

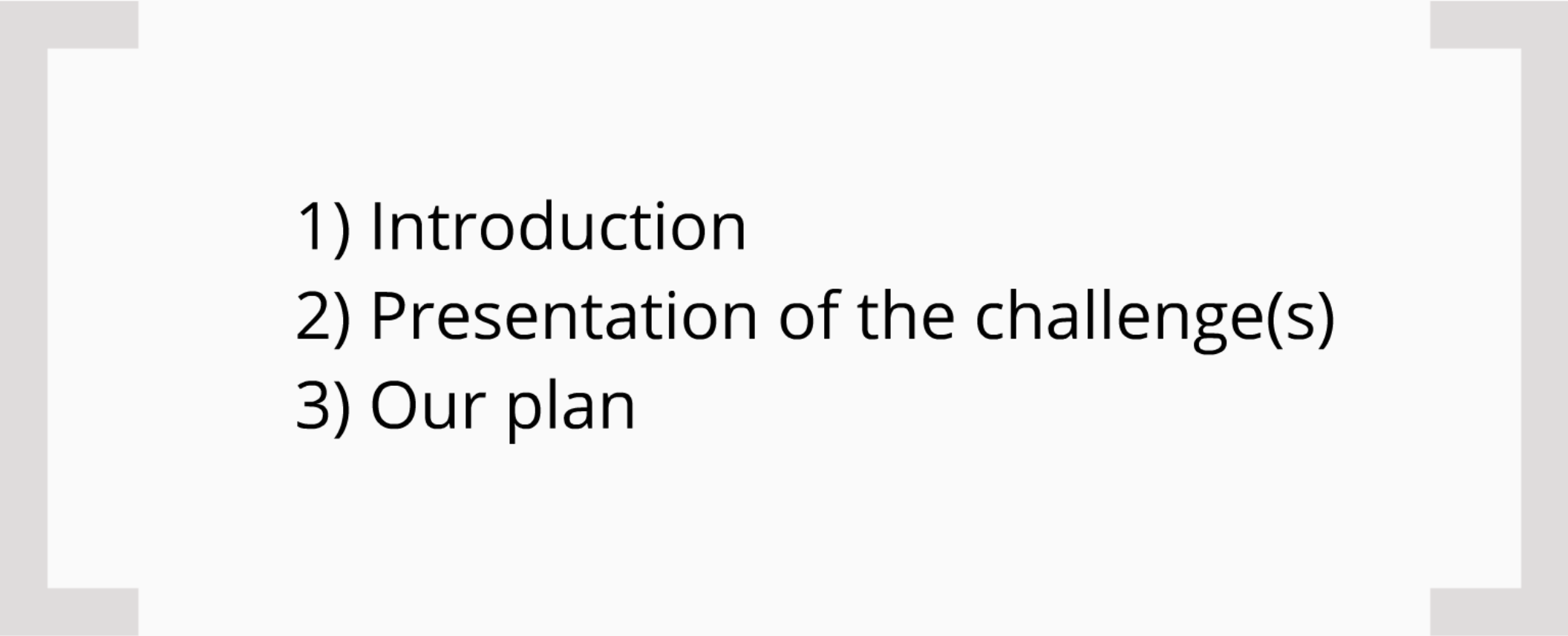


KONEEN SÄÄTIÖ

CHALLENGES CONSTRUCTING A MULTILECTAL GRAMMAR

The case of the Western Serengeti languages

Lotta Aunio, Rasmus Bernander, Antti Laine, Tim Roth
Descriptive Grammars and Typology
Helsinki 27-29 March 2019


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- 1) Introduction
 - 2) Presentation of the challenge(s)
 - 3) Our plan

The Mara region and languages

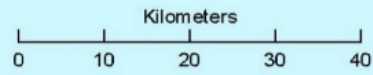
- Region in Northwestern Tanzania, between Lake Victoria and the Serengeti
- 20 or so Bantu varieties (JE20 & JE40) in the East Nyanza branch of Great Lakes Bantu (Glottolog lists 12 "languages" in E-Nyanza)
- Other language phyla are also present: Luo, Maa and Datooga represent the three main branches of Nilotic, and there is evidence of a Cushitic presence in the past as well

