# Citing the spoken word: Adventures in language documentation

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Department of Linguistics University of Hawai'i at Mānoa Me, selwan ag kupi emae, tiawi itraus traus traus traus, natrauswen ga itaos nlag. Itrausi pan kaipa. Me komam uta laap kin uto mau, a? Malen umat, inom.

But when you are far away the old man can talk and talk and talk, his story is like the wind. He tells it and it is gone. But there aren't many of us left. When we die, it will be finished.

†Kalfapun Mailei, 1998, Erakor Village, Efate, Vanuatu (NT1-98009-A, 1932.36 1942.16)





"Il n'est pas d'avantage possible à la linguistique de représenter fidèlement le parler des langues vivantes même à l'aide de ces transcriptions arbitraires, tout à fait insuffisantes, imaginées faute de mieux, et qu'aucun accord n'est parvenu à uniformiser. ... tout celà dont la linguistique est incapable, le phonographe dès maintenant en offre la possibilité."

"Nor is it possible for linguistics to faithfully represent the speech of living languages even with the help of its arbitrary and totally insufficient transcriptions, made up for want of better and which no agreement has ever made uniform. ... all that of which linguistics is incapable, the phonograph from now on makes possible."

(Léon Azoulay 1900:175)

'there is the special methodological interest in the frank and full presentation of all available linguistic evidence '(Malinowski 1935: 4) 'If I could, by a good phonographic record, counterfeit the living voice of Tokulubakiki: [...] I should certainly be better able to *translate* the text in the sense of imparting to it its full cultural flavour and significance. Again, if by cinematographic picture I could reproduce the facial expression, the bodily attitude, the significant gestures, this would add another contextual dimension.' (Malinowski 1935: 26)

"I'm not particularly interested in 'smoothed-over' versions of native culture. I like the stuff in the raw, as felt and dictated by the natives. [...] The genuine, difficult, confusing, primary sources. These must be presented, whatever else is done. [...] There are too many glib monographs, most of which time will show to be highly subjective performances. We need to develop in cultural anthropology that *anxious respect for documentary evidence t*hat is so familiar to the historian, the classical scholar, the Orientalist. [...] where is the raw evidence? I can't tell whether a given statement is common native knowledge or is merely your interpretation of one man's say-so."

Letter written by Edward Sapir to Fay Cooper-Cole, 25 April 1938, quoted in Regna Darnell. 1990. *Edward Sapir: Linguist, Anthropologist, Humanist*. Berkeley: University of California Press.

'There is no reason whatever why, in the future, an exact and physiological study of speech should not use the apparatus of sound films for reproducing fully contextualised utterances.' (Malinowski 1935: 26)

Malinowski, Bronislaw. 1935. Coral gardens and their magic. Vol II London: G. Allen & Unwin.

Descriptive grammars written since Sapir and Malinowski may have been built on a corpus of recordings,

but that is not evident from the finished product

## Perspectives on grammar writing

Payne: 'good linguistic descriptions provide the raw data for much research into the organization of the human mind'

In recent years the 'emphasis has shifted back to the centrality of data.'

Studies in Language, 2006, 30:2 p.236

second person, i.e., the linguist), 171.1.3 (asking addressee to convey prohibition to other person); negative suggestion 20.19.3 (if the sense is approximately 'let's not go there'); negation of morally/legally improper behaviour ('mustn't') 54.1.6, 54.4.1-2 57.4.4, 67.2.2-3, 68.4.6, 68.5.3, 75.1.3 (three), 75.2.2, 76.1.4, 76.2.2/8, 77.1.3, 77.2.1/2/5, 83.1.2/3 (three), 84.1.5, 85.1.1/4/7, 88.3.1/2/3 (note that most of these exx. are in a sequence of short texts about customary kinship-based behaviour); inability (usually translated as English cannot with present[!] tense) 20.7.3, 20.8.5, 42.6.4 (all involving sense 'cannot see'); negative intention (1st person) or prediction (any person) 17.13.4 (TI won't spear you'), 28.13.4 (15g), 62.5.2 (15g), 90.2.7 ('He will not [be forced to] go to jail', perhaps in moral/legal sense but if so not focusing on subject's responsibility, rather on unnamed coercing agents), 164.2.4 ('we[ExMDu] might not return' with particle /ari/ 'maybe', §12.11), 164.3.3 (1ExMDu), 165.1.7 (3P1, prediction).

Past Potential Negative is uncommon in the texts. It occurs in 120.6.1-3, and there is a good ex. from Hughes in TNT 27. Past Potential Negative is used in negating either clause in a counterfactual condition, see discussion §16.7. The ex. in TNT 27 is as

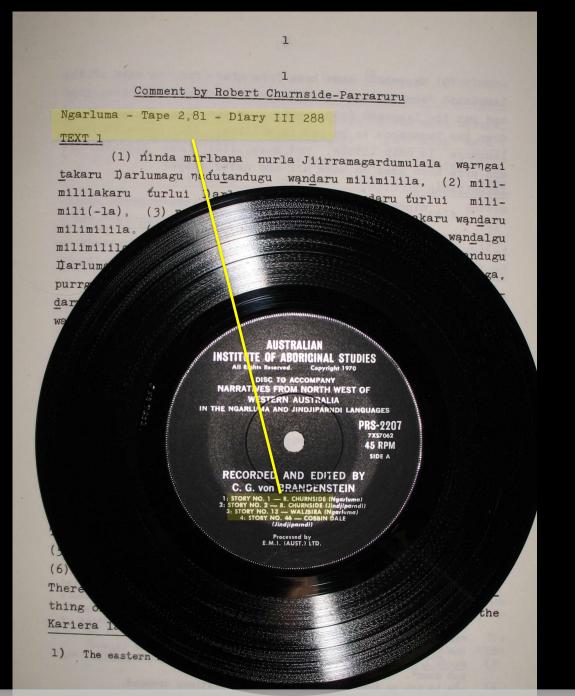
follows in my transcription:

(15.xlii) yagi-maga: bamba:-'=bi-ni bamba:-'=ga:ru:-'
neg- you-hit-[it-]for-them you left them
'You shouldn't have hit them, you should have
left them [alone]' (TNT 27)

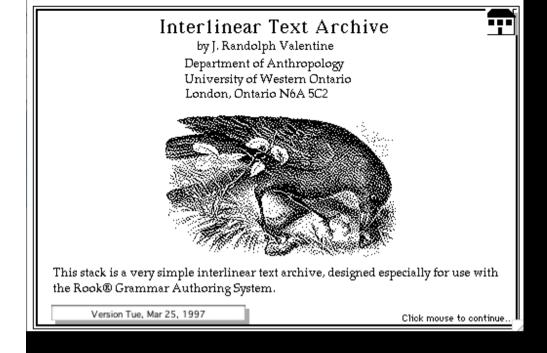
Both verbs are in the same form (Past Potential), but /yagi-/negates only the first, so that the second verb is positive (but still potential) and represents the antithesis of the prohibition. Postposition /-maga:/ is common with such contexts; see §12.21.

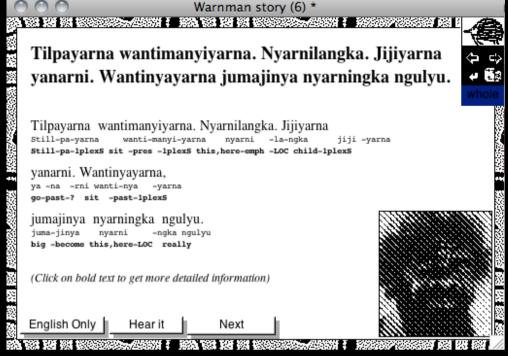
There are also some special uses of the "Future Negative" form with /yagi/ which are best dealt with in other sections; for negative purposive clause see 89.2.3 and discussion §16.5, for negated clauses in hypothetical (as opposed to counterfactual) conditionals see ex. in 62.1.2/3 and discussion §16.7, and for gerundial 'while not VERB-ing' in sense 'before VERB' see ex. 47.19.3 and discussion §16.6.

