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Notes on the contact between Italo-Albanian and Romance (Calabrian, Lucanian) varieties: borrowings, code-mixing and convergence.

In this work we will investigate hybridization, borrowing and grammatical reorganization phenomena in the communities of Ginestra (Lucania), and Vena di Maida (Calabria). Because of the political and cultural factors that for centuries have kept the Italian peninsula in conditions of great administrative and social fragmentation, dialectal differentiation in Italy has been preserved longer (i.e. up to the present day) than in other areas of Western Europe, including Romance speaking ones (Manzini and Savoia 2007, 2011a). This particularly holds for minority languages like the Arbëresh varieties, namely the Albanian varieties spoken by communities escaped from Albania as a consequence of the Ottoman occupation. Arbëresh varieties present the kind of variation from one another that we expect in natural languages in the absence of external constraints. Moreover, their long time contact with neighbouring Romance varieties is reflected in the extended code-mixing phenomena which characterize their lexicon and their morpho-syntactic organization (Savoia 1984, 2008).

Code-mixing and other processes of variation raise questions concerning the nature of the variation and its meaning for the theory of language, in other words about the internal factors that drive it. According to Chomsky (2000: 119), "the human language faculty and the (I-)languages that are manifestations of it qualify as natural objects". This approach – that "regards the language faculty as an "organ of the body" " - has been labelled the "biolinguistic perspective" (cf. Hauser, Chomsky and Fitch 2002, Chomsky 2005). Again according to Chomsky "There is a reason to believe that the computational component is invariant, virtually . . . language variation appears to reside in the lexicon". (Chomsky 2000: 120). Suppose then that the lexicon is the locus of linguistic variation-in the presence of a uniform, that is, invariant, computational component, and of an invariant repertory of interface primitives, both phonological and conceptual. We take this to mean that there is a universal conceptual space to be lexicalized and variation results from different partitions of that space. So-called functional space

is just like all other conceptual space and there is no fixed functional lexicon which varies along the axis of overt vs. covert realization.

In the internalist (i.e. biologically, individually grounded) perspective that we adopt, variation and contact between two or more dialects (linguistic communities) is in fact not qualitatively different from variation within the same dialect (community), or even within the productions of a single speaker. To the extent that speakers alternate, say, between stylistic levels according to the situation of use, they will have a bilingual competence of sorts – which given the lexical parametrization hypothesis adopted here, can be accounted for as the co-existence of different lexicons with a single computational component (MacSwan 2000).

As we will show, the mechanisms of variation stem in the last analysis from the fundamental structures of human language rather than from the simple external pressure of cultural and communicative necessities, as functionalist conception would maintain. We are obviously aware that the socio-cultural context and communicative relevance requirements may motivate linguistic variation, directing the attention of the speakers and driving their communicative intentions. Nevertheless, the way that language mixing, borrowing and change work depends on the cognitive constraints that define the Faculty of Language in the sense of Hauser, Chomsky and Fitch (2002). More directly, the sensory-motor (SM) and conceptual-intentional (CI) interface levels are activated, which associate phonological and semantic interpretations to the linguistics objects created by the mental grammar of the speaker.

1. Romance relexification in Arbëresh.

The descriptive literature on mixing phenomena supports the conclusion that in mixed languages the lexical bases of one language combine with the inflection system of the other one ('language intertwining', Bakker and Muysken 1994). Matras and Bakker (2003:1) provide the following definition of the phenomenon: "In the discussion context on Mixed Languages, we are concerned [...] with varieties that emerged in situations of community bilingualism, and whose structures show an etymological split that is not marginal, but dominant". The relation between the language which supplies morphology and syntax and the language which supplies the lexical items corresponds to the distinction between 'embedded language' and 'matrix language' (Myers-Scotton 2003). Contact, mixing, pidginization/creolization and other mechanisms, like 'setting' factors (Hymes 1974) and bilingual interaction, define the external conditions of variation.

Arbëresh varieties are associated with extensive relexification by Romance. Nominal bases illustrated in (1a)-(2a) take on the noun class, case, plural and definiteness morphology of Arbëresh; verbal bases, illustrated in (1b)-(2b) similarly take on distinctive Arbëresh inflections (Savoia 2008, 2009, 2010; see the detailed classification in Altimari 2011). For comparison we provide selected examples of the same (Romance) bases associated with Romance inflections, in (a')-(b'), and selected examples of the inflections associated with native Albanian bases in (b'').

(1)	a.	singular	plural	
		furt∫innə	furt∫inna	'fork(s)'
		furt∫inn-a	furt∫inn-ətə	'the fork(s)'
		kətsə	kotsa	'head(s)'
		kanarunnə	kanarunna	'neck(s)'
		məlunnə	məlunna	'melon(s)'
		kriateurə	kriateura	'boy(s)'
		vətrinnə	vətrinna	'glass(es)"
		məsalə	məsa√a	'tablecloth(s)'
		martiλλə	martiλλa	'hammer(s)'
	aʻ.	(local Romance var	riety)	
		furt∫eina	furt∫einə	'fork(s)',
	b.	tsumbon/tsumbon	nə	'I jump/ he jumps'
		fumon		'I smoke'
		fərmən		'I wait'
		turnon		'I come back'
		fərnən		'I finish'
		sfrizon		'I fry'
	b'.	(local Romance var	riety)	
		tsumbə/tsumba	'I jump/ he jumps'	Ginestra
(2)	a.	singular	plural	
		hərmikulə	hormikula	'ant(s)'
		hormikul-a	hərmikul-ətə	'the ant(s)'
		kanarots	kanarotse	'throat(s)'
		mɛlun	mεlunε	'melon(s)'
		sed3	sed3	'chair(s)'
		stip	stipe	'sideboard(s)'
		martελ	martελε	'hammer(s)'
		hadalic	hadalice	'apron(s)'
	a'.	(local Romance var	riety)	
		hormikula	hormikuli	'ant(s)',

