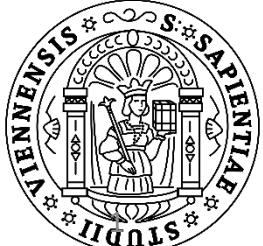


The expression of epistemic modality in the Volga-Kama Sprachbund

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Vienna University of Economics and Business
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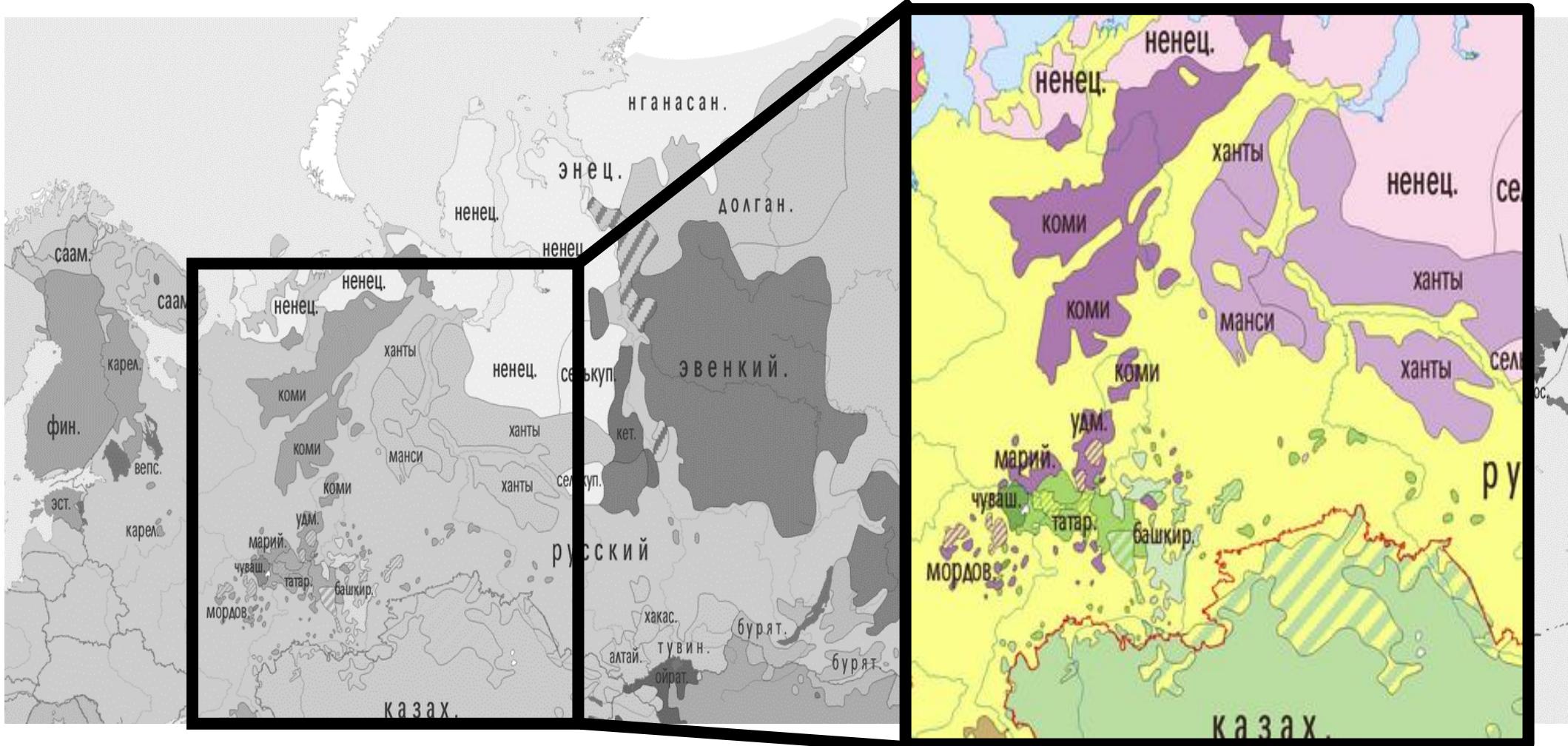


