



22 – has devoted itself to the study of ‘how lexical items and constructions come in  
23 certain linguistic contexts to serve grammatical functions or how grammatical  
24 items develop new grammatical functions’ (Traugott & Hopper, 2003, 1).<sup>1</sup> The  
25 movement towards increasing grammatical function has been associated with  
26 formal changes of items along the following grammaticalization cline (see (Traugott  
27 & Hopper, 2003, 6f)):

28 (1) content item > grammatical word > clitic > inflectional affix

29 Some of the elements on this cline, for example clitics, are notoriously  
30 difficult to define (Spencer & Luís (2012a), Spencer & Luís (2012b), see also  
31 remarks in Vincent & Börjars (2010)), nevertheless the cline reflects the assumption  
32 that uncontroversial grammatical distinctions are likely to be encoded in (inflectional)  
33 morphology. Similar assumptions are evident in the foregrounding of an understanding  
34 of grammaticalization as a fusion of forms in Brinton & Traugott (2005). They  
35 posit different levels of grammaticalization, such that periphrases are understood  
36 to be least grammatical, next come semi-bound forms (i.e. function words and  
37 clitics), and affixes are understood to represent the highest level of grammaticalization  
38 ((Brinton & Traugott, 2005, 93)). There have been also voices of dissent.  
39 Scholars like Joseph (2004), for example, have suggested that the cline in (1)  
40 rather simplistically conflates form and function, or that ‘becoming more grammatical’  
41 is assumed to be the same as ‘becoming more morphological’. Other authors  
42 have pointed out that, when their distribution and function are taken into  
43 account, some less morphological forms like clitics may be taken to be more  
44 grammatical than more morphological forms like affixes (see remarks in (Askedal,  
45 2008, 52f.) on the genitive in English and Mainland Scandinavian, for example).

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<sup>1</sup>I owe a debt of gratitude to Bas Aarts and Andrew Spencer for helpful feedback on earlier versions of this paper, as well as to the editors and the anonymous referees for their extensive and knowledgeable suggestions. The responsibility for all remaining errors is mine.

46 Boye & Harder (2012) argue against using formal (phonological, semantic, morphosyntactic)  
47 criteria as definitional of grammatical status. More general understandings of  
48 grammaticalization are also signposted in Trousdale & Traugott (2010).

49 That grammatical functions can be performed by syntactic structures and  
50 not just words has been recognised for a long time, for example in traditional  
51 grammars by the inclusion of compound tenses and similar constructions in  
52 linguistic descriptions. More recently, there has been research into the status of  
53 such grammatical syntactic structures, or periphrases (see for example Brown  
54 et al. (2012) and references therein). And grammaticalisation studies have also  
55 given constructions considerable attention (see for example Traugott (2003),  
56 Trousdale (2012), and references therein).

57 The aim of this paper is to take a closer look at what it means for a  
58 construction to be ‘grammatical’. The focus is on expressions that span more  
59 than one lexical item and the discussion is partially prompted by recent work on  
60 periphrasis, in which some scholars have claimed that periphrastic expressions  
61 can/should be seen on a par with morphological forms and integrated into  
62 the model of grammar in the same way as inflectional morphology. Given  
63 the prominence given to fusion of form, one particular concern of the paper  
64 is whether more tightly bound constructions (e.g. those containing clitics) are  
65 more grammatical than less tightly bound ones (e.g. where no such reduction  
66 has occurred). To keep formal changes of structures and their status in the  
67 overall linguistic system conceptually apart, I will refer to the formal changes  
68 reflected in (1) above as morphologization and to the process of becoming  
69 grammatical more generally as one of attaining grammatical status.

70 Although there are significant correlations between the structure of a multiword  
71 construction and its grammatical status, these correlations have important exceptions  
72 which show that we can’t rely solely on syntagmatic tightness in our definition

73 of grammatical status, but need to give weight to other considerations.

74 The data covered in the paper come primarily from Slavic languages, and  
75 especially from Bulgarian and Macedonian, which have a rich cache of verbal  
76 constructions. Most of the ones mentioned here reflect tense distinctions, and in  
77 traditional descriptions many have been included in verbal paradigms alongside  
78 inflected forms. Like the inflected forms they are often grouped with, these  
79 constructions encode systematic abstract semantic contrasts in the grammar of  
80 the languages they are part of and are mutually interchangeable and exclusive  
81 with some inflected forms.

82 Trying to decouple morphologization from the process of attaining grammatical  
83 status requires some discussion of what it means to have such status. This is the  
84 subject of the next section, where the focus is on grammatical status in relation  
85 to multiword expressions.

## 86 **2 Grammatical status**

87 Arguing that constructions which are grammatical can be so to a lesser or higher  
88 degree and that their status is not linked in a very straightforward way to the  
89 morphologization of the elements within them requires some discussion of what  
90 it means to be ‘grammatical’.

91 Most obviously, grammatical means ‘not lexical’. In discussions of grammaticalization  
92 the presence of highly abstract semantics and the loss of referential content is  
93 considered to be the initial step towards grammatical status, as can be seen, for  
94 example, from the first stage in the following mapping of the route to it from  
95 (Heine, 2003, 579):

- 96 i. desemanticization (or “bleaching”, semantic reduction): loss in  
97 meaning content;

- 98           ii. extension (or context generalization): use in new contexts;
- 99           iii. decategorialization: loss in morphosyntactic properties characteristic  
100                 of the source forms, including the loss of independent word  
101                 status (cliticization, affixation);
- 102           iv. erosion (or “phonetic reduction”), that is, loss in phonetic substance.

103         The distinction between lexical and grammatical meaning is, of course,  
104         fundamental and related to other distinctions like that between inflection and  
105         derivation. It is more easily applicable to a single element (affix or word) than  
106         to a complex construction. Thus, for example, the verb *have* is lexical in the  
107         sentence *I have a dog* where it refers to ownership, but grammatical in the  
108         perfect construction in *I have walked the dog*.<sup>2</sup> It is more difficult to say in what  
109         way a construction as a whole is grammatical, rather than lexical. Intuitively,  
110         the construction *have walked* and the verb *walk* in, for example, *I walk the*  
111         *dog every day*, have an identical lexical meaning and differ only with respect  
112         to their grammatical meaning, much like the latter example of *walk* and the  
113         form *walked* in *He walked the dog* do. This semantic bleaching is linked to  
114         a lexical item becoming a function word in syntactic terms and a biclausal  
115         structure becoming a monoclausal one. (Harris & Campbell, 1995, 172ff.) in  
116         their discussion of reanalysis of a biclausal structure (with two lexical verbs)  
117         to a monoclausal one (with one lexical and one function verb) posit that the  
118         reanalysis itself is abrupt.<sup>3</sup> The transition from a bi- to monoclausal structure  
119         in some sense paves the way for a form to be grammatical, i.e. for a syntactic  
120         structure to be able to behave as a word-form of a lexeme, and paves the way for

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<sup>2</sup>For a recent proposal on how to determine the grammatical status of a lexical element that relies not on formal properties like clitichood, or phonological reduction, see Boye & Harder (2012).

<sup>3</sup>For further remarks on reanalysis in the context of grammaticalization and a range of views, see for example Lehmann (2004), Traugott (2011) and references therein.

121 morphologization. For example, the transition from lexical to functional with  
122 the concomitant loss of lexical meaning is seen by Dahl (2004) to be a factor  
123 that makes phonological reduction possible. Phonological reduction would lead  
124 to morphologization (cliticization/affixation) which is seen as the hallmark of  
125 grammatical status in grammaticalisation studies (stage iii above). Phonological  
126 reduction, however, happens gradually, so if we accept an abrupt transition  
127 from a biclausal to monoclausal (grammatical) construction, we need to accept  
128 constructions which are grammatical but not morphologized. There may also  
129 a typological dimension to this, in the sense that morphologization may bear a  
130 different relationship to grammatical status in languages with different typology,  
131 see remarks and references in Wiemer (2014). The discussion in Section 3  
132 aims to show that constructions with an equivalent status in the grammar have  
133 morphologized to a different degree.

134       Being grammatical can also be understood to mean being an exponent of  
135 a grammatical feature. The English construction of *have* and a past participle  
136 form of a lexical verb illustrated above can be said to be an exponent of a  
137 value of the grammatical feature of aspect in English. It isn't easy to put the  
138 intuition behind the notion of feature in more precise terms. An explicit answer  
139 to the question of when a feature should be introduced in the description of  
140 a particular language has been given most systematically in publications like  
141 Corbett (2011), Corbett (2012); see also references therein. Implicit in these  
142 publications, as well as the literature on grammaticalisation, is the assumption  
143 that grammatical features are relevant to morphological, or inflected forms. It  
144 is with inflected forms that the benefit of employing a notion like grammatical  
145 feature or value is most obvious. Features can help us express generalisations  
146 about the relationship between forms like *walk* and *walked*. Features are also  
147 most obviously needed when they allow for an economical statement of the

148 co-occurrence of inflected forms in agreement, for example, or allow us to  
149 state relations of government between two or more linguistic expressions, or  
150 explain different patterns of syncretism (see detailed justifications of features  
151 in Corbett (2012)). Agreement and government are not immediately applicable  
152 to constructions in their entirety. In some of the situations described below,  
153 however, constructions have been assumed to be exponents of grammatical  
154 features and their values.