b. kriðina /kriðin 'I believe/ he believes' rispundina 'I answer' 'I untie' ∫undina 'I go away' kaminana 'I think' pendzana kapi∫ina 'I understand' lejina 'I read' 'I pray' preyana setahəmə 'I sit down' 'I jump' kardzena ripettsana 'I darn' frijina 'I frv' 'I smoke' humana b'. (local Romance variety) kriju/kriðe 'I believe/ he believes' rispundu 'I answer' **Sundu** 'I untie' 'I go away' kaminu b". (native Albanian bases) 'I answer' prijejem 3g\lidina 'I untie' ikina 'I go away' Vena di Maida

Merging nominal or verbal hybrid forms in the sentence gives rise to morphosyntactic structures of the type in (3)-(4), where all the bases are Romance, and all the inflections and structures of syntactic embedding, for instance the article preceding the adjective in (4a) or the embedding by oblique case (without a Preposition) in (3a), are Albanian.

kristalir-252 (3)vatrin-a the.cabinet-Gen the.window-Nom 'the glass of the cabinet' Ginestra (4)bresta stip-in i ri a. I.bought the.sideboard.Acc the new 'I bought the new sideboard' b. hengra anελ-in the.lamb.Acc I.ate 'I ate the lamb' Vena di Maida

1.2 Conceptual categories in borrowing.

In the literature the acquisition of loans into a language is connected with functional generalizations, implicationally ordered like the one in (5), from Romaine (1995: 64).

(5) **Hierarchy of borrowing**Lexical items
Derivational morphology
Inflectional morphology
Syntax

Ease of borrowing
High

↑

Low

As for lexical classes, the literature suggests that nouns are favoured as possible borrowings, as indicated in the hierarchy in (6).

(6) nouns > adjectives > verbs > prepositions(Appel and Muysken 1987; Muysken 2000; Myers-Scotton 2006).

The tendency to prefer nouns is related by such authors as Poplack, Sankoff and Miller to the wider autonomy that nouns have in the discourse (Romaine 1995). On the contrary, verbs need to be integrated in the morphosyntactic system of the host language. Another generalization concerns the fact that loan processes and interference would tend to spare the nuclear lexicon - nouns denoting body parts, numbers, personal pronouns, conjunctions, etc. (Romaine 1995, Muysken 2000). These generalizations reflect the theoretical setting of the functionalist approach, inspired by notions like economy, processing facility, and so on, that are undermined, or called into question, by the data. In the case of the Romance borrowings into Arbëresh varieties, we see that nouns are regularly integrated in the case paradigms, as in (3)-(4) - so that it is far from obvious in which sense nouns would be less integrated into morphosyntax; more in general, inflectional elements treat all borrowings like the hereditary lexicon. Besides, a clear preference for the nominal borrowings in comparison with the verbal ones does not show up in (1)-(2). The borrowing of grammatical elements is also frequent, including formatives like the complementizer, which are generally taken to be immune from being borrowed (see section 2.1).

In short, lexical borrowing is traditionally dealt with as an external phenomenon, that does not affect the grammatical system. More precisely, it is seen as determined by extralinguistic pragmatic and cultural mechanisms. On the contrary, we see lexical borrowing as driven by cognitive constraints inherent to the language faculty. The literature on language acquisition highlights the fact that the wordworld relation favours words that refer to concrete things or events, perceptible and identifiable in the experience stream. Hence 'dog' or 'jump' are preferred to 'believe' or 'know' (Gleitman et al. 2005). We may therefore expect that this basic level of conceptual organization

causes the corresponding subpart of the lexicon to be more resistant to hybridization or to favour it, respectively. Other types of splits observed in the literature on language disorders and acquisition concern the different cognitive status of nouns and verbs (Luzzati and Chierchia 2002, Gleitman et al. 2005, Caramazza 1997). Caramazza and Shelton (1998) provide experimental evidence supporting the hypothesis that the animate/inanimate distinction is basic in the organization of the conceptual space, relating this categorial split to an evolutionary pressure that has fixed a specialized cognitive tool. Further identifiable categories include the 'imageability' of a referent and the frequency of the words in the denomination tasks, though Luzzatti and Chierchia (2002) observe that the verb-noun dissociations cannot "be simply discarded as an artifact resulting from unbalanced word frequency or imageability, but have to be accepted as a genuine part-of-speech effect". Dissociations which can be related to semantic properties of the event include the number of arguments, hence the contrast between transitives and intransitives, etc. In general, the results of researches into noun/verb dissociations in linguistic disorders suggest that the noun/verb split is translatable (largely) in terms of primitives like imageability, animacy, argumental structure, and frequency. We can think that such categories belong to the system of cognitive devices that organize our lexical knowledge, thus affecting acquisition processes that create mixed or secondary languages as well.