The Volga-Kama Sprachbund



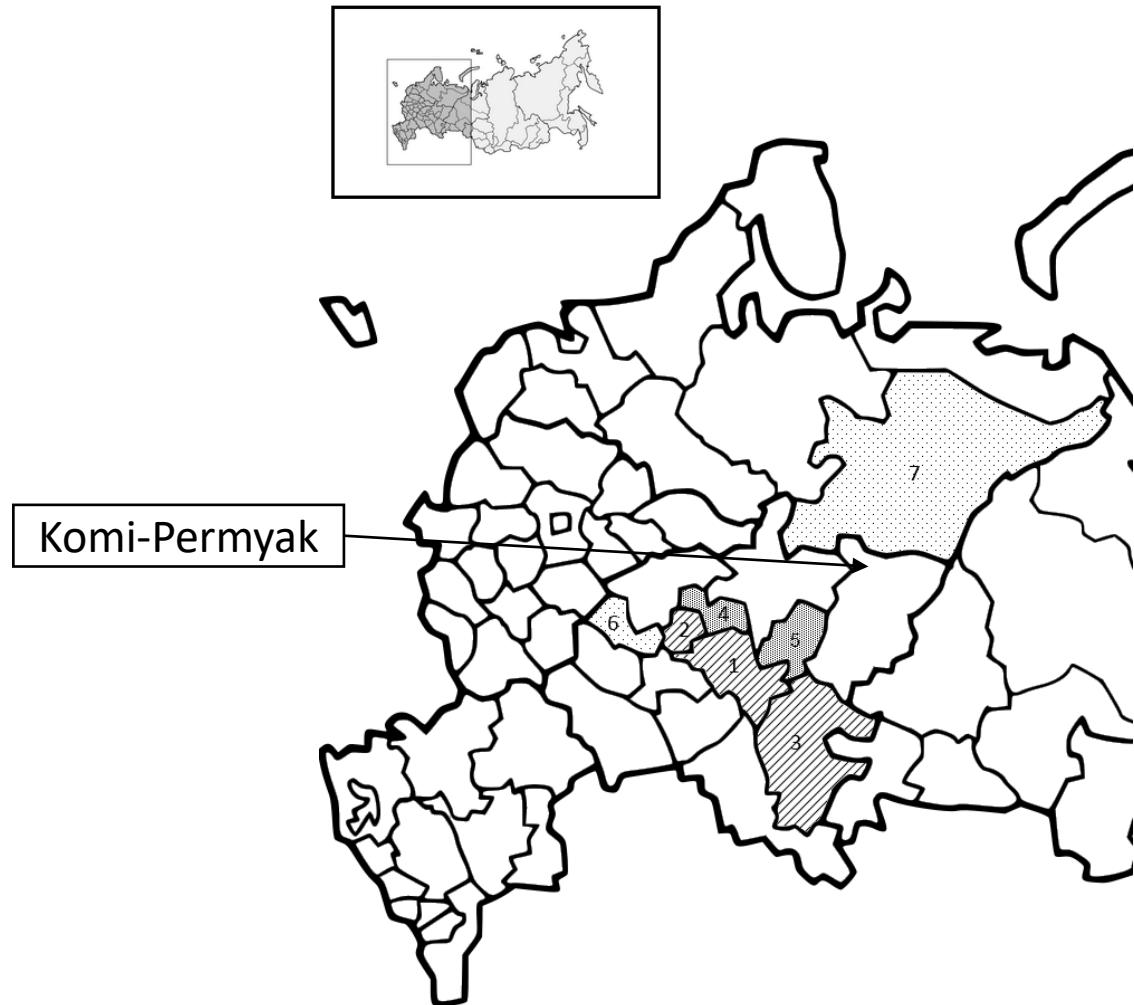
(cf. Helimski 2003)

The Volga-Kama Sprachbund



(cf. Helimski 2003)

The Volga-Kama Sprachbund



Titular republics of associated languages

Turkic core members (diagonal lines):

- 1) Tatarstan (Tatar)
- 2) Chuvashia (Chuvash)
- 3) Bashkortostan (Bashkir)

Finno-Ugric core members (dark dots):

