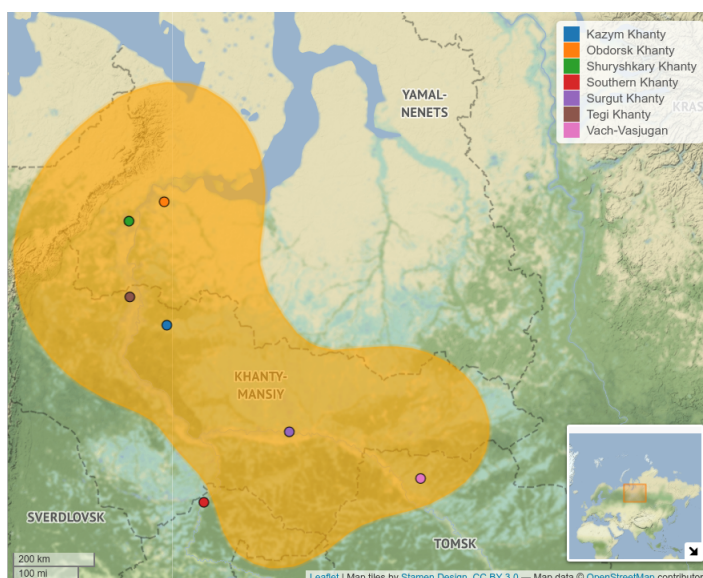# Kazym Khanty dataset

EGG2023, Novi Sad

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1 Basic facts

Russia, Khanty-Mansi autonomous region, Kazym

Vowel and consonant inventories (Kukhto et al. 2018). In the practical transcription, λ = ł

Table 1. The inventory of consonantal symbols

p			t´	k
	s	š	ś	χ
m	n		ń	ŋ
	λ		λ´	
	l			
w			j	
	r			

Not every vowel occurs in the first syllable:

Table 2. The inventory of vocalic symbols (1st σ on the left, the rest are on the right)

i	ʉ	u	i	
e	ɵ		e	ə
(ɛ)		o	(ɛ)	
ä	a			a

Nominal inflection:

≫ base - number - possession - case (1)

≫ if the base ends in /u i/, insertion of /w j/ is possible (*wʉλi + (ə)n → wʉλijn* 'deer-LOC')

(1)   *jaj-λ-aλ-a*
       brother-PL-POSS.3SG-DAT

       '3SG's brother'

Verbal inflection:

≫ base - tense - inversive - agreement (2a)

≫ if the base ends in /u i/, /w j/ insertion sometimes occurs (*ari + (ə)s → ari-js* 'sing-PST')

≫ infinitive: base + *ti/əm* (NPST/PST); *əm* after /u i/ causes insertion of /w j/ (*tɵ-ti* 'carry-NFIN.NPST' vs *tʉw-əm* 'carry-NFIN.PST')

(2)   a.   *λɵt-s-aj-ən*
             buy-PST-PASS-2SG

             'you were bought'

2   Vowel-zero alternations

Schwa is a phoneme, see a minimal pair in (3).

(3)   a.   kurt 'iron'
       b.   kur-ət 'bull-PL'

3 types of verbal bases wrt. schwa behaviour:

Form	No schwa	Alternating schwa	Stable schwa
	ort- 'divide'	ir(ə)t- 'turn'	orət- 'drag'
NPST[3SG]	ort-əλ ∼ orλ	irət-λ	orət-λ
PST[3SG]	ort-əs	irt-əs	orət-s
NPST-2SG	or-λ-ən	irt-λ-ən	orət-λ-ən
PST-2SG	or-s-ən	irt-s-ən	orət-s-ən
NPST-1DU	or-λ-əmn	irt-λ-əmn	orət-λ-əmn
PST-1DU	or-s-əmn	irt-s-əmn	orət-s-əmn

Vowel-final verb bases:

(4) Ca#
     χunta-s 'run-PST' — *χunta-s-n* 'run-PST-2SG'

(5) Ci#
     arij-s 'sing-PST' — *ari-s-ən* 'sing-PST-2SG'

(6) Cə#
     pɵrλə-s 'soar-PST' — *pɵrλə-s-n* 'soar-PST-2SG'
     also: *pɵrλə-s-mən* 'soar-PST-1DU'

(7) a.   ari + əs → arijəs → arijs
     b.   ari + əs + ən → ari + s + ən   (Egorov 2022)

Nominal inflection: possessive vs case markers

Form	Ci#	Ca#	CVC#
	wʉλi 'deer'	λapka 'shop'	sʉmət (sʉmt) 'birch'
NOM	wʉλi	λapka	sʉmət (sʉmt)
LOC	wʉλi-jn	λapka-jn	sʉmət-n
POSS.3PL	wʉλen	λapka-jn	sʉmt-ən
PL	wʉλet	λapka-jt	sʉmt-ət

3   Stress

Trochee with some quirks (Tjutjunnikova 2022).

