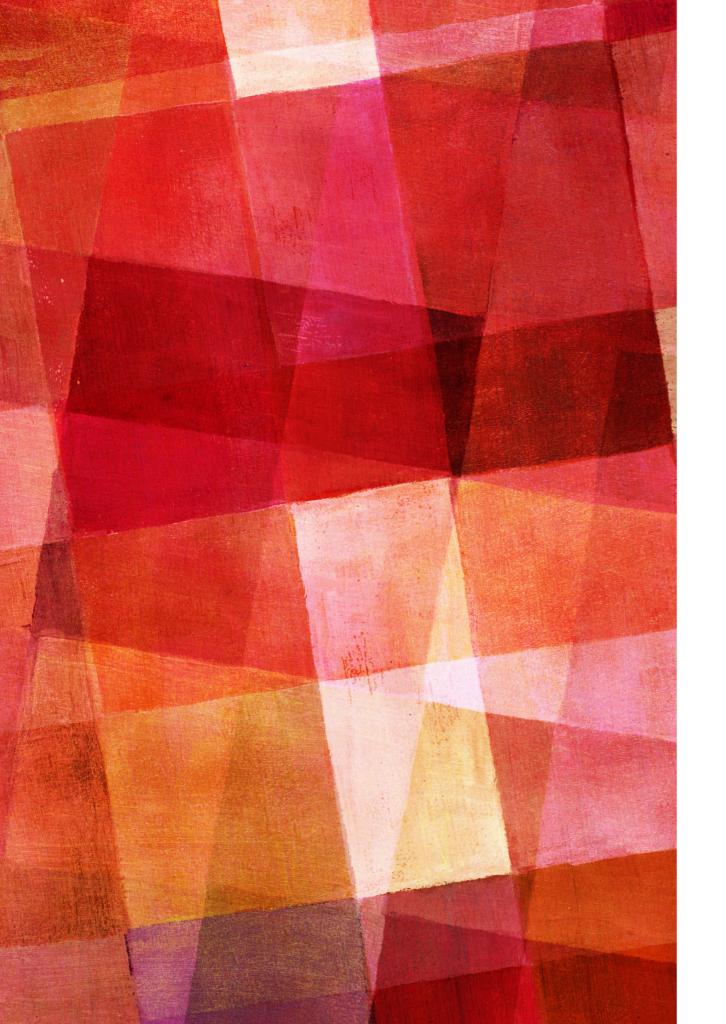


The Second Online Course on East Caucasian Languages

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DIRECTIONALITY IN EAST CAUCASIAN



ROADMAP

- ➤ Introduction: a quick recap
- ➤ Inventories: paradigmatics of directional categories
- ➤ Directionality and agreement: the Dargwa puzzle
- Decomposition of directionality: between morphology and syntax

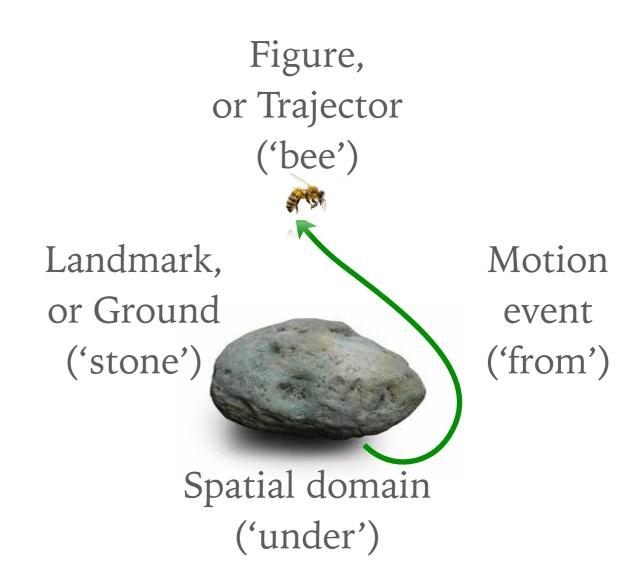
INTRODUCTION

A quick recap of spatial forms



➤ Archi (Lezgic): bimorphism of the spatial template (bidimensionality in Creissels 2009)

č'eleli-L'i-š stone-Sub-El 'from under the stone'



((landmark)Localisation)Direction

landmark	localization	direction	$order_1$
č'eleli	-L' i	$-\check{S}$	Archi
из-	$no\partial$	камня	Russian
from	under	the stone	English
direction	localization	landmark	order ₂

Direction(Localization(landmark))

What, apart from morpheme order, makes East Caucasian different from the European examples?

- ➤ morphological boundedness: affixes rather than function words
- ➤ regular meaning-form mapping: no cumulation, same affixes are responsible for the same components of spatial meaning across the paradigm in a compositional way

