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# An inclusive pronoun as intersubjective evidential

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# Inclusive pronouns as intersubjective evidentials: Shared access vs. primary access to knowledge

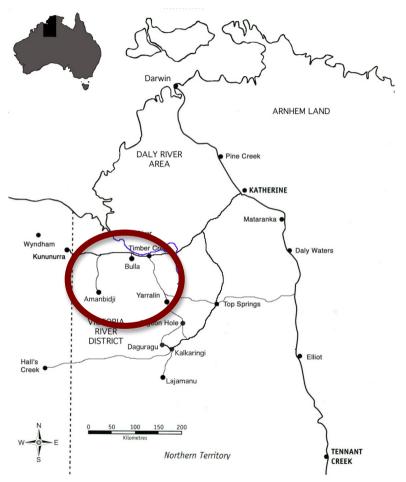
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Person and knowledge: from participant role to epistemic marking Workshop at the SLE conference, Leiden, 2 September 2015

Jaminjung / Ngaliwurru

- Mindi Language Family,
   Northern Australia
- Few elderly speakers
- Texts and elicitation data 1993–2015



# The phenomenon

 In Jaminjung/Ngaliwurru, first person inclusive pronouns frequently occur in non-referential function, as intersubjective evidentials indicating shared access to information (1)

(1) yinju jungulug, gurlurl ga-yu=**mindi** \
here one be.on.top 3SG-be=1+2

'Here there is one, it is on top=mindi'

- These contrast with an egophoric evidential indicating speaker's primary access to information
- No obligatory evidential system; relatively low frequency



21. ball (table)

# **Outline**

- Distribution of the egophoric evidential
  - Tense/aspect, Person, Epistemic modality, Speech Act
- Distribution of the intersubjective evidentials
  - Uses of pronominal clitics in Jaminjung / Ngaliwurru
  - Tense/aspect, Person, Epistemic modality, Speech Act
- Implications

# Egophoric evidential =ngarndi ~ =(nga)rdi

- Speaker (in declaratives) has priviledged access to source of information; fully integrated into speaker's knowledge; 'primary knower'
  - Shifts to addressee in interrogatives
- Mode of access (e.g. visual, auditory, report, proprioception) not encoded (except lexically)
- Still, evidential rather than just a generally epistemic meaning because the speaker has direct, participatory evidence of some nature for the event

# Declarative usage

• Compatible with all tense/aspect/modal forms, all persons, and negation

# **Individual witnessed past event**

• 1<sup>st</sup> person subject / argument (note: 1+3 = 1<sup>st</sup> exclusive; 1+2 = 1<sup>st</sup> inclusive)

```
(2) dij yirra-gba, pek-im-ap yirri-yu=biya \
stay.overnight 1+3PL-be.PST pack-TR-up 1+3PL>3SG-say/do.PST=SEQ
```

```
<u>bot</u> yirr-uga=ngardi thawu gurra?
boat 1+3PL>3SG-take.PST=EGO immersed TAG
```

'we stayed overnight, then packed up and took the boat to the water, right?' (response of co-narrator: Yawayi 'yes.')

(IP/EH, ES08\_A04\_05.067-9)

• 3<sup>rd</sup> person subject / argument

Looking at photos of the the construction of a shed:

(3) ngarrgina-ni=biya jayiny yirr gan-anthama
1SG:POSS-ERG=SEQ grandchild pull 3SG>3SG-bring.IPFV

<u>trailer</u>-mij warnda=**ngarndi** 

trailer-COM grass=**EGO** 

'my daughter's daughter was pulling grass with a trailer'

(IP, ES97\_A03\_09.001)

• 2<sup>nd</sup> person argument (rare)

Context (fictitious dialogue): Speaker sees addressee approaching with two other people.

```
(4) ah marndaj nganji-yu=ngarrgu gaburrgad,
ah all.right 2SG>3SG-say/do.PST=1SG.OBL yesterday
en jalang, na-jga-ny=bunyag=ngardi durd-bina,
and today 2SG-go-PST=3DU.OBL=EGO hold.one-ALL
nganji-nganjama-ny=biya \
2SG>3SG-bring-PST=SEQ
```

'ah, all right, you told me yesterday, and today you went for the two to pick them up, and you brought them here' (JM, ES08\_A08\_01.073)

The speaker's epistemic authority builds both on verbal report (having been informed about the addressee's plans by herself) and on eyewitness (of the approach of the three people in question).

