

Karachay-Balkar

- Place, people, and language
- Overall characteristics of the verbal system
- Event structure of causative and passive verbs







Karachay-Balkar

- Spoken in Russia
- Region: Kabardino-Balkaria, Karachay-Cherkessia
- Number of speakers: about 400,000
- Genetic affiliation: Altaic

Turkic

Kypchak

Kypchak-Cuman

• Writing system: Cyrillic alphabet

Modern Karachay-Balkar alphabet

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АаБбВвГгГътьДдДжджЕе ЁёЖжЗзИиЙйКкКъкъЛл МмНнНгнгНънъОоПпРрСс ТтУуЎўу́ФфХхЦцЧчШш ЩщъЫыьЭэЮюЯя



araci	ay-Balkar on the web
📕 Автор	Тема: Къарачай-малкъар тили (Прочитано 1560 раз)
Parviz Hosrov	
Сообщений: 10	Къарачай-малкъар тилинде мында ким сёлеширге излейди? Менича, бек ариу тилиди
	Къумукъ, ногъай, татар, башкир типлери мында биреу билирмиди? Может быть сизде ссылкала тюрк халкланы эдебият сайтлагъа барды? Джауапыгъыз
	сакълайма! 😂 🙂 🧐 « Последнее седактирование: Понедельник. 30 Июня. 2008. 9:36 от Vertaler »
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Dialects

- Two dialects
- Karachay: /ʧ/ and /ʒ/

Balkar: /ts/ and /z/

- Ex:
- Kar. Cyq Balk. cyq ʻgo
- out'
- Kar. 3yr Balk. zyr 'song'



Karachay-Balkar

- basic word order: SOV, "left-branching"
- morphologically and syntactically accusative
- differential case marking of the DO: ACC/unmarked (=NOM)
- pro-drop possible
- no prefixation; suffixation only
- vowel harmony (±back, ±round)



Structure of verb forms

Stem-Negation-Tense/Aspect/Mood-Agreement

bar-Ran-byz '(we) went' go-PFCT-1PL qaza-r-sa '(you)'ll dig' dig-FUT-2SG ac-ma-dy-la '(they) didn't open-NEG-PST-3PL open'



Three st	ems		
root	past stem	present stem	future stem
bar 'go'	bar	bar- a	bar
qaz 'dig'	qaz	qaz- a	qaz-a
boja 'colour'	boja	boja- j	boja

marke	sets of person/r ers	lumper
	Long set (LS)	Short set (SS)
1SG	-mA	-m
2SG	-sA	-N
3SG	-dI	-Ø
1PL	-bIz	-q
2PL	-sIz	-RIz
3PL	-dI-lA	-lA



Building verb forms:					
the	ver	b <i>bar</i> 'go	ɔ′, 1SG		
edi U	+SS +LS +SS +LS	imperative preterite perfect pluperfect habitual	bar bar-dy-m bar-Ran-ma bar-Ran edi-m bar-uwcu-ma		
edi	+LS +SS	present imperfect	bara-ma bara edi-m		
(I)r (I)r gA	+LS A	future infinitive	bar-yr-ma bar-yr-Ra		
	edi U edi (I)r	the ver +SS +LS +SS U +LS edi +SS	the verb bar 'got +SS preterite +LS perfect edi +SS pluperfect U +LS habitual +LS present edi +SS imperfect (I)r +LS future		

	sic verk reeme		-	:)		
	bar 'go'	kel 'come'	qaz 'dig'	teS 'take off clothes'	oqu 'read'	iSle 'work
Present	bar-a go-IPFV	kel-e	qaz-a dig-ST.IPFV	teS-e	oqu-j read-ST.IPFV	iSle-j
Habitual	bar-uw-cu go-NMN-HAB	kel-Uw- cU	qaz-uw-cu dig-NMN-HAB	teS-Uw-cU	oqu-w-cu read-NMN-HAB	iSle-w-cU
Preterite	bar-dy go-PST	kel-di	qaz-dy dig-PST	teS-ti	oqu-du read-PST	iSle-di
Perfect	bar-Ran go-PART.PFCT	kel-gen	qaz-Ran dig- PART.PFCT	teS-xen	oqu-Ran read-PART.PFCT	iSle-gen
Imperfect	bar-a edi go-IPFV COP	kel-e edi	qaz-a edi dig-ST.IPFV COP	teS-e edi	oqu-j edi read-ST.IPFV COP	iSle-j edi
Pluperfect	bar-Ran edi go-PART.PFCT COP	kel-gen edi	qaz-Ran edi dig- PART.PFCT COP	teS-xen edi	oqu-Ran edi read-PART.PFCT COP	iSle-gen edi
Future	bar-yr go-POT.FUT1	kel-ir	qaz-a-r dig-POT.FUT1	teS-e-r	oqu-r read-POT FUT1	iSle-r