155 Grammatical constructions can be considered to display morphological characteristics  
156 in a different sense from the morphologization processes described above. They  
157 can be considered to be more morphological (and less syntactic) when they  
158 display some kind of non-compositionality. For example, the meaning ‘perfect’  
159 in the *have* + past participle construction in English cannot be pinned onto  
160 *have* only, it depends on the combination of *have* with a past participle of a verb  
161 (see discussions in Börjars et al. (1997), Sadler & Spencer (2001), Ackerman &  
162 Stump (2004), Spencer (2012)). In this sense the construction as a whole can be  
163 considered to be the exponent of a grammatical feature (e.g. perfect) that none  
164 of its elements possesses. Dahl (2004) also posits a link between featurization,  
165 in morphology, and various break-downs of the one to one correspondence  
166 between form and meaning. However, non-compositionality, although more  
167 often a property of complex words than it is of syntactic structures, is not  
168 necessarily the same as grammatical status. Indeed, in a discussion of what the  
169 ‘canonical’<sup>4</sup> exponence of a grammatical feature should look like in inflection,  
170 Corbett (2011) puts forward the transparent one-to-one correspondence between  
171 form and function as one parameter. The criterion of non-compositionality  
172 has also been refined to take into account headedness in relation to work on

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<sup>4</sup>Canonical in this sense is a term from canonical typology, which seeks to describe variation in phenomena by adopting the logical end point of their definition and mapping out existing phenomena outwards from that definition (see Corbett (2007), Corbett (2011) and others).

173 periphrasis in, for instance, (Bonami & Samvellian, 2015, 375).

174 A different sense in which grammatical constructions can be seen to be  
175 ‘morphological’ lies within their relationship with inflected forms in languages  
176 where both are present. Grammatical constructions can be considered equivalent  
177 to (inflected) word-forms. Such understanding of grammatical constructions  
178 was clearly voiced as early as the middle of the last century in Smirnickij (1956)  
179 and Smirnickij (1959). The clearest case is the one where syntactic structures  
180 fill in cells in otherwise morphological paradigms<sup>5</sup> of inflected forms (see again  
181 Börjars et al. (1997), Sadler & Spencer (2001), Ackerman & Stump (2004) and  
182 also Brown et al. (2012)). Sometimes the relationship between grammatical  
183 constructions and inflected forms is less tight, for example the perfect construction  
184 in English is semantically related to other tense/aspect forms in the language,  
185 some of which are inflected. In this sense the constructions that will be discussed  
186 in the next section are all grammatical. The idea that some multiword constructions  
187 are essentially word-forms and should be modelled as such has become prominent  
188 in work on periphrasis, especially in the context of assumptions about morphology  
189 that lead to a formal morphological model which is different from the syntactic  
190 one. Periphrasis, understood in this way, occupies the middle ground between  
191 morphology and syntax. For very interesting discussions of periphrasis, overlapping  
192 to an extent with the current one, see for instance Bonami (2015), Bonami &  
193 Samvellian (2015).

194 Another criterion for grammatical status is the lexical generality of a construction,  
195 that is whether it can admit in the ‘lexical verb’ slot all the lexemes in a  
196 relevant class or not, cf. the restrictions on the use of the *have*-perfect in  
197 Bulgarian with its generality in Macedonian discussed in the previous sections.<sup>6</sup>

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<sup>5</sup>Throughout I adopt the understanding of paradigm which sees it as a set of cells defined by the cross-classification of features in a language, i.e. the set of logically possible grammatical distinctions for a language.

<sup>6</sup>As pointed out by one anonymous reviewer, such statements are not without problems.



198 Generality is also singled out as an important element in being grammatical  
199 with respect to constructions in Trousdale (2012). In this respect grammatical  
200 constructions are akin to inflection. Corbett (2011) defines consistent exponence  
201 across the relevant part of speech as one of the criteria associated with canonical  
202 inflectional morphosyntactic features. Constructions rarely start out having  
203 lexical generality. They become more general as a result of what (Dahl, 2004,  
204 120f), for example, calls pattern spread, or the gradually increased ability of  
205 a pattern to be used in situations where it was previously not possible. This  
206 generality is linked to Stage (ii) in the grammaticalisation process described by  
207 (Heine, 2003, 579) above.

208 For inflected forms that express grammatical features grammatical status  
209 has been also linked to obligatoriness. Once a distinction attains grammatical  
210 status to a high degree, it becomes not just something available to its speakers,  
211 but something speakers must express. An English noun cannot be used in a  
212 particular context without expressing number (see remarks on this aspect of  
213 featurization in Dahl (2004)). A verb in an English main clause has to be  
214 tensed. Features can have a number of usually mutually exclusive values (nouns  
215 can be singular or plural in English, verbs can be past and non-past). If we  
216 assume that one of the values of an obligatory feature is coded as a multiword  
217 expression, then the obligatoriness of the feature will apply to that multiword  
218 expression. It is important to point out, however, that constructions comprise  
219 at least some inflected forms, so for example the English perfect construction  
220 illustrated above requires that the function verb *have* be inflected in the present  
221 tense (and whatever person/number values are required by agreement). In this  
222 sense obligatoriness is more difficult to apply directly to constructions. In certain

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Different grammatical categories display greater or lesser interaction with the lexical semantics of stems, e.g. aspect interacts with stem semantics more than tense, even though in some sense both are relevant to events and therefore verbs.

223 contexts speakers of English are required by the grammar of their language to  
224 use a perfect form of the verb – in these contexts they need to use a construction  
225 in which the function verb is in the present tense.

226 Another characteristic of attainment of grammatical status to a high degree  
227 is paradigmatic organisation. Once grammatical distinctions have become systematic,  
228 and especially when more than one value becomes possible for a number of  
229 grammatical features, the structures that express these features (very often  
230 inflected forms) can be organised in paradigms.

231 Paradigmatic organisation has been associated mostly with inflectional morphology.  
232 As we will see in later sections, however, and as has been argued already with  
233 respect to some of the data I mention here, paradigmatic organisation is possible  
234 not just for morphological, but also for syntactic forms (see Spencer (2003),  
235 Popova & Spencer (2013)). Since the aim here is to show that grammatical  
236 status and morphologization should not be conflated, Section 4 will demonstrate  
237 that forms with different degrees of morphologization can exhibit paradigmatic  
238 organisation.

239 To sum up, the following are important in defining the preconditions that  
240 need to be present for a given linguistic expression to have a high degree of  
241 grammatical status:

- 242 1. A linguistic form is grammatical if it expresses an abstract grammatical  
243 distinction; such a form will most often be in opposition to other forms  
244 with which it shares lexical meaning, but differs in grammatical meaning;
- 245 2. A linguistic form with a high grammatical status admits the whole lexical  
246 class it is relevant to;
- 247 3. The distinction that is expressed by a linguistic form with a high grammatical  
248 status is obligatory;

249 4. A grammatical linguistic form may be in a paradigmatic organisation with  
250 a small set of other forms.

251 These parameters are orthogonal to each other and allow linguistic expressions  
252 to be more or less grammatical in certain respects. They are related to morphologization,  
253 in that losing lexical meaning and assuming functional status are preconditions  
254 for morphologization, but degrees of grammatical status and degrees of morphologization  
255 do not necessarily correlate. To the extent that morphologization is not considered  
256 a reliable indicator of grammatical status, this paper adopts a position similar  
257 to the one adopted, for example, in Boye & Harder (2012). However, when it  
258 comes to being grammatical to a different degree, Boye & Harder (2012) fall  
259 back onto the traditional formal criteria of grammaticalization.

260 The next section will discuss a multiword construction that has different  
261 grammatical status in two closely related languages, as well as exhibiting different  
262 degrees of morphologization. The section after that will illustrate further the  
263 point that cliticisation and affixation are symptomatic of grammatical status,  
264 but are not inherent elements of it. Section 5 will discuss paradigmaticity.  
265 Section 6 will return to the issue of meaning. Section 7 will point out some of  
266 the complex issues that arise from considering the relationship between related  
267 inflected and multiword expressions.