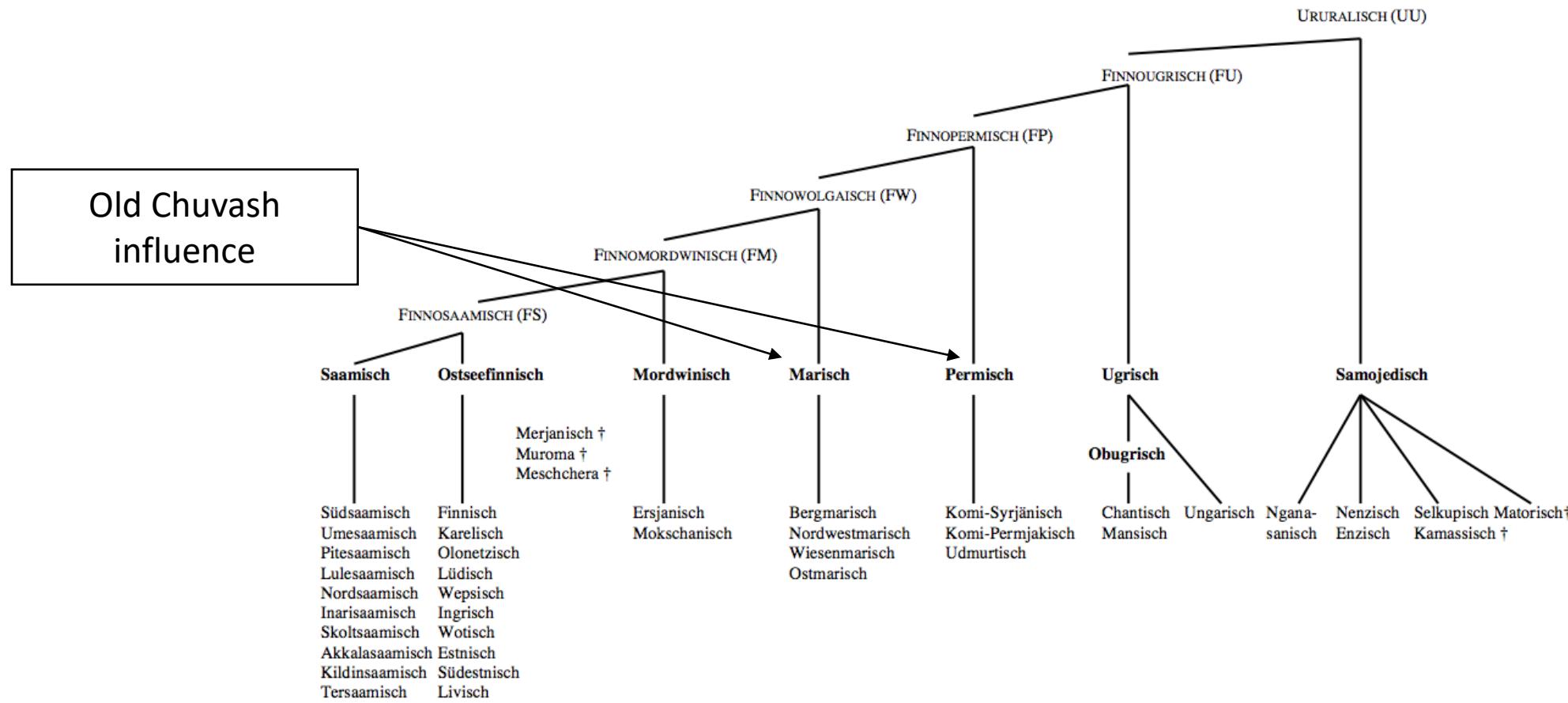
- 4) Mari El (Mari)
- 5) Udmurtia (Udmurt)

Finno-Ugric peripheral members (light dots):