Most textual exx. of /wa:='ri/ have a co-occurring inflected verb, the overall construction being Past (Actual) Negative or Present Negative (Chapter 8). The Past Negatives in NMET are 3.2.5, 5.15.4/5, 7.6.2/3, 14.18.3, 15.11.2, 17.13.5, 19.9.2, 21.10.2, 28.10.4, 41.7.3/4, 47.1.5, 47.4.5/6, 47.5.4 (two), 47.6.2/3, 47.7.3/4 (three), 47.9.1, 47.11.2/3, 47.13.2, 47.17.6, 47.22.3/7, 51.1.3, 69.5.7, 69.14.1/3, 70.10.2, 71.6.3, 73.4.1, 73.6.1 (if transcription correct), 100.4.1 (two), 113.3.3, 113.7.2, 117.1.2, 117.6.5, 119.4.4, 120.3.2, 120.5.1/3/4, 157.15.1, 161.5.2, 161.26.1, 162.17.1, 162.18.4, 162.24.6, 163.2.2/3, 166.10.2/4, 166.22.2 (two), 167.1.2, 170.1.1. There is, in addition, an intriguing example of Past (Actual) Negative where one might have expected a Past Potential Negative for semantic reasons, suggesting that in the past tense the Potential form is more marked than its counterpart (Future) is in the nonpast system: 10.2.3 ('he father could not see'); contrast 'inability' exx. of /yagi/, top of this page.

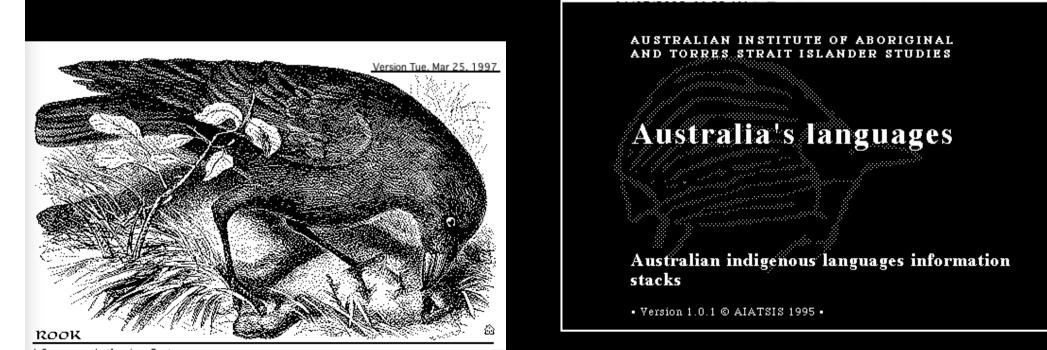


Brandenstein, Carl Georg von. 1970. *Narratives from the North-West of Western Australia in the Ngarluma and Jindjiparndi languages.* (Volumes1–3 + audio-disc.) Canberra: Australian Institute of Aboriginal Studies.





First version: 1990



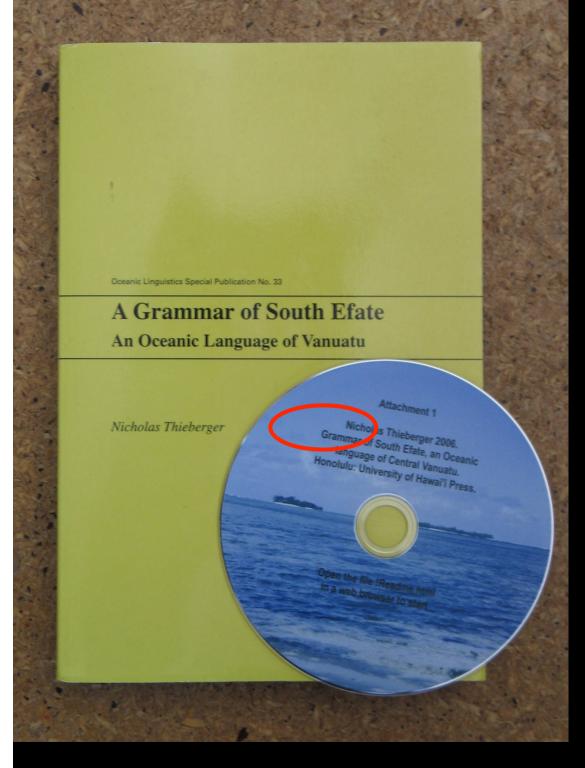


Fieldwork in Eratap and Erakor villages, Vanuatu 1996–

Grammar based in a corpus

Examples cited to original sources

All material archived



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# How to create a citable set of textual material linked to primary media?

## Time-aligned transcripts

Transcriber: http://sourceforge.net/projects/trans/

Elan: http://www.mpi.nl/tools/elan.html

Transana, Exmaralda, Anvil ...



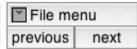
## Audiamus

Created for interacting with field recordings via their transcripts

Version 1 – HyperCard – 1999,

Version 2 – RunTime Revolution 2002

http://bit.ly/audiamus



Kalsarap.mov

< makelist | go to playlist |



126 Litrapog ne, ipi naflak ni apu. Litrapog ne i= pi naflak ni apu name 133 ne i= pi naflak ni apu name this 3sgRS= be clan of grandfather Gar 142 be clan of grandfather Gar apu rato pusrek ser tete nrak, gar apu 149 pusrek ser tete nrak. gar apu ra= to puserek ser tete nrak 3pl grandfather 357 3sgRS= come ilakor mai saof apu i= lakor mai saof apu 3sgRS= approximate com 362 apu i= lakor mai saof apu 3sgRS= approximate come visit grandfather when we v 575 him herbal medicine. Ser nawes napu, na, a ga preg nalkis ikano nrogtiawi. ser 585 nalkis ikano nrogtiawi, ser nawes napu a ga preg nalkis i kano nrogtiawi e

View concordance

apu

Find

Make text bigger

Search just this file Find part

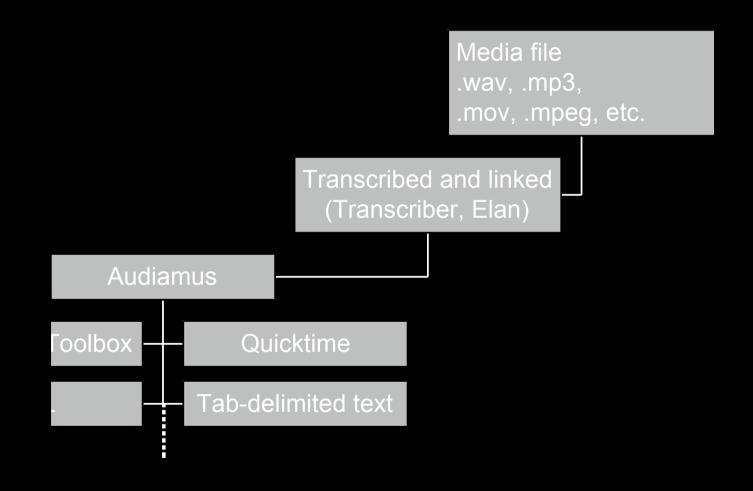
Line number 1 Fast Speed Volume

Total of 25 hours 42 minutes in 51 files

## Audiamus

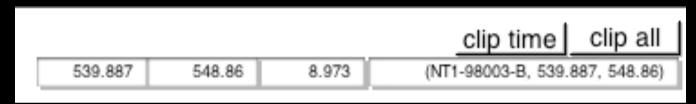
- Analysis of a linguistic media corpus via text
- Building a citable corpus of media via linked transcripts
- A working tool (now) that gives access to a media corpus via a time-aligned textual index
- Takes the output of Transcriber or Elan as input
- Built in proprietary software, Runtime Revolution (rapid prototyping)
- Win/Mac (&Linux) standalone versions

# **Audiamus workflow**



## Audiamus

## Ability to cite primary data



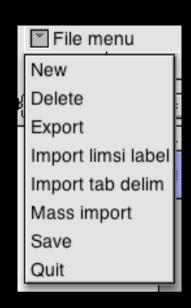
```
Komam
                                                                 ko=to
                                       u=mur-i-n
            u=weswes
                         u=maos
                                                            na
                                       1p:RS=want-TS-3sg say
1p.ex
            1p:RS=work
                         1p:RS=tired
                                                                 1p.exIRR=stay
       ko=fo
                            pei maos.
W1
       1p.exIRR=PSP:IR
                            first tired
good
We worked and we got tired, if we wanted to stay healthy, we would (have to) get tired
      (NT1-98003-B, 539.887, 548.86)
```

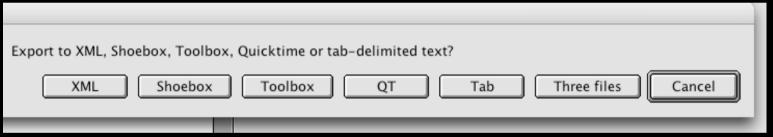
## Audiamus

## **Import**

Tab-delimited text

Limsi label (Transcriber)





## **Export**

Tab-delimited text

**XML** 

Toolbox

Quicktime

#### Outputs from *Audiamus*

#### **Toolbox**

\\_sh v3.0 498 SE Text

\aud 98009b 22.94 28.64 \tx (T) A, kagaag traus nmatu iskei,

\aud 98009b 29.16 37.82 \tx go nanwei iskei, rato. Me ratik ki tesa.