### 268 **3 Different grammatical status, different morphosyntactic** 269 **properties**

270 This section will use as illustration the so-called *have*-construction, which can  
271 be found in Macedonian, Bulgarian and other Slavic languages. Formally, it is  
272 cognate to constructions like the perfect construction in English (e.g. *I have*  
273 *written a letter*). It is composed of the verb HAVE and a past passive participle

274 of the lexical verb and has accrued meanings of persistent result of a past act  
275 which are reminiscent of the English perfect. Both Macedonian and Bulgarian  
276 (but not the other Slavic languages where the *have*-construction is found, e.g.  
277 Czech) do in fact have a widely recognised perfect construction based on the  
278 verb BE. The *have*-construction is often explicitly or implicitly compared to  
279 the *be*-perfect. To enable the comparison, I first briefly illustrate the *be*-perfect  
280 construction using Bulgarian data in (2) below:

281 (2) *Az sǎm čela тази книга.*  
I be.1SG.PRS read.LPTCP.SG.F this book  
282 ‘I have read this book.’

283 The *be*-perfect is composed of an inflected present tense form of the auxiliary  
284 BE and a past participle (often called the *l*-participle because of the suffix *-l*  
285 added to the aorist verbal stem).<sup>7</sup> Some of the properties of the elements that  
286 are part of the *be*-perfect will be explored in the next section. What is important  
287 to say here is that the construction is general (I am not aware of restrictions on  
288 the verbs that can appear in a *be*-perfect tense), the meaning associated with  
289 it is abstract and predictable (although the construction is polysemous, see for  
290 example the description in (Nicolova, 2008, 294-300)).

291 In terms of these properties the *be*-perfect construction can be contrasted  
292 to the *have*-construction which to a great extent overlaps with it semantically.  
293 The *have*-construction is composed of the inflected present tense form of the  
294 verb *have* and the past passive participle of the main verb.

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<sup>7</sup>The *l*-participle is named after the affix with which it is derived and has been glossed as LPTCP in examples throughout. Similarly, the past passive participle is derived most often with the suffix *-n*, so I have glossed it as the *n*-participle or NPTCP. The other abbreviations used in the glosses are as follows: 1/2/3 – first/second/third person, ACC – accusative, CL – clitic, DAT – dative, DEF – definite, F – feminine, FUT – future, IPFV – imperfective, M – masculine, N – neuter, PFV – perfective, PL – plural, PRS – present, PST – past, REFL – reflexive, SG – singular, Q – question

295 Some uses of the *have*-construction are illustrated in (3) below with Bulgarian  
 296 examples, adapted from (Xaralampiev, 2001, 144). He points out that despite  
 297 similarities to compound tense constructions, the *have*-construction is not usually  
 298 included amongst them.

- 299 (3) a. *Toj ima napisani osem raboti.*  
 he have.3SG.PRS write.NPTCP.PL eight work.PL  
 300 ‘He has written eight projects’.
- 301 b. *Az imam vzeti njakolko izpita.*  
 I have.1SG.PRS take.NPTCP.PL a\_few exam.PL  
 302 ‘I have taken (successfully) a few exams’ or  
 303 ‘I have a few exams that are successfully taken’.
- 304 c. *Te imat sazdaden krāžok po literatura.*  
 they have.3PL.PRS created.NPTCP.M club.M in literature  
 305 ‘They had created a literature club’. or  
 306 ‘They had a literature club they had created’.
- 307 d. *Imame objaven konkurs.*  
 have.1PL.PRS announce.NPTCP.SG.M competition.SG.M  
 308 We had announced a competition. (We had a competition announced).
- 309

310 Synchronic data suggest that this construction has attained different levels of  
 311 grammatical status in different varieties of the language. According to (Xaralampiev,  
 312 2001, 144), the *have*-construction is used more widely in some non-standard  
 313 dialects (e.g. south-western and Thracian dialects) than in the standard variety;  
 314 he also points out that in these varieties the *have*-construction is used as synonymous  
 315 to the perfect *be*-construction ((Xaralampiev, 2001, 144)).

316 An early discussion of this construction in Bulgarian can be found in Georgiev  
 317 (1976), who argues that it is in the process of becoming a tense in Bulgarian,  
 318 even though it has not yet established itself as such. In support of his position  
 319 (Georgiev, 1976, 299f.) points out that the verb *have* has undergone semantic

320 bleaching. In other words, the construction can be used to refer to things which  
321 are not literally ‘owned’, which he illustrates with the example (4) below:

322 (4) *Imam poračani vāglišta, no ošte ne sa*  
have.1SG.PRS ordered.NPTCP.PL coal.PL but yet not arrived  
323 *pristignali.*

324 ‘I have ordered coal, but it hasn’t arrived yet’.

325 The source of the *have*-construction, according to Georgiev (1976), are structures  
326 where the *n*-participle is used as an object complement or in a clause post-modifying  
327 an object. As this example shows, at some point the participle *poračani* ‘ordered’  
328 has shifted from its postnominal modifier position to a position adjacent to the  
329 verb, where it could potentially be reanalysed as part of a monoclausal structure  
330 with an auxiliary and a lexical verb. The *n*-participle, however, still agrees with  
331 the object, whilst the verb *have* itself agrees with the sentential subject. Details  
332 of a similar chain of events in English can be found in (Harris & Campbell, 1995,  
333 172ff.). In an analysis of this construction using mainly Polish data (Migdalski,  
334 2006, 153ff) proposes that the participle and the object form a small clause.

335 In addition to these formal properties that signal incomplete grammaticalization,  
336 Georgiev (1976) himself recognises that there are perhaps even more important  
337 restrictions on the *have*-construction to do with its generality. Unlike the  
338 *be*-perfect tense construction, it is restricted to transitive (cf. 5a and 5b) and  
339 non-stative (cf. 6a and 6b) verbs.

340 (5) a. *Tja e boledovala mnogo kato dete.*  
she be.3SG.PRS be\_ill.LPTCP.SG.F a\_lot as child  
341 ‘She has been ill a lot as a child.’  
342 b. *\*Tja ima boleduvano mnogo kato dete.*  
she have.3SG.PRS be\_ill.NPTCP.SG.N a\_lot as child  
343 (intended) ‘She has been ill a lot as a child’

- 344 (6) a. *Toj e običal pet ženi.*  
 he be.3SG love.LPTCP.M.SG five women  
 345 ‘He has loved five women’.
- 346 b. *\*Toj ima običani pet ženi.*  
 he have.3SG.PRS love.NPTCP.PL five women  
 347 (intended) ‘He has loved five women’

348 The *have*-construction is also more acceptable with durative resulting states,  
 349 e.g. compare (7a) with (7b):

- 350 (7) a. *Toj ima spečeleni šest mača*  
 he have.3SG.PRS won.NPTCP.PL five matches  
 351 ‘He has won five matches’.
- 352 b. *?Toj ima ritnati pet topki*  
 he have.3SG.PRS kick.NPTCP.PL five balls  
 353 (intended) ‘He has kicked five balls’.

354 According to Mirčev (1976) the *have*-construction has demonstrated a considerable  
 355 stability in its long history in the language, which leads him to argue that  
 356 it isn’t, in fact, in the process of becoming a tense. Its lack of generality  
 357 and the existence of an alternative frequent and general construction with the  
 358 same meaning certainly seem to diminish the degree to which it has attained  
 359 grammatical status. The relatively less clear grammatical status appears to  
 360 correlate with a relatively low degree of morphologization: the participle hasn’t  
 361 lost its agreement with the object, the auxiliary hasn’t lost its word status.

362 By contrast with the Bulgarian examples we have seen so far, the cognate  
 363 *have*-construction in Macedonian has attained grammatical status to a very high  
 364 degree. In this language a higher degree of generality correlates with a slightly  
 365 different set of formal properties.<sup>8</sup> In Macedonian, it would seem, there is no  
 366 reason not to include the *have*-construction amongst the compound tenses in

<sup>8</sup>According to Migdalski (2006) Kashubian is the only other Slavic language where this construction is completely grammaticalized.

367 the language. The construction is mostly synonymous to the *be*-perfect which  
368 also exists in Macedonian.

369 Examples (8a) and (8b) are adapted from (Kramer, 2003, 326), where further  
370 elaboration is available.

- 371 (8) a. *Ne sum go gledal ovoj film*  
not be.1SG.PRS 3SG.ACC.M seen.LPTCP.M that film  
372 ‘I haven’t seen that film’.
- 373 b. *Go nemam gledano ovoj film*  
SG.ACC.M not.have.PRS.1SG seen.NPTCP.SG.N that film  
374 ‘I haven’t seen that film’

375 The *have*-perfect construction can also be used, as highlighted by Migdalski  
376 (2006), with unaccusative, ergative, transitive predicates, with human and non-human  
377 or inanimate subjects. Some examples adapted from (Migdalski, 2006, 133ff) are  
378 shown below, see also references therein. On the generality of the Macedonian  
379 perfect see also Elliott (2004). Interesting dialectal variations are reported in  
380 (Tomič, 2012, 322-326).