Cf. Kibrik (1970), Testelets (1980)

spatial forms of Archi					
	Place	Goal	Source	Direction	
In	- a	-a-k	-a-š	-a-ši	
Inter	$-q^{\varsigma}$	-q ^s a-k	-q ^s a-š	-q ^s a-ši	
Sub	-L'	-L'a-k	-L'a-š	-L'a-ši	
Super	-tX	-tIi-k	-t I i-š	-t I i-ši	
Cont	_	-ra-k	-ra-š	-ra-ši	

spatial forms of English						
	Place	Goal	Source			
In	in	in(to)	out (of), from			
Inter	between	between	(?from between)			
Sub	under	under	(?from under)			
Apud	at	to	from			
Super/Cont	on	on(to)	off (of), from			

spatial forms of Archi					
	essive	lative	elative	directive	
In	- a	-a-k	-a-š	-a-ši	
Inter	$-q^{\varsigma}$	-q ^s a-k	-q ^s a-š	-q ^s a-ši	
Sub	-L'	-L'a-k	-L'a-š	-L'a-ši	
Super	-tI	-tIi-k	-t Xi-š	-t Xi-ši	
Cont		-ra-k	-ra-š	-ra-ši	

spatial forms of English						
	Place	Source	Goal			
In	in	in(to)	out (of), from			
Inter	between	between	(?from between)			
Sub	under	under	(?from under)			
Apud	at	to	from			
Super/Cont	on	on(to)	off (of), from			

Today's focus is on the category of directionality

Nakh languages and Udi, where spatial forms do not (clearly) form an inflectional sub paradigm, are off the floor for today.

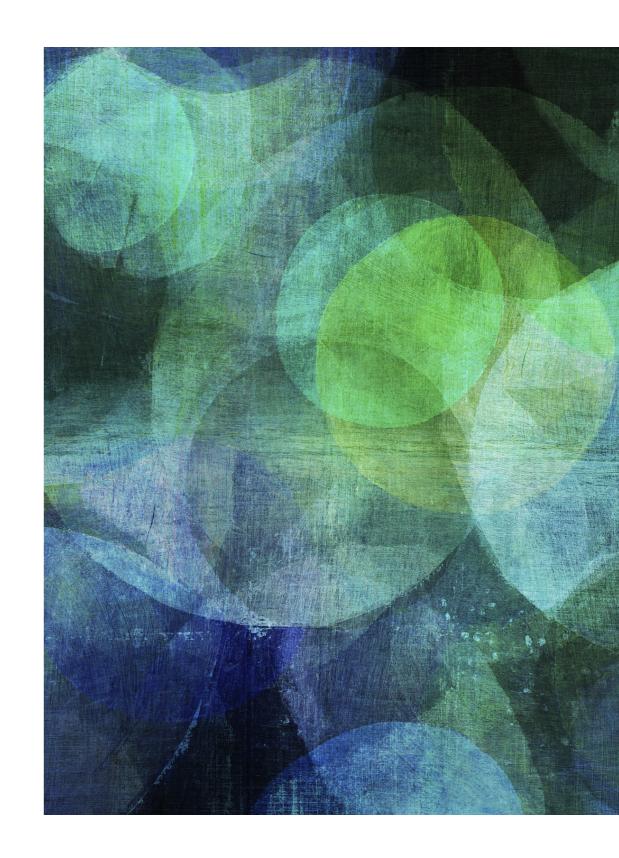
TERMINOLOGICAL NOTE: CATEGORY OF DIRECTIONALITY

	First slot	Second slot
local descriptive tradition	серия	падеж
Kibrik 1970	ориентирующее значение	двигательное значение
Kibrik's school	локализация	ориентация, двигательный падеж
Testelets 1980	локализация	пространственный падеж
Comrie & Polinsky 1998	orientation	directional suffix
Kibrik 2008	localization	direction
Creissels 2009	(series, spatial configuration, relative orientation)	(case?)
These slides:	localization	directionality

PART

INVENTORIES

paradigmatics of directionality



DIRECTIONALITY VALUES: INVENTORIES

- > essive Place 'sleep in the bed'
- ➤ lative Goal 'go to the field'
- > elative Source 'come back from the woods'
- > translative Path 'climb through the window'
- ➤ directive Orientation? ('towards') 'head for the woods'
- > terminative Limit? ('up to') 'go as far as the river'

^{*}Below, I will designate (comparative) concepts such as Goal or Source by capitalizing the first letter, and language specific (descriptive) categories such as essive or locative by all-small letters

TERMINOLOGICAL NOTE: DIRECTIONALITY VALUES

	Place	Goal	Source	Path	Orientation	Limit
Kibrik 1970	локатив (эссив)	латив	элатив			
Testelets 1980 (2003)	ЭССИВ	латив	элатив	транслатив vs. просекутив	аллатив	терминатив
Comrie & Polinsky 1998	essive	allative	ablative		versative	
Kibrik 2008	essive	lative	elative	translative	allative	terminative
Creissels 2009	(location)	(destination)	(source)	(path)		
These slides:	essive	lative	elative	translative	directive	

- ➤ Other functions of directionality markers
- ➤ Other means of expression directional meanings

- ➤ Other functions of directionality markers
 - ➤ lative = dative (Khwarshi -l, Lak -n)
 - ➤ directive = allative as an extraparadigmatic spatial case (Tsakhur -qa, Kibrik et al. 1999: 55)
 - ➤ lative or directive = converb and/or adverbializer and/or functive (Aghul -di, Rutul -na, Archi -ši)
 - essive = class agreement (most Dargwa languages)
- ➤ Other means of expression directional meanings

- ➤ Other functions of directionality markers
- ➤ Other means of expression directional meanings
 - Postpositions and other extraparadigmatic markers: directive χ:in in Chamalal (Bokarev 1949: 53), directive/translative -di in Tabasaran (Magometov 1965: 127)
 - Dative: goal in Lezgian and Aghul

