"	17°29'19"	
Pitín, stadion (CZ)	49°02'11"	17°51'17"	
Eneolithic: fortified/unfortified hilltop settlements			
Bánov, Hrad (CZ)	48°59'31"	17°42'56"	Late (I) Eneolithic, Bronze Age
Bojkovice, Nový Světlov (CZ)	49°02'02"	17°48'02"	Eneolithic?
Dolné Srnie – Hradisko (SK)	48°48'19"	17°50'07"	Late Eneolithic, Bronze Age
Ivanovce, Skala (SK)	48°49'31"	17°54'08"	Middle and Late (I) Eneolithic, Bronze Age, La-Tène
Slavkov, Kamenný Čupek (CZ)	48°55'10"	17°36'26"	Late (I) Eneolithic, La-Tène
Záhorovice, Valy (CZ)	49°00'23"	17°47'00"	Early (I) Eneolithic (MPW)
Eneolithic: other settlements			
Bojkovice, Koráb (CZ)	49°02'00"	17°48'20"	LW, Middle Eneolithic, La-Tène
Bošáca, Kopce (SK)	48°51'30"	17°49'54"	Late (I) Eneolithic, ? Bronze Age
Bošáca, Pohančenišča (SK)	48°49'14"	17°49'45"	Late (I) Eneolithic, Bronze Age, La-Tène
Bzová, Zápotočí (CZ)	49°00'23"	17°49'49"	Probable settlement, Eneolithic?
Hroznová Lhota, Čtvrtky, Za hřbitovem (CZ)	48°53'52"	17°25'49"	LW, MPW, Bronze Age, Hallstatt, La-Tène
Hrubá Vrbka, Zábařinčí (CZ)	48°52'21"	17°29'35"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Kněždub, Vojšice (CZ)	48°51'29"	17°25'52"	LW?, Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Malá Vrbka, Sedliště (CZ)	48°52'24"	17°28'04"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Moravské Lieskové, St. Pivovar (SK)	48°49'40"	17°46'47"	Late (I) Eneolithic
Nivnice, Nivnické čtvrtky (CZ)	48°57'14"	17°37'35"	LW, Early (I) Eneolithic (MPW), Late (II) Eneolithic, CW battle-axe, Bronze Age, La-Tène
Rudimov (CZ)	49°04'23"	17°49'09"	From LW to La-Tène

Slavkov, Podluží (CZ)	48°57'30"	17°36'35"	LW, Early (II) Eneolithic, La-Tène
Tasov, Pod Radošovem (CZ)	48°56'06"	17°25'50"	Early (I) Eneolithic (MPW), Late (II) Eneolithic (solitary record of CW battle-axe), La-Tène
Velká nad Veličkou, obec (CZ)	48°51'53"	17°31'55"	Early (I) and Middle Eneolithic
Vrbovce, U Povalačov (SK)	48°46'45"	17°28'13"	LW?