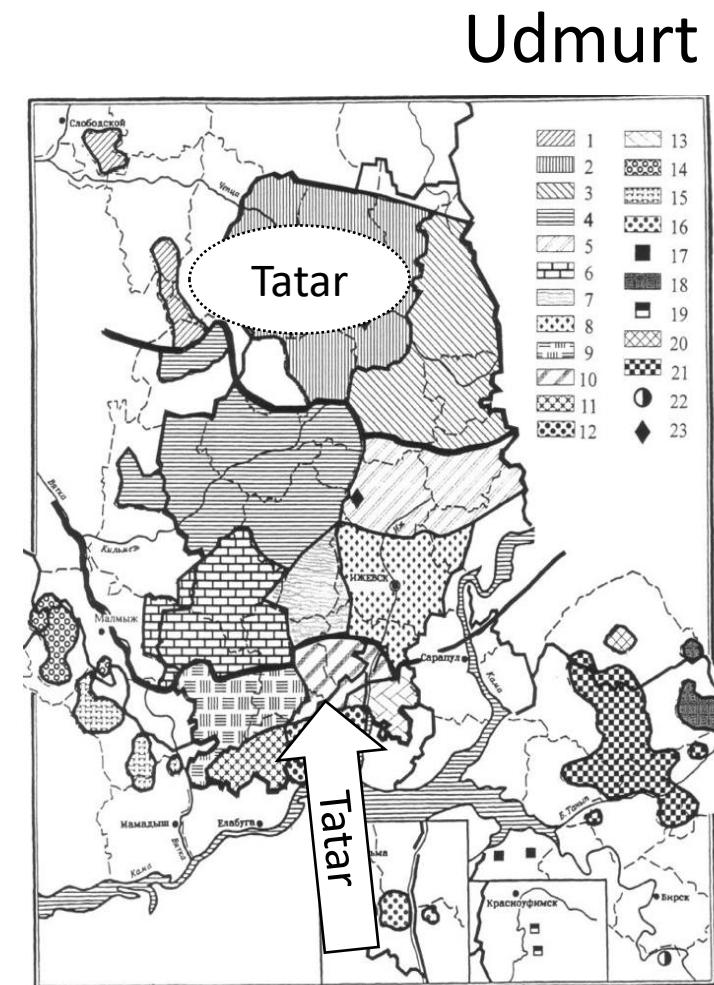
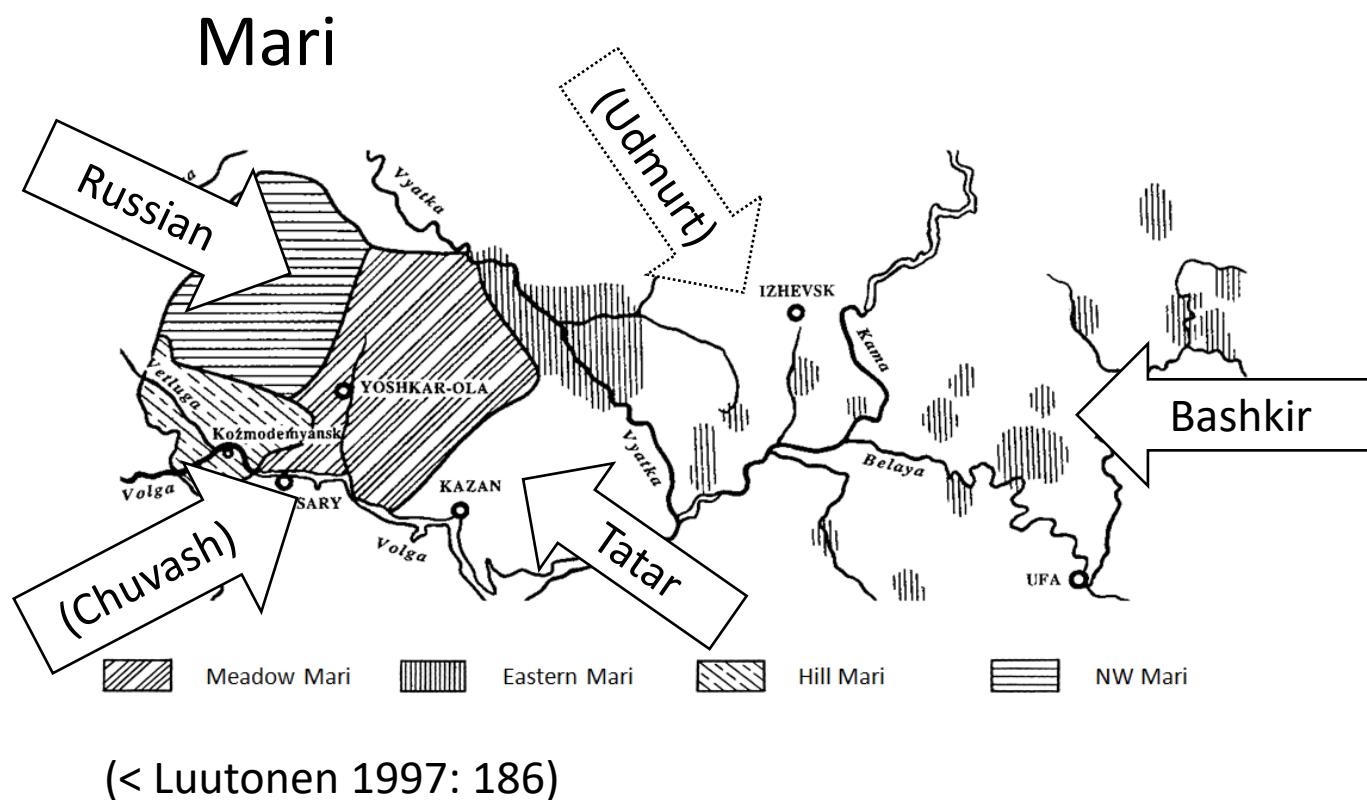
- 6) Mordovia (Mordvin)
- 7) Komi Republic (Komi)

(cf. Helimski 2003)

The Volga-Kama Sprachbund: History



The Volga-Kama Sprachbund: Dialectology



The Volga-Kama Sprachbund

	Mari	Udmurt	Komi-Permyak	Chuvash	Tatar
Speakers (Russia 2010)	388,378	324,338	63,106	1,042,989	4,280,718
EGIDS	4 (Educational)	6b (Threatened)	6b (Threatened)	6b (Threatened)	2 (Provincial)

[www.perepis-2010.ru/results of the census/](http://www.perepis-2010.ru/results_of_the_census/)
www.ethnologue.com/categories/endangerment

The Volga-Kama Sprachbund

Tatar	Udmurt	Chuvash	Mari	Meaning
	śamen	śeměn	semâñ	'in a ... manner'
matur		mattur	motor	beautiful
	jubo	jupa		column
	pukon	pukan	püken	chair
		kätkä	kutko	ant
taw	tau	tav	tau	greeting/thanks
...