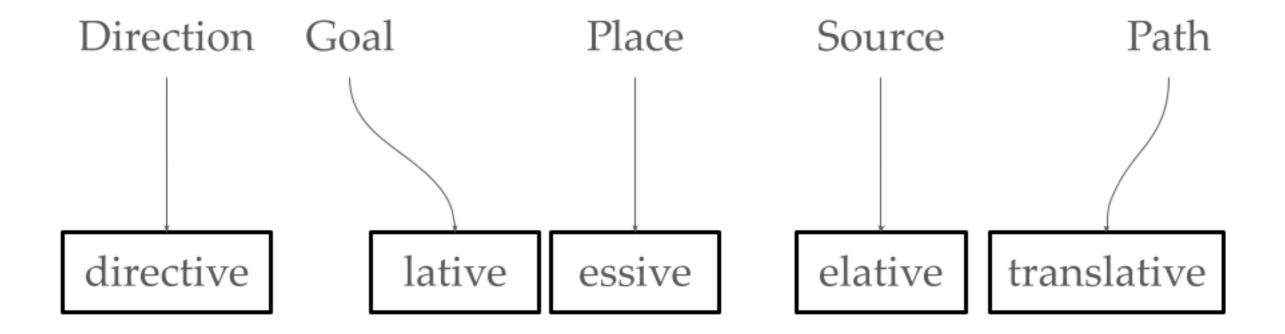
- ➤ Other functions of directionality markers
- ➤ Other means of expression directional meanings
 - Postpositions and other extraparadigmatic markers: directive χ:in in Chamalal (Bokarev 1949: 53), directive/translative -di in Tabasaran (Magometov 1965: 127)
 - ➤ Dative: goal in Lezgian and Aghul; but note the difference from Tsezic and Lak just discussed:
 - ➤ Khwarshi and Lak: the dative suffix is also used as lative (Goal) in spatial sub-paradigm
 - ➤ Lezgian and Aghul use the dative (a syntactic case) with some nouns to express Goal

INTERNAL STRUCTURE OF THE CATEGORY OF DIRECTIONALITY

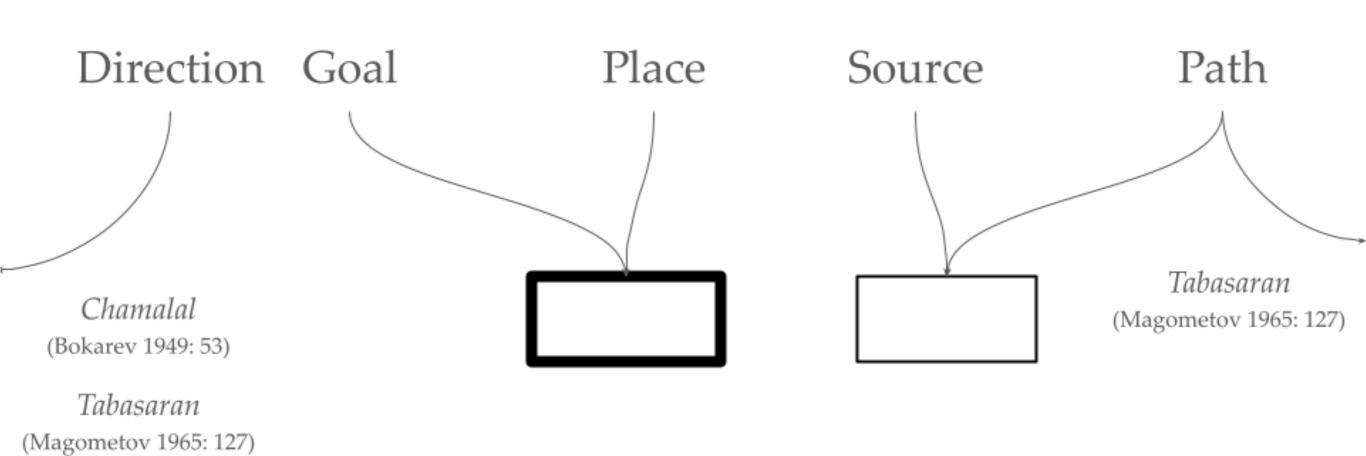
- Essive (unmarked), Lative, Elative, Translative, Directive, Terminative (Archi)
- Essive (unmarked), Lative, Elative, Translative, Directive or Terminative? (**Tsakhur**)
- Essive (unmarked), Lative, Elative, Translative, Directive, Terminative (Lezgian)
- Essive (unmarked), Lative, Elative, Translative, Directive, Terminative (Rutul)
- Essive (unmarked), Lative, Elative, Translative, Directive, Terminative (*Bagvalal)

No obvious pattern. But let us look at what happens to meanings that do not get dedicated marking - mergers (patterns of neutralisation of directional meanings in Kibrik 1970) and gaps (directional meanings that may remain outside the category of directionality).

