

# Karachay-Balkar

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

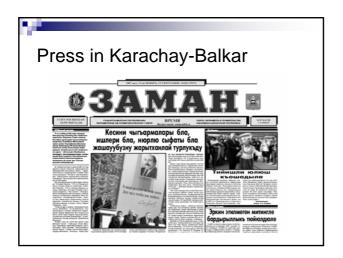
Turkic

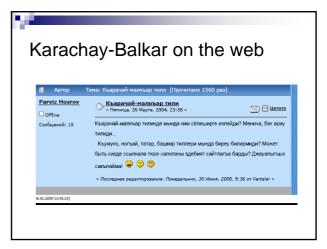
Kypchak Kypchak-Cuman

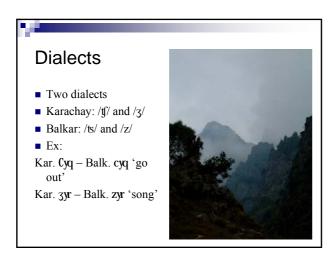
■ Writing system: Cyrillic alphabet

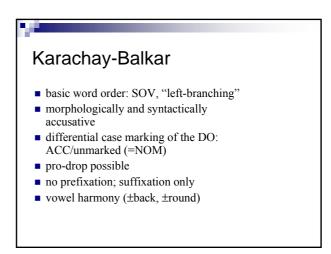
# Modern Karachay-Balkar alphabet

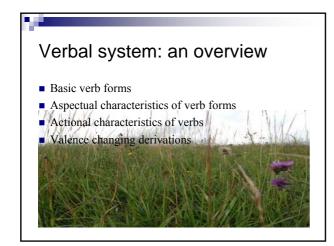
АаБб Вв Гг Гъгъ Дд Дждж Ее Ёё Жж Зз Ии Йй Кк Къкъ Лл Мм Нн Нгнг Нънъ Оо Пп Рр Сс Тт Уу Ўў у́ Фф Хх Цц Чч Шш Щщъ Ыыь Ээ Юю Яя

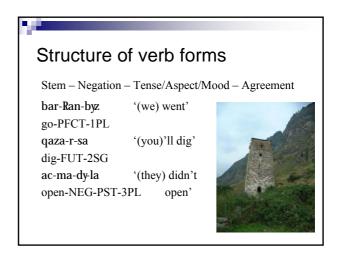


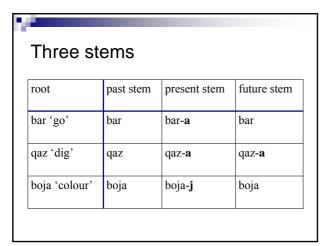


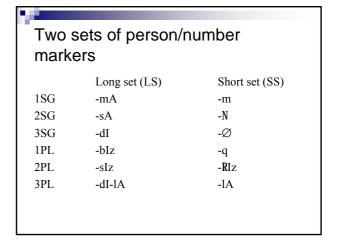


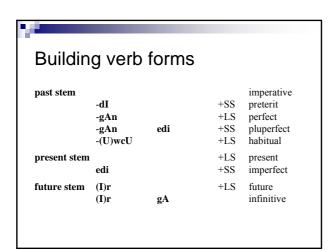


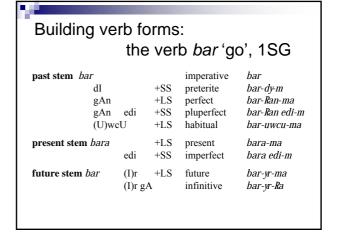


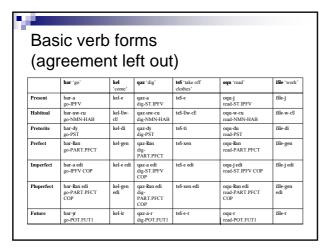


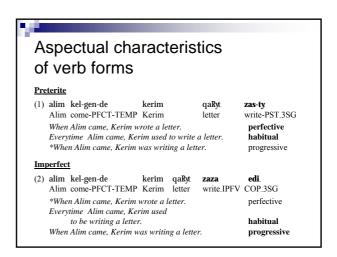












# Aspectual characteristics of verbal forms

	Progressive	Habitual	Perfective
Present	+	+	_
Imperfect	+	+	_
Habitual	_	+	_
Preterite	_	+	+
Perfect	_	+	+
Pluperfect	_	_	+
Future	_	_	+