Eneolithic: burial sites			
Blatnice, Humna (CZ)	48°56'54"	17°28'18"	Late (II) Eneolithic
Kuželov (CZ)	48°51'50"	17°29'22"	Late (II) Eneolithic
Louka, Vyšénky (CZ)	48°54'40"	17°28'52"	Late (II) Eneolithic (? – solitary grave)
Eneolithic: fragmentary records			
Bánov, east (CZ)	48°58'57"	17°43'42"	CW battle-axe
Blatnička (CZ)	48°56'09"	17°31'46"	Lydit axe, Eneolithic
Bojkovice, Roviny (CZ)	49°02'37"	17°49'50"	CW battle-axe
Boršice u Blatnice (CZ)	48°56'15"	17°34'25"	Location unknown, battle-axe
Bystřice pod Lopeníkem (CZ)	48°58'30"	17°45'49"	Location unknown
Bzová, Trávníky (CZ)	49°00'11"	17°50'07"	Lydit axe, Eneolithic
Komňa, obec (CZ)	48°59'44"	17°47'56"	Location unknown
Korytná, č.p. 185 (CZ)	48°56'37"	17°39'48"	
Krhov, Vápenice (CZ)	49°01'08"	17°49'43"	Eneolithic (copper axe)
Lopeník (CZ)	48°56'56"	17°46'28"	Location unknown, CW battle-axe
Nedašov, Šumlatová (CZ)	49°05'44"	18°04'32"	Lydit axe, Late Eneolithic
Nedašova Lhota (CZ)	49°07'19"	18°04'48"	Lydit axe, Eneolithic
Nivnice, Nivnické čtvrtky (CZ)	48°57'14"	17°37'35"	LW, Early (I) Eneolithic (MPW), Late (II) Eneolithic, CW battle-axe, Bronze Age, La-Tène
Pitín, Staviska (CZ)	49°02'16"	17°50'55"	Axe, Eneolithic
Poteč (CZ)	49°09'16"	18°02'03"	Lydit axe, Eneolithic
Slavičín (CZ)	49°05'16"	17°50'42"	CW battle-axe
Starý Hrozenkov (CZ)	48°57'28"	17°52'46"	Early (I) Eneolithic (MPW)
Strání, ovčín (CZ)	48°54'49"	17°40'52"	CW battle-axe
Suchá Loz – Volenov (CZ)	48°57'53"	17°40'52"	CW battle-axe
Šanov, Klemůvka (CZ)	49°01'36"	17°53'57"	Axe, Eneolithic
Štítina n. Vl., Valentovy paseky (CZ)	49°02'51"	17°56'44"	Stone axe – Eneolithic, Bronze Age
Vlachovice, Ďulův kopec (CZ)	49°07'33"	17°56'20"	Stone arrow – Early (II) Eneolithic?, Bronze Age
Vrbovce (SK)	48°47'32"	17°27'25"	Exact location unknown, perhaps also Neolithic, Eneolithic
Bronze Age: fortified/unfortified hilltop settlements			
Bánov, Hrad (CZ)	48°59'31"	17°42'56"	Late (I) Eneolithic, Bronze Age
Bohuslavice n. Vl., Vyšehrad (CZ)	49°04'38"	17°55'42"	Bronze Age
Boršice u Blatnice, Lipinka (CZ)	48°54'35"	17°35'56"	Bronze Age, Hallstatt
Dolná Súča (SK)	48°57'42"	17°59'07"	
Dolné Srnie, Hradisko (SK)	48°48'19"	17°50'07"	Late Eneolithic, Bronze Age
Horné Srnie, Ostrá hora (SK)	49°00'18"	18°06'23"	
Ivanovce, Skala (SK)	48°49'31"	17°54'08"	Middle and Late (I) Eneolithic, Bronze Age, La-Tène
Javorník, Hradisko (CZ)	48°51'17"	17°33'43"	Bronze Age, Hallstatt
Kněždub, Šumárník (CZ)	48°52'00"	17°23'41"	Bronze Age, Hallstatt
Kostolná (SK)	48°53'07"	17°58'29"	
Mikušovce (SK)	49°03'43"	18°11'16"	
Unín – Zámčisko (SK)	48°44'07"	17°15'08"	
Zemianske Podhradie (SK)	48°50'32"	17°48'45"	? Late (I) Eneolithic, Bronze Age, Hallstatt, La-Tène
Bronze Age: other settlements			
Bojkovice, Losky (CZ)	49°02'37"	17°49'17"	
Boršice u Bl., Žufanova víčka (CZ)	48°55'58"	17°35'00"	Settlement?
Bošáca, Pohančenišča (SK)	48°49'14"	17°49'45"	Late (I) Eneolithic, Bronze Age, La-Tène
Bošáca, Zábřežská (SK)	48°50'38"	17°48'58"	Bronze Age
Bylnice, Pod Okrouhlou (CZ)	49°02'41"	18°03'00"	Settlement?