- Linguistically diverse region with extensive language contact between the various varieties
- High degree of micro-variation: while most varieties are closely related Bantu ones, the historical picture is obscured by long term contact among the Bantu groups as well

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Ethnic Groups in Mara Region



Western Serengeti languages

Ikoma-Nata-Ishenyi (ntk, JE45) and Ngoreme (ngq, JE401)

- Ikoma 19,000
- Ishenyi 8,000
- Nata 7,000
- Ngoreme 55,000 (Mwibara and Rogoro dialects)


Our project

Linguistic Variation as an Indicator of Historical Relations and Language Contact:
A comparative grammar of four Mara Bantu languages (Tanzania)

- University of Helsinki project funded by the Kone Foundation
- We're studying the 4 (or 5) Western Serengeti (WS) varieties, which show remarkable microvariation especially in their vowel and tone systems, several aspects of morphosyntax, and their tense & aspect systems

- **ALL 4 language varieties are to be described**
 - All these language varieties are endangered (to a varied degree)
 - None of them have been adequately described before

Why multilectal grammar?

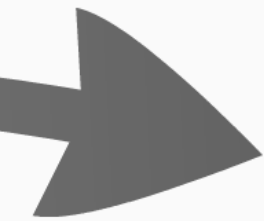


Why multilectal grammar?



Both descriptive and explanatory advantages
with a multilectal approach:
Making use of the complementary and
mutually beneficial strategies of language-
internal synchronic analysis AND historical-
comparative analysis

Work
The h
i)
ii)



ges

2

Allows inferences on historical as well as ongoing language change:

-Synchronic (micro-)variation = instantiation of different stages along the same diachronic pathway

NB: Also for investigating the process of integration and further development of borrowed matters & patterns



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3

Works the other way around as well.

The historical-comparative evidence may:

i) offer an explanation to the variation found

ii) help to explain peculiar synchronic traits

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- i) offer an explanation to the variation found
- ii) help to explain peculiar synchronic traits

But how to present it?

How do we provide a systematic presentation of the description and analysis of the language data?
Problems arise when the subsystems vary to the degree that they are not parallel

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Problems arise when the subsystems vary to the degree that they are not parallel

n-ko-VB-a SBJ-V-ru
n-ko-VB-a SBJ-áre
SBJ-ra-βa SBJ-ra-VB-a

Onomasiologically

a single meaning is expressed through different strategies in the different varieties



Semasiologically

the same form have different meanings in different varieties

ne and Ikoma progressive aspects
(present, past, and future)

ne	Ikoma
<i>SBJ-V-ní</i>	<i>SBJ-ra-VB-a</i>
<i>SBJ-áre</i>	<i>n-SBJ-V-ré SBJ-ra-VB-a</i>
<i>ra-VB-a</i>	<i>n-SBJ-ku-βa SBJ-ra-VB-a</i>

3.SG-NARR-3.SG-see

also widow

one poor

3.SG-PRG-put

muyo chááchafa ñbere.
in coins two

'He also saw a poor widow **putting** in two very small copper coins.'

General problems: Similar complications as for monolectal grammars

- a) How do we make the results easily **retrievable**, analyzable but also reproducible for other researchers?
- b) How do we make the results easily **retrievable** and beneficial **for the actual speakers?**

- Functionalities

Imperfectives in Ngoreme and Ikoma

	Ngoreme	Ikoma
they ARRIVE	<i>βa-ra-hík-a</i> 2.SP-IPFV-arrive-FV 'they arrive, are arriving, will arrive'	<i>m-ba-ako-hík-a</i> FOC-2.SP-IPFV-arrive-FV 'they arrive, are arriving, will arrive'
we SPEAK	<i>tu-ra-γáámban-a</i> 1.PL.SP-IPFV-speak-FV 'we speak, are speaking, will speak'	<i>n-to-oγo-síiker-a</i> FOC-1.PL.SP-IPFV-speak-FV 'we speak, are speaking, will speak'
we DIG	<i>tu-ra-túk-a</i> 1.PL.SP-IPFV-dig-FV 'we dig, are digging, will dig'	<i>n-to-oγo-túk-a</i> FOC-1.PL.SP-IPFV-dig-FV 'we dig, are digging, will dig'