Aspectual characteristics
of verb forms
<u>Preterite</u>

<u>Preterite</u>			
(1) alim kel-gen-de Alim come-PFCT	kerim -TEMP Kerim	qa Ryt letter	zas-ty write-PST.3SG
Everytime Alim co	Kerim wrote a letter. ame, Kerim used to w , Kerim was writing c		perfective habitual progressive
Imperfect			
(2) alim kel-gen-de Alim come-PFCT	kerim qal -TEMP Kerim lett		edi. V COP.3SG
*When Alim came Everytime Alim co	, Kerim wrote a letter ume, Kerim used	:	perfective
to be writing		letter.	habitual progressive

Aspectual characteristics of verbal forms

Progressive	Habitual	Perfective
+	+	
+	+	
_	+	_
_	+	+
_	+	+
_	—	+
_	—	+
	Progressive + 	+ + + + - + - +

Grammatical aspect vs. actionality

- Conceptual distinction between grammatical aspect and actionality (a.k.a. lexical aspect, Aktionsart, aspectual class, eventuality type, situation type, ...)
- Actionality is identified by a set of meaning labels assigned to basic aspectual forms of a verb
- All arguments of a verb are represented in the syntax; whenever possible arguments are quantized (e.g., singular or plural definite) NPs

Actional characteristics of verbs

Set of actional meanings

- State (S)
- Johnson is ill; Johnson weighed 9 lbs. 6 oz.; Johnson lived in Edinburgh. Process (P)
- Johnson was running; Johnson wrote letters for two hours.
 Multiplicative process (MP)
- Johnson coughed for 5 minutes; Johnson is coughing.
- Entry into a state (ES) Johnson died; Johnson saw a snake; Johnson wrote a letter; Johnson coughed (once).
- Entry into a process (EP)
- The water started boiling; Johnson started singing.

Actional characteristics of the verb *Ol* 'die' – preterite and present <u>Preterite</u>:

(3) alim Ol-dU. Alim die-PST.3SG

Alim died.

Present:

(4) alim 0l-e-di. Alim die-IPFV-3SG Alim is dying.

Process

Entry into a state

01 'die': < Preterite: Entry into a state; Present: Process>

Actional characteristics of the verb *01* 'die' – other perfective forms

Pert (5)	alim	0l-gen-di.	
	Alim	die-PFCT-3SG	
	Alim died.		Entry into a state
Plur	perfect:		
(6)	alim	0l-gen edi.	
	Alim	die-PFCT COP.3SG	
	Alim had died	<i>d</i> .	Entry into a state
Futi	ire:		-
(7)	alim	0le-r-di.	
	Alim	die-FUT-3SG	
	Alim will die.		Entry into a state



Ol 'die': <Perfective: ES; Progressive: P> *Ol* 'die': <ES; P>

More complex verb: <i>zat</i> 'lie down'	, lie
Preterite	
(9) alim zat-ty.	
Alim lie-PST.3SG	
1. Alim lied down.	ES
2. Alim was lying (for some time).	S
3. Alim was lying down (for some time).	Р
Present	
(10) alim zat-a-dy.	
Alim lie-IPFV-3SG	
1. Alim is lying.	S
2. Alim is lying down.	Р
zat 'lie, lie down' <es,s,p; s,p=""></es,s,p;>	

Actional classification

Balkar: an average Turkic system of actional classes.