Hroznová Lhota, Čtvrty, Za hřbitovem (CZ)	48°53'52"	17°25'49"	LW, MPW, Bronze Age, Hallstatt, La-Tène
Hrubá Vrbka, Zábařinčí (CZ)	48°52'21"	17°29'35"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Javorník, Dúhé (CZ)	48°50'46"	17°31'34"	? Late Eneolithic, Early Bronze Age
Kněždub, Vojšice (CZ)	48°51'29"	17°25'52"	LW?, Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Malá Vrbka, Sedliště (CZ)	48°52'24"	17°28'04"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Moravské Lieskové, village (SK)	48°49'40"	17°46'47"	Bronze Age

Nivnice, Nivnické čtvrtky (CZ)	48°57'14"	17°37'35"	LW, Early (I) Eneolithic (MPW), Late (II) Eneolithic, CW battle-axe, Bronze Age, La-Tène
Rudimov (CZ)	49°04'23"	17°49'09"	From LW to La-Tène
Štítná n. Vl., Valentovy paseky (CZ)	49°02'51"	17°56'44"	Eneolithic, Bronze Age – settlement?
Tasov, Mezipotoky (CZ)	48°54'20"	17°26'24"	Bronze Age, Hallstatt
Trenčianske Bohuslavice (CZ)	48°48'18"	17°47'50"	? Late Eneolithic, Bronze Age
Velká nad Veličkou, Padělky (CZ)	48°52'57"	17°29'48"	
Vršatec, hrad (SK)	49°03'57"	18°09'04"	
Bronze Age: burial sites			
Adamovské Kochanovce (SK)	48°51'13"	17°55'31"	Bronze Age
Bohuslavice nad Vlárí (CZ)	49°05'38"	17°55'49"	Bronze Age
Chocholná (SK)	48°51'57"	17°56'21"	Bronze Age
Lubina, Nehvanec (SK)	48°48'29"	17°42'30"	Bronze Age
Moravské Lieskové, Kožová (SK)	48°48'57"	17°47'26"	Bronze Age
Nedašov (CZ)	49°06'45"	18°03'58"	Burial site?
Sidonie, Krajníky (CZ)	49°02'02"	18°03'20"	Bronze Age
Vlachovice, Ďulův kopec (CZ)	49°07'33"	17°56'20"	Stone arrow – Early (II) Eneolithic?, Bronze Age
Bronze Age: fragmentary records			
Bystřice pod Lopeníkem (CZ)	48°58'30"	17°45'49"	Location unknown, drilled antler
Horní Němčí, silnice na Javořinu (CZ)	48°54'48"	17°39'43"	Bronze axe
Javorník, Šance (CZ)	48°49'06"	17°30'44"	Bronze axe
Louka (CZ)	48°54'54"	17°29'19"	Location unknown
Nedašova Lhota, Na zadkoch (CZ)	49°07'35"	18°05'19"	Bronze axe
Pitín (CZ)	49°02'16"	17°50'55"	Bronze brazlet
Suchá Loz, Padělek (CZ)	48°57'50"	17°43'30"	Coordinates estimated, Bronze arrow
Suchá Loz, Řady (CZ)	48°57'16"	17°41'36"	Bronze depot
Valašské Klobouky (CZ)	49°08'22"	18°00'32"	Bronze axe
Hallstatt: fortified/unfortified hilltop settlements			
Boršice u Blatnice, Lipinka (CZ)	48°54'35"	17°35'56"	Bronze Age, Hallstatt
Javorník, Hradisko (CZ)	48°51'17"	17°33'43"	Bronze Age, Hallstatt
Kněždub, Šumárník (CZ)	48°52'00"	17°23'41"	Bronze Age, Hallstatt
Zemianske Podhradie (SK)	48°50'32"	17°48'45"	? Late (I) Eneolithic, Bronze Age, Hallstatt, La-Tène
Hallstatt: other settlements			