\aud 98009b 37.96 47.06 \tx Me ipiatlak teesa iskei ipaakor faat elau.

### Outputs from Audiamus

#### Quicktime

{QTtext}{font:Geneva}{plain}{size:12}{textColor: 65535, 65535, 65535}{backColor: 0, 0, 0}{justify:center}{timeScale:1000}{width:160}{height:48}{timeStamps:absolute} {language:0}{textEncoding:0}

[00:00:00.]

{SPEAKER = HT}lpiatlak nmatu iskei,

[00:00:02.920]

nmatu tiawi iskei ipiatlak tesa inru rana rato panpan. [....]

[00:00:08.120]

I will then go and cut bamboo. I cut bamboo and bring it, I get it ready

A ler mai, ka fo pei m\$asel roat, a m\$asel roat inom



## **Benefits of Audiamus**

Local control of data

Immediate access (no web connection)

Ability to interact with and improve the transcript

Ability to 'clip' citation forms

Imports and exports several formats

Find and concordance function

Creation of 'playlists' organised by theme rather than by media

Freely distributed under GNU General Public License

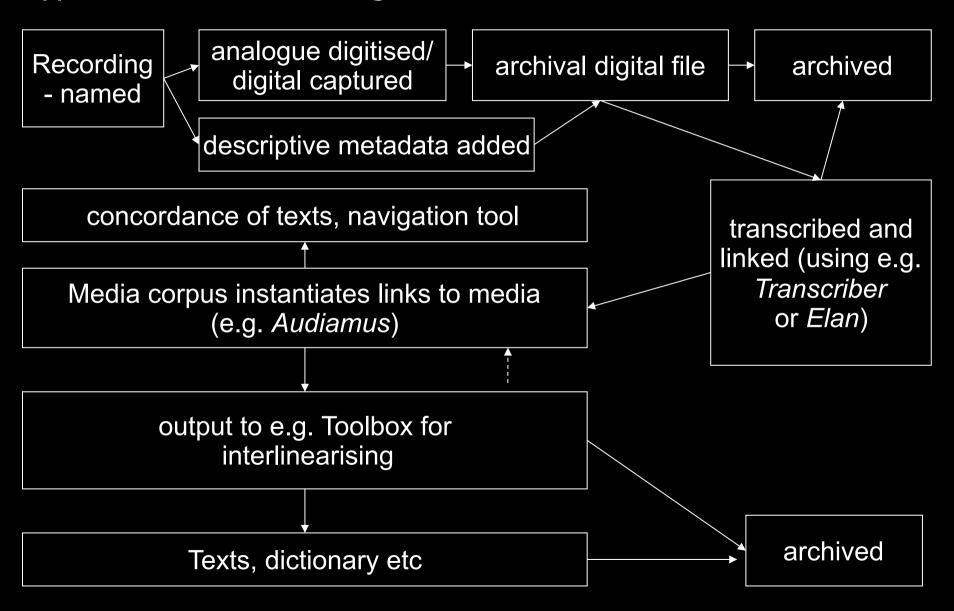
## **Problems of Audiamus**

Data has to be imported, ideally it would be in XML and read by an Audiamus-like browser

Audiamus implies a workflow and so version control is a problem

Proprietary software means development can only be done by buying Runtime Revolution

## Typical workflow resulting in well-formed data



# Citability

Citation of the spoken word requires a persistent form of the cited form

Persistence of name and location is provided by a digital archive

How will WOLP maintain persistent identification of texts?

How will WOLP license the use of texts?

# Cataloging texts

DOI? Handle.net?

What repository to use?

Example of PARADISEC

149 collections

6,517 items

43,301 files

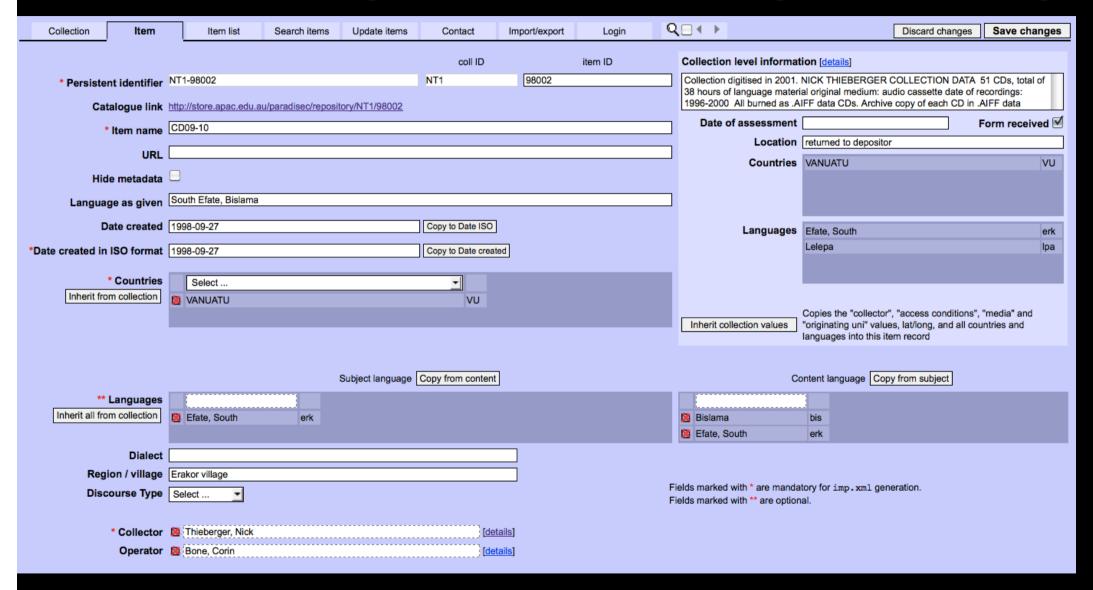
4.67 TB

2653 hours of audio data

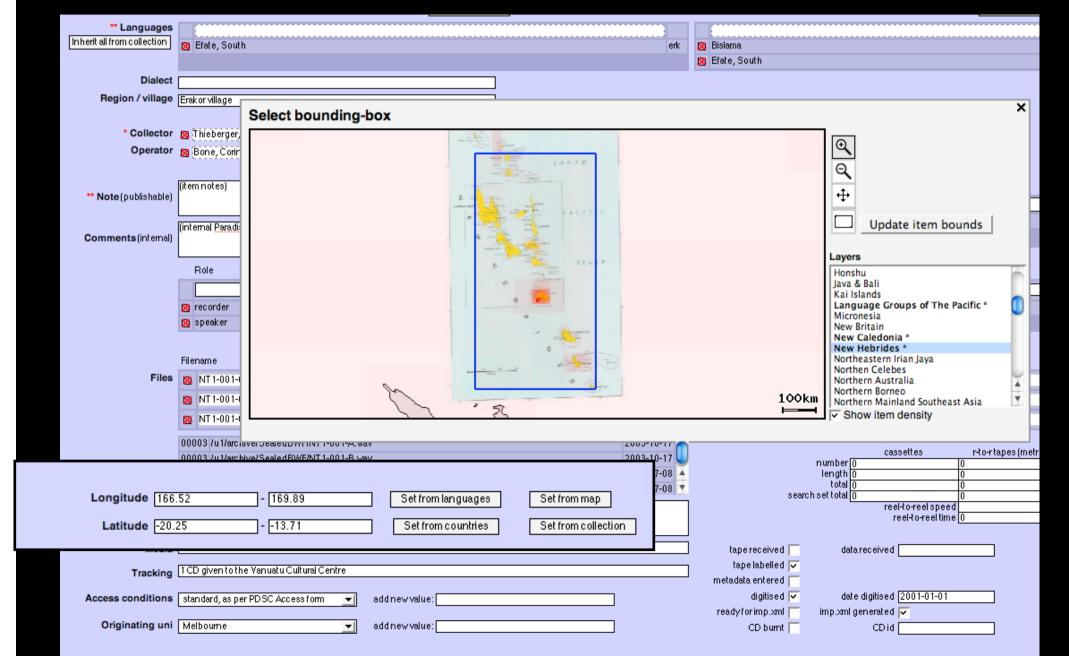
Data representing 648 languages from 60 countries