- 381 (9) a. *Gostite imaat dojdeno*  
guests have.3PL arrive.NPTCP.SG.N  
382 ‘The guests have arrived’
- 383 b. *Goce Delčev ima spieno tuka*  
Goce Delčev have.3SG.PRS sleep.NPTCP.3SG here
- 384 c. *Imam dobieno edno pismo do sega od*  
have.1SG.PRS receive.NPTCP.SG.N one letter till now from  
385 *Violeta*  
Violeta  
386 ‘Up till now I have received one letter from Violeta’
- 387 d. *Mačkata go ima ispieno mlekoto*  
cat SG.ACC.N have.3SG.N milk  
388 ‘The cat has drunk the milk’.
- 389 e. *Brodot se ima udreno vo karpite*  
ship REFL have.3SG.PRS hit.NPTCP.SG.N in rocks



390 ‘The ship hit rocks’.

391 As the above examples also show, the generality of the Macedonian *have*-construction  
392 goes hand in hand with some important structural characteristics. Whereas in  
393 Bulgarian (and other Slavic languages) the *n*-participle agrees with the object,  
394 Macedonian uses an invariant (non-agreeing) participle.<sup>9</sup> To reflect this, Migdalski  
395 (2006) assigns to the grammaticalized Macedonian construction a distinct syntactic  
396 structure, where a small clause is replaced by a participial phrase in which the  
397 participle and the object are not in a predicative relationship, but instead the  
398 participle selects the object as a complement.

399 Importantly, whereas in Macedonian the verb *have* and the participle share  
400 the same agent, in Bulgarian (and other Slavic languages) the participle can have  
401 a different agent, crucially realized as an oblique, as is clear in (10) below:<sup>10</sup>

402 (10) *Imam podareni dva časovnika ot Viktor.*  
403 have.1SG.PRS gift.NPTCP.PL two watches by Viktor  
‘I have two watches gifted (to me) by Viktor’.

404 In the case of the *have*-construction we can see clear correlations between  
405 form and function. Indeed, some authors consider the structure of the construction  
406 to be crucial. Elliott (2004), for example, compares the properties of the  
407 *have*-construction in Macedonian and in the Erkeč dialect of Bulgarian (where  
408 the construction has similar properties to its cognate in the standard dialect),  
409 and concludes that ‘The structure of the verb phrase is by far the crucial feature  
410 in determining that the Erkeč construction is not a possessive present perfect’.

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<sup>9</sup>Note, however, that according to (Tomič, 2012, 325) the west-central Kičevo dialect has preserved the older *have*-perfect forms with inflecting passive participles.

<sup>10</sup>An alternative explanation, however, would be that the new possibly monoclausal construction has not replaced completely the older, biclausal structure. Instead, they continue to exist side by side. This, I believe, would be in the spirit of proposals made by Harris & Campbell (1995).

411 To conclude, in both Bulgarian and Macedonian the *have*-construction has  
412 undergone some important structural changes. In Macedonian the construction  
413 has undergone the crucial reanalysis of a biclausal structure into a monoclausal  
414 one (a change described cross-linguistically by Harris & Campbell (1995)). This  
415 change is decisive for acquiring grammatical status, as it allows one of the  
416 verbs to become an auxiliary that expresses grammatical rather than lexical  
417 meaning. In Bulgarian the evidence that the reanalysis has taken place is less  
418 clear, as there is still agreement between the participle and the nominal form  
419 it used to modify, but there is evidence that the verb ‘have’ is losing the  
420 meaning of ‘ownership’. Notably, the construction has different generality in  
421 the two languages: in Bulgarian it is restricted to fewer types of verbs than in  
422 Macedonian. This lack of generality corresponds to some syntactic structural  
423 differences between the cognate constructions in the two languages. Neither of  
424 the two languages exhibits phonological reduction of the auxiliary. However, in  
425 both languages the auxiliary and the participial form exhibit a strong tendency  
426 to appear adjacent.<sup>11</sup>

427 The next section aims to discuss constructions where the degree of grammatical  
428 status does not correlate very well with different morphosyntactic properties.

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<sup>11</sup>The discussion here focused on Slavic data. However, as pointed out by an anonymous reviewer, interesting variations in structural properties that do not correlate with different degrees of grammatical status can be found with *have*-auxiliary constructions in Romance languages, for example Italian. In Italian, the past participle in constructions with the *have* auxiliary can agree or not with the object depending on structural factors like whether the object is a clitic pronoun. Crucially, the absence or presence of agreement is not linked to a difference in function or meaning, as pointed out in Maiden & Robustelli (2000).

429 **4 Equal grammatical status, different morphosyntactic**  
430 **properties**

431 Bulgarian can be used again as a source of data that shows that grammatical  
432 status and morphologization do not correlate very well. The language has a  
433 number of constructions that are associated traditionally with the morphosemantic  
434 feature of tense (the language also has inflected tense forms). One of them – the  
435 perfect tense construction – was illustrated already in (2) above. By way of both  
436 a reminder and an extension, in (11) below the *be*-perfect construction of the  
437 verb ‘give’ is repeated, this time represented with the different person/number  
438 forms (and with the pronouns in brackets):

439 (11)

	SINGULAR	PLURAL
1	(az) sǎm dal/-a/-o	(nie) sme dali
2	(ti) si dal/-a/-o	(vie) ste dali
3	(toj/tja/to) e dal/-a/-o	(te) sa dali

440 As the reader will remember, the perfect tense comprises a present tense  
441 form of the verb *sǎm* ‘be’ inflected for the corresponding person and number  
442 and the *l*-participle of the lexical verb. The participle reflects number and (in  
443 the singular only) gender distinctions.

444 The present tense form of the verb *sǎm* ‘be’ behaves like a clitic and enters  
445 the clitic cluster: the cluster comprises auxiliaries and pronominals and takes  
446 the form in (12) (for further details, see (Avgustinova, 1994), (Spencer & Luís,  
447 2012b, 59-64) and references therein):

448 (12) Bulgarian clitic cluster

449 Neg ⇒ Fut ⇒ Aux ⇒ Dat ⇒ Acc ⇒ 3sgPrsAux

450 Generally, clitics precede the verb unless this would place them in clause-initial  
 451 position.<sup>12</sup> Though not absolute, this generalization is true of *săm*.<sup>13</sup> (13a)  
 452 below shows a ditransitive verb in the perfect tense with full NPs, whereas  
 453 in (13b) the full NPs are replaced with pronominal clitics. (13c) and (13d)  
 454 demonstrate that clitics are not allowed in sentence initial position and move  
 455 after the verb to avoid being placed there,<sup>14</sup> and (13e) demonstrates the position  
 456 in the cluster of the verb ‘be’ in the 3SG.

- 457 (13) a. *Az săm dala statüite na studenta.*  
 I be.1SG.PRS give.LPTCP.F papers.DEF to student.M.DEF  
 458 ‘I have given the papers to the student.’
- 459 b. *Az săm mu gi dala.*  
 I be.1SG.PRS 3SG.DAT.M 3PL.ACC give.LPTCP.F  
 460 ‘I have given them to him.’
- 461 c. *\*Săm mu gi dala.*  
 be.1SG.PRS 3SG.DAT.M 3PL.ACC give.LPTCP.F  
 462 ‘(intended)(I) have given them to him.’
- 463 d. *Dala săm mu gi.*  
 give.PTCP.F be.1SG.PRS cl.3SG.DAT.M cl.3PL.ACC  
 464 ‘(I) have given them to him.’
- 465 e. *Dala mu gi e.*  
 give.PTCP.F cl.3SG.DAT.M cl.3PL.ACC be.3SG.PRS  
 466 ‘(She) has given them to him.’

467 The *be*-perfect is clearly a grammatical construction, in the terms in which  
 468 this is often defined in the literature on grammaticalization. Within the construction,  
 469 one element has no lexical meaning and its contribution is instead abstract and  
 470 similar to meanings linked to inflectional morphology elsewhere in the language.  
 471 The construction has become, as this is often described in traditional descriptive

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<sup>12</sup>Note that Bulgarian is a pro-drop language.

<sup>13</sup>This is the case whether *săm* is an auxiliary or a copula.

<sup>14</sup>There are exceptions – I will discuss one of them shortly.

472 grammars, the ‘perfect tense form’ of the lexical verb. As we will expect from  
 473 perfect tense forms, all verbs have them. In other words, the construction has  
 474 achieved full generality. In the language where it is found it is in opposition to  
 475 inflected forms, i.e. the construction acts like one of the tense forms of the verb.