Basic actional classes

1. Telic verbs

1.1. Strong telic verbs: <ES; P>.
al 'take', cyq 'go out', kij 'put on (clothes)', kir 'enter', kir bol 'get dirty', Ol 'die', sal 'put', syn 'break_intr', zet 'reach'.
1.1.a. Punctual verbs: <ES; ->.
tap 'find'
1.2. Weak telic verbs: <ES,P; P>.
ac 'open', acy'go sour', ajt 'say', al 'buy', aSa 'eat', biS 'ripen', boja 'colour', em 'suck', eri 'melt_intr', oqu 'read'....

Basic actional classes (ctnd)

2. Process verbs

2.1. Atelic verbs: <P; P>. *izle* 'look for', *oqu* 'study', *qyjna* 'torture', *saqla* 'wait', *syla* 'caress', *tUrt* 'push', *zawa* 'rain'.
2.2. Ingressive atelic verbs: <EP,P; P>. *atla* 'march', *bar* 'go', *cap* 'run', *zUz* 'swim', *qysta* 'chase', *soz* 'pull', *uc* 'fly', *kUl* 'laugh', *zyla* 'cry'...

Basic actional classes (ctnd)

3. Stative verbs

3.1. States: <S; S>. zaSa 'live', este tut 'remember'
3.2. Inceptive stative verbs: <ES,S; S>. awru 'ache', bil 'know', bUsUre 'like', eSt 'hear', kOr 'see', qorq 'be afraid', sUj 'love', uSa 'resemble', ynan 'believe'...

Basic actional classes (ctnd)

4. Complex verbs

- <ES, S; P> ary'get tired', bol 'become', qal 'stay', tas bol 'get lost'
- <ES, P, S; P> aRar 'whiten', bat 'sink', unut 'forget', zabys' 'stik, glue'
- <ES, P, S; P, S> bux 'hide', buzla 'freeze', oltur 'sit', slljel 'stand', tur 'stay', tut 'keep, catch', zat 'lie, lie down', zuqla 'sleep'

Basic actional classes (ctnd)

5. Multiplicative verbs

5.1. Pure multiplicative verbs <ES,MP; MP>. aR'drop', bulRa 'wave', cajqa 'rock', cyqyrda 'creak', qaq 'knock', sekir 'jump', z0tel et 'cough' ... 5.2. Multiplicative-process verbs <ES,MP,P; MP,P>. syzRyr 'whistle', uppa et 'kiss', qab 'bite', tUbe 'meet'.

Valence changing derivations

An average Turkic system: 4 types of derivational affixes



Valency changing derivations

- causative: fully productive
- (11)a. butaq syn-dy.
 - branch break_intr-PST.3SG
 - 'The branch broke'.
 - alim butaq-ny syn-dyr-dy. b
 - Alim branch-ACC break_intr-CAUS-PST.3SG 'Alim broke the branch'.

Valency changing derivations

- **passive**: fully productive
- (12) a. alim qaRyt-ny zas-ty. Alim letter-ACC write-PST.3SG
 - 'Alim wrote the letter'.
 - b. qaRyt alim-ni
 - kUcU ble zaz-**y**l-dy. letter Alim-GEN by write-PASS-PST.3SG
 - 'The letter was written by Alim'.

Valency changing derivations

- reflexive: less productive, lexically restricted
- (13) a. ana-sy madina-ny tara-j-dy.
 - mother-3 Madina-ACC comb-IPFV-3SG
 - 'The mother is combing Madina's hair'.
 - b. madina tara-n-a-dy. Madina comb-REFL-IPFV-3SG
 - 'Madina is combing her hair'.

Valency changing derivations reciprocal: less productive, lexically restricted (14)a. alim lejla-ny uppa et-e-di. Alim Leila-ACC kiss-IPFV-3SG 'Alim is kissing Leila'. b. alim ble lejla bla uppa et-**iS**-e-di-le. Alim and Leila and kiss-REC-IPFV-3-PL 'Alim and Leila are kissing'.