# Online catalogue: paradisec.org.au/catalog



# Online catalogue: paradisec.org.au/catalog





#### **OLAC Record**

## Open Archives Initiative

oai:paradisec.org.au:NT1-98002

#### Metadata

Title: CD09-10

Access Rights: standard, as per PDSC Access form

Bibliographic Citation: Thieberger, Nick (recorder), Kalman, Petro (speaker), Kalopog, Kali (speaker), Tenene, Waia (speaker), Thieberger,

Nick (depositor) 1998; CD09-10, WAV/MP3/XML/JPG http://paradisec.org.au/repository/NT1/98002 2010-01-01

Contributor (depositor): Thieberger, Nick

Contributor (recorder): Thieberger, Nick

Contributor (speaker): Kalman, Petro

Kalopog, Kali

Tenene, Waia

Coverage (Box): northlimit=-17.7235; southlimit=-17.8235; westlimit=168.217; eastlimit=168.317

Coverage (ISO3166): VU

Date (W3CDTF): 1998-09-27

Date Created (W3CDTF): 1998-09-27

Description: There are time-aligned transcripts of this item. . Language as given: South Efate, Bislama

Format: Digitised: yes; Media: audiocassette;

Identifier: NT1-98002

Identifier (URI): http://paradisec.org.au/repository/NT1/98002

Language: Bislama

South Efate

Language (ISO639): bis

<u>erk</u>

Rights: standard, as per PDSC Access form

Subject: South Efate language

Subject (ISO639): erk

Subject (OLAC): language\_documentation

## **Open Language Archives Community (OLAC)**

## http://www.language-archives.org/language/erk



#### Resources in and about the South Efate language

ISO 639-3: erk

The combined catalog of all OLAC participants contains the following resources that are relevant to this language:

- Primary texts
- · Lexical resources
- Language descriptions
- Other resources about the language
- · Other resources in the language

Other known names and dialect names: Efate, South, Erakor, Fate, Southern Efate

#### Primary texts

- Fila Story: A Oa Erua; B&C: Lamenu (cont.); Baki; Pango-Erakor-Eratap. Capell, Arthur (recorder). n.d. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au;AC1-203
- Oriya, Lowolwol. Capell, Arthur (researcher). n.d. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au;AC1-411
- 3. Prodigal Son in Efate Dialects. Capell, Arthur (recorder). 1900. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au;AC1-416
- Texts in languages from Efate. Capell, Arthur. 1999. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au;AC2-VEFAT403
- The Prodigal Son Story in Samoa Point/Havannah Harbour. Capell, Arthur (compiler); Newton, Peter (depositor); Capell, Arthur (researcher). 1999. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). <a href="mailto:oai:paradisec.org.au:AC2-VEFAT404">oai:paradisec.org.au:AC2-VEFAT404</a>
- The Gospel According to Luke in the language of Efate. Newton, Peter (depositor); Capell, Arthur (researcher). 1877. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au:AC2-VEFAT501
- Catechism in the language of Efate. Newton, Peter (depositor); Capell, Arthur (researcher). 1999. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au:AC2-VEFAT502
- Notes on Nguna-Efate dialects. Graham Miller, J. 1999. Pacific And Regional Archive for Digital Sources in Endangered Cultures (PARADISEC). oai:paradisec.org.au:AC2-VNEFAT104
- 9 South Ffate Language Primer, Newton, Peter (depositor): Capell, Arthur (researcher), 1999, Pacific And Regional Archive for Digital

# Data access (paradisec.org.au/repository)



PARADISEC

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Welcome to the PARADISEC repository
Please log in to identify yourse

Username:

Password:

Log in

#### **PARADISEC repository**

#### Repository collections

Here's a listing of the collections viewable by your username nxt563. Refer to the repository website glossary for an explanation of terms and abbreviations repository listings.

Collection	Items	Files	Size	Duration	Catalog Metadata
AB1	11 items	44 files	29.38GB	14:47:59.60	metadata
AC1	58 items	307 files	64.81GB	33:15:06.00	metadata
AC2	1,025 items	12,567 files	18.06GB	00:00:00.00	metadata
AM2	14 items	56 files	36.65GB	19:08:27.40	metadata
AM3	13 items	46 files	32.41GB	16:19:28.90	metadata
AM4	1 items	2 files	1.50GB	00:45:17.99	metadata
AP2	4 items	14 files	6.00GB	03:01:18.90	metadata
AR1	13 items	42 files	23.00GB	14:04:24.40	metadata
AR2	3 items	8 files	6.09GB	05:58:15.00	metadata
AS1	6 items	20 files	10.81GB	05:26:47.90	metadata
BE1	1 items	14 files	2.15MB	00:00:00.00	metadata
BH1	21 items	42 files	3.75GB	03:40:37.50	metadata
BM1	2 items	28 files	3.02GB	04:40:35.40	metadata
BP1	2 items	12 files	6.01GB	03:01:29.80	metadata
BP2	9 items	32 files	15.73GB	07:55:18.80	metadata
BP3	3 items	6 files	1.65GB	00:49:47.11	metadata
CB3	5 items	16 files	5.68GB	02:51:47.30	metadata
CH1	42 items	202 files	23.28GB	14:54:39.10	metadata

# Data access (paradisec.org.au/repository)

### **PARADISEC** repository

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collections » NT1 » 98002

Item NT1/98002

Here's a listing of the files of item NT1/98002 viewable by your username nxt563. Refer to the repository website glossary for an explanation of terms and abbreviations used in the repository listings.

File	Size	Duration	Class	Status	Metadata	Catalog Metadata
NT1-98002-98002A.mp3	37.39MB	00:40:50.19	audio	online	metadata	metadata
NT1-98002-98002A.wav	413.37MB	00:40:55.74	audio	online	metadata	metadata
NT1-98002-98002B.mp3	37.35MB	00:40:47.97	audio	online	metadata	metadata
NT1-98002-98002B.wav	413.00MB	00:40:53.52	audio	online	metadata	metadata
NT1-98002-98002az.xml	39.74KB		xml	online	metadata	metadata
NT1-98002-98002bz.xml	46.42KB		xml	online	metadata	metadata
NT1-98002-A.tab	23.65KB		unknown	online	metadata	metadata
NT1-98002-A.xml	39.73KB		xml	online	metadata	metadata
NT1-98002-A001.jpg	1.60MB		image	online	metadata	metadata
NT1-98002-A002.jpg	1.65MB		image	online	metadata	metadata
NT1-98002-A003.jpg	1.64MB		image	online	metadata	metadata
NT1-98002-A004.jpg	1.68MB		image	online	metadata	metadata
NT1-98002-A005.jpg	1.68MB		image	online	metadata	metadata
NT1-98002-A006.jpg	1.66MB		image	online	metadata	metadata

### Reuse

# Recording >Transcript

Preg nafkal skot namer nig Emlakul.

NT1-98002-A 316.43 320.317

### Reuse

# Recording >Transcript > Interlinear

```
\id 061:005
```

\aud NT1-98002-A 316.43 320.317

```
\tx Preg nafkal skot namer nig Emlakul.
```

\mr preg nafkal skot namer nig Emlakul

\mg make war with people of p.name

\fg Fight with the people from Malakula.