476 In another Bulgarian tense construction – the pluperfect – the auxiliary verb  
 477 BE appears again, but this time in the past (imperfect) tense and with a different  
 478 syntactic behaviour. The pluperfect construction is illustrated in (14), and the  
 479 whole paradigm is shown in (15) below.

480 (14) *Predi tova bjax dala statiite na studenta.*  
 before that be.1SG.PST give.LPTCP.SG.F papers.DEF to student.M.DEF  
 481 ‘Before that (I) had given the papers to the student’.

482 (15)

	SINGULAR	PLURAL
1	az bjax dal/-a/-o	nie bjaxme dali
2	ti beše dal/-a/-o	vie bjaxte dali
3	toj/tja/to beše dal/-a/-o	te bjaxa dali

483 The auxiliary *bjax* ‘be.PST’ is not a clitic and does not enter the clitic cluster.  
 484 Instead, it can host the cluster. For example, in (16a) below, the cluster comes to  
 485 the left of the auxiliary, whereas in (16b) it comes to the left of the participle (see  
 486 also (Avgustinova, 1994, 70f), (Nicolova, 2008, 301f) (Spencer & Luís, 2012b,  
 487 62)).

488 (16) a. *Az mu gi bjax dala*  
 I 3SG.DAT.M PL.ACC be.1SG.PST give.LPTCP.SG.F  
 489 ‘I had given them to him’.

490 b. *Bjax mu gi dala.*  
 be.1SG.PST 3SG.DAT.M 3PL.ACC give.PTCP.SG.F  
 491 ‘(I) had given them to him’.

492 The data above show that the present tense and the past tense ‘be’ auxiliary  
 493 have different morphosyntactic status: one of them has clitic-like properties,

494 whereas the other doesn't. Even though one of the auxiliaries is more morphologized  
 495 than the other, the two constructions are equally grammatical in the sense  
 496 discussed in the beginning of the paper. Both constructions are available with  
 497 the whole class of verbs, that is, the constructions have a similar level of lexical  
 498 generality. Both constructions express morphosemantic distinctions and the  
 499 distinctions are of a similar level of abstractness. In traditional descriptions  
 500 of the language both constructions are discussed as part of the tense verbal  
 501 paradigm. The only reason we may wish to assume that one of these constructions  
 502 is 'more grammatical' than the other is the precise fact that the functional  
 503 element in one, but not the other, is a clitic.

504 So far I have argued that in constructions that appear to be equally 'grammatical'  
 505 functional elements can have a different morphosyntactic status – some are  
 506 clitics, and some are function words. However, entities subsumed under the  
 507 label of 'clitic' often themselves have different properties (see Spencer & Luís  
 508 (2012b)). By way of a brief illustration, I present the future tense construction  
 509 in Bulgarian. Future tenses in Bulgarian and Macedonian will be discussed  
 510 in the next section as well. The forms (in this case of the verb DAM 'give')  
 511 associated with the future tense construction are shown in (17) below:

512 (17)

	SINGULAR	PLURAL
1	šte dam	šte dadem
2	šte dadeš	šte dadete
3	šte dade	šte dadat

513 The future tense construction comprises an invariant element and a present  
 514 tense form of the lexical verb inflected for person and number (see also 18a).  
 515 The invariant element is, historically, a 3SG present tense form of the verb  
 516 *šta* 'want'. No forms can intervene between *šte* and the main verb, not even  
 517 adverbials (18b), apart from clitics in the clitic cluster (18c). *Šte* itself, however,

518 unlike the present ‘be’ auxiliary discussed earlier, can appear in absolute clause  
 519 initial position (as 18c illustrates). Despite this, *šte* is not a fully accented word,  
 520 as is clear from the fact that the question particle *li* cannot follow it directly (see  
 521 18d – having a fully accented element to the left is a condition on the placement  
 522 of *li*),<sup>15</sup> but must follow *šte* and the lexical verb (18e).

- 523 (18) a. *Az šte dam statiite na studenta.*  
 I FUT give.1SG.PRS articles.DEF to student.M.DEF  
 524 ‘I will give the articles to the student’
- 525 b. *\*Az šte skoro dam statiite na studenta.*  
 I FUT soon give.1SG.PRS articles.DEF to student.M.DEF  
 526 ‘(intended) I will soon give the articles to the student.’
- 527 c. *Šte mu gi dam.*  
 FUT 3SG.DAT.M 3PL.ACC give.1SG.PRS  
 528 ‘(I) will give him them’
- 529 d. *\*Šte li dam statiite na studenta?*  
 FUT Q give.1SG.PRS articles.DEF to student.M.DEF  
 530 ‘(intended) Will (I) give the articles to the student’
- 531 e. *Šte dam li statiite na studenta?*  
 FUT give.1SG.PRS Q articles.DEF to student.M.DEF  
 532 ‘Will (I) give the articles to the student?’

533 To sum up, the auxiliaries in tense constructions have varied behaviours.<sup>16</sup>  
 534 Some of them display non-clitic behaviour and some are clitics, but can have  
 535 different properties. This is not surprising in itself. That similar (periphrastic)  
 536 constructions can exhibit different structural properties is also noted, for example,  
 537 in Bonami & Webelhuth (2013). What I wish to emphasise here is that this

<sup>15</sup>A detailed description of *li* is available in (Spencer & Luís, 2012b, 82f)

<sup>16</sup>The aim here isn’t to present an analysis that will account for the different properties of these constructions. For some accounts, please refer to sources like Tomič (2004), Migdalski (2006), Franks (2008) and references therein.

538 varied morphosyntactic behaviour does not appear to correlate with differences  
539 in grammatical status, at least not in the sense discussed earlier.

## 540 **5 Paradigmatic organization**

541 The preceding section aimed to show that constructions with function words and  
542 constructions where the functional element appears in different incarnations of  
543 ‘cliticness’ are equally general and abstract.

544 Grammatical constructions can also intersect, or enter into oppositions with  
545 various inflectional forms in a given language. One such interaction with inflection  
546 has been singled out in the literature as being an exceptionally clear case of a  
547 grammatical construction that could or should be awarded a ‘morphological’  
548 status (in the sense of being integrated in the morphological system of the  
549 language). This special case is the one where a grammatical construction  
550 fills in a gap in an otherwise inflectional paradigm (the term *periphrasis* is  
551 used most frequently in this case). A very well known example comes from  
552 Russian, where present tense forms from the morphological point of view have  
553 been reinterpreted as future forms, so that from a point of view of how the  
554 language works synchronically verbs in the perfective have inflected future tense  
555 forms, whereas verbs in the imperfective have periphrastic futures (in bold in  
556 the examples that follow). This reinterpretation has left perfective verbs with  
557 no present tense forms.<sup>17</sup> This is illustrated with the verb ‘give’ in (19) below:

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<sup>17</sup>With thanks to an anonymous reviewer for pointing out that it is important to make the distinction between the formal morphology and the function to which this morphology has been put in the language.



558 (19)

	Perfective	Imperfective
Infinitive	<i>dat'</i>	<i>davat'</i>
Present (1SG)	—	<i>daju</i>
Future (1SG)	<i>dam</i>	<b><i>budu davat'</i></b>

559 The analysis of such essentially syntactic expressions that appear in otherwise  
560 inflected paradigms is subject to debates. But a convincing case has been made  
561 that such syntactic constructions, which are functionally equivalent to inflected  
562 forms, should be seen to be part of the morphological paradigm. They fill  
563 in ‘cells’ in the paradigm, in the sense that they express morphosyntactic or  
564 morphosemantic features that are otherwise expressed by inflected forms. Other  
565 aspects of such constructions have also been seen to be crucial, for example  
566 whether any features expressed can be pinned onto one of the elements of  
567 the construction, or whether they are distributed across the construction in  
568 a non-compositional manner (see particularly Ackerman & Stump (2004)).<sup>18</sup> As  
569 (Dahl, 2004, 196) points out, if we analyse inflected forms within a Word-and-Paradigm  
570 model and we try to obtain a unified characterization of paradigms that contain  
571 periphrases, we need to analyse periphrases themselves in terms of abstract  
572 features. A consequence of this could be a separation of the analysis in terms  
573 of abstract features from the sequential morphemic analysis on the level of  
574 the (morphological) word and the necessity to identify features even before  
575 functional forms have been integrated into words (that is have undergone suffixation).<sup>19</sup>

576 It is important to highlight the fact that analyses of periphrastic expressions  
577 depend to a large extent on a particular understanding of the notion ‘paradigm’.

<sup>18</sup>Analyses of such cases and the debates surrounding them can be found in Sadler & Spencer (2001), Spencer (2001), Spencer (2003), Ackerman & Stump (2004), Kiparsky (2004), Popova (2010) Brown et al. (2012), Popova & Spencer (2013) and references therein.