# 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 *0l* 'die' – preterite and present

## Preterite:

- (3) alim 0l-dU.
- Alim die-PST.3SG
  - Alim died
- Entry into a state

### Present:

- (4) alim 0l-e-di.
  - Alim die-IPFV-3SG
  - Alim is dying.
- Process
- 0l 'die': < Preterite: Entry into a state; Present: Process>

# Actional characteristics of the verb 0l 'die' – other perfective forms

Entry into a state

### Perfect

- (5) alim Ol-gen-di.
  - Alim die-PFCT-3SG
  - Alim died.

## Pluperfect

- 6) alim Ol-gen edi.
  - Alim die-PFCT COP.3SG

    Alim had died. Entry into a state

### Future:

- (7) alim Ole-r-di.
  - Alim die-FUT-3SG Alim will die.
- Alim will die. Entry into a state

  Ol 'die': < Perfective: Entry into a state; Present: Process>

Imperfect

- (8) alim 0l-e edi.
- Alim die-IPFV COP.3SG
  - Alim was dying. Process

Actional characteristics of the verb

Ol'die' – other progressive forms

### *01* 'die'·

- <Perfective: Entry into a state; <u>Progressive</u>: Process>
- Ol'die': <Perfective: ES; Progressive: P>
- 01 'die': <ES; P>

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



# 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', 0l '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', tl/rt 'push', zawa 'rain'.

2.2. Ingressive atelic verbs: <EP,P; P>.

atla 'march', bar 'go', cap 'run', zl/z 'swim',  $\it qpsta$  'chase',  $\it soz$  'pull',  $\it uc$  'fly',  $\it kUl$  'laugh',  $\it z/la$  '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', zaby6 'stik, glue'
- SES, 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'.
  - b. alim butaq-ny syn-**dy**r-dy.
    - 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'.
  - $b. \; qa \hbox{\it Ryt} \quad alim-ni \qquad k \hbox{\it UcU ble} \; \; zaz-\hbox{\it yl}-dy.$
  - 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.

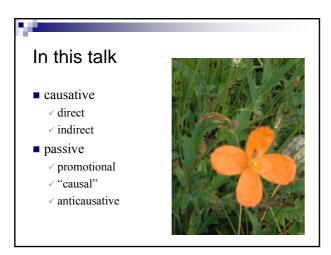
Alim Leila-ACC kiss-IPFV-3SG

'Alim is kissing Leila'.

b. alim ble lejla bla uppa et-**iS**-e-di-le.

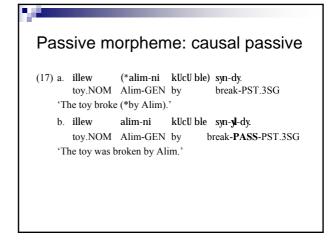
Alim and Leila and kiss-REC-IPFV-3-PL

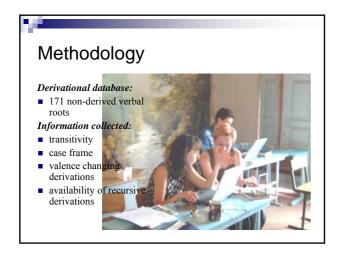
'Alim and Leila are kissing'.

