Monopositional syllabic consonants: Evidence from Slovene and English

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Intro

- syllabic consonants: "phonological hermaphrodites" (Scheer 2004): mixtures of vocalic and consonantal characteristics (phonetic consonants in a vocalic phon. function)
- (synchronically or diachronically) arise from the deletion of a vowel (schwa, yer) and the subsequent spreading of the melody of the following consonant (typically, a sonorant)
- native intuition/versification: syllable peaks

Roadmap

- theoretical frameworks considered: (standard)
 Government Phonology (GP) and Strict CV (or CVCV) Phonology – representation-based phon.
- previous proposals for the representation of syllabic cons's: "hermaphrodites" bec. both C and V
- present proposals: (i) syllabic cons's may not have a uniform structure within a phonological system; and (ii) certain syllabic cons's are in fact monopositional

Theoretical framework

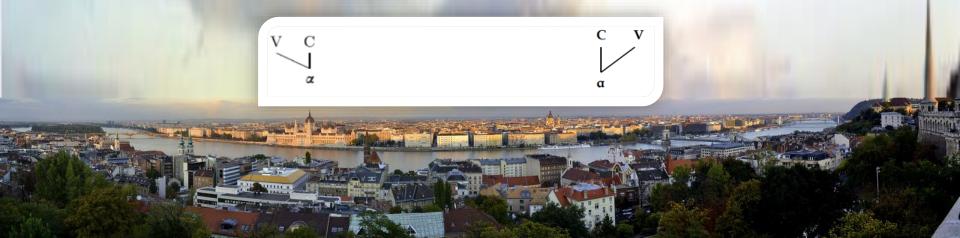
- GP/CVCV Phon.: input-oriented non-derivational representation-based framework
- phon. structure: CVCV tier + melodic tier (unary elements)
- surface clusters of consonants/vowels sandwich empty prosodic slots, whose licensing/silencing is a function of the phonological ECP + parameters

left-branching VC structure

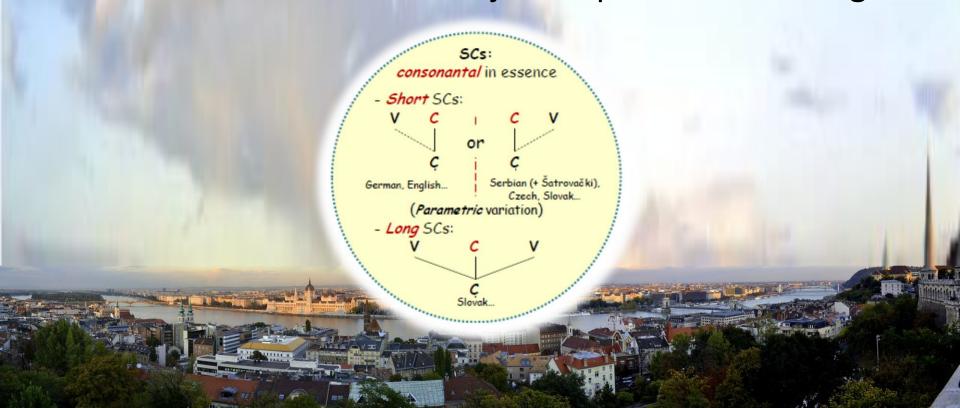
- Szigetvári 1999, Scheer 2004, Garami 2019, etc.
- a consonantal head spreads onto a vocalic position on its left

right-branching CV structure

- Rowicka 1999, Blaho 2004, etc.
- a consonantal head spreads onto a vocalic target in a CV string