In this talk

- causative
 - ✓ direct
 - ✓ indirect
- passive
 - ✓ promotional
 - ✓ "causal"
 - ✓ anticausative



Causative: direct/indirect

- Semantic difference: manipulative / directive causation causer / causee controlled action
- cf. feed (direct) vs. make eat (indirect)
- Relevant phenomenon:
- ambiguity of adverbials combined with indirect causatives cf. *feed quickly* (unambiguous) vs. *make eat quickly* (ambiguous)

Passive morpheme

- Promotional passive
- (15) eSik alim-ni kUcU ble ac-yl-dy. door Alim-GEN by open-PASS-PST.3SG 'The door was opened by Alim.'

Anticausative

- (16) eSik (kesi) ac-yl-dy. door (by_itself) open-PASS-PST.3SG
- 'The door opened (by itself).'
- Causal passive

Passive morpheme: causal passive

- (17) a. illew (*alim-ni kUcU ble) syn-dy. toy.NOM Alim-GEN by break-PST.3SG 'The toy broke (*by Alim).'
 - b. illew alim-ni kUcU ble syn-yl-dy.
 toy.NOM Alim-GEN by break-PASS-PST.3SG
 'The toy was broken by Alim.'







Derivational information



Database: Decision

Actional characteristics of the causing and caused events are identified independently.









Non-derived verbs

Parameters

- [± dynamic]
- [± transitive]
- [± external argument]
 [± manner specification]
- [± result state specification]







In this talk: four most significant classes

- [+ dynamic] [- trans] [- θ_{EXT}] [+ result state] (henceforth unaccusatives)
- [+ dynamic] [- trans] [+ θ_{EXT}] [- result state] (henceforth unergatives)
- [+ dynamic] [+ trans] [- manner] [+ result state] (henceforth result verbs)
- [+ dynamic] [+ trans] [+ manner] [- result state] (henceforth manner verbs)

Unaccusatives

tol 'fill.intr', syn 'break.intr', Ol 'die', eri 'melt', zuqla 'fall asleep'
(19) cojun tol-du.

pot fill.intr-PST.3SG 'The pot filled.'

Unergatives

cap 'run', *sekir* 'jump', *atla* 'march', *ulu* 'howl', *qycyr* 'shout'

(20) alim cap-ty. Alim run-PST.3SG

'Alim ran.'

Manner verbs

• *sUr* 'plough', *aSa* 'eat', *maxta* 'praise', *zaz* 'write', *oqu* 'read'

- (21) fatima alma-ny aSa-dy.
 - Fatima apple-ACC eat-PST.3SG 'Fatima ate an/the apple.'

Result verbs

ac 'open.tr', oj 'destroy', zap 'close.tr', zyrt 'tear.tr', ujat 'wake'

(22) alim || zel eSik-ni ac-ty. Alim || wind door-ACC open-PST.3SG 'Alim || the wind opened a/the door.'

Evidence for subevental structure scope of *zaNydan* 'again' Unaccusatives: *zaNydan* 'again' takes scope over the whole change of state event (23.1) or over the result state only (23.2) (23) cojun zaNydan tol-du. pot again fill.intr-PST.3SG 1. The pot filled again (the pot filled twice). 2. The pot got filled again (the pot was full twice).



- Unergatives: zaNydan 'again' takes scope over the whole event:
- (24) alim zaNydan cap-ty. Alim again run-PST.3SG Alim ran again.

Evidence for subevental structure

• Manner verbs: *zaNydan* 'again' takes scope over the whole event or over the process undergone by the patient only:

 (25)
 alim
 baxca-sy-n
 zaNydan
 sUr-dU.

 Alim
 garden-3-ACC
 again
 plough-PST.3SG

 1. Alim ploughed the vegetable garden again (the vegetable garden has been ploughed twice).
 2. Again, Alim ploughed the vegetable garden (Alim ploughed the vegetable garden twice).

Evidence for subevental structure

• Result verbs: *zallydan* 'again' can take scope over the result state, over the result state plus change of state or over the whole event:

(26) alim eSik-ni zaNydan ac-ty. Alim door-ACC again open-PST.3SG 1. Alim opened the door again (the door was open twice).
2. Alim opened the door again (the door opened twice).
3. Again, Alim opened the door (Alim opened the door twice).