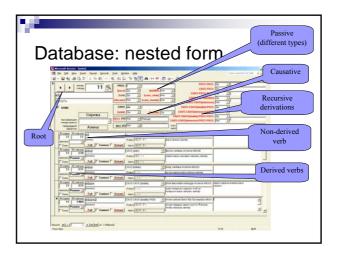


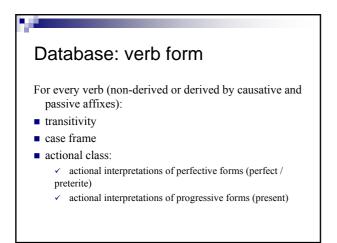
# Causative: direct/indirect Semantic difference: manipulative / directive causation causer / causee controlled action cf. feed (direct) vs. make eat (indirect) Relevant phenomenon: ambiguity of adverbials combined with indirect causatives cf. feed quickly (unambiguous) vs. make eat quickly (ambiguous)

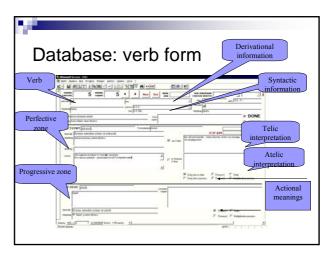
# Promotional passive (15) eSik alim-ni kUcU ble ac-yI-dy. door Alim-GEN by open-PASS-PST.3SG 'The door was opened by Alim.' Anticausative (16) eSik (kesi) ac-yI-dy. door (by\_itself) open-PASS-PST.3SG 'The door opened (by itself).' Causal passive

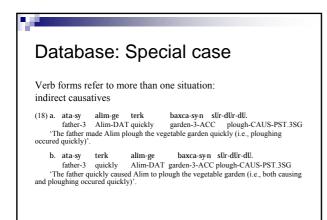


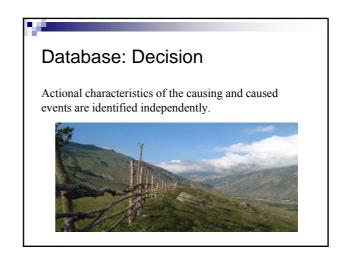


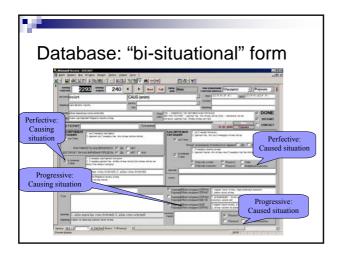


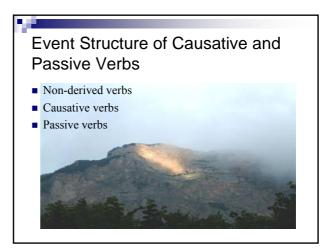




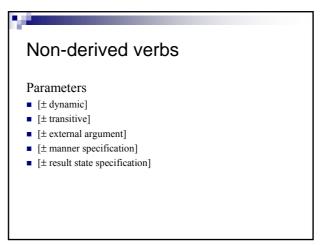


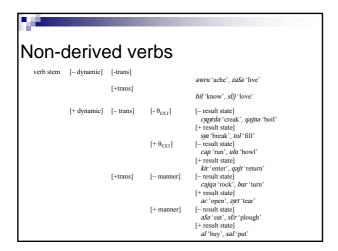


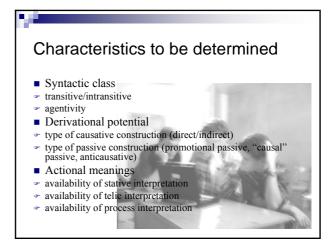


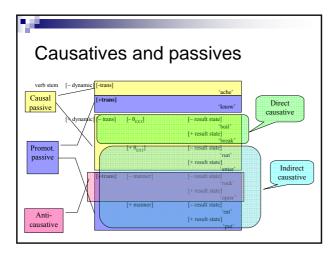


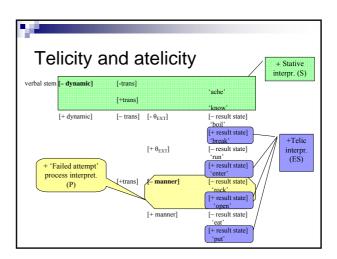












# In this talk: four most significant classes

- [+ dynamic] [- trans] [- θ<sub>EXT</sub>] [+ result state] (henceforth unaccusatives)
- [+ dynamic] [- trans] [+  $\theta_{EXT}$ ] [- 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', *0l* '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: *zallydan* '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).