The distribution shown by the loanwords in the Arbëresh lexicon in (1)-(2) bears witness to differential access to borrowing and codemixing, whereby the majority of the loanwords denote artefacts and activities. The fact that the biological lexicon (body parts, animals, plants, etc.) resists can be explained as due to the precocity of its acquisition, which in turn reveals the crucial role played by genetically determined conceptual primitives. By contrast, artefacts involve properties like imageability and frequency of use of the relevant lexical elements, implying external socio-cultural and pragmatic factors. As for verbal borrowings, imageability seems to be again a relevant component: indeed, psychological and directional verbs, i.e. the less imaginable events, are the most persisting ones. The greater availability to borrowing in the case of verbs denoting activities can be related to a clearer imageability.

2. Convergence in sentential embedding

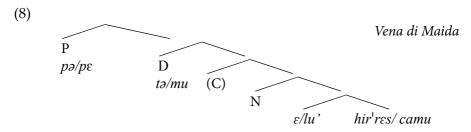
Gumperz and Wilson (1971) call convergence a type of grammatical reorganization associated with mixing and bilingualism, whereby coexisting languages have parallel or coinciding morphosyntactic systems. Some of the correspondences between Albanian and Romance varieties are not due to the specific contact between them.

For example, the absence of the infinitive and the use of subordinate sentences introduced by a particle in control contexts is a general Balkan feature, shared by Italian varieties of the extreme South. The syntactic constraints on these constructions are the same in the Romance and Arbëresh varieties of *Vena*, as shown in (7a-f) for Arbëresh and in (7a'-f') for Romance. The subject of the subordinate can occur in a post-verbal or topicalized position preceding the particle, for instance in (7b-b'), but it cannot insert between the complementizer and the embedded verb. The subordinate clause preceded by the particle can be inserted under a finite complementizer, as in (7c-c'). Arbëresh borrows the complex particle *pe mu* which is reproduced as *pə tə* in (7e), cf. (7e'). Some differences remain: in negative structures Albanian uses the specialized negation *mɔs*, in (7d).

(7)	a.	dua		tə	ha					
	a'.	vəţţu		mu	mandʒ	ζu				
		I.want		Prt	I.eat					
		'I wan	t to eat'							
	b.	bena	(kria ['] tı	uratə)	tə	frenə		(k	ria ¹ tuı	ratə)
	b'.	hattsu	(li hijj	i)	mu	¹ðɔrm	enu(li hijj	μi)	
		I.make	2	the ch	ildren	Prt	sleep)	the c	hildren
		ʻI mak	e the ch	nildren sl	eep'					
	c.	dua		(hε)	ai	tə	viŋŋ	a	ndzi	tu
	c'.	vəjju		(ka)	i√u	mu	vens	€	pres	tu
		I.want		that	he	Prt	com	es	soon	L
		'I wan	t him to	come so	oon'					
	d.	ka	tə	ri	cetu	рə	mos		ε	zJona
	ď.	aju	mu	st6u	t∫ittu		no	mu	lu	rizbijju
		I.have	Prt	I.stay	silent	for	not	Prt	him	I.wake.up
		'I mus	t be sile	nt not to	wake hi	m up'				
	e.	ju	harrov	a	(pa)	tə	lejin	l		
	e'.	mi	skorda	ıi	(pe)	mu	lεjia			
		me	I.forgo	t	for	Prt	I.rea	ıd		
		'I forg	ot to rea	aď						
	f.	ka	tə	daλ		рə	t	ε	hir'r	εs
	f'.	aju	mu	nε∬u		pε	mu	lu	camı	1
		I.have		go.out		for	Prt	hin	ı I.call	
		'I have	to go o	out to cal	l him'				$V\epsilon$	na di Maida

The combination of a $t\partial$ sentence with a preposition, in particular the preposition $p\partial$ observed in the purpose clauses and infinitival relatives of Arbëresh dialects, gives rise to a structure in which the preposition

represents an independent predicative head, taking the *ta* sentence as its complement, as illustrated in (8), which pairs the Romance and Albanian structure showing the strict parallelism.



The literature on subjunctive constructs identifies the particle with a Mood head (Rivero 1994) or more recently with a Modal complementizer in a split CP field (Roberts and Roussou 2003). Manzini and Savoia (2007) assume that introducers of the type of mu in South Calabrian varieties or to in Albanian are not modal elements. Rather they contribute to the embedded clause EPP properties involved in control and raising interpretations (Manzini and Savoia 2005, 2007). Briefly, in this analysis to and mu introduce a variable, very much as the infinitival inflection of Romance, accounting for control and raising (on PRO as a variable cf. Lebeaux 1984). The to/ mu variable can be identified with the matrix subject, therefore mediating the coreference between the matrix subject and the embedded D inflection of the verb. It is also possible for the EPP variable introduced by to/ mu to be identified only locally by the inflection of the verb and to therefore lack the control property. This corresponds to the presence of an overt subject in particular in the right periphery of the sentence, as in (7bb'). Furthermore, if tə/mu imply that the EPP argument is a variable, we expect the lexicalization of an overt subject between ta/mu and the verb, i.e. in the EPP position, to be excluded, correctly.