<sup>19</sup>As an anonymous reviewer points out, this concerns the perfective future in Russian as well. As s/he points out, the reinterpretation of the present form as future also cannot be given a straightforward grammaticalization account.

578 If paradigm is taken to mean ‘set of inflected forms’, then of course the kind  
579 of periphrase discussed above would be excluded from it simply by virtue of  
580 not being a single inflected form. If we wish to include periphrasis as part of  
581 paradigms, we have to understand a ‘paradigm’ as being a set of abstract cells,  
582 defined by morphosyntactic/ morphosemantic features and their intersections.  
583 In other words, since Russian has a present and a future tense and a perfective  
584 and an imperfective aspect and these seem to intersect, i.e. we have forms like  
585 the future perfective, we are justified in expecting a future imperfective form.  
586 And we do find it, though it is not a single inflected verb form.

587       Once we allow a cell in an inflected paradigm to be filled in by a non-inflected  
588 form, we could make an additional step and allow the whole paradigm to be  
589 filled by non-inflected forms (on a paradigmatic view of some grammatical  
590 constructions see Spencer (2003), and also Brown et al. (2012)). One reason  
591 for doing so could be simply that constructions appear in semantic opposition  
592 to inflected forms. A more fundamental argument could be made that certain  
593 constructions exhibit features of paradigmatic organization (multiple or zero  
594 exponence, cumulation, extended exponence, etc.). This point is made particularly  
595 clearly in Spencer (2001) and Spencer (2003). These phenomena have been  
596 given as examples of maturation of grammatical systems ((Dahl, 2004, 184f)).  
597 Whilst a thorough investigation of paradigmatic phenomena in constructional  
598 paradigms is beyond the scope of this paper, what I want to show in what  
599 follows is that grammatical constructions with different composition and with  
600 different formal properties can enter into paradigmatic oppositions, i.e. that  
601 they exhibit something akin to suppletion of inflected forms.

602       I will use Bulgarian data again, and will focus the attention on the future  
603 tense forms of the verb ‘give’ discussed before in (17), repeated in (20) for  
604 convenience:

- 605 (20) 1 šte dam šte dadem  
 2 šte dadeš šte dadete  
 3 šte dade šte dadat

606 What is of interest here are the negated equivalents of these forms, shown  
 607 in (21) below:

608 (21)

	Negated future with <i>ne</i>			Negated future with <i>njama</i>	
	Singular	Plural		Singular	Plural
1	<i>ne šte dam</i>	<i>ne šte dadem</i>		<i>njama da dam</i>	<i>njama da dadem</i>
2	<i>ne šte dadeš</i>	<i>ne šte dadete</i>		<i>njama da dadeš</i>	<i>njama da dadete</i>
3	<i>ne šte dade</i>	<i>ne šte dadat</i>		<i>njama da dade</i>	<i>njama da dadat</i>

609 There are two sets of negated forms for the future tense: one set (on the  
 610 left-hand side of the table above) contains the addition of the expected negative  
 611 particle *ne* to the construction we showed in (20), the other (shown on the  
 612 right-hand side) is based on a different auxiliary verb altogether, namely the  
 613 negative form of the verb *imam* ‘have’. The data in (21) show that we can  
 614 have more than one construction expressing the same grammatical meaning,  
 615 or competing for the same paradigmatic slot. That more than one form might  
 616 express the same meaning or compete for the same paradigmatic niche is not  
 617 a new observation (see discussion in the context of grammatical maturation in  
 618 (Dahl, 2004, 120, 128f), for example, or, with reference to Bulgarian data in  
 619 Manova (2006)). With respect to periphrasis this phenomenon (under the term  
 620 ‘overabundance’ following Thornton (2011) and Thornton (2012)) is discussed  
 621 in Aronoff & Lindsay (2015) and Bonami (2015), for instance. Eventually one  
 622 form might disappear. This seems to be what is happening in this case: the  
 623 construction with *ne*, even though it represents the way negation is implemented  
 624 normally in the language, is felt to be old-fashioned by the speakers of the  
 625 language and is used much less frequently (see for example notes in (Banova,

626 2005, 22)).

627 More importantly, though, the negated future with *njama* and the non-negated  
628 future are, in some sense, in paradigmatic opposition to each other: they  
629 express the same morphosemantic feature, but with polar values for negation.<sup>20</sup>  
630 The two forms, however, bring together in one paradigm function words based  
631 historically on two different lexemes, *šta* ‘want’ and the fused negated form  
632 *njamam* of the verb *imam* ‘have’. It is for this reason that these forms are  
633 reminiscent of suppletion in inflectional paradigms. Similar ‘suppletion’ can be  
634 found in the split auxiliary systems of Romance and Germanic. We mentioned  
635 before that paradigmatic organization can be an important reflex of grammatical  
636 status. A very lucid discussion of paradigmatic organisation and (periphrastic)  
637 constructions can be found in Bonami (2015).

638 The negated future can also be used to reinforce the point that two constructions  
639 which exhibit paradigmatic organization, and which appear to be equally grammatical,  
640 can be affected differently by the processes of grammaticalization. The properties  
641 of the future clitic auxiliary have been discussed already. To enable a comparison  
642 with the negated future construction with *have*, a brief characterisation is included  
643 below.

644 Like the future clitic, the fused negated form of the verb *imam* ‘have’ is  
645 invariant and does not agree with the subject. However, *njama* is not a clitic.  
646 It can easily take clause-initial position and it can be separated from the *da*-form  
647 of the verb by fairly substantial syntactic material as in (22) (see also (Nicolova,  
648 2008, 305-306)):

649 (22) *Njama v nikakäv slučaj da tärsja partijna podkrepa.*  
        have.not in no case DA seek.1SG party support  
650 ‘Under no circumstances will I seek support from the party’.

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<sup>20</sup>If we assume that these constructions express a value of the feature ‘tense’, then they are also in paradigmatic opposition to inflected tense forms.

651 *Njama* is different from *šte* also in so far as it takes a verb with the particle  
652 *da*.<sup>21</sup> In this respect *njama* behaves in a way that is similar to modal verbs  
653 like *trjabva* ‘must’ and *iskam* ‘want’. Although *njama* has frozen in the default  
654 agreement form (similar to *trjabva* ‘must’), the verb embedded in the *da*-clause  
655 does agree with the subject, so the information about the subject is recoverable  
656 from it, compare (23a) with (23b) below. Both in modal verb and in the *njama*  
657 future constructions the subject can be expressed overtly, see (23c) and (23d).  
658 In some modal verb constructions the embedded verb can have a subject that  
659 is different from that of the main clause (see 23e). By contrast, *njama* and the  
660 subcategorised clause cannot have different subjects (23f). In this respect *njama*  
661 is not unique, however: some other modal verbs like *trjabva* ‘must’ behave in  
662 the same way (23g). *Njama* does not appear to contribute a predicate of its  
663 own, and cannot be modified, unlike, for example, *iskam* ‘want’ (see 23h and  
664 23i).

- 665 (23) a. *Njama da dam cvetjata na učitelkata.*  
have.not DA give.1SG flowers.DEF to teacher.F.DEF  
666 ‘(I) won’t give the flowers to the teacher’.
- 667 b. *Njama da dade cvetjata na učitelkata.*  
have.not DA give.3SG flowers.DEF to teacher.F.DEF  
668 ‘(He) won’t give the flowers to the teacher’
- 669 c. *Maria njama da dade cvetjata na učitelkata.*  
Maria have.not DA give.3SG flowers.DEF to teacher.F.DEF  
670 ‘Maria won’t give the flowers to the teacher’.
- 671 d. *Maria iska da dade cvetjata na učitelkata.*  
Maria want.3SG DA give.3SG flowers.DEF to teacher.F.DEF

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<sup>21</sup>The status of *da* has been discussed in the literature but, to the best of my knowledge, there is no definitive analysis. Interesting data are presented and interpreted in Rudin (1986), Simov & Kolkovska (2002) amongst others. What is important here is only to note that the syntactic structure associated with the *njama*-construction is more complex than that associated with the *šte*-construction. *Da* has been glossed simply as DA.