South Efate Lexicon English - South Efate Categorie

This dictionary is a work in progress. This edition can be cited as: Nicholas Thieberger (2007-01-16) Dictionary of South Efate (http://paradisec.org.au/SELexicon/index-english/main.htm). This work is the result of a collaborative project between speakers of South Efate, mainly in Erakor village, Efate, Vanuatu, and Nicholas Thieberger who has written a grammar of the language. It was produced using Shoebox and LexiquePro.

#### English - South Efate

abcdefghijklmnopqrstuvwy

#### A - a

abalone kaiaraskei abort kispun above elag absent lalu puel accompany ptaan plak gien act polkirkir active adam's apple npatnkafik add skar admire lewi adopt pas adult pafpof adze limur kram pel man ni aeroplane nmalfa after me ntakun afterbirth? nal ni teesa afternoon kotfan again mer against ktekit putkau tak age-mate agree trok aim, point with finger tum

something.

nakpes n. tree sp., young leaves eaten together with ntall fruit. Also use the wood to make fish traps by planting sticks vertically in the water to create a fence.

nakrik n. Fig tree. Ficus virgata.

nakrok n. vine sp. Strong vine.



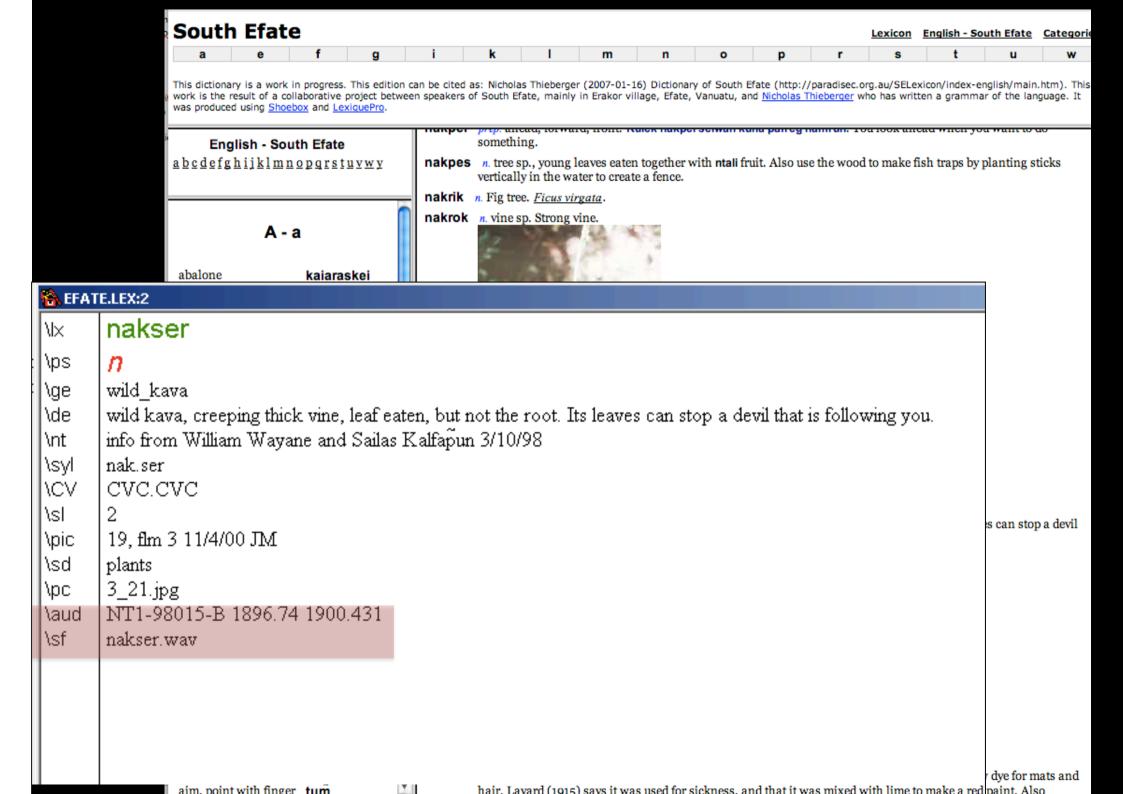
nakser n. wild kava, creeping thick vine, leaf eaten, but not the root. Its leaves can stop a devil

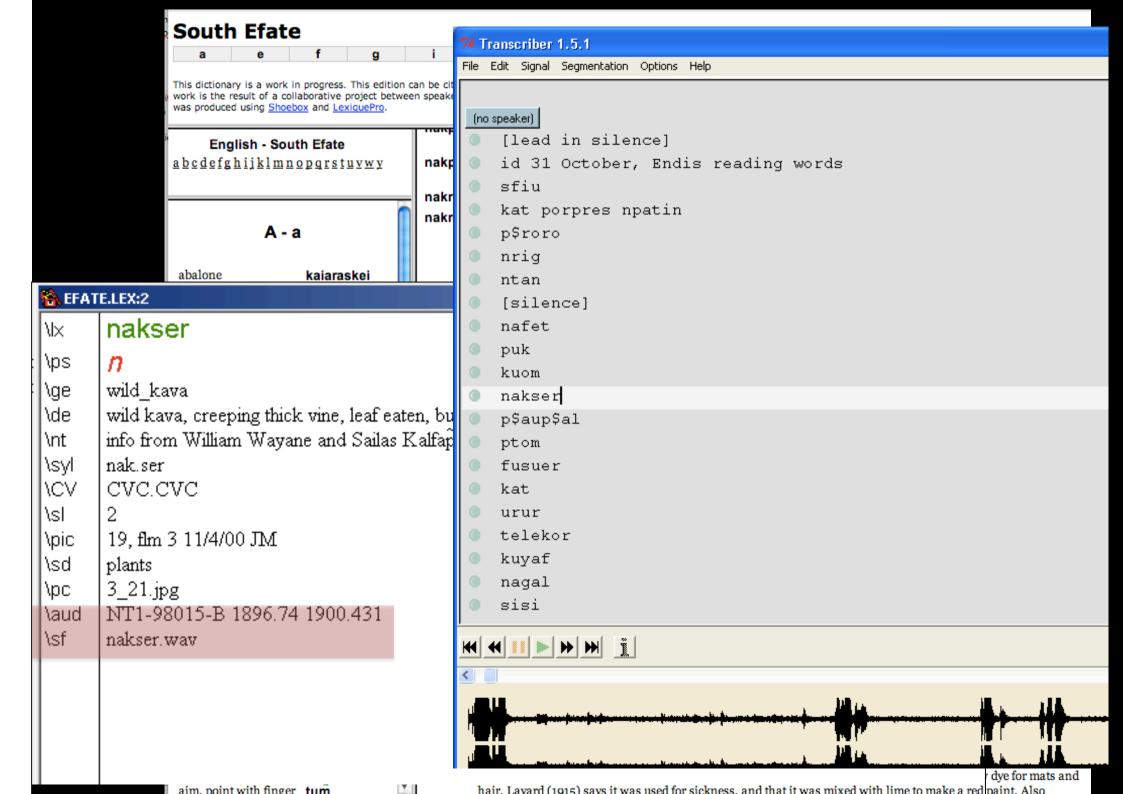
that is following you.



nakte pron?. mine (1st person singular possessive).

hair. Layard (1915) says it was used for sickness, and that it was mixed with lime to make a red paint. Also





South Efate Lexicon English										English - So	outh Efa				
а	е	f	g	i	k	I	m	n	0	р	r	S	t	u	w

### **English - South Efate**

abcdefghijklmnopqrstuvwy

### A – a

abalone	kaiaraskei
abort	kispun
above	elag
absent	puel
	lalu
accompany	plak
	ptaan
act	gien
active	polkirkir
adamic appla	nnatnkafik



**nafinaotan** *n.* chiefliness, also the chiefly line. See: **naot**.

nafinrin Variant: nafinr. n\_inposs. rib.