The fact that $t\partial/mu$ is not in complementary distribution with sentential introducers, including both complementizers and prepositions, provides an obvious argument for treating it as different from both. Furthermore, in *Vena di Maida*, where the negation normally combines with $p\partial$ or the complementizer, it is in complementary distribution with $t\partial$, further distinguishing these various elements.

2.1 Convergence in the complementizer system

A second convergence which does not reflect the specific contact between Albanian and Romance is observed in the complementizer system, as in (9). Two finite complementizers, one of which coincides with the relative pronoun, as in (9b-b'), characterize not only standard Albanian, but also Romance varieties not in contact (e.g. Abruzzese). It is of note that the relative pronoun/ complementizer can occur in the progressive structure in (9c-c'), again shared by the Albanian and Romance varieties of *Vena*. What we do not find in standard Albanian is the further coincidence of the relative complementizer with the interrogative wh-phrase (which characterizes instead many Romance varieties, in contact and not), illustrated in (9d'-e').

(9)	a.	θ onə		hε/ sε	'viŋŋə	nə		
	a'.	'ðit∫εn	u	ka	vinne			
		they.sa	y	that	they.ca	me(A)/h	e.came(R)	
		'The sa	y that t	hey/he ca	ıme'			
	b.	dəla		ðəpu		t∫ə	εrðε	ti
	b'.	nε∬ivi	i	ðopu		ki	venisti	tu
		I.went		after		that	came	you
		'I went	out aft	er you ca	me in'			
	c.	jan		t∫ə	han			
	c'.	sunu		ki	['] mant∫anu			
		they.are		that	they.eat			
		'They a	are eatir	ıg'				
	d.	ai	e∫t	<u>ກ</u> εriu	t∫ə	mə hər'	ret	
	ď.	ε	kkiλλ	omu	ki	mi cam	a	
		he.is	the m	an	that	me calls	3	
		'He is t	he man	who is c	alling m	ıe'		
	e.	t∫ə	bben?	•				
	e'.	ki	hai?					
		what	you.d	0				
		'What	do you	do?'				Vena di Maida

Two complementizer systems in Romance have been taken to be an overt realization of the structural possibilities implied by the split CP (Ledgeway 2005). On the contrary, Manzini and Savoia (2003, 2005, 2011a) argue that they should be interpreted in an altogether different way, as providing evidence for the fact that complement sentences are a sort of free relatives, requiring a nominal embedding provided by the complementizer (cf. also Kayne 2010). This latter analysis can be applied to Albanian, though its extension goes beyond the limits of the present work.

3. Convergence in verbal structures

The Romance and Arbëresh varieties of *Vena* share a scheme of auxiliary selection which requires 'have' with all verb classes (active, middle-reflexive, unaccusative), as illustrated in (10a-c), except for the passive,

where 'be' occurs. In 'have' constructions the participle does not agree, while in 'be' constructions it does in Romance, in (10d'); in Arbëresh what agrees is the pre-participial article, in (10d). This parallelism is largely independent of specific contact. The *Vena* Romance distribution is of course independently attested in Southern Italian varieties not in contact (Manzini and Savoia 2005). Nevertheless Arbëresh forms the middle-reflexive with (*j*)*u* and the *have* auxiliary in (10b'), comparable to the *si* construction of Romance; standard Albanian has a 'be'- past participle form without the *u* clitic (Manzini, Roussou and Savoia 2015; cf. Turano 2011 for contact phenmomena in the Albanian variety of S.Nicola dell'Alto).

```
(10) a.
                                     kεſ
                                              ripettsa-rə
                           ε
      a'.
           sta kamisa
                           1
                                              ripettsa-tu
                                     avia
           this shirt
                           it
                                    I.had
                                              darned
           '(This shirt) I had darned it'
      b.
           ju
                  kizə
                                              seta-ra
      h'
                  avia
           m
                                              settatu
                  I.had(R)/they.had(A) sat down
           'I/They had sat down'
      c'.
           avianu venutu
           they.had
                           come
           'They had come'
      d.
                  kumi∫
                           est / kisε
                                                 λα-rə/ λα∫tu-rə
                                                                      (nga ajo)
           kjo
                                         ε
           this shirt
                           is / was
                                         Art
                                                 washed
                                                                      by her
           'This shirt is/was washed (by her)'
      ď.
           sta kamisa
                                    ripettsata
                           3
           this shirt
                                    darned
                           is
           'This shirt is darned'
                                                                Vena di Maida
```

More direct evidence of contact is provided by the fact that the Arbëresh grammar of *Vena* has acquired a participial suffix -t from Romance, specialized for 'be' contexts. This inflection appears on verbal bases of Romance origin, where it alternates with the Albanian inflection -r, see for instance (11a) vs. (10b). The -t participle has the agreement inflection -a for the plural, belonging to the usual Albanian nominal paradigm and it lacks the article, that appears in front of the participle in (10d), behaving like the adjectival borrowings that will be examined in section 4.2. This property is important insofar as it separates these participles from a participle in -t(a) which is independently documented in Albanian (Demiraj 1986, 2002), in some verbal classes. This form, unlike -t participles considered here, selects the preposed article, as in (11').