# Evidence for subevental structure

■ Unergatives: zaNydan 'again' takes scope over the whole event:

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:

alim baxca-sy-n zaNydan Alim garden-3-ACC again 1. Alim ploughed the vegetable garden again (the vegetable garden has been ploughed twice). plough-PST.3SG

2. Again, Alim ploughed the vegetable garden (Alim ploughed the vegetable garden twice).

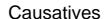
# Evidence for subevental structure

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

eSik-ni zaNydan door-ACC again ac-ty. 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
- -tyr- occurs after consonant and monosyllabic sonorant
- -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 tol-dur-du.

Alim pot-ACC fill.intr-CAUS-PST.3SG

Alim filled the pot.

# **Unergatives**

alim-ni (28) ustaz cap-tyr-dy.

Alim-ACC run-CAUS-PST.3SG teacher

The teacher made Alim run

# Causatives: Selection

### Manner verbs

alim-ge sUr-dUr-dU (29) ana-sy baxca-sy-n mother-3 Alim-DAT veg.garden-3-ACC plough-CAUS-PST.3SG  $The \ mother \ made \ Alim \ plough \ the \ vegetable \ garden.$ 

### Result verbs

eSik-ni ac-tyr-dy. (30) ustaz alim-ge teacher Alim-DAT door-ACC open.tr-CAUS-PST.3SG The teacher made Alim open the door.

# Causative: recursive

Double causatives and even triple causatives are readily available:

(31) direktor ustaz-dan alim-ge teacher-ABL Alim-DAT director

eSik-ni ac-tvr-t-tv

open.tr-CAUS-CAUS-PST.3SG The director caused the teacher to make Alim open the door.

(32) fatima madina-Ra ana-sy-dan et-ni mother-3-ABL Madina-DAT meat-ACC Fatima

melt-CAUS-CAUS-PST 3SG

Fatima caused her mother to make Madina unfreeze the meat.

# Causatives: Voice-bundling

(33) a. alim Uj-e-n zan-dyr-dy.

house-3-ACC burn.intr-CAUS-PST.3SG

1. Alim burnt his house.

2. \*Alim's house burnt on him. <intended adversity reading>

zyrla-t-a-dy(-la). b. alim-ni 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 OBL DO > Ю ACC NOM DAT ABL

# Causatives: Case assignment

The case assigned to Causee does not reflect its  $\theta$ -role, cf. (35) with the causative of the unergative verb cap 'run':

ustaz alim-ni||\*alim-ge cap-tyr-dy. teacher Alim-ACC|| Alim-DAT run-CAUS-PST.3SG The teacher made Alim run.

# Causatives: Evidence for event structure

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



# 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)
  - inarrow scope (over result state)
- intermediate scope (over change of state+result state)
- wide scope (over activity+change of state+result statet) ⑤

# 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
  - 1. The teacher made Alim run again (Alim ran twice).
  - 2. Again, the teacher made Alim run (the teacher made Alim run twice).

# Causatives: Scope of 'again'

Causatives of unergatives

- narrow scope (over caused event)
- wide scope (over causing event + caused event)

# Causatives: Scope of 'again'

Causatives of transitives have the same scope possibilities as nonderived transitives plus the widest scope over a causing event: (38) ata-sy alim-ge baxca-sy-n zaNydan sUr-dUr-dU.