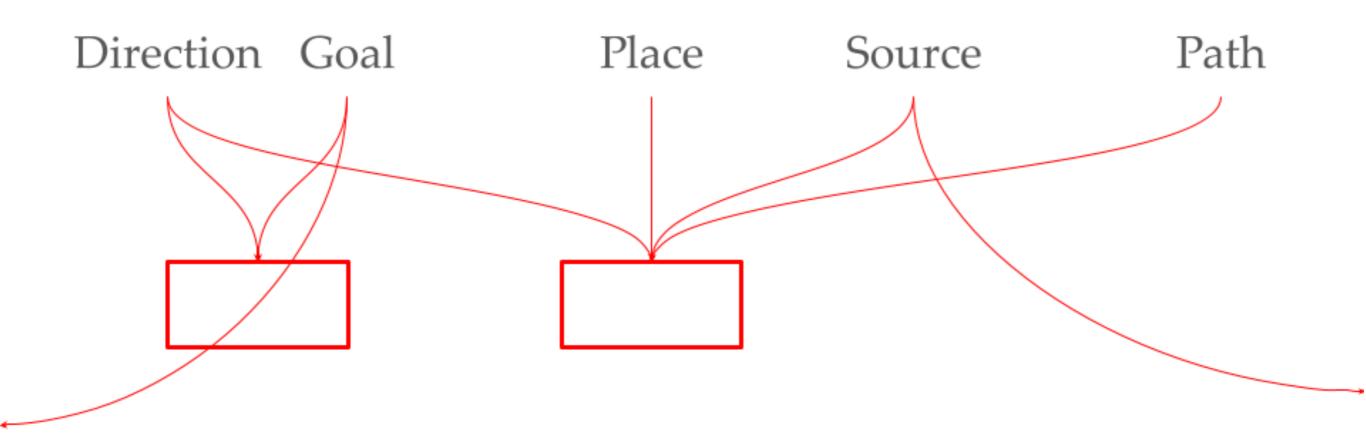
MERGERS AND GAPS: FULL SYSTEM



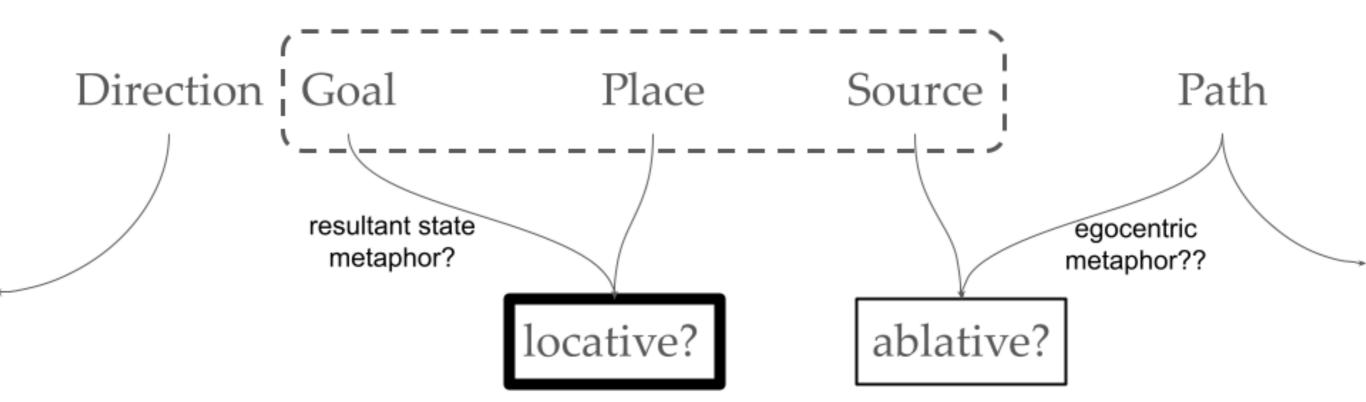
MERGERS AND GAPS: POSSIBILITIES



MERGERS AND GAPS: IMPOSSIBILITIES



MERGERS AND GAPS: POSSIBILITIES



TOWARDS TYPOLOGY

The generalisations (cf. Kibrik 1970):

- > any directional system expresses at least three meaning Place, Goal and Source
- ➤ Goal and Place may be formally co-expressed while Source is always apart
- No other meaning is expressed by all directionality systems

Hence, we classify all instantiations of the category of directionality in East Caucasian into **tripartite** (Goal≠Place≠Source) and **bipartite** (Goal=Place≠Source)

TOWARDS TYPOLOGY

	Source	Place	Goal	language groups
Tripartite systems	elative 'from the house'	essive 'in the house'	lative 'into the house'	Lezgic Lak Andic Tsezic
Bipartite systems	elative 'from the house'	locative 'in/into the house'		Lezgic Khinalug Andic

TOWARDS TYPOLOGY

	Source	Place	Goal
Tripartite systems	elative	essive	lative
Bipartite systems	elative locative		
Full merger	locative (see Nikitina 2009 on Mande)		

CASES IN FLUX

- ➤ For Avar, Alekseev&Ataev (1997: 48) notices, with a reference to Madieva (1981), that in most series Source tends to neutralise with Path in the elative form (the dedicated translative form is available but rare)
- ➤ For Botlikh, Andic, two markers are used for Path, one also showing translative uses (Gudava 1967, Zadykian et al. 2020)
- ➤ For Tabasaran, Lezgic, Magometov (1965: 126) notes that elative of Super (localization) may be interpreted as Path

CASES IN FLUX

- ➤ For Alik as compared to the other Kryz (Lezgic) dialects, Authier (2009: 35) notes that its essive started to express Goal (essive → locative), while the form specialised as a lative in the other Kryz dialects in Alik starts to express highly specialized adverbial meanings
- ➤ For Lezgian, Dmitry Ganenkov (p.c.) notes that Haspelmath' (1993) directive is in fact a highly constrained lative as opposed to locative (Place + Goal)
- ➤ For Hinuq, Tsezic, it has been observed that the essive is used for Goal (Forker 2013)

THE CASE OF POSTURE VERBS

These mergers should not be confused with certain semantic effects:

➤ All East Caucasian languages but one branch use the essive with verbs 'put', 'hide', 'sit' and several similar verbs (Dargwa uses lative):

Archi, Lezgic:

'Sit down on the chair on the right.'