(11) a. jiʒə sɛta-ta they.were sat.down 'They were seated'

b. kjo kumi \int a \int t/ki l Λ E ripetsa-t (ŋga ai) this shirt is/was darned by him 'This shirt is/was darned (by him)'

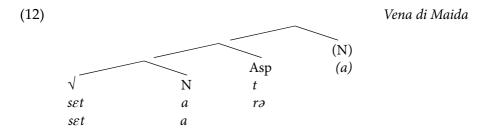
c. kitɔ kumiʃ jan/ki ʎɛn ripɛttsa-ta (ŋga ai) these shirts are/were darned by him 'These shirts are/were darned (by him)'

(11') a. ki 'λε i λag-t (s)he.was Art soaked '(S)he has been soaked'

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b. jan/ki¹/κεn
 they.are/they.were
 'They have been soaked (by him)'
 Vena di Maida

The participial structure in (12) schematizes the structural parallelism underlying the native Albanian and Romance participle, leading to the possibility of mixing the -t Romance participle inflection with an Albanian agreement like -a for the plural in (11a). In other words in (12) a borrowed morpheme selects a nominal agreement belonging to the native grammar. What is worthy of note from the point of view of the contact considered here is that the borrowing processes can touch also the morphological structure of the word, a type of internal mixing which will be discussed in section 6.



The auxiliary selection systems and the structure and agreement of participles of both Albanian and Romance is discussed in Manzini and Savoia (2005, 2007, 2011a), Manzini, Roussou and Savoia (2015) and we will not enter into the matter here in any detail. Among other conclusions, in our work we reject the idea that auxiliary selection is tied to hierarchies of predicates (Loporcaro 2007, Sorace 2000 for different accounts). Rather we propose that voice (Albanian middle-reflexive, Italian si) and (in)transitivity (unaccusativity) are two discrete and

independent parameters of auxiliary selection, crossing to yield finer grained parameterization. Auxiliary selection and participle agreement are taken to be independent. We further reject the identification of adjectival passives with stativity (Wasow 1977), as can be seen from the fact that the adjectival participles in (11') easily combine with agent by-phrases.

3.1 Convergence in the perfective past paradigm.

Arbëresh verbs with thematic vowel -a, $-\varepsilon$, -i form the perfective past by the addition of the inflection -ft/-st in all the persons, corresponding to Romance - ft/-st, which is however found only in the 2nd person in the paradigm in (13b). Arbëresh also shows the morphological alternant -v in the 1st/2nd singular (see the Romance paradigm in (13b)) and -u in the 3rd singular, which in turn coincides with the Romance inflection in the 3rd singular. Both the verbal bases with Romance etymology as in (13a) and native Albanian bases, as in (13c) are characterized by these innovations; comparison with the local Romance variety is provided in (13b).

(13) a. ripettsa-st-a/ ripettsa-v-a (A) ripεttsa-st-ε/ ripεttsa-v-ε ripettsa-st-i/ ripettsa-u ripettsa-st-əmə ripettsa-st-ətə ripettsa-st-ərə 'I darned, etc.

ripettsa-u ripettsa-me ripettsa-sti-vu ripettsa-ru kriði-st-a/ kriði-va

b.

kriδi-st-ε/ kriδi-vε kriði-st-i/kriði-u kriði-st-əmə kriði-st-ətə kriði-st-ərə 'I believed', etc.

kriði-v-i kriði-st-i kriði-u kriði-me kriði-sti-vu kriði-ru

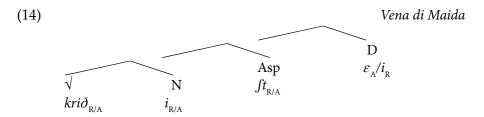
ripettsa-i (R)

ripettsa-st-i

c. λa-st-a λa-st-ε λa-st-i / λa-u λa-st-əmə λa-st-ətə λa-st-ara 'I washed', etc.

Vena di Maida

The internal structure of the forms in (13) brings to light once again an inflectional system being shared by Arbëresh and Romance, as illustrated in (14).



As with participles in (12), the exact correspondence between the morphological structures of Albanian and Romance makes word-internal mixing possible.

4. Nominal structures: Albanian interacting with Romance

The 3rd person object clitic system of Calabrian varieties distinguishes two singular forms, namely the masculine and the feminine, and a plural form, as illustrated in (15) for the variety of *lacurso*.

Iacurso

By contrast, the Romance variety of *Vena* reproduces the Albanian accusative clitic paradigm, which includes only one form for the accusative singular, i.e. ε , contrasting with the accusative plural (and dative) i. As a consequence, the Romance clitic paradigm of *Vena* has only two forms, la for the singular (masculine and feminine) and li for plural, as in (16a'-b'). The Romance dative is lexicalized by the (syncretic) locative (n)tfi (Manzini and Savoia 2005, 2007, 2008) in (16d'). In predicative contexts, la allows agreement with adjectives both masculine (nominal class -a) and feminine (nominal class -a), as in (16b').