# **Habitual past event**

- 1<sup>st</sup> person subject
  - (5) nenigot=biyang yirrurra-wardagarra-nyi=ngardi garrb
    goat=SEQ 1+3PL>3PL-follow-IPFV=**EGO** gather
    'we used to follow goats around, and gather (them)' (narrative about station life experienced by speaker) (IP, ES08 A04 03.003)
- 3<sup>rd</sup> person subject
  - (6) <u>olga-olgaman</u>=ni <u>laikim</u> <u>burra-mila=**ngardi**</u>
    RDP-old.women=ERG like:TR 3PL>3SG-get/handle.IPFV=**EGO**<u>gardaj=biya burr-arra-nyi=ngardi yathang bilij=mij</u>
    grind=SEQ 3PL>3SG-IV.put-IPFV=EGO allright tree.sp=COM

    (about a kind of strong tobacco) 'the old women used to like it, they used to grind it, then (mix it) with <u>bilij</u> ashes' (IP, ES08 A05 01.172-5)

# Observed state or event at speech time

(7) <u>wind</u> ga-ram=**ngarndi**, gabardag burduj ba-jga:!, gabardag, wind 3SG-come.PRS=**EGO** quick go.up IMP-go quick

burdaj ga-ram=**ngardi** gujugu! yani-ma!

Wind 3SG-come.PRS=**EGO** big IRR:3SG>3SG-hit

"(There's) wind coming! quick go up! quick! A big wind is coming! It might hit it!" we told her then' (from a personal narrative about a relative of the speaker building a shed) (IP, ES97\_A03\_10.125-27)

# **Intention / prediction of future event**

• 1<sup>st</sup> person subject: intention

```
(8) ngayug=malang nga-w-ijga=ngarndi yinawula!

1SG=GIVEN 1SG-POT-go=EGO DIST:DIR

'me, I'm going to go over there (she said to her)'(JM, ES96_A01_01.037)
```

- 3<sup>rd</sup> person subject: predictions / warnings based on expectations about regular behaviour grounded in previous experience
  - (9) wirib-di yawurru-minda=ngardi dog-ERG IRR:3SG>3PL-eat=EGO 'the dog might eat them!' (DB, overheard utterance)

# Interrogative usage

2<sup>nd</sup> or 3<sup>rd</sup> person subject / argument, in all tenses

#### Past tense

```
(10) nami=malang, nyangulang na-ruma-ny=ngardi?
2SG=GIVEN when 2sg-come-PST=EGO
'you, when did you come?' (JM, ES97_A04.101)
```

```
(11) yagbali=biji gan-angu=nggu=rdi?
place=ONLY 3SG>3SG-get/handle.PST=2SG.OBL=EGO

'did only your house catch (fire)' (lit. 'did it only catch the place on you'? (Response: 'no, everything in it got burnt as well')

(ERa, ES12_A03_02.046)
```

## **Present tense**

```
(12) ERa: buru ga-ngga ... nganji-ngayi-m=ngardi?
          return 3SG-go.PRS 2SG>3SG-see-PRS=EGO
      JM: mm!.. marndaj nga-ngayi-m yina
                                                   walnginy
          INTERJ all.right 3SG>3SG-see-PRS DIST
                                                    walking
      (Context: commenting on a video of a relative digging for yam)
      ERa: 'she's going back, can you see her?'
      JM: 'mhm! I see her all right over there walking around'
                                              (ERa/JM, ES12 A04 01.074-7)
  (13) quyawud na-yu=ngardi?
      hungry
                   2SG-be.PRS=EGO
      'are you hungry?' (in conversation) (CP/VP, ES99 V01 06a.433)
```

# Future tense / non-realised modality

(14) mirdanguddawung na-w-ijga=**rdi** Darwin-bina ngih? tomorrow 2SG-POT-go=**EGO** place.name-ALL TAG 'tomorrow you will go to Darwin, right?' (JM, ES99\_V05\_05.151)

# Directive usage

```
(15) ba-yu=nu=ngardi warladbari-wu, "..."

IMP-be=3SG.OBL=EGO old.man-DAT

'Tell the old man, "..." (JM, ES09_A01_01.236)
(16) jalig=gayi bardawurru ganurra-ma-ya=mindi?

child=ALSO many 3SG>3PL-have-PRS=1+2.EVID

ngarla ba-ngawu=rdi Nalyirri

BUT IMP:2SG>3SG-see=EGO subsection.name

'Does she also have many children there? Have a look, Nalyarri!'
```

(JM, ES12 A04 01.139-40)

Emphasises speaker's motivation for request (?) (Found with egophoric evidentials in other languages???)