See (Filatov 2018 for a study of posture verbs in East Caucasian, and Zaika 2016 for a typological background)

THE CASE OF POSTURE VERBS

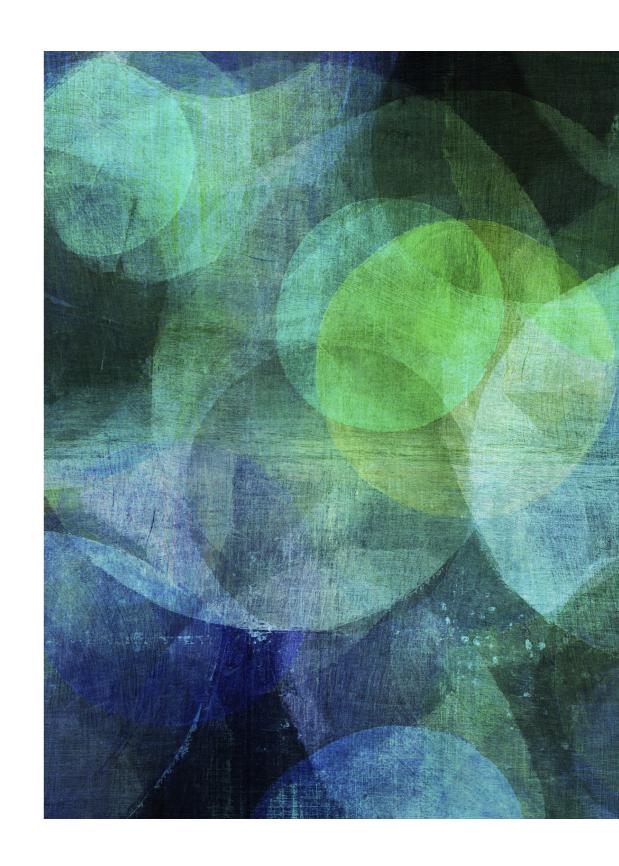
- ➤ These mergers should not be confused with certain semantic effects:
- ➤ All East Caucasian languages but one branch use the essive with verbs 'put', 'hide', 'sit' and several similar verbs (Dargwa uses lative):
- ➤ Does this mean an ongoing merger of the essive and lative into locative? No, because the basic verbs of motion like 'go' continue to distinguish between Place and Goal (cf. typological overview in Zaika 2016)
- ➤ It is not the case that essive in this languages starts expressing Place and Goal (and thus develops into a locative), but that verbs of posture combine with Place rather than Goal

TAKEAWAY: INVENTORIES

- ➤ Up to five different values (essive, lative, elative, translative, directive, terminative)
- ➤ Only Source, Place and Goal expressed in all languages
- ➤ Goal often merges with Place (essive and lative neutralised as *locative*) bipartite systems
- ➤ Translative sometimes merges with elative; it can also be expressed by non-paradigmatic means
- ➤ Unclear whether directive ever fully merges with lative (more data is needed, and depending on the definition of directive)

PART II THE DARGWA PUZZLE

directionality and agreement



INVENTORIES: THE DARGWA PUZZLE

➤ Dargwa appears to be a tripartite system. Mehweb Dargwa:

		Ess	Lat	El	Trans
		(Class)	(\emptyset)	-la	-di
Sup	-če	-če-b	-če	-če-la	-če-di
Ad	-šu	- š <i>u</i> -b	-šu	-šu-la	-šu-di
Apud	- <i>2e</i>	<i>-2e-b</i>	- <i>2</i> e	- <i>2e-la</i>	-2e-di
In	-ħe	<i>-ħe-b</i>	<i>-ħe</i>	-ħe-la	-ħe-di
Inter	-ze	-ze-b	<i>-ze</i>	-ze-la	-ze-di

INVENTORIES: THE DARGWA PUZZLE

Unexpected features of Mehweb Dargwa tripartite systems:

➤ Unlike all other tripartite systems, essive (Place) marked, lative (Goal) unmarked

gumili-če-Cl 'on the bridge' vs. gumili-če 'onto the bridge' vs. gumili-če-la 'from (on0 the bridge'

- ➤ Place as opposed to Goal is expressed by the presence of agreement slot
 - ➤ Spatial forms do contain agreement slots, as in Avar (In), including in directionality markers, as in Lak (lative) or in Mehweb Dargwa itself (in one of the elatives) but none expresses a spatial meaning by agreement alone

INVENTORIES: THE DARGWA PUZZLE

What happens if we temporarily exclude the agreement slot from our field of vision?

Place	Goal	Source
gumili-če-Cl	gumili-če	gumili-če-la
'on the bridge'	'onto the bridge'	'From the bridge'
essive	lative	elative
gumili-	gumili-če-la	
'on(to) th	'From the bridge'	
loca	elative	

INVENTORIES: DARGWA PUZZLE

What happens if we temporarily exclude the agreement slot from our field of vision? Then:

- ➤ There is no unmarked lative, only unmarked locative
- ➤ Dargwa is a bipartite system: one that does not distinguish between Place and Goal (locative vs. relative systems

INVENTORIES: DARGWA PUZZLE

A suggestion to change the perspective:

FROM: the agreement slot is a morpheme expressing the essive meaning (agreement as a marker of the essive category)

TO: the form expressing Place agrees while the form expressing Goal does not (agreement as a morphosyntactic property of the locative form when encoding Place)

The question remains: why does the locative form agrees when it encodes Place but not when it encodes Goal? We need to dive a little bit deeper into East Caucasian clausal agreement.