- father-3 Alim-DAT garden-3-ACC again plough-CAUS-PST.3SG
- 1. Father made Alim plough the vegetable garden again (the vegetable garden has been ploughed twice).
- 2. Father made Alim plough the vegetable garden again (Alim ploughed the vegetable garden twice).
- 3. Again, father made Alim plough the vegetable garden (the father made Alim plough the vegetable garden twice).

# Causatives: Scope of 'again' Causatives of transitives narrow scope (over change of state) intermediate scope (over activity+ change of state) wide scope (over causing event + caused event)

	Un	Un	Tra	Ca	Ca	Ca tra
	Jnaccusatives	Unergatives	Transitives (result	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)
- (S)
- intermediate scope (over process+result state)
- 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 be\$ saRat-xa baxca-sy-n sUr-dUr-dU.
  father-3 Alim-DAT five hour-DAT garden-3-ACC plough-CAUS-PST.3SG
- ${\it 1. The father made Alim plough the vegetable garden in five hours (i.e., ploughing event took five hours).}$
- 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)
- 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

# Causatives: Scope of manner adverbials

Causatives of unaccusatives: no scope ambiguity

- cojun-nu tol-dur-du. (41) alim terk
  - Alim quickly pot-ACC fill.intr-CAUS-PST.3SG

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- 1. Alim filled the pot quickly.
- 2. \*Alim caused the pot [to fill quickly].
- narrow scope (over result state) intermediate scope (over process+result state)
- 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. garden-3-ACC plough-CAUS-PST.3SG father-3 Alim-DAT quickly
- 1. The father made Alim plough the vegetable garden quickly (i.e., ploughing event occured auickly).
- 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)
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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:
- (45) ustaz<sub>i</sub> madina-Ra<sub>j</sub> [PRO<sub>j</sub> kesi-kesi-n<sub>\*i,j</sub> maxta-rRa] teacher Madina-DAT self-self-ACC praise-INF

bujruq ber-di. permission give-PST.3SG

The teacher let Madina praise herself // \*him.

# Binding phenomena

- kesi-kesi-n is subject oriented:
- (46) ustaz, madina-Ra, kesi-kesi-ni, s, UsUnden sor-du.
  teacher Madina-DAT self-self-GEN about ask-PST.3SG

  The teacher asked Madina about himself // \*herself.

# Binding phenomena

- Causatives of unaccusatives: one antecedent available

# Binding phenomena

- Causatives of unergatives: two antecedents available

# Binding phenomena

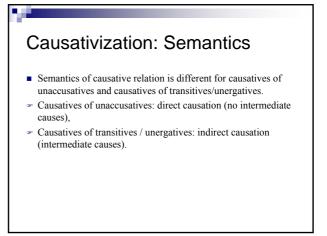
- Causatives of transitives: two antecedents available
- (50) ustaz<sub>i</sub> madina-Ra<sub>j</sub> kesi-kesi-n<sub>i,j</sub> maxta-t-ty. teacher Madina-DAT self-self-ACC praise-CAUS-PST.3SG The teacher made Madina praise him // herself.

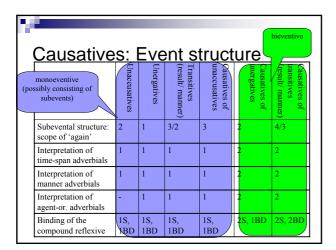
# Binding phenomena

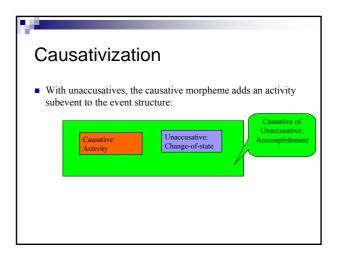
■ Possible antecedents of kesi-kesin

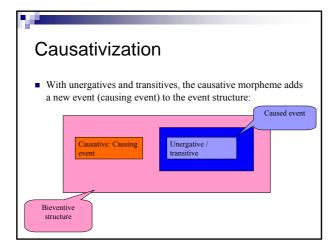
	unaccusative	unergative	transitive	causative of an unaccusative	causative of an unergative	causative of a transitive
Subject (Causer)	©	©	©	©	☺	©
Causee	n/a	n/a	n/a	8	☺	©