**nafis** *n.* Fijian asparagus, navisa (Bislama), small sugar cane.

**nafit** *n.* slave. This could be someone who has had their land taken away as punishment and is sent away from their own village. See: **manmun**. Usage: archaic.

nafitiawian n. old age. See: tiawi.

nafkal n. battle, war. Selwan inlaun rupakruk rutae preg nafkal. They can come together for big battles. Preg nafkal skot namer nig Emlakul

**nafkou** n. messenger. **Pafi nafkou pak Eton.** You be the messenger to Eton.

naflak n. clan. Note: you are in the same clan as your mother. You have to marry someone from another clan. Some clans no longer exist because of no children in the line. Some of the clans and their characteristics are: kram a shell which sits on the beach in good time but buries itself in the sand in bad times; nmal a wild yam. The shoots don't follow the rope you put to train it.

namkanr a plant which grows quickly, takes firm hold, but dies soon after; ntal taro, skin is a

Online dictionary with sound and image links, constructed from well-formed underlying data

#### Waya Tenene, Story of Erakor and Mare



People from Mare came here in the time of the Colonial Government.

The French government sent them as police.

They came to be police on Efate.

On the French side, the French government had a fight in Malakula and it sent them to Malakula.

To fight the people of Malakula.

Those from Mare who came, those from New Caledonia who came because the French government called them.

The police came here.

Teni Emar nen kin rumai pak san tetuei mal ni kolonial kafman.

Franis kafman isent kir rumai reki na polis.

Rumai pi polis ni Efat.

Nanre ni Franis, Franis kafman go ipi atlak nafkal nen ito Emlakul go itpekir pak Emlakul.

Preg nafkal skot namer nig Emlakul.

Teni Emar nen kin rumai, teni Caledoni nen rumai pa esa nlaken Franis kafman isosor nafet.

Polis rumai pak esa.

Me, selwan ag kupi emae, tiawi itraus traus traus traus, natrauswen ga itaos nlag. Itrausi pan kaipa. Me komam uta laap kin uto mau, a? Malen umat, inom.

But when you are far away the old man can talk and talk and talk, his story is like the wind. He tells it and it is gone. But there aren't many of us left. When we die, it will be finished.

†Kalfap̃un Mailei, 1998, Erakor Village, Efate, Vanuatu (NT1-98009-A, 1920.92, 1930.76)



# **ITunes installation**





Erakor school, Efate, Vanuatu

# Example of reuse of interlinear glossed text (IGT)

Ipitlak nmatu inru, rato elag Epuf.

```
i= pitlak nmatu i= nru ra= to elag Epuf
3sRS= have woman 3sRS= two 3d.exRS= stay above p.name
```

There are two women, they lived up at Bufa.

NT1-98004-A 210.34, 212.2

# Interlinearising tools

TRANSC(ript) for CPM

IT for DOS and Macintosh in the 1980s

Shoebox and its successor Toolbox

ITE (Jacobson n.d.)

**Fieldworks** 

TypeCraft

For a detailed listing of annotation tools see:

http://annotation.exmaralda.org/index.php/Linguistic\_ Annotation











Accueil > Accueil Archive







### Le contenu de l'archive (mode d'emploi / rechercher)

Typologie & universaux linguistiques

L'archive du LACITO ("Archivage") donne accès à des exemples de parole spontanée, prioritairement dans des langues « rares », enregistrés dans leur contexte social et transcrits en ... • Lire la suite

Le Lacito

L'archive publique contient plus de 200 documents en 45 langues, annotés par une vingtaine de chercheurs (liste non exhaustive car ne comprenant pas les données en cours de numérisation).

La recherche

Afrique

Langues et pays

Balkans Caucase

**Publications** 

Océanie

Archives orales

Népal et Asie

Projets associés

Moyen-Orient et Amérique du Sud

#### Les membres

Rechercher Sur le WEB du Lacito





#### Corpus de langues d'Afrique (présentation) Famille Pays Chercheur(s) Archive Langue Marie-Françoise Rombi grand-comorien Bantu Comores Margaret Dunham ihanzu Bantu Tanzanie Bantu Margaret Dunham langi Tanzanie **(()** Marie-Françoise Rombi mahorais Bantu Comores **(()** Margaret Dunham mbugwe Bantu Tanzanie Bantu Margaret Dunham nyilamba Tanzanie Véronique de Colombel ouldémé Tchadique Cameroun



# AILLA text / media formats

```
ZOH001R016I001.pdf (page 1 of 32)
                                 A (2)
                            ji 'um kukpktuktamawm
00:00:00
                                        ZOH001R016I001.txt
      \id C:\TEXTS\ZOH001R016.TXT
                                      28/oct/04
       \ref ZOH001R016 000
       \_no 00001
       \zoq 7um Kukp@ktuktamawa*m
       \fts Ya no se Dividan
       \fte Now let us not divide
       \com narrado por Germa*n Sa*nchez Morales
       \com 13/7/95, en Catemaco, Veracruz, Me*xico
       \com grabado por GSM, transcrito por Heidi Anna Johnson,
       \com traducido al espan~ol por GSM.
       \com analisado y traducido al ingles por HAJ.
       \com narrated by Germa*n Sa*nchez Morales
      \com 7/13/95, in Catemaco, Veracruz, Mexico
       \com recorded by GSM, transcribed by Heidi Anna Johnson,
       \com translated into Spanish by GSM,
       \com analyzed and translated into English by HAJ.
                       Ortografi*a
       \com
                                               Orthography
       \com
                  pau*sula glotal
                                               glottal stop
       \com 7
       \com @
                  vocal medio central
                                               mid central vowel
                  nasal velar
                                               velar nasal
       \com nh
                                       (ng)
                   africativo alveolar (ts)
                                               alveolar affricate
       \com tz
       \com x
                   fricativo palatal
                                       (sh)
                                               palatal fricative
                  glottal fricative
       \com j
                                       (h)
       /com ¾
                  estre*s
                                               stress
       \ref ZOH001R016 001
       \_no 00002
       \tx 7awin
                      d@kka 7um
                                         yaktoytamm@
       \mb 7awin7
                      d@kkay 7u
                                    -7@m yak -toy -tam -w@
                                                                de lo ke
                            NEGimpv-2E CAUS-doler-1/2PL-nIMPV de lo que 1>2
       \sql hermano/a NPL
                             NEGimpv-2E CAUS-hurt -1/2PL-nIMPV of lo that 1>2
       \eal sibling
```





### Patjarr Kapi Piti Tjukurrpa

From: NG MEDIA

Oral Histories & Bush Trips

Location: Patjarr Rock Hole, WA A combination of tjurkurrpa and oral history, Pulpuru Davies tells the story of the Patjarr Rockhole.

Duration: 14.26 Made in 2009

# Why not use youtube?

Text / media link not provided for

No commitment to longevity

No path from linguistic fieldwork tools (especially interlinear glossed text)

Lack of control

Ideally linguistic institutions would be curators IP issues not in control of the depositor

## Text and media

### http://eopas.erc.unimelb.edu.au:8080/exist/eopas3/browse.xq



- Display Options

☐ Interlinear ☑ Translation

- Concordance

Downloads: Original | Eopas | CMML | Toolbox | Transcriber | Elan | PDF | RTF

#### Wit Go Kusu D

2006-11-27,	Tokelau, erk, VU,
date	2006-11-27
creator	Tokelau
contributo	r recorder: Nick Thieberger
coverage	VU <u>?</u>
subject	( <u>erk</u> )
language	erk ?
type	linguistic-type: Primary Text
	discourse-type: Narrative
mediafile	http://maenad.itee.uq.edu.au/exist/mediafiles/annodex/21116960.anx

<b>s</b> 1	+	Amurin gag puserek, Nick, kafo gag pusereki kusu go wit.  I want to tell you, Nick, I'll tell you about the rat and the octopus.
<b>s</b> 2	+	Naliati iskei, elau imat. One day, it was low tide.
	_	

- s3 + Elau imat, itrau mat pe mat pe mat me.
  It was low tide, a really low tide.
- bs4 \* Ipiatlak nskau ienkot naur iskei There was a reef around an island.
- >s5 \* Naur ses iskei ito elau me elau imat
  This island was in the sea, but the tide was out.
- s6 \* Malen elau imat kerkrai, When the tide was very low,
- ps7 mat top, go nskau igar userek very low, the reef was dry right around the island
- pan tkal naur ses.
  right up to the small island.
- s9 \* Me kusu, kusu iskei, ito Efat But the rat, this rat, it was from Efate.