DIVERSION: WHAT DO WE KNOW ABOUT EC AGREEMENT?

- Unexpected targets: not only verb, but also adverbs, locative forms, particles *clausal* agreement
- Among NPs, arguments are on the whole less likely targets than adjuncts
- Andic directional case in -V < Cl > a that extends into the domain of experiential uses tends to freeze its agreement slot

Hypothesis: In East Caucasian, clausal agreement serves as a means of **syntactic coherence**; adjuncts are less integrated with the core of the clause and are more often targeted by clausal agreement than arguments

INVENTORIES: DARGWA PUZZLE

Why does the locative form agrees when it encodes Place but not when it encodes Goal?

Goal is more closely integrated with the semantics of the verb (more argument like), Place is less (more adjunct like) and is targeted by clausal agreement.

A good test could be the use of Place in argument position, but what could this be?

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A good test could be the use of Place in argument position, but what could this be?

Wait! Posture verbs! Posture verbs take Place in East Caucasian.

FAST REWIND: THE CASE OF POSTURE VERBS

- ➤ These mergers should not be confused with certain semantic effects:
- ➤ All East Caucasian languages but one branch use the essive with verbs 'put', 'hide', 'sit' and several similar verbs (Dargwa uses lative):
- ➤ Does this mean an ongoing merger of the essive and lative into locative? No, because the basic verbs of motion like 'go' continue to distinguish between Place and Goal (cf. typological overview in Zaika 2016)
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INVENTORIES: DARGWA PUZZLE

But what does it mean, exactly, that Dargwa languages use the "lative" form with posture verbs?

Under the interpretation below, it is the ambiguous "locative" (Place + Goal) form without agreement

We can then alternatively say that Dargwa posture verbs take Place argument, but because it is an argument, the locative form does not agree (as it does not agree when it expresses the Goal argument)...

... or else we have to admit that Dargwa languages are once again different from all sister branches.

INVENTORIES: DARGWA PUZZLE

	Source	Place	Goal
interpretation			
Tripartite system	Elative -la	Essive -Cl	Lative (ø)
Bipartite system	Elative -la	Locative (ø) in adverbial use, the form agrees	

DARGWA PUZZLE: TAKEAWAY

A re-interpretation of the Dargwa system allows aligning Dargwa languages with the rest of the family:

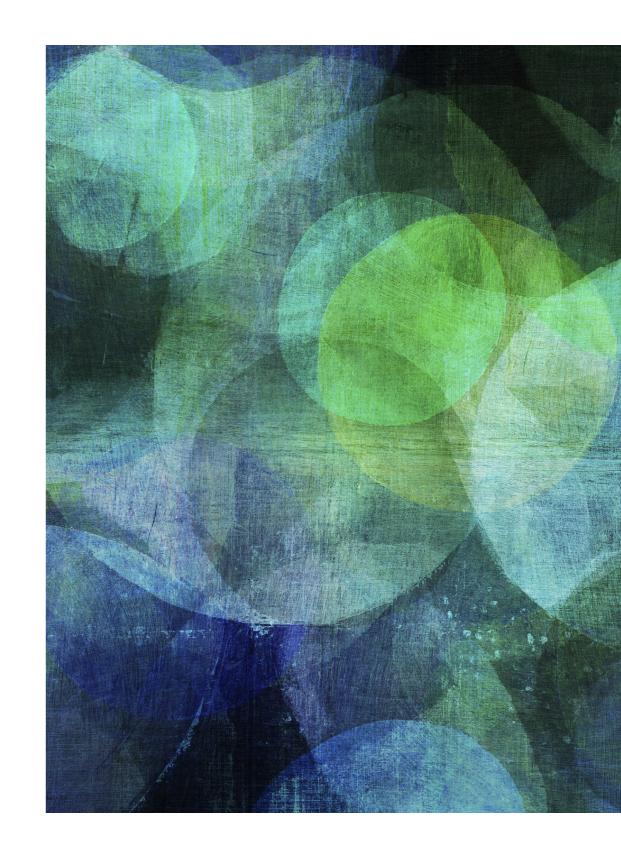
- ➤ From a weird tripartite to the regular bipartite system
- ➤ Verbs of change of posture and the like take Place as their aruments, as in other branches

There is a price to pay: assumptions about the role of agreement in East Caucasian languages (luckily, advanced on grounds independent from this analysis)

PART III

DECOMPOSITION

directionality between morphology and syntax



➤ I have argued above that two properties distinguish East Caucasian spatial forms from complex preposition (as in English): formal regularity and boundedness (inflection)

spatial forms of Archi				
	Place	Goal	Source	Direction
ln	- a	-a-k	-a-š	-a-ši
Inter	$-q^{\varsigma}$	-q ^s a-k	-q ^s a-š	-q ^s a-ši
Sub	-L'	-L'a-k	-L'a-š	-L'a-ši
Super	-tX	-tIi-k	-t I i-š	-t Xi-ši
Cont	_	-ra-k	-ra-š	-ra-ši

spatial forms of English				
	Place	Goal	Source	
In	in	in(to)	out (of), from	
Inter	between	between	(?from between)	
Sub	under	under	(?from under)	
Apud	at	to	from	
Super/Cont	on	on(to)	off (of), from	