(16)	a.	ε	ʎa∫ta					
	a'.	la	lavai					
		him/her	I.washe	d				
		'I washed him	n/her'					
	b.	ε	mɔra	mə	i	maθ/	ε	maðε
	b'.	la	різзаі	ccu		va∫∫u/	,	va∫∫a
		it	I.took	more	(Art) s	hort.m/	(Art)	short.f
		'I took it shor	ter'					

c.	i	mɔra		mə	tə	mbiðεɲ	
c'.	li	різзаі		ccu		va∬i	
	them	I.took	:	more	Art	short	
	'I tool	k them	shorter'				
d.	j-	a	ðε				
ď.	nt∫i	la	dɛtsi				
to.him it.m/f. I.gave							
	'I gav	e it to h	im'				Vena di Maida

The choice of -a, generally associated with the feminine nominal class, as inflection for the (gender neutral) accusative clitic is particularly worthy of note and may relate to the overall properties of the Albanian accusative clitic ε . This element occurs as feminine singular inflection in some nominal classes, cf. $d\varepsilon \Lambda - \varepsilon$ 'sheep' and represents the preadjectival article specialized for feminine in particular in the nominative singular (hence in all copular contexts, Franco, Manzini and Savoia 2015). An interesting point is that unlike clitics, Vena's Romance articles maintain the morphological distinction between la and lu. In fact, this different treatment between clitics and articles seems to confirm the lexical identification between the Albanian formative and the Calabrian one, given that the article systems of the two varieties are not homogeneous; indeed Albanian has an post-nominal article (more properly a definiteness inflection), while Romance has a pre-nominal element. The fact that in clusters with the dative, the a allomorph for the accusative shows up in Albanian, as in (16d) may also influence the Romance alignment.

4.1 Embedding in NP: nominal complements.

In Albanian varieties, the genitive complement of a noun is introduced by an article agreeing with the head noun, as for instance in (18a) (Manzini and Savoia 2011a, Franco, Manzini and Savoia 2015). Arbëresh however admits of constructions shaped on Romance syntax, in which the complement is introduced by a preposition, which in some dialects can be ∂a , in turn a Romance borrowing, as in (17). In other instances, the Albanian preposition yga is used, as in (18b). Having resort to a preposition (either borrowed or native) suggests a strong degree of unification between the two lexicons, and grammars, leading to the projection of the same syntactic structures in the two languages.

(17) nə bukir	ðə vitrə	
a cup	of glass	

Ginestra

(18)	a.	tə	biçətə	ε	saçə	
		Art	children	Art	hers	
		'her children'				
	b.	tə	biçətə	nga ajo		
		Art	children	by her		
		'her children'		•		Vena di Maida

4.2 Romance adjectival borrowings in Albanian.

Romance adjectival borrowings are generally characterized by an inflection -u, invariable in many varieties, for instance in *Ginestra* in (19b) – or possibly inflected in the plural where an -a ending is inserted, as in *Vena* in (19a). The formative -u is independently present in the inflectional system of Albanian, though it has a restricted distribution after bases with final yelar obstruent.

(19)		singular	plural		
á	a.	autu	autu/ auta	'tall'	
		va∫u	va∫u/va∫a	'short'	
		kruðu	kruðu/ kruða	'raw'	Vena di Maida
ł	b.	grassu		'fat'	
		magru		'thin'	
		mbunnu		'deep'	Ginestra

More to the point, loaned adjectives lack the preposed article typically selected by the native adjectives (Turano 2002), as in the copular sentences in (20), where Albanian grammar requires a preadjectival article, or linker (Manzini and Savoia 2011b, Franco, Manzini and Savoia 2015)

(20) a.	i∫t	mbunnu	
	it.is	deep.m/f	
a'.	jan	mbunnu	
	'they.are	deep'	Ginestra
b	. e∫t	kruðu/autu	
	(s)he/it.is	raw/tall	
b'	. jan	kruðu/kruða/autu/ auta	
	they.are raw	/tall	Vena di Maida

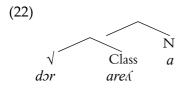
In Romaine's (1995) hierarchy in (5), the adjectival borrowings are in an intermediate position between the nouns and the verbs. The examples in (19)-(20) show that adjectival borrowings cover cognitive domains which include both individual-level properties

denoting spatial properties and dimensions, like *magru/autu*, and stage-level properties, like *kundend/kuntent*. On purely functional grounds, we may expect a particular resistance of the native lexicon in these areas concerning basic conceptual distinctions. On the contrary, the properties of these adjectives, either spatial/dimensional, or inherent perceptible ones, recalls the distribution of verbal borrowings.

In fact, we expect that other types of predicative elements will be borrowed, independently of the category they belong to; this may be true for the hypocoristic suffixes borrowed from Romance like $-(ar)\varepsilon A$ -, combining in (21) with native Albanian bases and inflections.

(21)	a.	noun hypocoristic form krax-u krax-ariλ-i vaiz-a vaiz-arελ-a		'arm/little arm' 'girl/little girl'	Ginestra	
	b.	krah-u dor-a	krah-arελ-i dɔr-arελ-a	'arm/little arm' 'hand/little hand'	Vena di Maida	

Nouns may be analysed as predicates specifying properties (Higginbotham 1985). In this perspective, we may think of hypocoristic suffixes as secondary predicates that individuate a sub-set of referents characterized as 'little/small'. These suffixes, introducing elementary properties concerning body size, affective components and so on, are labelled as Classifier in (22). The phi-features inflection introduces a further set of specifications concurring to individuate the referent (Manzini and Savoia 2011a, 2011b, 2014), by classifying it in terms of gender (nominal class) and number (i.e. countability). In (22) the inflectional element –*a* is indicated as N, for nominal class, and denotes feminine.