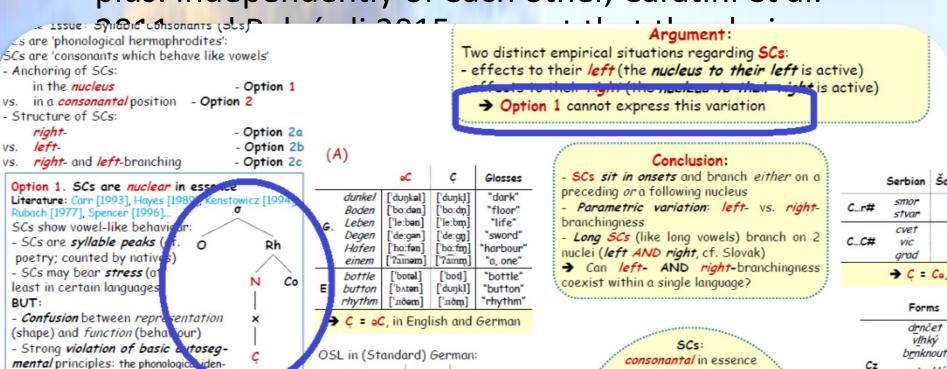


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 2011 and Polgárdi 2015 suggest that the choice between VC and CV is subject to parameter setting
- at the same time, both studies explicitly argue against the monopositional representation, when the syllabic consonant solely occupies a V position

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Glosses

"berry

bere

per Re

tity as well as the pronunciation of

depends on the type of constituent that they are

Previous proposals: Toft 2002

- the syllabic consonants of (Southern British) English
- difference between syllabic /l/ and /n/:
 - /l/ is syllabic irrespective of context, whilst the distribution of syllabic /n/ is context-dependent, after both singletons (e.g. bottle and button) and clusters (in words like dwindle and London)
 - wrt duration, syllabic /l/ patterns like onset /l/, not like coda /l/, nor as a distinct category; whereas syllabic /n/ patterns like coda /n/, and not like onset /n/, nor as a distinct category

Previous proposals: Toft 2002

 Toft's conclusion: the representations of the two syllabic sonorants differ:

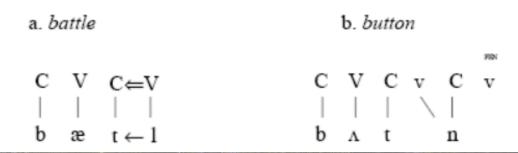
 i.e., syllabic /l/ exclusively sits in a V position, while syllabic /n/ is a complex structure filling a VC string

- mentioned in Toft 2002 and analysed in detail in Balogné Bérces 2005:
- tapping more readily takes place before a syllabic /l/ <- it occupies a V position, the situation simply reduces to the intervocalic case
- a word like battle is expected to exhibit the same behaviour (tapped /t/ plus syllabic /l/) as a word like Betty does (tapped /t/ plus vowel)

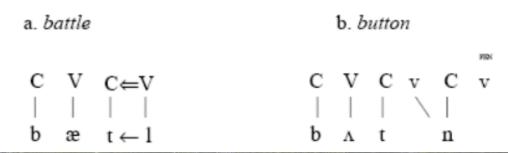
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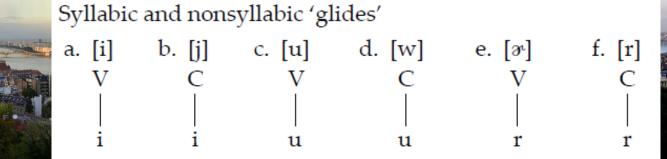


- mentioned in Toft 2002 and analysed in detail in Balogné Bérces 2005:
- syllabic /n/ is indeed a left-branching structure including the historical consonantal position
- it produces a consonantal environment for a preceding /t/, which may undergo glottalling as a result even in a tapping accent (cf., e.g., General American button [?])



- extend the monopositional analysis to syllabic /r/ in rhotic accents of English
- it behaves as a short, zero-stressed vowel (schwa) when unstressed (cf. better [r])
- (a related proposal is made in Szigetvári (2011: 72f): English syllabic /r/ (or an r-coloured schwa) is singly linked to a V position, while other syllabic consonants are VC sequences)

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- stressed syllabic /r/ patterns with long/"tense"/ "bimoraic" vowels:
 - it triggers no tapping (cf. words like taciturn)
 - + distributional evidence (Hammond 1999: 143–147) -> stressed syllabic /r/ behaves as a complex "bimoraic" sequence



	Tense	Lax	ay	aw	t
sp	-	hasp [hæsp]	-	-	-
st	beast [bist]	last [læst]	heist [hayst]	roust [rawst]	burst [bṛst]
sk	-	ask [æsk]	-	-	_
lp	-	help [hɛlp]	***	-	-
lt	bolt [bolt]	belt [belt]	-	-	-
lk	-	milk [mɪlk]	-	-	-
mp	-	ramp [ræmp]	-	-	-
nt	faint [fent]	rant [rænt]	pint [pʰãynt]	count [kʰãwnt]	(burnt [brnt])
ŋk	-	rank [ræŋk]	=		-
ps	-	lapse [læps]	-	-	-
ts	-	blitz [blɪts]	= 0		
ks	-	fix [fiks]			-

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- in CVCV phonological terms: a VCV sequence
- cf. Caratini et al. 2011

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German, English.