Hroznová Lhota, Čtvrtky, Za hřbitovem (CZ)	48°53'52"	17°25'49"	LW, MPW, Bronze Age, Hallstatt, La-Tène
Rudimov (CZ)	49°04'23"	17°49'09"	From LW to La-Tène
Tasov, Mezipotoky (CZ)	48°54'20"	17°26'24"	Bronze Age, Hallstatt
La-Tène: all settlement types			
Bánov, Žleby (CZ)	48°59'31"	17°42'56"	
Bojkovice, Koráb (CZ)	49°02'00"	17°48'20"	LW, Middle Eneolithic, La-Tène
Bošáca, Pohančenišča (SK)	48°49'14"	17°49'45"	Late (I) Eneolithic, Bronze Age, La-Tène
Brumov, hrad (CZ)	49°05'33"	18°01'10"	
Bystřice p. L., Ordějov (CZ)	48°58'14"	17°44'38"	
Divnice, Zvonica (CZ)	49°05'30"	17°54'45"	
Dolná Súča, Krasín (SK)	48°57'42"	17°59'07"	
Drietoma, nad Drietomicou (SK)	48°54'31"	17°57'18"	
Horné Srnie, Ostrá hora (SK)	49°00'18"	18°06'23"	
Hroznová Lhota, Čtvrtky, Za hřbitovem (CZ)	48°53'52"	17°25'49"	LW, MPW, Bronze Age, Hallstatt, La-Tène
Hrubá Vrbka, Zábařinčí (CZ)	48°52'21"	17°29'35"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Ivanovce, Skala (SK)	48°49'31"	17°54'08"	Middle and Late (I) Eneolithic, Bronze Age, La-Tène
Kladná-Žilín, Lůčky (CZ)	49°05'07"	17°47'28"	
Kněždub, Vojšice (CZ)	48°51'29"	17°25'52"	LW?, Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Koválovec 4 (SK)	48°47'35"	17°18'55"	
Lopašov (SK)	48°45'59"	17°20'39"	
Malá Vrbka, Sedlišťe (CZ)	48°52'24"	17°28'04"	Early (I) and Late (II) Eneolithic, Bronze Age, La-Tène
Nivnice, Nivnické čtvrtky (CZ)	48°57'14"	17°37'35"	LW, Early (I) Eneolithic (MPW), Late (II) Eneolithic, CW battle-axe, Bronze Age, La-Tène
Popov, Podlazi (CZ)	49°04'21"	17°57'21"	
Přečkovice, Šerá (CZ)	49°04'23"	17°46'52"	
Rudimov (CZ)	49°04'23"	17°49'09"	
Slavičín, castle garden (CZ)	49°05'25"	17°52'34"	
Slavičín, č.p. 199 (CZ)	49°05'24"	17°53'07"	
Slavičín-Hrádek, Blyštica (CZ)	49°04'31"	17°54'26"	

Slavičín-Hrádek, Hrubé pole (CZ)	49°04'49"	17°54'09"	
Slavkov, Kamenný Čupek (CZ)	48°55'10"	17°36'26"	Late (I) Eneolithic, La-Tène
Slavkov, Podluží (CZ)	48°57'30"	17°36'35"	LW, Early (II) Eneolit, La-Tène
Slavkov, Za kravínem (CZ)	48°57'23"	17°36'17"	burial site
Tasov, Pod Radošovem (CZ)	48°56'06"	17°25'50"	Early (I) Eneolithic (MPW), Late (II) Eneolithic (solitary record of CW battle-axe), La-Tène
Unín – Zámčisko (SK)	48°44'07"	17°15'08"	
Zemianske Podhradie (SK)	48°50'32"	17°48'45"	? Late (I) Eneolithic, Bronze Age, Hallstatt, La-Tène
Zemianske Podhradie, Martákovie skala (SK)	48°50'49"	17°48'56"	La-Tène (hilltop settlement)
Undated: fortified/unfortified hilltop settlements			
Březová, Studený vrch (CZ)	48°56'23"	17°43'53"	
Bystřice p. L., Bučnik (CZ)	48°58'46"	17°47'20"	

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