Causatives: Morphology

- Two regular and fully productive causative markers -*t* and -*tyr*-.
- Distribution conditioned phonologically:
- -t- attaches after vowel and multisyllabic sonorant stems,
- *-tyr* occurs after consonant and monosyllabic sonorant stems.
- -t- and -tyr- are morphological exponents of the same morpheme.

Causatives: Morphology

Double or triple causatives are built with *-t-tyr-t*... or *-tyr-t-tyr*... accordingly:

- cap 'run' $\rightarrow cap$ -tyr 'cause to run' $\rightarrow cap$ -tyr-t 'make cause to run'
- eri 'melt.intr' $\rightarrow eri$ -t' 'melt.tr' $\rightarrow eri$ -t-tir 'cause to melt' $\rightarrow eri$ -t-tir-t 'make cause to melt'...

Causatives: Selection

Any verb, be it unaccusative, unergative, transitive or bitransitive, can be causativized by -tyr-. **Unaccusatives**

(27) alim cojun-nu Alim pot-ACC

Alim filled the pot.

tol-dur-du. fill.intr-CAUS-PST.3SG

Unergatives

(28) ustaz alim-ni cap-tyr-dy. teacher Alim-ACC run-CAUS-PST.3SG The teacher made Alim run.



Causative: recursive

Double causatives and even triple causatives are readily available:

(31)	direktor director eSik-ni door-ACC	ustaz-dan teacher-ABL ac-tyr-t-ty. open.tr-CAU		-	
		1		ke Alim open the d	loor.
(32)	fatima	ana-sy-dan mother-3-AB		madina-Ra Madina-DAT	et-ni meat-ACC
	eri-t-tir-t-ti.	CAUS-CAUS	-	Madilla-DA1	ineat-ACC
	Fatima cause	ed her mother i	to make Ma	adina unfreeze the	meat.



- (33) a. alim Uj-e-n zan-dyr-dy. house-3-ACC burn.intr-CAUS-PST.3SG Alim
 - 1. Alim burnt his house.
 - 2. *Alim's house burnt on him. <intended adversity reading>
 - b. alim-ni
 - zyrla-t-a-dy(-la). Alim-ACC sing-CAUS-PRS-3(-PL)
 - 1. They make Alim sing.
 - 2. *Alim feels like singing. <intended desiderative reading>

Causatives: Case assignment

Case assignment obeys Comrie's (1976) descriptive generalization: when the Causer is introduced, gaining a subject position, the Causee, ex-subject, is demoted to the highest available position at the hierarchy of grammatical relations:

(34) Comrie's Paradigm Case

S	>	DO >	IO >	OBL
NO	ОМ	ACC	DAT	ABL



Causatives: Evidence for event structure

- adverbial zaNydan 'again'
- time-span adverbials
- manner adverbials
- agent-oriented adverbials
- binding phenomena



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Causatives: Scope of 'again' Causatives of unaccusatives pattern with result verbs: (36) alim cojun-nu zaNydan tol-dur-du. Alim pot-ACC again fill.intr-CAUS-PST.3SG 1. Alim filled the pot again (the pot was full twice). 2. Alim filled the pot again (the pot filled twice). 3. Again, Alim filled the pot (Alim filled the pot twice).

Causatives: Scope of 'again'

Causatives of unaccusatives

- narrow scope (over result state)intermediate scope (over change of state+result state)
- wide scope (over activity+change of state+result statet)

Causatives: Scope of 'again'

Causatives of unergatives have the same scope possibilities as non-derived unergatives plus the widest scope over a causing event:

(37) ustaz alim-ni zaNydan cap-tyr-dy. teacher Alim-ACC again run-CAUS-PST.3SG

The teacher made Alim run again (Alim ran twice).
 Again, the teacher made Alim run (the teacher made Alim run twice).

Causatives: Scope of 'again'

Causatives of unergatives

 narrow scope (over caused event) 	\odot
 wide scope (over causing event + caused event) 	\odot



Causatives: Scope of 'again'

Causatives of transitives

	narrow scope	(over change of state)	
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■ intermediate scope (over activity+ change of state)

0

0

0

3

0

• wide scope (over causing event + caused event)

Causatives: Event structure

	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of zaNydan 'again'	2	1	3/2	3	2	4/3

Causatives: Scope of time-span adverbials

Causatives of unaccusatives: no scope ambiguity

(39) alim beS minut-xa cojun-nu tol-dur-du.