### Text and media

### http://eopas.erc.unimelb.edu.au:8080/exist/eopas3/browse.xg



- Display Options

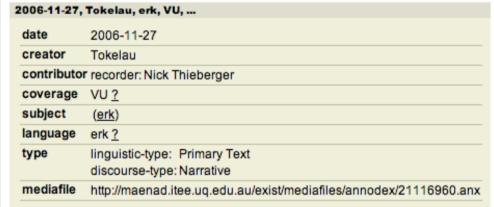
✓ Interlinear ✓ Translation

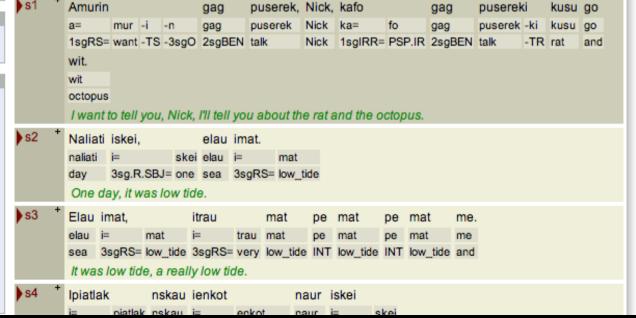
- Concordance

Downloads: Original | Eopas | CMML | Toolbox | Transcriber | Elan | PDF | RTF

#### Wit Go Kusu D

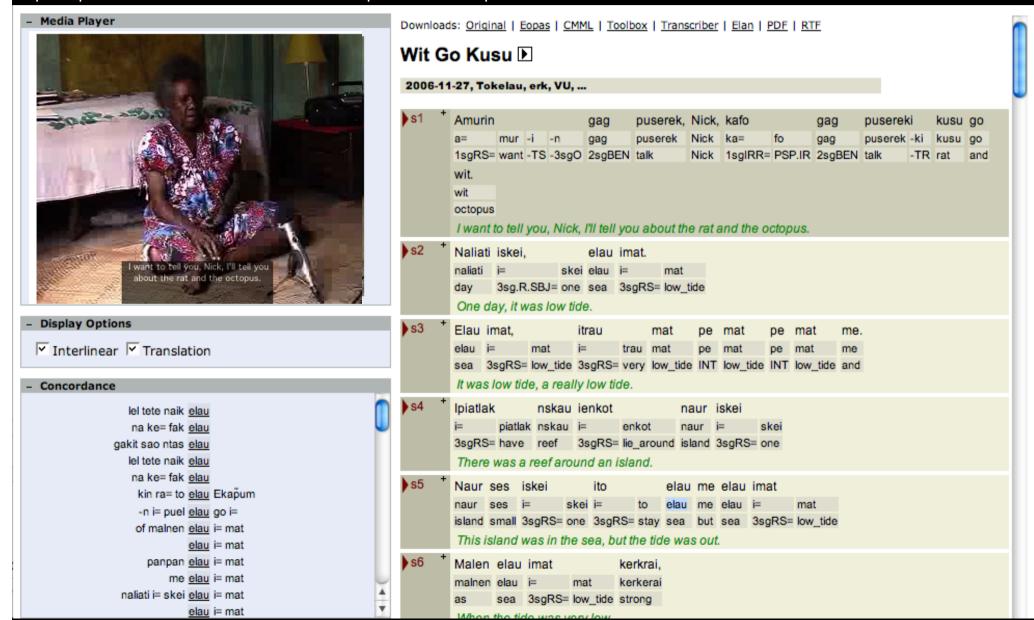
s1





## Text and media

http://eopas.erc.unimelb.edu.au:8080/exist/eopas3/browse.xq



### Fragment of IGT encoded in XML

```
<text xsi:type="orthographic">amurin</text>
<morphemes>
 <morpheme>
       <text xsi:type="morpheme">a=</text>
      <text xsi:type="gloss">1sgRS=</text>
 </morpheme>
 <morpheme>
       <text xsi:type="morpheme">mur</text>
       <text xsi:type="gloss">want</text>
 </morpheme>
 <morpheme>
       <text xsi:type="morpheme">-i</text>
       <text xsi:type="gloss">-TS</text>
 </morpheme>
 <morpheme>
      <text xsi:type="morpheme">-n</text>
       <text xsi:type="gloss">-3sgO</text>
 </morpheme>
</morphemes>
```

# We need a standard schema for IGT

No schema (standard representation) for IGT

So ODIN relies on heuristics to locate IGT on the web (as the basis for making typological claims)

http://www.csufresno.edu/odin/

Inferring the nature of IGT from contextual clues

### Eopas sample converted from Toolbox XML

```
<database>
<itmgroup>
<itm>105</itm>
<idqroup>
      <id>001</id>
      <aud>200518.aud 20.507 27.202</aud>
      <txgroup>
           <tx>Amurin</tx>
           <mr>a=</mr>
           <mg>1sgRS=</mg>
           <mr>mur</mr>
      <mg>want</mg>
           <mr>-i</mr>
           <mg>-TS</mg>
           <mr>-n</mr>
           <mg>-3sqO</mg>
      </txgroup>
      <fg>I want to tell you a story.</fg>
</idgroup>
```

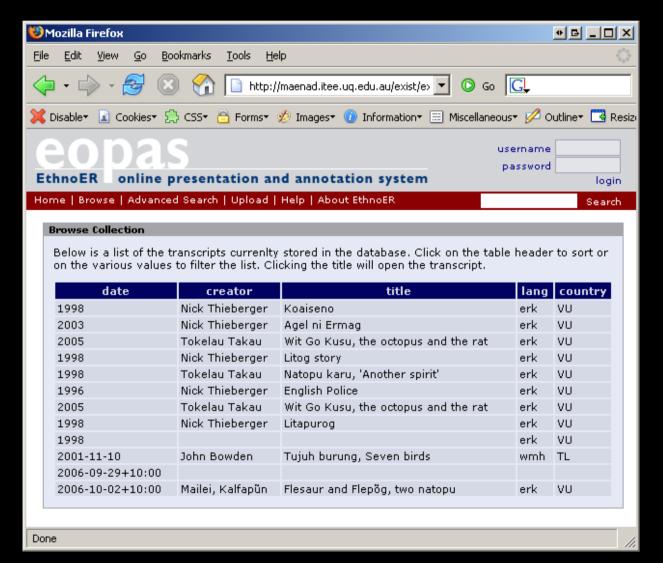
```
<Interlinear-text>
<phrases>
    <phrase id="s1" startTime="20.507" endTime="27.202">
    <text xsi:type="translation">| want to tell you a story</text>
    <text xsi:type="orthographic">Amurin na kagag</text>
    <words>
        <word>
           <text xsi:type="orthographic">amurin</text>
        <morphemes>
        <morpheme>
           <text xsi:type="morpheme">a=</text>
           <text xsi:type="gloss">1sqRS=</text>
        </morpheme>
        <morpheme>
           <text xsi:type="morpheme">mur</text>
           <text xsi:type="gloss">want</text>
        </morpheme>
        <morpheme>
           <text xsi:type="morpheme">-i</text>
           <text xsi:type="gloss">-TS</text>
        </morpheme>
        <morpheme>
        <text xsi:type="morpheme">-n</text>
        <text xsi:type="gloss">-3sgO</text>
        </morpheme>
    </morphemes>
    </word>
```