# Interaction with epistemic marking

- The ego evidential =ngardi is compatible with the (single) epistemic modal particle majani 'maybe; it is possible that'
  - Egophoric evidence ≠ certainty (cf. Gipper 2011: 127ff. on =laba 'subjective' in Yurakaré)

Context: fictious warning to a man that someone else might elope with his wife

```
(17) jirri majani ganu-wu-ngarna=rndi,
magic.powder maybe 3SG>3SG-POT-give=EGO

'maybe he will give her jirri (to make her fall in love with him) (I tell you!)' (IP, ES97 A03 03.099)
```

Context: prompted by elicitation scenario of blaming a person for stealing food. He says, "No, not me, I used to steal from you before, but not today, someone else must have taken it".

```
(18) Majani janyung-ni=biyang mayi
maybe other-ERG=SEQ person
```

```
thanthiya bunug ga-gba=ngarndi \
DEM steal 3SG-be.PST=EGO
```

'maybe another person stole that one (?I can vouch for me not stealing it)' (DBit, ES97\_A08\_01.005)

# Scoping of evidential / modal markers

EGOPH<sub>EVID</sub> [POSSIBILITY<sub>EPIST</sub> [Potential / future<sub>ROOT</sub> [EVENT]]]

# **Speaker intuition**

(19) Yeah you say ngardi for yourself,

```
Gardbany=ngardi jarlig,
3SG:fall:PST=EGO child
```

```
you say 'my kid bin fall down'.

(JosJ, 2015; ES15_A09_02)
```

# Analysis of =ngardi 'EGOPHORIC Evidential'

- Meets definition of egophoricity as indicating a 'primary knower' with priviledged access to the information encoded
  - Speaker in declaratives, hearer in interrogatives
- Unlike in some Himalayan systems, orthogonal and additional to argument indexing ("agreement"); not strictly associated with particular argument role (cf. the typological distinction discussed by Bickel (2008))
- Not obligatory; rather functions in discourse to underline request / warning / relevance to hearer of communicated information ('I tell you!')
- Parallels in Australian languages (not described in terms of egophoricity):
   -ma ~ -mvrra in Enindhilyakwa (van Egmond 2012: 225-236)
   karinganta in Warlpiri (Laughren 1982)

# Intersubjective evidential: 1+2 pronoun(s)

- The source of evidence is a situation observable at speech time by both S and H
  - Often employed during viewing of pictures or videos
- S explicitly acknowledges shared and symmetric access by S and H to the information conveyed
  - as opposed to claiming status of 'primary knower' as indicated by egophoric =ngarndi
- In corpus data, not used for established, shared facts (these remain unmarked), but only for observations not yet integrated into S or H's common ground

# Pronominal paradigm (free & clitic pronouns)

	MINIMAL			UNIT AUGMENTED (+1, "Dual")			AUGMENTED ("Plural")		
	Free	Clit.	Obl. Clit.	Free	Clit.	Obl. Cl.	Free	Clit	Obl. Cl.
1	<b>nga</b> yug	—	<b>nga</b> rrgu	yirr	inyi	yinyag	yir	ri	yirrag
1+2	mindi	mindi	mindag	yurr	inyi¹	yunyag	yuı	rri	yurrag
2	nami	—	ngunggu	guri	rinyi	gunyag	gui	rri	gurrag
3	ji		nu	bur	rinyi	bunyag	bui	rri	burrag

according to speakers (2015) all 1+2 pronouns can be used in the same function as mindi – but not in corpus data

# **Uses of clitic pronouns** (mostly postverbal)

 Oblique ("dative") clitic pronouns index humans and higher animates in roles such as addressee, recipient or beneficiary

 Absolutive (non-oblique) clitic pronouns index humans / higher animates indirectly affected by an event but not as recipient, goal or beneficiary (typically adversely affected; similar to "ethical datives")

```
(21) Gurrurrij ngad ga-w-irdba=yurri
car bogged 3sg-POT-fall.IPFV=1+3PL
'our car was about to get bogged / we nearly got bogged' (DP, 1994 N)
```

- The absolutive 1+2 clitic pronoun mindi occurs both in contexts of indirect affectedness (22) and contexts were no such affectedness can be construed (evidential uses, (23))
  - (22) warrij-di=warra bulgub yan-arrga=mindi
    freshie-ERG=DOUBT sneak.up IRR:3SG>3SG-approach=1+2
     'a freshwater crocodile might sneak up on her "on you and me"'
     (referent = hearer's daughter) (VP, ES99\_V01\_06)
  - (23) mali garrb burr-antha=nu=mindi
    clothes hold(many) 3PL>3SG-take.PRS=3SG.OBL=1+2
    Context: spontaneous comment on observed actions of
    age care people in the community
    'looks like they are taking clothes for her!' (DB, ES97\_A02\_02.166)