Alim five minute-DAT pot-ACC fill.intr-CAUS-PST.3SG 1. Alim filled the pot in five minutes.

2. *Alim caused the pot [to fill in five minutes].

- narrow scope (over result state)
- intermediate scope (over process+result state) 8
- wide scope (over activity+process+result state)

Causatives: Scope of time-span adverbials

Causatives of unergatives/transitives: time-span adverbials modify either the caused event or the causing and the caused event:

(40) ata-sy alim-ge beS saRat-xa baxca-sy-n sUr-dUr-dU. father-3 Alim-DAT five hour-DATgarden-3-ACC plough-CAUS-PST.3SG 1. The father made Alim plough the vegetable garden in five hours (i.e., ploughing event took five hours).

2. In five hours, the father made Alim plough the vegetable garden (i.e., both causing and ploughing took five hours).

Causatives: Scope of time-span adverbials

Causatives of unergatives/transitives

- narrow scope (over ch-of-state part of a caused event) 8
- intermediate scope (over caused event) 0 \odot
- wide scope (over causing event + the caused event)

Causatives: Event structure

	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of 'again'	2	1	3/2	3	2	4/3
Interpretation of time- span adverbials	1	1	1	1	2	2

Causatives: Scope of manner adverbials

Causatives of unaccusatives: no scope ambiguity

- (41) alim terk cojun-nu tol-dur-du.
 Alim quickly pot-ACC fill.intr-CAUS-PST.3SG
 1. Alim filled the pot quickly.
 2. *Alim caused the pot [to fill quickly].
- intermediate scope (over process+result state)

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■ wide scope (over activity+process+result state) ©

Causatives: Scope of manner adverbials

Causatives of unergatives/transitives: manner adverbials modify either the caused event or the causing *and* the caused event:

(42) ata-sy alim-ge terk baxca-sy-n sUr-dUr-dU. father-3 Alim-DAT quickly garden-3-ACC plough-CAUS-PST.3SG 1. The father made Alim plough the vegetable garden quickly (i.e., ploughing event occured quickly).

2. The father quickly caused Alim to plough the vegetable garden (i.e., both causing and ploughing occured quickly).

Causatives: Scope of manner adverbials

Causatives of unergatives/transitives

- narrow scope (over ch-of-state part of a caused event) 😕
- intermediate scope (over caused event)
- wide scope (over causing event + the caused event)

Causatives: Event structure

	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of 'again'	2	1	3/2	3	2	4/3
Interpretation of time-span adverbials	1	1	1	1	2	2
Interpretation of manner adverbials	1	1	1	1	2	2

Causatives: Agent-oriented adverbials

Two interpretations with causatives of unergatives/transitives, a single interpretation with causatives of unaccusatives:

- Causatives of unaccusatives
- (43) fatima lejla-Ra acuuRa butaq-ny syn-dyr-dy. Fatima Leila-DAT to.spite branch-ACC break.intr-CAUS-PST.3SG Fatima broke the branch to spite Leila.
- Causatives of unergatives
- (44) ustaz lejla-Ra acuuRa fatima-ny cap-tyr-dy. teacher Leila-DAT to.spite Fatima-ACC run-CAUS-PST.3SG 1. The teacher let Fatima run to spite Leila.
 - 2. To spite Leila, the teacher made Fatima run.

Causatives: Event structure

	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of 'again'	2	1	3/2	3	2	4/3
Interpretation of time-span adverbials	1	1	1	1	2	2
Interpretation of manner adverbials	1	1	1	1	2	2
Interpretation of agent-or. adverbials	-	1	1	1	2	2

Binding phenomena

Karachay-Balkar possesses a compound reflexive pronoun *kesi-kesi-n* ('self.3-self.3-ACC'). The first component has a fixed form, the second receives case marking.