- ➤ I have argued above that two properties distinguish East Caucasian spatial forms from complex preposition (as in English): formal regularity and boundedness
- ➤ Formal regularity can however be disputed, because in various languages combinability of directionality with different localisation markers is less than predictable

	Kina Rutul		
	Essive	Elative	
In	-a	-ax	
Super	(\emptyset)	-la	
Apud	-da	-dax	
Sub	-xda	-xla / -qla	
Inter	-k	-kla	

	Bagvalal		
	Essive	Lative	Elative
Super	-la	-la:	-las:
In	-ni		-nis:
Ad	-χ		-xis:
Sub	-L'i		-L'is:
Inter	-łi		-tis:
PersLoc	-ła:		-ła:s:
Cont	-č'		-č'is:

- ➤ I have suggested above that two properties distinguish East Caucasian spatial forms from complex preposition (as in English): formal regularity and boundedness.
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- ➤ On the upside, this confirms their bounded status, as selectivity excludes their analysis as clitics.

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Or does it indeed?

In addition to the spatial forms of nouns, East Caucasian languages have a number of other lexical classes that convey spatial semantics, including:

- ➤ Spatial adverbs: 'The sheep went **up there**.' (Mehweb *heč'e-*)
- ➤ Spatial postpositions (often also used as adverbs and sometimes taking the noun in the essive): 'inside the ditch' (Tukita hini-)
- Local place names: 'He is in Rutul at the market.' (Kina Rutul $mi^{5}\chi a$ -)
- ➤ Bodypart locations: 'He had a rifle **in** (his) **hands**.' (Tukita *kodi*-)
- ➤ Locative converbs: 'Where the dog stopped, there you should plough!' (Archi baħri o‹b›s-di-ma dog ‹4›stand-Pfv-Loc)

All these items may take directionality marking just as nouns with localization suffixes; cf. Mehweb (Dargwa):

Mehweb locatives	Place	Goal	Source
spatial adverb 'up there'	heč'e-Cl	heč'e	heč'e-la
local placename 'in Mehweb'	meħ ^w e-Cl	$me\hbar^{w}e$	тећ ^w е-la
bodypart location 'in hands'	k ^w e-Cl	$k^{w}e$	k ^w e-la
locative converb 'where (it) is put'	b-ix-ib-i-ħe-Cl	b-ix-ib-i-ħe	b-ix-ib-i-ħe-la
nominal locative 'on shoulder'	qarč'aj-če-Cl	qarč'aj-če	qarč'aj-če-la

- ➤ All these items may take directionality marking just as nouns with localization suffixes
- ➤ Should we take this as an indication the directionality markers are cross-categorial clitics?

FAST REWIND: SELECTIVITY

	Kina Rutul		
	Place/Goal	Source	
In	-a	-ax	
Super	(Ø)	-la	
Apud	-da	-dax	
Sub	-xda	-xla / -qla	
Inter	-k	-kla	

	Bagvalal		
	Place	Source	Goal
Super	-la	-la:	-las:
In	-ni		-nis:
Ad	$-\chi$		-xis:
Sub	-L'i		-L'is:
Inter	-łi		-tis:
PersLoc	-ła:		-ła:s:
Cont	-č'		-č'is:

- ➤ All these items may take directionality marking just as nouns with localization suffixes
- ➤ Should we take this as an indication the directionality markers are cross-categorial clitics?
- ➤ No, some of them are selective; inflectional morphology rather than clitics
- ➤ Alternative: these stems all belong to the same morphosyntactic category of spatial words, *spatials* for short
- Localization markers on nouns and locative converb suffixes act as *spatializers* turning nouns and verbs into *spatials*, in much the same way as attributivizers turn verbs (and sometimes other parts of speech) into adnominal attributes though, in case of nouns, with additional semantic specification

Localization markers, as well as locative converb suffixes, act as *spatializers*, in line with the concept of part-of-speech changing inflection (Haspelmath 1996):

Mehweb locatives	Essive	Lative	Elative
spatial adverb 'up there'	heč'e-Cl	heč'e	heč'e-la
local placename 'in Mehweb'	meħ ^w e-Cl	$me\hbar^{w}e$	meħ ^w e-la
bodypart location 'in hands'	k ^w e-Cl	$k^{w}e$	k ^w e-la
locative converb 'where (it) is put'	b-ix-ib-i- ħe -Cl	b-ix-ib-i- he	b-ix-ib-i- ħe -la
nominal locative 'on shoulder'	qarč'aj- <mark>če</mark> -Cl	qarč'aj- <mark>če</mark>	qarč'aj- <mark>če</mark> -la

In this view, adverbs, place names and body parts are *non-derived* spatials, and spatial forms of nouns and verbs are *derived* spatials.

- ➤ All these items may take directionality marking just as nouns with localization suffixes
- ➤ Localization markers on nouns and locative converb suffixes act as *spatializers* turning nouns and verbs into *spatials*, in much the same way as attributivizers turn verbs (and sometimes other parts of speech) into adnominal attributes
- ➤ But they are selective, so the directionality is inflection. Also, they are bound.

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- ➤ But they are selective, so the directionality is inflection. Also, they are bound.

Well, are they bound?