- 672 ‘Maria wants to give the flowers to the teacher’
- 673 e. *Az iskam Maria da dade cvetjata na učitelkata.*  
 I want.1SG Maria DA give.3SG flowers.DEF to teacher.F.DEF  
 674 ‘I want Maria to give the flowers to the teacher’
- 675 f. *\*Az njama Maria da dade cvetjata na učitelkata.*  
 I have.not Maria DA give.3SG flowers.DEF to teacher.F.DEF  
 676 ‘?I won’t Maria to give the flowers to the teacher’
- 677 g. *\*Az trjabva Maria da dade cvetjata na učitelkata.*  
 I must Maria DA give.3SG flowers.DEF to teacher.F.DEF  
 678 ‘?I must Maria to give the flowers to the teacher’
- 679 h. *Az mnogo iskam da dam cvetjata na učitelkata.*  
 I very want.1SG DA give.1SG flowers.DEF to teacher.F.DEF  
 680 ‘I very much want to give the flowers to the teacher’
- 681 i. *\*Az mnogo njama da dam cvetjata na učitelkata.*  
 I very have.not da give.1SG flowers.DEF to teacher.F.DEF  
 682 ‘I very much won’t give the flowers to the teacher’.

683 As we can see, the morphosyntactic properties of the *njama + da + verb*  
 684 construction are quite different from those of its non-negated counterpart with  
 685 *šte*. However, it is not clear on what grounds we might wish to claim that this  
 686 construction is less grammatical than the one with *šte*, since it is semantically  
 687 analogous to the one with *šte* and enjoys the same generality.

688 One property the grammatical constructions we have reviewed share is that  
 689 the function word/clitic does not contribute a predicate of its own. We already  
 690 saw evidence for this in the discussion of the *njama* construction above, and this  
 691 is even clearer for constructions where the function word has cliticised. It is the  
 692 equivalence of (lexical) meaning between the construction as a whole and the  
 693 lexical word contained in it that leads to descriptions where the construction is  
 694 defined as a ‘form of a lexeme’.

695 And conversely, when we find a construction that seems to express some  
 696 abstract grammatical meaning (e.g. time reference), but also appears to be

697 associated with some meaning that is over and above the meaning of the lexical  
 698 form contained in it, we may wish to deny it the status of a ‘word form’. This  
 699 is illustrated in the next section with Bulgarian and Macedonian data.

## 700 6 Additional meanings

701 This section is devoted to a construction that has developed meanings over and  
 702 above the lexical meaning associated with the non-auxiliary verb it comprises.  
 703 According to (Xaralampiev, 2001, 146), Trifonov (1908) drew attention to constructions  
 704 with impersonal (3SG) *ima* ‘have’ + *da* + verb in Modern Bulgarian. These  
 705 constructions, which are descendants of the Old Bulgarian future tense constructions  
 706 with *ima*, are formal counterparts of the *njama*-constructions discussed above.  
 707 But while the constructions with *njama* became part of the future tense, the  
 708 constructions with the non-negated ‘have’ acquired additional meaning, i.e. they  
 709 lexicalised.

710 As Dahl (2004) points out, a number of patterns may compete to express  
 711 the same linguistic meaning. As in the case of words with similar meanings, the  
 712 competition could be resolved in various ways: a pattern might disappear and  
 713 give way to a competitor (the forms of the future negated with *ne* above), or it  
 714 might specialise by acquiring additional meanings. The *ima-da*-verb construction,  
 715 which initially competed to be the exponent of future tense, seems to have  
 716 suffered the latter fate. Examples of this construction can be found in (24):

- 717 (24) a. *Ima da čakaš da dojde rejsa.*  
 have.PRS.3SG DA wait.PRS.IPFV.2SG DA come.PRS.3SG bus.THE  
 718 ‘You will have to wait for a long time for the bus to come.’
- 719 b. *Ima da se čudite kade ste*  
 have.PRS.3SG DA REFL wonder.PRS.IPFV.2PL where be.PRS.2PL  
 720 *složili cvetjata.*  
 putLPTCP.PL flowers.THE  
 721 ‘You will wonder for a long time where you put the flowers.’

722 As we can see from the translations above, the *ima-da*-verb construction has  
 723 the additional meaning that the eventuality denoted by the verb is lengthy and  
 724 unavoidable and, in some context, obligatory. What is more, the *ima-da*-verb  
 725 constructions are limited to colloquial language. It is not clear that this additional  
 726 meaning should be associated specifically with the function word in this construction  
 727 (according to (Xaralampiev, 2001, 146) the impersonal verb *ima* has lost its  
 728 lexical meaning and serves only to indicate futurity).

729 In the modern language the *ima-da*-verb constructions are limited to imperfective  
 730 verbs, though this is a new restriction according to (Xaralampiev, 2001, 146).  
 731 He gives the following relatively recent (early 20th century) example of an  
 732 *ima-da*-verb construction with a perfective verb:<sup>22</sup>

733 (25) *Osoben kurier otiva 24 casa napred v grada, gdeto*  
 special courier go.PRS.3SG 24 hours in-advance in town, where  
 734 *knjazăt ima da spre.*  
 duke.DEF have.PRS.3SG DA stop.PRS.PFV.3SG  
 735 ‘A special courier goes to the city, where the duke will have to stop, 24  
 736 hours in advance.

737 If indeed this construction has narrowed down its scope, then in some sense  
 738 it has suffered loss of grammatical status.

739 Formally, the *ima-da*-verb construction is similar to its negated cognate with  
 740 *njama* ‘not-have’. *Ima* ‘have’ shows no agreement with the subject (compare  
 741 26a and 26b). It does not behave like a clitic. It can be clause-initial and though  
 742 some material can come between *ima* and the verb (see 26c), there is a strong  
 743 preference for *ima* to stay close to the verb. As in the case of *njama*, *ima* and  
 744 the verb in the subcategorized clause must have the same subject (see 26d).<sup>23</sup>

<sup>22</sup>With a perfective the additional lexical meaning expressed by the *ima-da*-verb construction is less pronounced.

<sup>23</sup>The *ima-da*-verb construction needs to be distinguished from another construction with an inflecting verb *imam* ‘have’ which agrees with the subject. The construction with the



- 745 (26) a. *Ima da čakaš da dojde rejsa.*  
 have.PRS.3SG DA wait.PRS.IPFV.2SG DA come.PRS.3SG bus.DEF  
 746 ‘You will have to wait awhile for the bus to come.’
- 747 b. *Ima da čaka da dojde rejsa.*  
 have.PRS.3SG DA wait.PRS.IPFV.3SG DA come.PRS.3SG bus.DEF  
 748 ‘(He/she/it) will have to wait awhile for the bus to come.’
- 749 c. *Maria ima dalgo da čaka da*  
 Maria have.PRS.3SG long DA wait.PRS.IPFV.2SG DA  
 750 *dojde rejsa.*  
 come.PRS.3SG bus.DEF  
 751 ‘Maria will have to wait awhile for the bus to come.’
- 752 d. *\*Marja ima az da čakam da dojde*  
 Maria have.PRS.3SG I DA wait.PRS.IPFV.1SG DA come.PRS.3SG  
 753 *rejsa.*  
 bus.DEF  
 754 ‘?Maria will I have to wait for a while for the bus to come.’

755 By contrast, the cognate Macedonian construction can express futurity,  
 756 albeit rarely, according to the research cited in (Tomič, 2012, 361-362). More  
 757 commonly, constructions with *ima* express modal meanings such as obligation,  
 758 and, with first person subjects, duty. The following examples are from (Tomič,  
 759 2012, 362):

- 760 (27) a. *Ima da dojdət!*  
 have.PRS.3SG DA come.PRS.3PL  
 761 ‘They have to come!’
- 762 b. *Ima da go zememe!*  
 have.PRS.3SG DA 3SG.ACC.M take.PRS.1PL  
 763 ‘We shall have to take it!’

inflecting *imam* is closer to the English ‘have’, ‘must’, i.e. ‘to have a task, or an obligation’.  
 Further details are available in (Xaralampiev, 2001, 146).

764 **7 Relationships with inflected forms**

765 In the previous section we encountered a construction which has acquired additional  
 766 semantics (it has lexicalised) and has lost some of its scope, i.e. it does not  
 767 admit all the lexemes of the relevant class, but only a subclass. One of the  
 768 reasons, then, why such a construction might be considered less grammatical is  
 769 its lack of generality. This section contains a brief discussion of a construction  
 770 which, in comparison to its inflected counterparts, seems to present the opposite  
 771 phenomenon – it is ‘overly’ general.

772 The construction in question is a negative imperative and can be found  
 773 again in Bulgarian. This language, like other Slavic languages, has an inflected  
 774 imperative which in the modern language is restricted to 2SG and 2PL forms  
 775 (illustrated in 28 below with the verb ‘give’). Without negation imperative  
 776 forms are possible with both perfective and imperfective verbs, whereas with  
 777 negation only imperfective verbs are accepted.