- *kesi-kesi-n* is locally bound:

 bujruq
 ber-di.

 permission
 give-PST.3SG

 The teacher let Madina praise herself // *him.

kesi-kesi-n is subject oriented: kesi-kesi-n is subject oriented: (46) ustaz_i madina-Ra_j kesi-kesi-ni_{i, *j} UsUnden sor-du. teacher Madina-DAT self-self-GEN about ask-PST.3SG *The teacher asked Madina about himself // *herself.* (47) ustaz_i alim-ni_j kesi-kesi-ni_{i, *j} Uj-e-nde izle-di. teacher Alim-ACC self-self-GEN house-3-LOC look.for-PST.3SG *The teacher_i looked for Alim_j in his_{i, *j} own house.*

Binding phenomena

- Causatives of unaccusatives: one antecedent available
- (48) aman adam, alim-ni, kesi-kesi-ni, *, *
 bad man Alim-ACC self-self-GEN Uj-e-nde 0l-dUr-dU.
 house-3-LOC die-CAUS-PST.3SG The criminal, killed Alim, in his, *, own house.

Binding phenomena

- Causatives of unergatives: two antecedents available
- (49) aman adam, alim-ni, kesi-kesi-ni , j
 bad man Alim-ACC self-self-GEN
 Uj-e-ne cap-tyr-dy.
 house-3-DAT run-CAUS-PST.3SG
 The criminal, made Alim, run to his, j own house.

Binding phenomena

 Causatives of transitives: two antecedents available
 (50) ustaz_i madina-Ra_j kesi-kesi-n_{i,j} maxta-t-ty. teacher Madina-DAT self-Self-ACC praise-CAUS-PST.3SG *The teacher made Madina praise him || herself.*

Binding phenomena

Possible antecedents of kesi-kesin

	unaccusative	unergative	transitive	causative of an unaccusative	causative of an unergative	causative of a transitive
Subject (Causer)	٢	٢	٢	٢	٢	٢
Causee	n/a	n/a	n/a	8	٢	٢

Causative	es:	Eve	ent s	truct	ture	
	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of 'again'	2	1	3/2	3	2	4/3
Interpretation of time-span adverbials	1	1	1	1	2	2
Interpretation of manner adverbials	1	1	1	1	2	2
Interpretation of agent-or. adverbials	-	1	1	1	2	2
Binding of the compound reflexive	1S, 1BD	1S, 1BD	1S, 1BD	1S, 1BD	2S, 1BD	2S, 1BD

Causativization: Semantics

- Semantics of causative relation is different for causatives of unaccusatives and causatives of transitives/unergatives.
- Causatives of unaccusatives: direct causation (no intermediate causes),
- Causatives of transitives / unergatives: indirect causation (intermediate causes).



• With unaccusatives, the causative morpheme adds an activity subevent to the event structure: Causative: Causative: Causative: Causative: Change-of-state









Event structure and actionality

Actionality of the caused event remains intact

zaz 'write' <ES, P; P> (55) ustaz madina-Ra qaRyt-ny zaz-dyr-dy|| zaz-dyr-a-dy. teacher Madina-DAT letter-ACC write-CAUS-PST.3SG || write-CAUS-IPFV-3SG 1. The teacher made || is making Madina write a/the letter (in 10 minutes). (perfective, ES) 2. The teacher made || is making Madina write a/the letter (for 10 minutes). (perfective, P)

3. The teacher made // is making Madina be writing a/the letter {at 2 p.m.}. (progressive, P)



Event structure and actionality

Actionality of the causing event <u>Progressive</u> (58) ustaz alim-ni cap-tyr-a-dy. teacher Alim-ACC run-CAUS-PRS-3SG

The teacher is persuading Alim to run.

Perfective: ES, P Progressive: P TYR_{BIEVENTIVE}: <ES,P; P>



Passive morpheme

- \blacksquare -(I)l- / -(I)n- : phonologically conditioned distribution
- Ambiguous
- promotional passive
- ☞ anticausative
- causal passive
- Recursive: second, third, etc. morpheme causal passive only

Promotional passive



Promotional passive

- Selection: transitives (also derived, e.g., causatives)
- DO occupies the Subject position
- Subject is optionally expressed in the PP headed by kUcU ble 'by'
- (59) kerim k0lek-ni zyrt-ty. Kerim shirt-ACC tear-PST.3SG 'Kerim tore a/the shirt.'
- (60) k0lek (kerim-ni kUc-U ble) zyrt-yl-dy. shirt Kerim-GEN by tear-PASS-PST.3SG 'A/the shirt was torn by Kerim.'