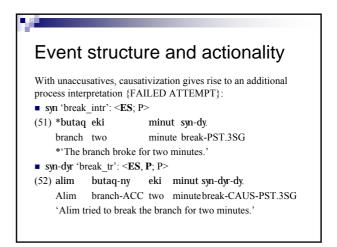
Causative	es:	Eve	ent s	truc	ture	
	Unaccusatives	Unergatives	Transitives (result/ manner)	Causatives of unaccusatives	Causatives of unergatives	Causatives of transitives (result/ manner)
Subevental structure: scope of 'again'	2	1	3/2	3	2	4/3
Interpretation of time-span adverbials	1	1	1	1	2	2
Interpretation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



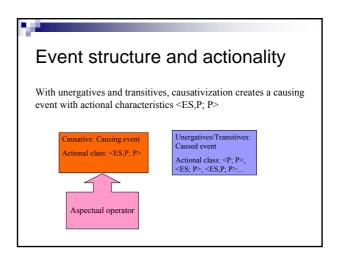








## Event structure and actionality eri 'melt\_intr': <ES, P; P> minut (53) kusok buz-nu eri-di. melt-PST.3SG ice-GEN two minute piece 'The piece of ice was melting for two minutes, but didn't melt to completion'. ■ eri-t 'fill tr': <ES, P1, **P2**; P> (54) alim kusok buz-nu eki minut eri-t-ti. Alim piece ice-GEN two minute melt-CAUS-PST.3SG 1. 'For two minutes, Alim was melting the piece of ice, {but didn't melt it to 2. 'For two minutes, Alim tried to melt the piece of ice, {but it was so cold that Alim failed completely}'.



# 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

### Perfective

- (56) ustaz eki minut-xa alim-ni cap-tyr-dy. teacher two minute-DAT Alim-ACC run-CAUS-PST.3SG In two minutes, the teacher persuaded Alim to run.
- (57) ustaz eki minut alim-ni cap-tyr-dy.
  teacher two minute Alim-ACC run-CAUS-PST.3SG
  For two minutes, the teacher tried to persuade Alim to run {but didn't succeed}.

# 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<sub>BIEVENTIVE</sub>: <ES,P; P>



# Passive morpheme

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



# 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-**y**l-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>

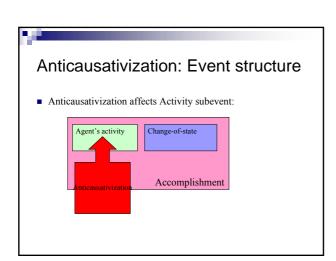
sUr-dUr 'make plough'  $\langle ES,P;P \rangle \langle ES,P;P \rangle$  -

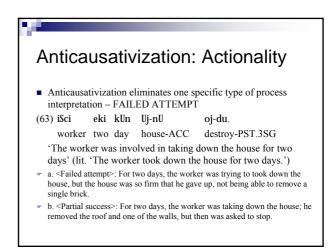
sUr-dUr-Ul 'be caused to plough' <ES,P; P> <ES,P;P>



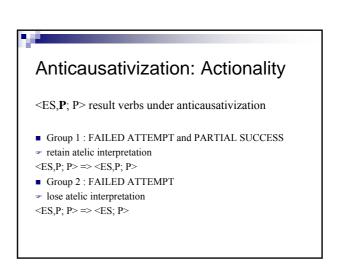
# Anticausative Selection: transitive [-manner] verbs (non-derived) DO occupies the Subject position Agent cannot be expressed (61) kerim k0lek-ni zyrt-ty. Kerim shirt-ACC tear-PST.3SG 'Kerim tore a/the shirt.' (62) k0lek (\*kerim-ni kUc-U ble) zyrt-yl-dy. shirt Kerim-GEN by tear-ANTICAUS-PST.3SG 'A/the shirt tore (\*by Kerim).'