# Distribution with respect to TAM and negation

- In corpus data: restricted to present tense clauses (most examples),
   verbless clauses with present time reference (29), and past perfective
   clauses with resultative perfect interpretation (results observable at speech time; (24), (25))
- Not attested with imperatives

```
(24) Jungulug burr-angu=mindi \ ngayin \ yangarra \ one 3PL>3SG-get/handle.PST=1+2 animal kangaroo

Context: spontaneous utterance upon seeing a dead kangaroo brought over by dogs

'they got one, an animal, a kangaroo!' (JM; ES09 A01 01.190-2)
```

# Past perfective / resultative cont. From fictive dialogue elicited by means of cartoons

(25) yina burduj ga-jga-ny=**mindi** there go.up 3SG-go-PST=1+2

janju wirib

DEM dog

'ah, there it has gone up, that dog' (JM, ES08\_A20\_03.073)





 Rarely attested: modal verb forms with future time reference – only if occurrence inferred from events observable at speech time

Context: speaker commenting on a video showing state of change scenes; actor preparing to strike another with a paper roll

(26) gani-w-ijja=**mindi**=biyang, a::!, diny=nyung
3SG>3SG-POT-poke=**1+2**=SEQ ah lie.down=RESTR

'looks like he will strike her now, ah, so she falls over' (IP, 1994)

• Compatible (if rare) with negation

Context: speaker wondering about the identity of a driver who has just arrived in the community

# Interaction with epistemic marking

 Compatible with epistemic modal majani 'maybe', indicating less than full commitment to the interpretation of an observed situation

```
(28) majani guyawud ga-gba=mindi
maybe hungry 3SG-be.PST=1+2

gani-mindi-ya=mindi ngabulu gujarding
3SG>3SG-eat-PRS=1+2 milk mother

'maybe it (puppy) was hungry; it sucks (its) mother's milk'
```

```
(29) majani=mindi malyju \ yawayi yawayi \ maybe=1+2 male yes yes

yinyju=biya het nga-ngayi-m \ malyju \ this=SEQ hat 1SG>3SG-see-PRS male

Context: describing arrangements of toy figures.

'Maybe (it's) a boy, yes yes, here I see his hat now – a boy'

(JM, ES09_A01_01.017)
```

# Scoping of evidential / modal markers (?)

1+2<sub>EVID</sub> [POSSIBILITY<sub>EPIST</sub> [EVENT]]

# Interrogative usage (infrequent)

 As one would expect, the evidential origo does not shift in interrogatives (since it already encompasses both 1<sup>st</sup> and 2<sup>nd</sup> person)

Context: dialogue prompted by instructions to speakers to ask each other questions about a video which showed a familiar person looking for and digging up yam.

```
(30) gan-ijja-ny=mindi?
3SG>3SG-poke-PST=1+2
    'does it look like she has she dug it up (yet)?'
(Response: 'not yet, but she's found it') (ERa, ES12_A02_02.120)
```

## Distribution in discourse

## **Elicitation:**

Frequent first utterance in elicitation with unfamiliar visual stimuli

 see also examples (2) (ball on table); (25) (dog in cartoon); (29) (describing toy figures)

```
(31) "gud ba-wiyaj!" gan-unggu-m=nu=mindi=biyang
get.up IMP-be 3SG>3SG-say/do-PRS=3SG.OBL=1+2=SEQ
```

Context: speaker describing video clips showing two women – unfamiliar to speaker – acting in short scenes

"get up!" she tells her now (IP, ES96\_A08\_03.286)

**Table 1.** Use of *=mindi* in one Frog Story narrative (told while looking at the picture book), 425 Intonation Units (IP; ES97\_A03\_01)

Context	Nr of occurrences	
Start of new scene (= new page in picture book)	8	
New aspect/participant of same scene, 1 <sup>st</sup> description	9	(1 in repeat)
New aspect of same scene, repeated description	3	
Other (new interpretation of scene, summary, reflection)	4	
Total	24	

## **Narratives**

Only in **reported speech**; one participant comments on a newly arising state of affairs for which access to evidence is shared with the other.

Context: two hunters in a narrative had encountered "devil" kangaroos and were following them.