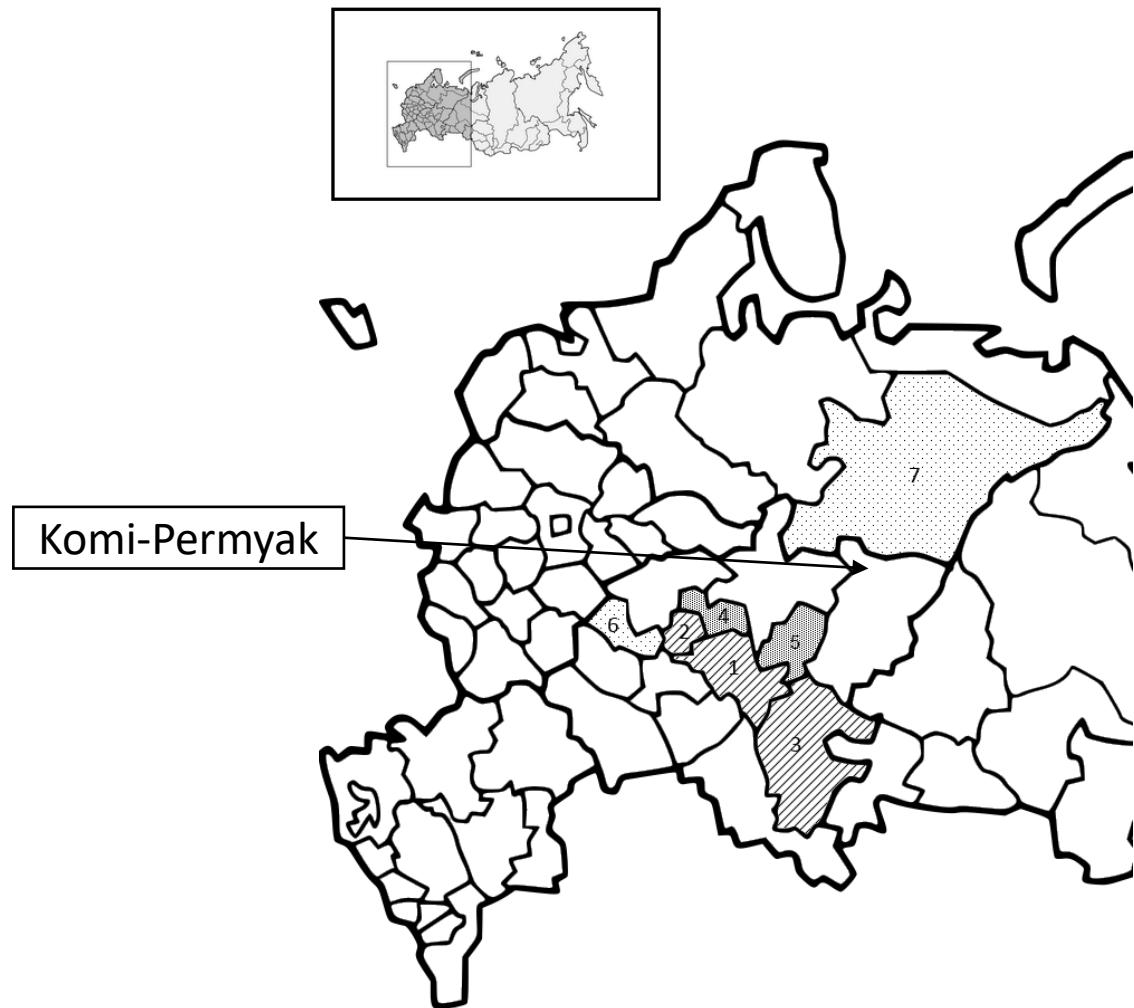
(cf. Wintschalek 1993:49–56)

The Volga-Kama Sprachbund

δər δər, tər Ob₁ Okr Ms Mm_{1,2}, *dər, tər*
Ob₂, *δər* Oka Mmu, *δ̄r, t̄r* Ok [<> Tat.]
wahrscheinlich, vermutlich, bestimmt, sicher,
gewiss, wohl (O Ms Mm_{1,2} Mmu). – *tuyè· δər*
Ob₁ Ms Mm₁, *tuyè· δ̄r* Ok vermutlich ist es
so. *nemnan šuža·r o·tāl-δər* Okr du bist be-
stimmt nicht unsere Schwester. *marðe·ž*
tālāra·k tār Mm₁ (YW 164) der Wind ist
doch gewiss stärker. *kombo tālāne·t jō·sö δər*
βūtlän βaštare·š i·a·š Oka dir, Gans, fällt es
sicher schwer, gegen den Strom („das Was-
ser“) zu schwimmen. *kajšaš kornet kužo-δər*
Okr dein Weg ist wohl lang? *māj om kajāδā·r*
Mm₂ ich gehe sicher nicht. *ila-·δər* Mm₂
lebt vermutlich. *ta·tše d̄jür tole·š-tār* Mm₂
heute regnet es wohl. *tuδā toleš-tār ta·tše*
Mm₂ er kommt wahrscheinlich heute.