- Long SCs:

• + distributional evidence (1/2 mmond 1999: 143–147) -> stressed syllabic / consonantal in essence complex "bimoraic" sequence - Short SCs:

(Parametric variation)

Serbian (+ Šatrovački),

Czech, Slovak...

- in CVCV phono
- cf. Caratini et a

sequence

- stressed syllabic /r/ patterns with long/"tense"/ "bimoraic" vowels:
 - it triggers no tapping (cf. words like taciturn)
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- in CVCV phonological terms: a VCV sequence
- cf. Caratini et al. 2011; cf. Savu 2019:

Interim conclusions

- syllabic cons's do not have a uniform structure universally – parametrically – within a phonological system
 - /l/ versus /n/ in English
- certain syllabic cons's are in fact monopositional
 - /l/ and /r/ in English (at least) the most sonorous cons's, with glide-like behaviour (vocalisation – linking – insertion/intrusion, cf. Balogné Bérces 2008)
- stressed syllabic /r/ in rhotic E is long: V(C)V

- to supplement the English (Germanic) example with illustration from a Slavic language (we have Slovene, Polish, Czech and Slovak within the scope of our investigations)
- Slovene syllabic /r/: surprising freedom in its distribution:
 - word-finally and preconsonantally (e.g., vrh 'top')
 - plus: word-initially (e.g., rdeč 'red'), where other Slavic languages treat historically yer-related sonorants as "trapped", i.e., as non-nuclear: Czech Ihát ('to die'), Russian rta ('mouth GenSg'), Slovak rmut ('haze NomSg')

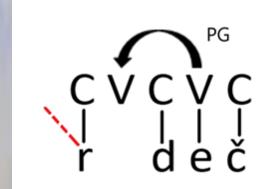
- syllabic trill in Slovene: a a+C sequence, inherent a or syllabic allophone of r?
- in "a+C" sequences the /a/ is a phonetic element present in nuclear and non-nuclear trills as an essential part of trill production (Jones 2002)
- that is, what sounds like a a+C sequence is phonologically a single syllabic consonant

- it behaves as a vowel (hence the distributional freedom)
- it may even receive stress, in which case it behaves as a long vowel similarly to the "plain" vowels of Slovene

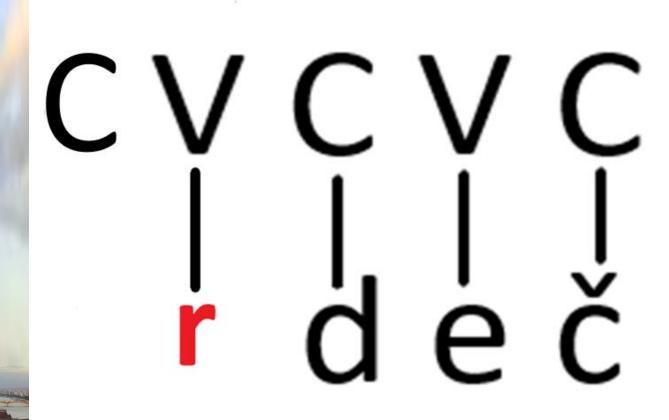


/r/ in Slovene – in CVCV Phonological terms

/r/ in word-initial position



 syllabic cons's are left-branching – but where to spread word-initially?



Conclusions

- evidence for monopositional syllabic consonants
- (at least) the liquids /l/ and /r/ are capable of exhibiting glide-like behaviour: the same melodic set-up being consonantal/non-syllabic in C position and vocalic/syllabic in V position
- in certain phonological systems (languages/ varieties)

Conclusions

- /r/: distributional evidence in English (Hammond, Szigetvári) and Slovene + prevocalic lenition context in English
- /l/: distributional and phonetic evidence in English (Toft) + prevocalic lenition context in English
- remaining issues, e.g.:
 - parameters?
 - the function of the melody/sonority of the cons?
 - Slovene /r/ not "satisfied" with being trapped initially?

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