**But how to
present it?**

Ngoreme and Iko
(present, p

Luke 18:36-37

Ngoreme:

Enkaaya ooyúúre aβánto aβaaru βa-ku-hét-a hayó, a-ka-βóóri,
when he heard people many 3.PL-SIT-pass-FV there 3.SG-NARR-ask

“Keho ke?” βa-ka-mu-βóórr-a, “Yéésu wa Násareti a-ra-hét-a.”
what happen 3.PL-NARR-3SG-say/tell-FV Jesus of Nazareth 3.SG-IPFV-pass-FV

Ikoma:

Hano óywire aβááto βááru βa-ra-hét-a háyo, a-ka-βóóri, “Neke
when he heard people many 3.PL-PRG-pass-FV there 3.SG-NARR-ask what

ye-eká-βonek-a?” βa-ka-mo-βoorer-a, “Yesu ó moyya o Násareeti niwé a-ko-hét-a.”
7-NUCL-happen-FV 3.PL-NARR-3SG-say/tell-FV Jesus of town of Nazareth indeed 3.SG-IPFV-pass-FV

(As Jesus approached Jericho, a blind man was sitting by the roadside begging). When he heard the crowd **going by**, he asked what was happening. They told him, “Jesus of Nazareth **is passing by.**”

Luke 21:2

Ngoreme:

A-ka-murór-a *ɣwiki omosíno omwé omutóβu* *a-ra-tóór-a* *muyo*
3.SG-NARR-3.SG-see also widow one poor 3.SG-IPFV-put-FV in

chisaraafu *iβére* *chensúúhu* *tu*
coins two small only

Ikoma:

A-ka-mo-riyi *wiiki* *omosíno* *umu* *muháβe* *a-ra-tóór-a*
3.SG-NARR-3.SG-see also widow one poor 3.SG-PRG-put-FV

muyo *chááchaβa* *iβere.*
in coins two

‘He also saw a poor widow **putting** in two very small copper coins.’

we dig, are digging, will dig'

Ngoreme and Ikoma progressive aspects (present, past, and future)

Ngoreme	Ikoma
<i>n-ko-VB-a SBJ-V-ní</i>	<i>SBJ-ra-VB-a</i>
<i>n-ko-VB-a SBJ-áre</i>	<i>n-SBJ-V-ré SBJ-ra-VB-a</i>
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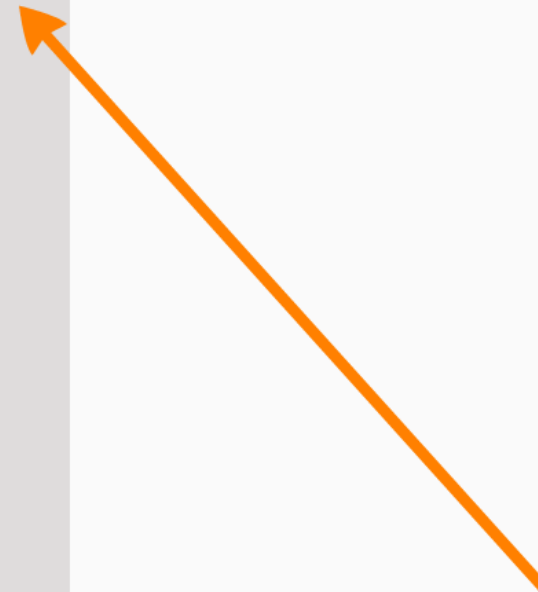
General problems: Similar c

a) How do we make the results easily r

Our plan

- A digital platform: website
- In collaboration with
 - FIN-CLARIN: <https://kitwiki.csc.fi/twiki/bin/view/FinCLARIN/KielipankkiFrontpage>
 - "The descriptive grammar of the Mordvin languages" Arja Hamari & Rigina Ajanki, Department of Finnish, Finno-Ugrian and Scandinavian Studies
- Functionalities