(Moisio & Saarinen 2008: 130)

The Volga-Kama linguistic area



Some areal features:

- Reduced vowels
- Auxiliary constructions denoting *aktionsart*, benefactives
- Possessive suffix 3rd person singular for whole-part relationship
- Derivational suffixes can follow case suffixes
- Reduplication to denote intensity
- Numerous borrowed morphemes
- Dative has final meaning

(cf. Bereczki 1984, Bradley 2016)

> Epistemic modality

Epistemic modality

NOT: situational (or deontic/root) modality

(1) Mari (Riese et al. 2019: 264)

lud-šaš ul-am

read-PTCP.FUT-NEC be-1SG

‘I **have** to read’

cf. Nuyts 2012

Epistemic modality

NOT: Evidentiality (+ mirative extention)

(2) Mari (Riese et al. 2019: 264)

(a) lud-šaš ul-am **yl'e**
read-PTCP.FUT-NEC be-1SG **be.3SG.PST1**
'I had to read'

(a) lud-šaš ul-am **ulmaš**
read-PTCP.FUT-NEC be-1SG **be.3SG.PST2**
'I had to read (**it seems**)'

cf. Aikhenvald 2004

Epistemic modality

- (3) Forest Nenets (Burkova Forthcoming)

t^juk^ji: pa^jiŋota mja?₁ ñæ:-t[°]xa
this tsar house.NOM be-APRX.3SG

‘It looks like this is a tsar’s house’

- (4) German

Paula soll sich ein Auto gekauft haben
Paula should.3SG self a car buy.PTCP.PST have.INF

‘Paula is said to have bought a car’

- (5) English

perhaps I am your father

Situational vs epistemic modality

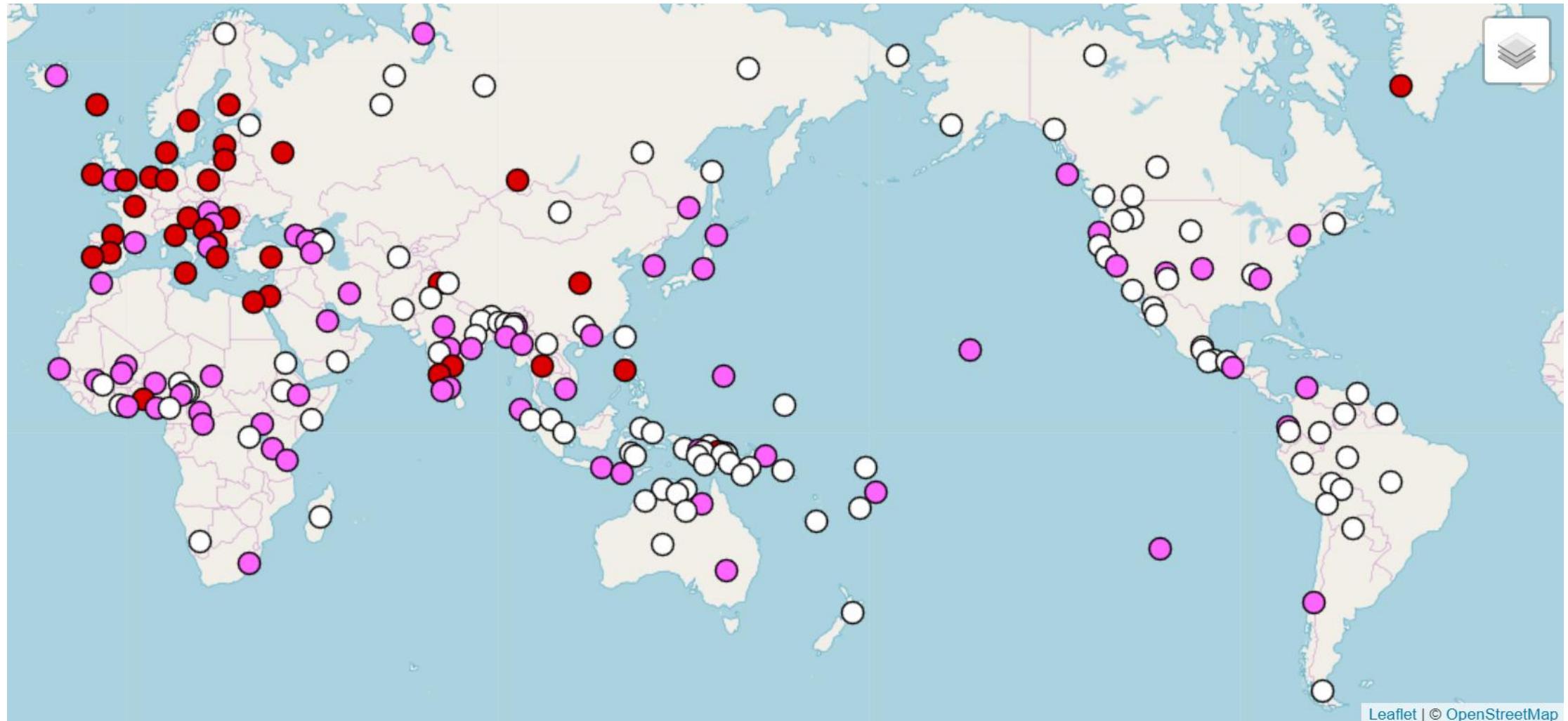
Epistemic modality:

„Epistemic modality indicates that the certainty or possibility of the information described is based on the speaker’s personal opinion” (van der Auwera & Ammann 2013)

Situational modality:

„Situational (in other words: root or deontic) modality indicates that an action can or need to take place according to internal or external factors, such as basic human needs or social conventions.” (Nuyts 2016)

Situational vs epistemic modality: Overlap



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(Riese et al 2019: 8)

Epistemic lexical items / clitics

Tatar =dyr ‘probably, perhaps, it seems’

(6) Tatar (elicited)

[...] Maşa, möğayin, äle yoqla-mí tor-ğan=dır
Masha probably yet sleep-neg.cvb stand-pst2=epi
'Masha probably hasn't gone to bed yet'

Epistemic lexical items

→ Mari, Udmurt dyr, Chuvash =tär/těr

(7) Udmurt (elicited)

[...] Maša iž-e ní dyr.
Masha sleep-3SG already probably
'Masha is probably sleeping already.'

(8) Mari (Riese et al. 2019: 344)

[...] tol-eš tyr [!]
come-3SG probably
'[S/he] is probably coming.'

Situational modality > epistemic modality

Most important necessitive constructions in Mari:

- (Dative +) infinitive *-aš* + auxiliary *kül-* ‘to need’ (in 3SG)
- (Dative +) necessitive infinitive *-man*
- (Nom. +) necessitive participle *-šaš* + *ul-* ‘to be’ (inflected for person)

Most important necessitive constructions in Udmurt:

- (Dative +) infinitive *-ny* + auxiliary *kule* ‘to need’ (PRS.3SG)
- (Dative +) necessitive participle *-ono* (not inflected)

Situational modality > epistemic modality

(9) Mari (elicited)

(a) Maša-lan uže mal-aš kül-eš.
Maša-DAT already sleep-INF need-3SG
'Maša already needs to sleep'

(b) Maša-lan uže maly-man
Maša-DAT already sleep-INF.NEC
'Maša already needs to sleep'

(c) Maša uže maly-šaš
Masha already sleep-PTCP.FUT-NEC
'Maša has to already be sleeping'
'Maša must already be sleeping (I think)'

Epistemic modality in the Volga-Kama Region

(10) Udmurt (elicited)

(a) Maša-ly ižy-ny kul-e ní
Maša-DAT sleep-INF must-3SG already

‘Maša has to already be sleeping.’

‘Maša must already be sleeping (I think)’

(b) Maša-ly iž-ono ní.
Maša-DAT sleep-PTCP.NEC already
‘Maša needs to be sleeping already.’

Epistemic modality in the Volga-Kama Region

(11) Chuvash (elicited)

(a) un-ăñ unta pul-malla
 3SG-GEN there be-PTCP.NEC
 's/he has to be there'

(b) văl kaj-nă pul-malla
 3SG go-PTCP-PST be-PTCP.NEC
 's/he must be gone'

Epistemic modality in the Volga-Kama Region

(12) Tatar (elicited)

Maşa	uyau	bul-ırga	tiyeş.
Masha	awake	be-INF	must

‘Masha must be awake.’

‘Masha must be awake (I assume).’

(13) Eastern Mari (elicited)

Maša	uze	mal-aš	tieš [!!]
Maša	already	sleep-INF	must

cf. kül-eš must-3SG

‘Maša has to already be sleeping’

‘Maša must already be sleeping (I think)’

Epistemic modality in subordinate clauses

(14) Mari

(a) joltaš-em, erla tol-am **man-yn**, ojly-š
friend-PX1SG tomorrow come-1SG say-CVB say-PST.3SG
'My friend said that s/he would come tomorrow.'

(b) myj kol-yn-am, **pujto** erla pogyny-maš lij-eš
1SG hear-PST2-1SG **that** tomorrow gather-NMLZ be.FUT-3SG
'I heard there will be a meeting tomorrow.'