Crucially, hypocoristic elements, as conventionally morphological elements, escape the restriction that favours borrowing of complete lexical items, confirming that this generalization is merely superficial. A correct characterization of the hypocoristics as predicates comes much closer to predicting their availability for borrowing.

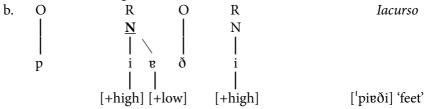
5. Phonology.

The vowel system of the Romance variety of *Vena* presents three height distinctions [i ε a $\mathfrak d$ u], as generally Calabrian varieties do; there is, however, an important difference, since the phonology of *Vena* does not have metaphony (Savoia and Maiden 1997, Savoia 2015). In North and Central Calabrian varieties, including those neighbouring *Vena*, stressed [ε $\mathfrak d$] are excluded when followed by unstressed [$\mathfrak i$ $\mathfrak d$]. In these contexts the metaphonic diphthongs [$\mathfrak i\mathfrak d$] occur, as in (23) for Iacurso.

(23)	[kurˈtɛz̞a]	'knives'	[kur ['] tiɐzุu]	'knife'	
	['pεðε]	'foot'	[ˈpiɐði]	'feet'	
	[ˈrɔta]	'wheel'	[ˈruɐti]	'wheels'	
	[lan'tsuɐlu]	'sheet'	[lanˈtsɔla]	'sheets'	Iacurso

In government phonology terms, metaphony stems from the fact that the height feature of an unstressed vowel (here the final vowel) must be licensed by the same feature associated to the stressed nucleus, as in (24a). This constraint yields surface harmony (i.e. metaphony), as in (24b).

(24) a. ATR metaphony [+high] and [+ATR] in the stressed nucleus license [+high, +ATR] in the following vowel.



The Romance dialect of *Vena* lacks the constraint in (24a), and low-mid vowels [ϵ \mathfrak{d}] occur also in contexts where they precede final [\mathfrak{i} \mathfrak{u}], as in (25a) – paralleling the Albanian variety in (25b).

Vena di Maida

5.1 Vena's consonantism

The consonantal inventory of *Vena*'s Romance variety lacks the retroflex which is normally present in Calabrian dialects. Instead we find the palatal lateral $[\Lambda \Lambda]$, as in (26a), which characterizes Romance borrowings into Arbëresh as well, as in (26b).

Similarly, intervocalic [h] corresponding to etymological *f in the Romance variety in (27a) appears in the Albanian variety in (27b) as well. However [h] in place of original *f characterizes some bases of the native Albanian lexicon, as in (27c), suggesting that the weakening of *f has been incorporated into the grammar of Arbëresh as a phonological rule.

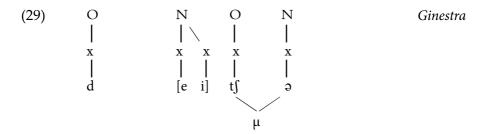
(27)	a.	[had'dale]	'apron'		(R)
		[ˈhimini]	'women'		
		[ˈhɔku]	'fire'		
		[hɔrˈmikula]	'ant'		
		[ˈhumu]	'I smoke'		
		[ˈbuha]	'toad'		
	b.	[hadaˈlic-i]	'the apron'		(A)
		[hɔrˈmikul-a]	'the ant'		
		[huˈmaɲa]	'I smoke'		
		[ˈbuh-a]	'the toad'		
	c.	[i 'hɔrtə]	'hard'	(Albanian <i>i fortë</i>)	
		[ˈcah-a]	'the neck'	(Albanian <i>cafa</i>)	Vena di Maida

5.2 Diphthongization of the stressed nucleus in the Arbëresh of Ginestra. In the Arbëresh variety of Ginestra stressed vowels in open syllables diphthongize, as in the Lucanian dialect also spoken by bilingual people. The data in (28)-(28') compare stressed syllables occurring in penultimate position in (a-d), and in antipenultimate position in (d'-d"), in the Albanian and Romance dialects. The Arbëresh data show a subtly different diphthongization pattern, in that diphthongization takes place also in antepenultimate position, cf. (28d'-d"), contrary to the Romance pattern, for instance in (28'd').

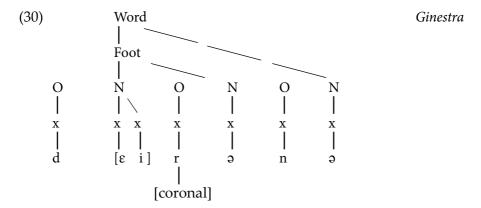
(28) a.	t	a	beimi	(A)
	to.you	it	we.bring	
b.	əm	a meua		
	give	it to.me		

c.	a/u	ðəbεura				
	it/Refl	I.lost				
d.	deirə		ď.	dεi	rə-nə	
	hand			haı	nd -Acc	
			ď".	kri	ateurə-tə	
				boy	ys-pl	
(28') a.	sə	deit∫ə			(R)	
	one	says				
b.	nu	məleunə				
	a	melon				
c.	lu	meuvə				
	it	I.move				
d.	lu	steutə	ď.	lu	stutənə	
	it	I.turn.off		it	they.turn.off	Ginestra

In Romance Lucanian varieties, including that of *Ginestra*, diphthongization takes place when the stressed vowel is followed only by one moraic position ' μ ' (mora), as (29). In government phonology terms, the requirement is that the head of the nucleus must govern a second vocalic position, as in (29), or a coda in the rime (cf. f[I] $\Lambda\Lambda$) or a second mora in the foot (cf. d[It[γ]n φ).