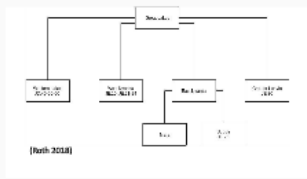
- It can present descriptions of a single language/ variety (or some subsystem).
- One can search for a certain subsystem (e.g. demonstratives) or feature and have a parallel view of these in all languages involved.
- The linguistic descriptions could be translated and presented in another language (e.g. Russian in the case of Mordvin or Swahili in the case of Bantu languages), which would be beneficial for the local communities.
- The examples can be retrieved from an annotated database (Korp) and can appear as examples for different relevant phenomena.
- There is a link from the examples to the relevant descriptions of linguistic categories.
- Sound and video files could be linked to the system.
- The system would be browsable and contain a browsable table of contents.
- The annotation could also be done at word level so that search functions would also find individual words within the example corpus (which could be sentences, texts, and word lists/dictionaries); this way, the grammar would simultaneously function as a corpus.



What else?

How?

With whom?



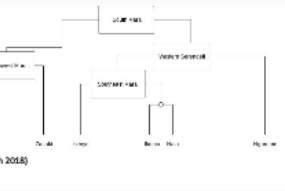
(Rohr 2018)

The Maru region and languages



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English: International Phonetic Alphabet (IPA) symbols and their names
 German: International Phonetic Alphabet (IPA) symbols and their names
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(Rohr 2018)

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- Functionalities

Table 18.34 37
 Ngoreme
 when he heard people many 3.PL.SF-PFV-arrive 3.SG-NARR-arrive
 'when he heard people many, they arrived'

Ikoma
 when he heard people many 3.PL.SF-PFV-arrive 3.SG-NARR-arrive
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Linguistic Variation as an Indicator of Historical Relations and Language Contact:
 A comparative grammar of four Maru-Bantu languages (Tanzania)

- Aims: to provide a descriptive and explanatory account of the historical relations and language contact between the four languages
- Methods: comparative grammar, historical linguistics, diachronic analysis, internal synchronic analysis, internal synchronic analysis

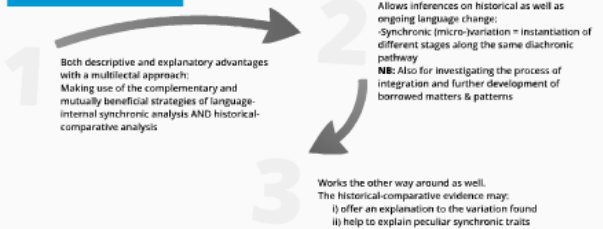
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Laura Nurmi, Nanna Borander, Antti Lahti, Taina Luoma
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we SPEAK	<i>ba-ra-yidimban-a</i> 1.PL.SP-3PV-speak-FV 'we speak, are speaking, will speak'	<i>n-to-ape-tiler-a</i> FOC-1.PL.SP-3PV-speak-FV 'we speak, are speaking, will speak'
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<i>n-ko-VB-a</i> <i>SBJ-are</i>	<i>n-SBJ-V-re</i> <i>SBJ-ra-VB-a</i>
<i>SBJ-ra-fla</i> <i>SBJ-ra-VB-a</i>	<i>n-SBJ-ku-fla</i> <i>SBJ-ra-VB-a</i>

Table 21.2
 Ngoreme

	1st Sg	2nd Sg	3rd Sg	1st Pl	2nd Pl	3rd Pl
arrive	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko
dig	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko
speak	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko

Ikoma

	1st Sg	2nd Sg	3rd Sg	1st Pl	2nd Pl	3rd Pl
arrive	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko
dig	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko
speak	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko	ni-ko

Onomasiologically – a single meaning is expressed through different strategies in the different varieties

OR

Semasiologically – the same form have different meanings in different varieties

- General problems: Similar complications as for monolectal grammars**
- How do we make the results easily **retrievable**, analyzable but also reproducible for other researchers?
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