# Uploading...

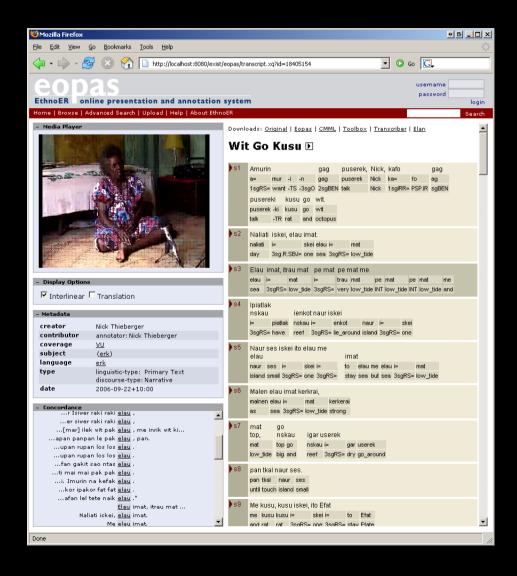
http://localhost:8080	D/exist/eopas/uploader.xo	q - Microsoft Internet Explor	er	×
File Edit View Favo	orites Tools Help		<u> </u>	7
Back ▼     ▼    ▼    ▼    ▼    ▼    ▼    ▼	👔 🔥 🔑 Search 🛚 🏡 Fav	vorites 🥝 🔯 🔻 🦫 🕡 🕶	·	
Address e http://localho	st:8080/exist/eopas/uploader.:	xq	▼ 🔁 Go	
Anna	C			À
COPa				
	e presentation and a	-	Nick Thieberger   loqout	
Step 1: Locate and va		. Edinoek		
	· ·	d, locate your transcript file	as well as the	
corresponding media		a, locate your transcript life	, as well as tile	
Type Ti	ranscript File	Media File		
Toolbox 🔽	Browse	Brows	e	
Validate				
	<i>fgomakou.xml</i> is valid (ag media file after completin		hemas/toolbox.xsd) and can	
be aploaded with the	media me arter completii	ig Step 2		
Step 2: Metadata				
We've filled in a few	of these fields automatica	lly. You might like to revise	or add more information:	
Title:	is it a shrimp or what?			
Creator:	Nick Thieberger			
Contributer:	speaker	Speaker Name		
Coverage:	Vanuatu (VU) ▼	] <u>?</u>		
Subject:	Efate, South (erk)			
Language:	Efate, South (erk)	] 2		
Date:	2006-09-21+10:00			
Linguistic Type:	Primary Text			
Discourse Type:	Narrative	Ī		
Preview 1				
Freview				
				Ŧ
<b>E</b>			Supplied to the supplied to th	11.

http://eopas.esrc.unimelb.edu.au:8080/exist/eopas3/transcript/15582013

# Browsing...

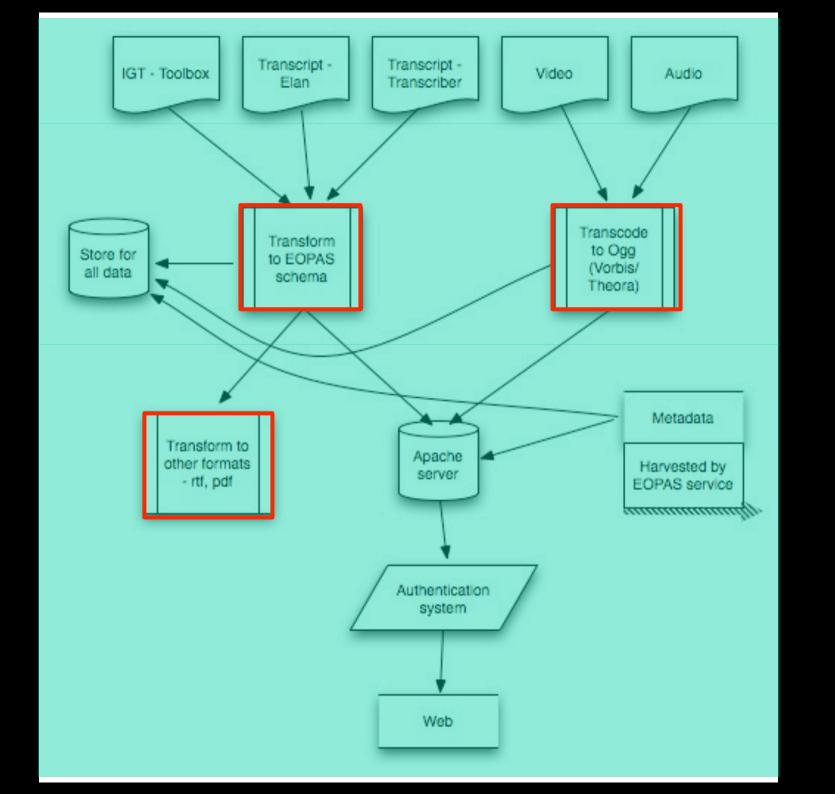


# Viewing and concordancing...



# EOPAS - http://bit.ly/eopas2010

login functionality: authenticated access to upload/edit/download upload functionality of video/audio transcoding video/audio to Ogg Vorbis and Ogg Theora formats for delivery storage of video/audio download video/audio upload functionality of text (ELAN, Transcriber, IGT from Toolbox) handling of unicode and other i18n characters validation of text transcoding text storage of text download text in different formats (ELAN, pdf, rtf) aligned display of text with video/audio search citability on the level of syllables linked to video/audio editing (but not authoring!) of text open source publication of system creation of project in Sourceforge



```
<!DOCTYPE HTML> <html lang="en">
        <head> <meta http-equiv="Content-Type"content="text/html;
        charset=UTF-8"> </head>
        <body> <div id="main">
        <video id="WitGoKusu.mp4"src="WitGoKusu.ogv" autobuffer
        controls> </video>
        <div>  <span class="ident"> </span> <span
        class="text erk">
```

```
<a href="javascript:jumpToTimeoffset(4.877,10.963);"> Amurin gag
puserek, Nick, kafo gag pusereki kusu go wit.<i> I want to tell you,
Nick, I'll tell you about the rat and the octopus. </i></a>
</span>   <span class="ident"> </span>
<span class="text erk">
```

[...]

### Confluence

Several projects are now aiming to produce textual material in small languages, e.g.,

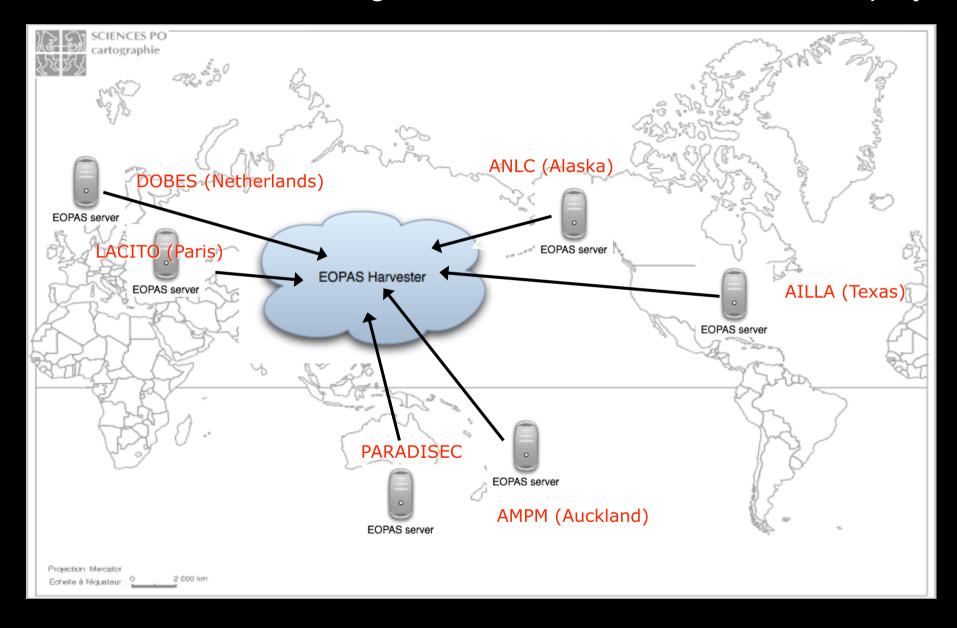
WOLP & Firebird

**PARADISEC** 

**AILLA** 

Potentially each archive and funding project will need to present texts and media

### Central service harvesting text collections for search and display



### Conclusion

Need for standards for encoding textual material as interlinear text linked to media

Ideally building these standards into a normal linguistic workflow

Creating multiple outputs from a single research effort

Exciting possibilities for return of material and for representation of small languages

### How do we catch the wind?

Me, selwan ag kupi emae, tiawi itraus traus traus traus, natrauswen ga itaos nlag. Itrausi pan kaipa. Me komam uta laap kin uto mau, a? Malen umat, inom.

But when you are far away the old man can talk and talk and talk, his story is like the wind. He tells it and it is gone. But there aren't many of us left. When we die, it will be finished.

†Kalfapun Mailei, 1998, Erakor Village, Efate, Vanuatu