Epistemic modality in subordinate clauses

(15) Buryat (Skribnik forthcoming)

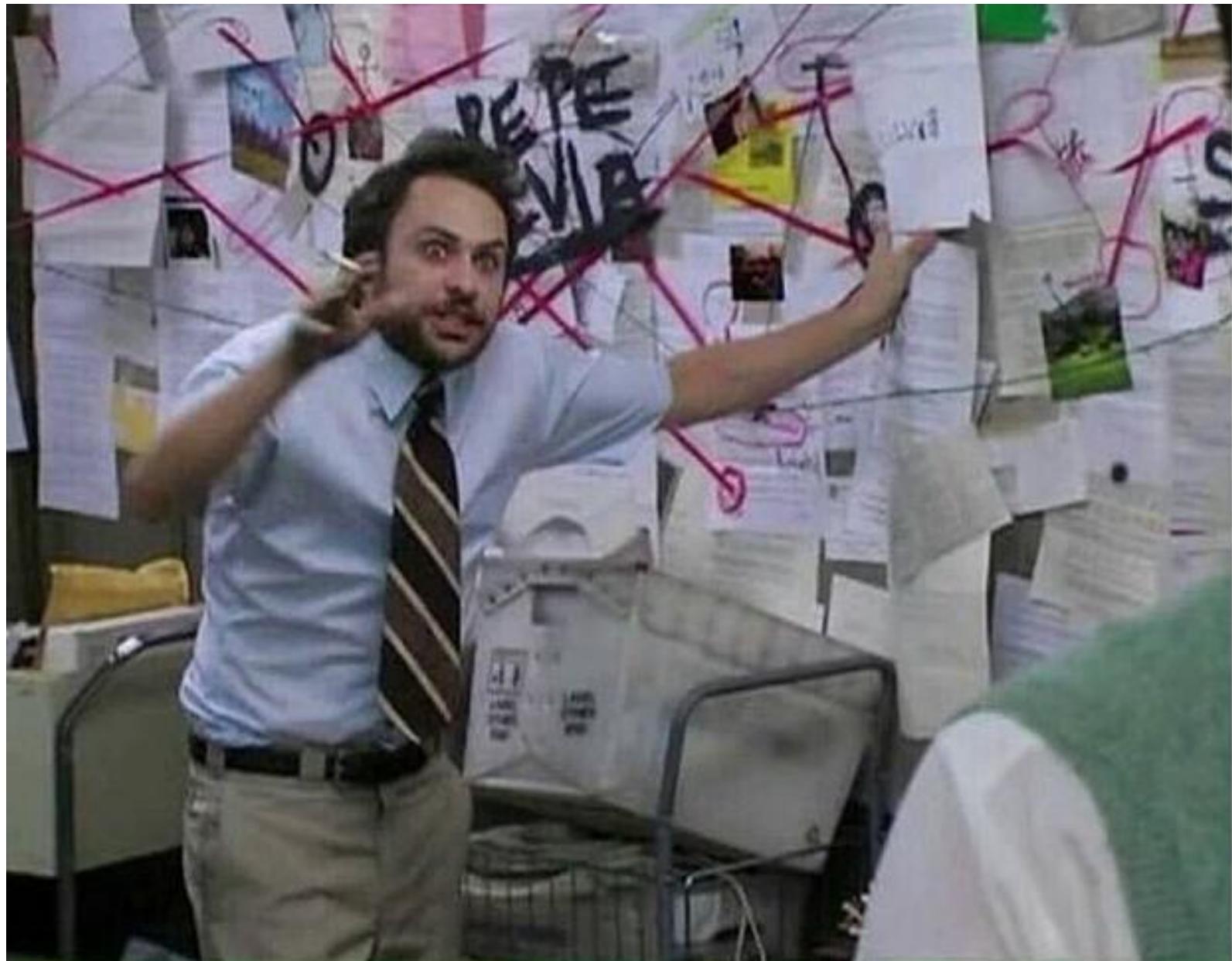
Ši busa-xa-š **geže** mede-ne-b
you come_back-FUT-2SG say.CVB know-PRS-1SG
'I know that you will come back.'

(16) Russian (Kosogova et al. 2010: будто)

on govor-it tak, **budto** by znaj-et všo ob etom
3SG.M talk-3SG SO **as_if** COND know-3SG all about DEM.N.PREP
'He talks as if he knew all about it.' (cf. Kehayov & Torn-Leesik 2009)

Summary

	Hill Mari	Meadow Mari	Udmurt	Chuvash	Tatar
lexical marker <i>dyr</i>	-	+	+	+	+
Necessitative participle > e.m.	+	+	-	+	-
Auxiliary verb 'must' > e.m.	-	-	+	-	+
Russian budto-clauses	+	+	+	-	-



Conclusions and Prospects

- Borrowing of clitic =dyr from Tatar into Meadow Mari and Udmurt
- No borrowing of inflectional morphology in this domain
- Transfers of functionality common in the region
- Differences between Mari and Udmurt correlate with differences between contact languages (Chuvash, Tatar)

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