778 (28)

2SG PERFECTIVE	2PL PERFECTIVE
daj	dajte
2SG IMPERFECTIVE	2PL IMPERFECTIVE
davaj	davajte
2SG NEGATED PERFECTIVE	2PL NEGATED PERFECTIVE
*ne daj	*ne dajte
2SG NEGATED IMPERFECTIVE	2PL NEGATED IMPERFECTIVE
ne davaj	ne davajte

779 The negated forms have periphrastic counterparts, with a fused negative-imperative  
 780 verb, historically a form of a lexeme with the meaning ‘not do’, and a shortened  
 781 infinitive form of the lexical verb (only imperfective forms are given, as only  
 782 imperfective forms are possible):<sup>24</sup>

<sup>24</sup>As mentioned before, the infinitive has disappeared from Modern Bulgarian. The form

783 (29) 2SG NEGATED 2PL NEGATED  
 nedej dava nedejte dava

784 There is another construction, however, which is identified by a number of  
 785 scholars (see, for example, (Čakářova, 2009, 64ff.) and references therein) as  
 786 a grammatical means for expressing a negative imperative. It consists of an  
 787 invariant form *stiga* ‘enough’ and a present perfect or shortened infinitive form  
 788 of the (imperfective aspect form of the) verb. It is illustrated in (30) below,  
 789 using present perfect forms of the verb *dam* ‘give’.<sup>25</sup>

790 (30) *stiga sãm daval stiga sme davali*  
*stiga si daval stiga ste davali*  
*stiga e daval stiga sa davali*

791 Čakářova (2001) lists a number of criteria which, according to her, define  
 792 these constructions as analytic verb forms, rather than free syntactic combinations.

793 Implicit in some of the criteria she lists is the notion of irregularity. Grammatical  
 794 constructions tend to be more ‘irregular’ (like inflected forms), whereas syntactic  
 795 structures tend to be more ‘regular’. More specifically, Čakářova (2009) lists  
 796 the following properties as being of importance in the case of the construction  
 797 in (30): none of its constituent parts is itself inflected for the imperative, nor  
 798 does it tolerate a combination with other means of expressing the imperative;  
 799 the form *stiga* has lost its lexical meaning (i.e. it no longer means ‘enough’ or  
 800 ‘sufficient’); the construction is not marked for tense and in that sense makes  
 survives only in a limited range of patterns, which highlights yet again their status of  
 constructions. On the other hand, speakers often replace the disappearing shortened infinitive  
 with the more usual *da*-forms of verbs, such that it is also possible to say *nedej da davaš* ‘don’t  
 give (2SG)’ and *nedejte da davate* ‘don’t give (2PL)’.

<sup>25</sup>According to (Čakářova, 2009, 66), these forms are more frequent than the ones with the  
 shortened infinitive. Note that the present perfect forms are themselves periphrastic and are  
 composed of the form of the verb BE in the respective person/number and the I-participle of  
 the verb.

801 no temporal distinctions (in this respect it is similar to the imperative), and the  
802 position of *stiga* relative to the verb is fixed.

803 However, the construction above is also in a sense more ‘regular’ than the  
804 respective inflected forms, or at least more ‘general’, given that it exists in all  
805 person/number combinations, unlike the inflected imperative. If we take the lack  
806 of 1 and 3 person forms to be definitional of imperatives, then the generality of  
807 the *stiga*-construction is problematic. In other words, comparing the behaviour  
808 of constructions to that of inflected forms could in itself be influential on how  
809 we judge their grammatical status.

810 There is an additional reason to doubt the grammatical status of *stiga*-constructions:  
811 they can only be used to refer to situations that have obtained for some time.  
812 For example, one can use the sentence in (31) below only when some statements  
813 have already been made. In other words, they have presuppositions that are  
814 similar to those of the English verb *stop*.

815 (31) *Stiga ste davali izjavleniia.*  
          enough be.PRS.3PL give.LPTCP.PL statements  
816       ‘Stop making statements’

817 This construction, then, is another case in which formal properties that  
818 could indicate grammaticalization (as the ones noted by Čakřrova (2009)) do  
819 not correlate very well with grammatical status. Our judgement of grammatical  
820 status depends to an extent on how the construction compares to related forms,  
821 for example in this case the inflected imperative.

## 822 8 Conclusion

823 This paper has argued, following authors like Joseph (2004) and others, that  
824 grammatical status (being grammatical) and morphologization need to be kept  
825 conceptually distinct, even though they are often intertwined. The discussion

826 of the *have*-perfect construction demonstrated that in two related languages,  
827 Bulgarian and Macedonian, it has made a transition from being lexical to  
828 being grammatical, with a concomitant shift from a biclausal structure to a  
829 monoclausal one and a change from a lexical verb (with lexical meaning) to  
830 an auxiliary (with grammatical meaning). The status of the construction in  
831 the two languages appears to be different, however, which could also be linked  
832 to its generality. The more limited generality of the construction in Bulgarian  
833 seems to correlate with a somewhat different set of surface properties too: in  
834 both languages there have been changes in word order but only in Macedonian  
835 agreement patterns reflect the new structure of the construction. In both  
836 languages the *have*-perfect construction has a doppelgänger - the *be*-perfect.  
837 The availability of another form might additionally impact of judgements about  
838 the place of the *have*-perfect in the system of grammatical distinctions in the  
839 two languages. The overall conclusion, namely that functional patterns and  
840 formal patterns do not necessarily align, is reminiscent of observations made  
841 with respect languages typologically different from the ones discussed here, e.g.  
842 by Enfield (2003).

843 However closely linked to grammatical status, formal properties are not a  
844 reliable indicator of grammatical status. Constructions that have achieved full  
845 generality and have long been considered ‘grammatical forms of lexemes’ in  
846 traditional grammatical descriptions can have different structures and contain  
847 function elements of different kinds, for example, full words or clitics with  
848 a range of different properties. If we assume that morphologization is not  
849 a good measure of grammatical status, we need to pay attention to other  
850 factors that might impact our judgement of how grammatical a structure is.  
851 Important aspects of being ‘grammatical’ seem to be the degree of abstractness  
852 of meaning, generality of application, and obligatoriness. The discussion of the

853 *ima-da*-verb construction aimed to show that the overall place of a construction  
854 in the system of grammatical distinctions and the relative lack of idiosyncratic  
855 semantic distinctions are also important indicators of grammatical status. The  
856 *ima-da*-verb construction appears to have lost out the position of future tense  
857 exponent to a construction with the particle *šte*. In some sense, we judge  
858 constructions as more grammatical if we can place them in a system of intersecting  
859 obligatory interrelated distinctions. Thus, a construction is more likely to be  
860 considered a tense if we can show that it stands in contrast (semantically and  
861 grammatically) with other forms that denote ‘tense’.

862 Forms that are part of a small and closed system of obligatory intersecting  
863 (grammatical) distinctions that cross-classify a sub-set of the lexicon are often  
864 said to be in a paradigm, especially when they are inflected forms. Paradigmatic  
865 organisation, as the discussion of the future and negated future forms shows,  
866 is also independent of the formal properties of constructions. Paradigmatic  
867 organisation is often considered a hallmark of being grammatical.

868 Grammatical forms that are constructions, rather than inflected words, present  
869 challenges to both syntactic and morphological models. One of the properties  
870 that was associated above with being grammatical – being part of a paradigm  
871 – has been seen as an important reason to assimilate constructions into the  
872 morphology, rather than the syntax (see Börjars et al. (1997) or Sadler &  
873 Spencer (2001), more recently Bonami (2015) and Bonami & Samvelliian (2015),  
874 for example). Grammatical constructions express grammatical meaning that is  
875 not always easy to pin on one of their elements, and could be in conflict with  
876 the inflections carried by elements of the constructions. Such (morphosyntactic)  
877 non-compositionality can be a challenge if an attempt is made to model these  
878 via the syntax, so a case for assimilation into a morphological model could  
879 be made (see, for example, Ackerman & Stump (2004)). The heterogeneous

880 group of entities often grouped under the label ‘clitic’ that appear to be neither  
881 independent words, nor proper parts of words, present problems for both a  
882 morphological and a syntactic approach (see, for example, the proposal to  
883 generate the Bulgarian past perfect tense discussed above in the syntax, but  
884 to consider the present perfect to be quasi-morphological put forward in Pitsch  
885 (2010)).

886 In trying to define what ‘grammatical’ means, this paper makes some points  
887 that are similar to those in other works, Boye & Harder (2012) for example,  
888 and references therein. For them, being grammatical is a binary property and  
889 is linked to the inability of an expression to assume prominence in discourse.  
890 Where the authors of that work admit degree of grammaticality, they link it to  
891 formal properties traditionally assumed in grammaticalization research. There  
892 are important correlations between being grammatical and having certain formal  
893 properties. The formal properties of grammatical constructions might also have  
894 important consequences for their modelling in the grammar. Overall, however,  
895 this paper extends the argument that in looking at grammatical constructions  
896 there is a need to go beyond the degree of grammaticalization of the function  
897 word and to look at properties like paradigmaticization, generality and obligatoriness.

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