Promotional passive: Event structure

Passivization does not affect event structure

	sUr 'plough'	sUr-Ul 'get ploughed'	ac 'open'	ac-yl 'get opened'
Subevental structure: scope of 'again'	2	2	3	3
Interpretation of time-span adverbials	1	1	1	1
Interpretation of manner adverbials	1	1	1	1
Interpretation of agent-or. adverbials	1	1	1	1

Promotional passive: Actionality

Passivization does not affect actional characteristics of the verb

zyrt 'tear' <ES,P; P> - zyrt-yl 'be/get torn' <ES,P; P>

k0r 'see' <ES,S; S> - k0r-Un 'be seen' <ES,S; S>

sUr-dUr 'make plough' <ES,P; P> <ES,P;P> sUr-dUr-Ul 'be caused to plough' <ES,P; P> <ES,P;P>





Anticausativization: Event structure

Anticausativization affects event structure

	bur 'turn.tr'	bur-ul 'turn.intr'	ac 'open.tr'	ac-yl 'open.intr'
Subevental structure: scope of 'again'	2	1	3	2
Interpretation of time-span adverbials	1	1	1	1
Interpretation of manner adverbials	1	1	1	1
Interpretation of agent-or. adverbials	1	-	1	-





Anticausativization: Actionality

<ES,P; P> result verbs: Atelic interpretation

• Group 1 : FAILED ATTEMPT and PARTIAL SUCCESS *oj* 'destroy', *buz* 'spoil', *quj* 'pour out', *soz* 'stretch', *tazala* 'clean', *t0g* 'spill out'

Group 2 : FAILED ATTEMPT

zyrt 'tear', ac 'open', ij 'untie', ujat 'wake up', zab 'close'



- lose atelic interpretation
- <ES,P; P> => <ES; P>



Causal passive

- Selection: intransitives (also derived, e.g. anticausatives, promotional/causal passives)
- Subject retains its position
- The meaning of external causation is introduced
- Causer is optionally expressed in the PP headed by kUcU ble 'by'



Causal passive: Causative coercion

 $-l_{-PASS}$ (Vintrans) $\rightarrow -l_{-PASS}$ (CAUS(Vintrans))

Evidence:

Intransitives combined with the passive morphology pattern with (overt) causatives with respect to event structure

- semantic type of causation
- interpretation of agent-oriented adverbials
- interpretation of time-span and rate adverbials
- scope of negation

Causal passive: Event structure

Illustration: Agent-oriented adverbials

Passives of unaccusatives: unambiguous

- (66) butaq lejla-Ra acuuRa syn-yl-dy. branch Leila-DAT to.spite break.intr-PASS-PST.3SG 'The branch was broken to spite Leila'.
- Causatives of unaccusatives: unambiguous
- (67) alim lejla-Ra acuuRa butaq-ny syn-dyr-dy.
 - Alim Leila-DAT to.spite branch break.intr-CAUS-PST.3SG 'Alim broke the branch to spite Leila'.



Causal passive: Event structure

	Unacc	usatives	Un	Unergatives		
	causative	passive	causative	passive		
Type of causation	direct	direct	indirect	indirect		
Scope of time-span and rate adverbials	unambiguous	unambiguous	two-way ambiguous	two-way ambiguous		
Interpretation of agent-oriented adverbials	unambiguous	unambiguous	two-way ambiguous	two-way ambiguous		
Scope of zaNydan 'again'	two-way ambiguous	two-way ambiguous	two-way ambiguous	two-way ambiguous		
Scope of negation	unambiguous	unambiguous	two-way ambiguous	two-way ambiguous		







- Affects actionality in the same way as the causative morpheme.
- This is what we would expect under coercion analysis of the causal passive: indeed, causative coercion acts as a causative morpheme, and promotional passive does not affect actionality.