Anticausativiza  Anticausativization affects			t stru	cture
	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 of 'destroy', buz 'spoil', quf 'pour out', soz 'stretch', tazala 'clean', t0g 'spill out' Group 2: FAILED ATTEMPT zyrt 'tear', ac 'open', if 'untie', ujat 'wake up', zab 'close'



# Causal passive



# 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

### Unaccusative

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

toy Alim-GEN by 'The toy was broken by Alim.'

Unergative

(65) a. alim (\*farida-ny kUcU ble) bar-dy.
Alim Farida-GEN by leave-PST.3SG

Alim Farida-GEN by 'Alim left (\*by Farida).'

b. alim farida-ny kUcU ble bar-yl-dy.
Alim Farida-GEN by leave-PASS-PST.3SG

'Alim left (because something was done) by Farida.'

# 7

# Causal passive: Causative coercion

Causal passive is a product of causative coercion

- the -*l* morpheme always applies to a **transitive predicate**;
- the -l morpheme existentially binds the Agent/causer argument and induces promotion of the Patient to the subject position;
- if a verb provides a suitable argument structure, which is the case with transitives, the -l morpheme produces a 'normal' promotional passive:
- if a predicate does not have a transitive argument structure, the verb undergoes coercion through covert causativization.
   Causativization introduces a new agent/causer argument, as usually, thus creating a transitive structure.

# 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

# Caucal passiva: Evant

# Causal passive: Event structure

Illustration: Agent-oriented adverbials

- Passives of unaccusatives: unambiguous
- (66) butaq lejla-Ra acuuRa syn-yl-dy.

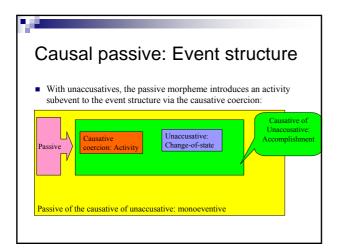
branch Leila-DAT to spite break intr-PASS-PST.3SG 'The branch was broken to spite Leila'.

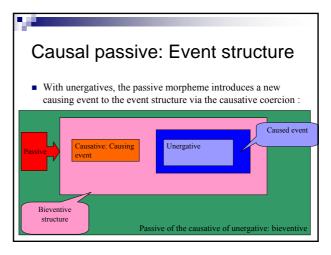
- Causatives of unaccusatives: unambiguous
- (67) alim lejla-Ra acuuRa butaq-ny syn-dyr-dy.

Alim Leila-DAT to spite branch break.intr-CAUS-PST.3SG 'Alim broke the branch to spite Leila'.

### Causal passive: Event structure ■ Passives of unergatives: ambiguous acuuRa fatima-nykUcU ble (68) alim lejla-Ra L.-DAT to.spite F.-GEN by swim-PASS-PST.3SG 1. 'Alim was allowed by Fatima to swim to spite Leila (it was Alim who wanted to spite Leila)'. 2. 'Alim was allowed to swim by Fatima, who wanted to spite Leila'. ■ Causatives of unergatives: two-way ambiguous (69) fatima alim-ni lejla-Ra acuuRa L.-DAT to.spite F. A.-ACC swim-PASS-PST.3SG 1. 'Fatima let Alim swim to spite Leila (it was Alim who wanted to spite Leila)'. 2. 'In order to spite Leila, Fatima made Alim swim (it was Fatima who wanted to spite Leila)'

Causal pas	ssive.	⊏veni	Siru	clure
	Unace	usatives	Lin	ergatives
	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





# Causal passive: Actionality 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.