(8) a. ˌpăsaˈnɛma   păsan-ɛm-a 'table-POSS.1SG-DAT'

     b. ˈλaraś   λaraś 'box'

     c. ˈλaraˈśɛma   λaraś-ɛm-a 'box-POSS.1SG-DAT'

     d. ˈλaraśa   λaraś-a 'box-DAT'

     e. ˈpăsan   păsan 'table'

     f. ˌmuχəˈλaja   muχəλaja 'around'

     g. juntˈλaλən   junt-λ-aλ-ən 'game-PL-POSS.3SG-LOC'

Interaction with schwa (Tjutjunnikova 2023).

(9) a. λaˈraśλa   λaraś-(ə)λ-a 'box-POSS.3SG-DAT'

     b. ˈpaknəλˈsəmn   paknəλ-(ə)s-əm(ə)n 'scare-PST-3DU'

     c. ˈpirśˈλaλən   pir(ə)ś-λ-aλ-ən 'old-PL-POSS.3SG-LOC'

     d. kɵrˈtəta ∼ ˈkɵrtəta   kɵrt-ət-a 'settlement-PL-DAT'

     e. ˈsewrsaˈλəmn   sew(ə)r-(ə)s-aλəm(ə)n 'chop-PST-1DU>NSG'

4   Questions to consider

About schwa:

≫ Is schwa epenthetic? Does it appear in the course of computation or is it rather deleted in some places?

≫ How can cases of glide insertion (*wʉλi-jn* 'deer-LOC') versus vowel coalescence (*wʉλ-en* 'deer-POSS.3PL') be brought apart?

≫ Are there several distinct entities that surface as schwa or a single one? Why?

About stress:

≫ Why is the trochee violated?

≫ Is stress weight-sensitive?

≫ Do schwa-zero alternations feed stress placement or does stress placement affect schwa?

≫ Are there syllabic consonants?

Glossing abbreviations

1 = first person, 2 = second person, 3 = third person, DAT = dative, DU = dual, LOC = locative, NFIN = non-finite, NOM = nominative, NPST = non-past, NSG = non-singular, PASS = passive, PL = plural, POSS = possessive, PST = past, SG = singular.

References

Egorov, Il'ja. 2022. De schwa ostiaco. Talk at the Khanty fieldwork group seminar.

Kukhto, Anton et al. 2018. Practical transcription revisited. Talk at the Khanty fieldwork group seminar.

Tjutjunnikova, Varvara. 2022. Udarenie v kazymskom xantyjskom [Stress in Kazym Khanty]. Fieldwork report.

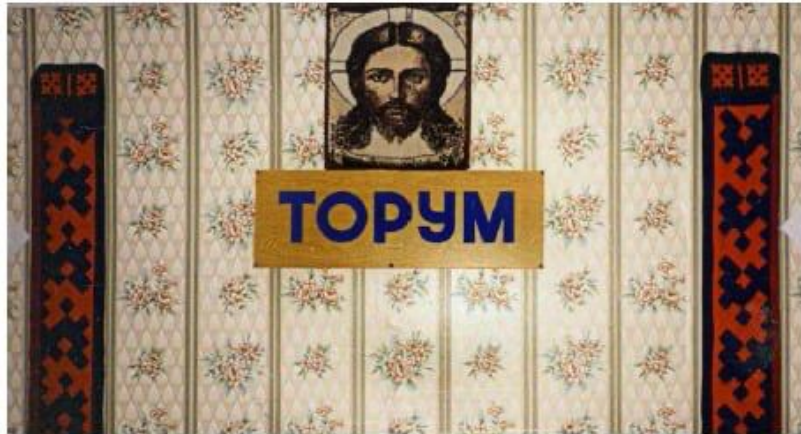Tjutjunnikova, Varvara. 2023. Stress, vol. 2. Talk at the Khanty fieldwork group seminar.

Fig. 2.17. Interior of the House of Culture in Pim settlement, 2001, featuring the name Torum (the Khanty high god) beneath an icon of Christ