Consider the following example from Archi, Lezgic:

uq[°]a-li i<w>di-li

1.go.Pfv-Cvb <1>be.Pfv-Evid

tu-w gurži-m-ma nol'-a-k jak

that-1 Georgian-Gen-Loc house-In-Lat inside

'(He) went to the Georgian, to his house.' (lit. 'at Georgian's into his house') (Kibrik et al. 1977)

Or from Godoberi, Andic (Kibrik et al. 1996):

Salík' ja-di mak'í il-ú-č'u kwádu-ru. caxa-w-á qam-ú-da

Alikja-Erg child mother-Cont in.arms-El away-M steal.Pst-Cvb-Cop

'(Hidden under the window), Alikja stole the child **from the mother's hands**.' (lit. 'at the mother from hands')

Or from Hinuq, Tsezic (courtesy Diana Forker):

hado piru muhamad hažin užin bil'ijo

this Piru Mohammad Hadzhi-and son-and HPL-go-Prs

hajłi suda-L'o zijaratmo-L'o-r

there grave-Sup zijarat-Sup-Lat

'This Piru Mohammad Hadzhi and his son are going to his grave, to the sanctuary.'

Or finally and most convincingly, the following example from Dargwa (specifically Icari Dargwa in Sumbatova and Mutalov 2003:, ex. 676, 123, 582):

Sa'min Ha'?, ištIu kIwi-b kIwa'S

ugh pooh here inside-N smell

'Ugh, what a bad smell there is in here!'

(Cf. ištīu 'thither', ištīu-Cl 'there', ištīu-r 'thence')

As $i\check{s}tIu$ without class agreement reads as Goal, a naive analysis of $i\check{s}tIu$ kI^wi-b would yield uninterpretable 'to there inside there is smell'

gurži-m-ma nol'-a-k

[Georgian-Gen-Loc house-In]-Lat

hajłi suda-L'o zijaratmo-L'o-r

[there grave-Sup zijarat-Sup]-Lat

il-ú-č'u kwádu-ru

[mother-Cont in.arms]-El

išt u k wi-b

[here inside]-N

Analysis (Mehweb Dargwa):

(a) single AdvP: possible construction

heč'e bek'a-li-če-la

[up.there hill-Obl-Sup]-NPl(Ess) [up.there hill-Obl-Sup]-El

'up there on the hill' 'from up there on the hill'

(b) two AdvPs: also possible

heč'e-r bek'a-li-če-la bek'a-li-če-la

[up.there]-NPl(Ess) [hill-Obl-Sup]-NPl(Ess) [up.there]-El [hill-Obl-Sup]-El

'up there, on the hill' 'from up there, from on the hill'

(c) unacceptable

*bek'a-li-če-r heč'e #bek'a-li-če-la heč'e

hill-Obl-Sup-NPl there hill-Obl-Sup-El there

(acceptable only as 'from the hill to up there')

FAST REWIND: LOCATIVES AS A PART OF SPEECH

In addition to the spatial forms of nouns, East Caucasian languages have a number of other lexical classes that convey spatial semantics, including:

- ➤ Spatial adverbs: 'The sheep went **up there**.' (Mehweb *heč'e-*)
- ➤ Spatial postpositions (often also used as adverbs and sometimes taking the noun in the essive): 'inside the ditch' (Tukita *hini-*)
- cf. raqil-i hini 'in the ditch' vs. raqil-i hini-gia 'from the ditch' ditch-In inside [ditch-In inside] < N>El
- ► Local place names: 'He is in Rutul at the market.' (Kina Rutul $m_i^{\gamma}\chi a$ -)
- ➤ Bodypart locations: 'He had a rifle in (his) hands.' (Tukita kodi-)
- ➤ Locative converbs: 'Where the dog stopped, there you should plough!' (Archi baħri o‹b›s-di-ma dog ‹4›stand-Pfv-Loc)

DECOMPOSITION OF DIRECTIONALITY: ANALYSIS

What is the syntactic status of the phrase, and what is the morphological status of directionality markers?

- ➤ Directionality markers show a certain degree of selectivity (gaps and mergers), involve sandhi, vowel quality inflection rather than clitics
- ➤ But their locus is governed by syntactic rules on the right periphery of AdvP
- ➤ Edge inflection (Anderson et al 2006; Spencer & Luis 2012): morphological inflection whose locus is chosen by syntactic rules

DECOMPOSITION OF DIRECTIONALITY: ANALYSIS

However, the effect varies across languages and directionality values. Some examples:

- ➤ In Aghul, I was so far unable to detect syntactic rules for directionality markers; in Kina Rutul, more data is needed
- ➤ In Andi (Andic), elative marking can be shared across the locative phrase but lative marking cannot
- ➤ Generally, elatives do not show selectivity no arbitary gaps and less unpredictable realizations

There may be a correlation between "edginess" of the inflection and the degree of boundedness; and, depending on the language, directional meanings may form a less homogeneous category than previously assumed.

DECOMPOSITION OF DIRECTIONALITY: TAKEAWAY

- Localization markers act as **spatializers** they recategorise nouns as spatial forms (spatials) allowing them to attach directionality affixes
- ➤ Spatials include **primary** (spatial adverbs and postpositions, local place names, bodypart locations) and **derived** (locative converbs, spatial forms of nominals) spatial forms
- ➤ For some languages, there is evidence that spatial words may combine into adverbial phrases that **take directional inflection as** a whole
- ➤ Marking of Source (elative markers) is probably **less bound** (more clitic-like) than marking of Goal (lative markers) it is unclear how much essive, locative and elative form one category.

CONCLUSION

More research on the degree to which directional markers form one homogeneous category is needed.

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THAT'S ALL FOR TODAY