Diphthongization in antepenultimate position in Arbëresh corresponds to structures of the type in (30). A further difference between Romance dialects and Arbëresh is that in the latter the diphthongization process is triggered before a coronal or a sonorant adjacent to the nucleus, as in (30). The reduced phonological content of coronals and sonorants seems to be involved in this restriction.



6. Summing up: Models of bilingual competence.

Poplack (1980), in a classical work examining the code-switching between Spanish and English in a Portorican community in New York, concludes that code-mixing is structurally restricted, by the constraints in (31). (31a) excludes (32a), given the incompatible linearizations of English and Spanish in (32a'). (31b) excludes (32b), namely morphological code-mixing.

(31) a. The equivalence constraint:

Codes-switches will tend to occur at points in discourse where juxtaposition of L1 and L2 elements does not violate a syntactic rule of either language, i.e. at points around which the surface structures of two languages map onto each other.

b. The free morpheme constraint:

Codes may be switched after any constituent in discourse provided that constituent is not a bound morpheme.

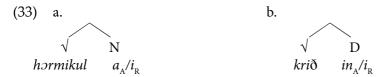
- (32) a. *told le/*le told
 - a. Yo le dije I told him
 - b. *eat-iendo'

In reality it is far from clear that the constraints in (31) hold – or at least to what extent they hold. Bokamba (1988), Muysken (2000) among others argue against the free morpheme constraint on the basis of examples like (33). Other counterexamples to it potentially include all of the Albanian-inflected Romance nouns and verbs in section 1.

Nevertheless (31b) is taken up again by MacSwan (1999, 2010) in the context of an interesting attempt to model code-mixing within a competence-based minimalist framework. MacSwan (2005: 5) assumes that "Code-switching is formally the union of two (lexically-encoded) grammars, where the numeration may draw elements from the union of two (or more) lexicons". He further assumes that "the PF component consists of rules/constraints which must be (partially) ordered/ranked with each other, and these orders vary cross-linguistically" while "ordering relations are not preserved under union". This means that "code-switching within a PF component is not possible" – effectively yielding the free Morpheme Constraint.

MacSwan is of course aware of well-known evidence like (33). In his terms, the hybrid forms that we have considered in section 1, are simply loans (of lexical bases). However the 'intertwining' between Arbëresh and Romance lexical material involves not just lexical bases but also inflectional devices, for example the inflection of the perfect —t or the perfective —st- in (12)-(13), which find themselves sandwiched between an Albanian base and an Albanian ending. Mixing further includes aspects of phonology, for instance the [h] outcome for *f in the native Albanian lexicon of Vena in section 5.1. Similarly, the shared vocalism and consonantism of Vena's Romance lexicon in the context of both Romance and Albanian grammars (inflectional and syntactic structures) is compatible with the hypothesis that borrowing is itself a mechanism of code-mixing and not the result of extrapolating items from systems external to one another.

Manzini and Savoia (2007, 2011b) attempt to capture the relation between lexical elements and syntactic structures in a simpler theoretical framework than other current models, such a Distributed Morphology, requiring a dedicated Morphological Structure (MS) interface (as assumed by McSwan). In our model, syntax is projected directly from lexical items, including both lexical bases and inflectional material. We may assume that in a bilingual grammar the lexical bases which are identical both in Romance dialect and Arbëresh, are registered once in the grammar of the speaker. The separation between the two lexicons concerns morpho-syntactic devices, building the structures in (33).



In conclusion, our discussion of Arbëresh-Romance contact and

Arbëresh variation pursued a specific conception of lexical variation: there is a conceptual and grammatical space to be lexicalized and variation results from the different partition of that space. Our approach leads to a redefinition of the categories that play a role in organizing the conceptual space and hence in defining variation. Change results from existing lexical resources finding a new structural collocation ('alignment', cf. Gumperz and Wilson 1971), in conditions of systematic bilingualism ('contact'). A theoretical point that emerges from the case studies considered in this contribution is that the reorganization deriving from language contact and mixing is not necessarily due to the transfer of one grammar to the other one, since the process is often bidirectional, and in some instances has no clear directionality at all.

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Abstract

The paper investigates hybridization, borrowing and grammatical re-organization phenomena in the *Arbëresh* communities of *Ginestra* (Lucania), and *Vena di Maida* (Calabria). *Arbëresh* varieties present the kind of variation that we expect in natural languages in absence of external constraints. Moreover, their long time contact with neighbouring Romance varieties is reflected in the extended codemixing phenomena characterizing their lexicon and morpho-syntactic organization (Savoia 1984, 2008). Code-mixing and other processes of variation raise questions concerning the nature of the variation and its meaning to the theory of language.

The authors are obviously aware that the socio-cultural context and communicative relevance requirements may motivate linguistic variation, directing the attention of the speakers and driving their communicative intentions. However, the way that language mixes, borrows and change depends on the cognitive constraints defining the *faculty of language* in the sense of Hauser, Chomsky and Fitch (2002). The two linguists demonstrate that the mechanisms of variation spring forth from the fundamental structures of human language rather than from the simple external pressure of cultural and communicative necessities as functionalist conception maintains.