"Where are they?" one said to the other. The other said:

'Looks like there are tracks here of the two!' (DB, ES96\_A10\_A01)

Context: co-constructed account by two speakers of how they noticed an unfamiliar car and at first did not recognise the driver, then realised ESB (= Nangari) had come back after several years of absence, with a different car and haircut.

```
(33) JM: "janju=gun ga-ram=mindi Nangari"

DEM=CONTR 3SG-come.PRS=1+2 <subsection.name>

nga-yu=nu=biya, (...)

1SG>3SG-say/do.PST=3SG.OBL=SEQ

"that Nangari is coming", I said to her (= ERa)'

ERa: "Nangari=gun=mindi" gani-yu \

<subsection.name>=CONTR=1+2 3SG>3SG-say/do.PST

'"(It's) Nangari indeed!" she (= JM) said'
```

(JM, ERa; ES08\_A08\_01.097)

## **Conversation**

As far as *=mindi* has been recorded in **spontaneous conversation** it usually appears in comments on a newly arising situation (see also example (23))

Context: Out-of-the-blue utterance unrelated to previous context; S observing a stranger's car coming down the river bank where S and H were sitting.

```
(34) janyungbari yina motika jid ga-ram=mindi
another DIST car go.down 3SG-come.PRS=1+2

'Another car is coming down there (as you and I can see)!'

(DB, ES97_A01_03)
```

# Speaker intuition

```
(35) ... that mean you tell your mate, (...) if I tellim,
gurrurrij=gun ga-ram=mindi,
car=CONTR 3SG-come.PRS=1+2

(...) that mean nother motika coming,
that mindi mean like mibala two, (...)

I just tellim, letting him know, motika coming.

(JosJ, 2015; CS15_A15_06)
```

# Analysis =mindi 'intersubjective evidential'

Common denominator of all (non-referential) uses of *=mindi*:

- The event described (or an event that provides the source of an inference) are observable by the speaker at speech time (TAM restrictions)
- Observability is **shared** by addressee, i.e. both speaker and addressee have **shared direct evidence** of the state of affairs (discourse restrictions)
  - Marks shared evidence, but **not** in case of established / known information
- >> contributes to mounting evidence for evidentials where evidential origo is not the speaker (e.g. Landaburu 2007; Bergqvist 2009; Gipper 2011; Hintz 2012; San Roque and Loughnane 2012; Zariquiey 2013)

- The **discourse function** of the marker *=mindi* appears to be to establish joint attention (cf. Diessel 2006 on demonstratives), described as a type of intersubjectivity (Brinck 2008: 132; Verhagen 2008: 309)
  - Functional relationship to mirative if defined as indicating that information is not yet integrated into speaker's overall representation of the world (DeLancey 1997: 35f.; Dickinson 2000)
    - Cf the comparable phenomenon of "mirative inclusive" pronoun in Ingush – "The speaker states an important generalization or point that is known to both speaker and hearer but is not in the hearer's immediate consciousness." (Nichols 2011: 282–283)
  - In the context of "Territory of Information": new information is less close to speaker until considerable processing has taken place (Kamio 1995: 238)

# Implications for the typology of person marking and evidentiality

- Nascent evidential system
  - EGOphoric (subjective)
  - EGO+TU-phoric (intersubjective)
  - (plus non-grammaticalised reportative strategy)
- Grammaticalised but not obligatory; rather used to emphasise the relevant speaker access / shared access, for pragmatic effect
  - EGO often associated with directive illocutionary force (providing reason for request; with direct request; with warning)
  - EGO+TU to establish joint attention / drawing attention to event of (potentially) mutual relevance / (pragmatically restricted) miratiity

- Findings support distinction between evidentials and epistemic modals (distinct position; scope evidential > epistemic)
- Evidential use of pronouns supports deictic nature of evidentials (Jakobson 1971 [1957]; Mushin 2000; de Haan 2005)
  - Evidential pronouns rarely reported but see LaPolla (2003) on 1<sup>st</sup> person in Qiang, Molochieva (2007) on 2<sup>nd</sup> person in Chechen, Nichols (2011: 282–283) on 1<sup>st</sup> person inclusive in Ingush
- Intersubjectivity signalled transparently by a 1+2 pronoun primary intersubjective function, not result of subjectification (cf. e.g. Traugott & Dasher 2002)
  - Rather, extended use of pronouns in "ethical dative" / indirect affectedness constructions (see also Molochieva and Nichols 2011)



# **Abbreviations**

1+2	1st & 2nd person dyad	MOD	modal
ABL	ablative	OBJ	object
ALL	allative	OBL	oblique
CONTR	contrastive focus	PL/pl	plural
DAT	dative	POSS	possessor
DEM	demonstrative	POT	potential modality
DIR	directional	PROPR	proprietive ('having')
DIST	distal demonstrative	PROX	proximal demonstrative
DU/du	dual	PRS	present tense
ERG	ergative	PST	past tense
EGO	egophoric evidential	RDP	reduplication
FS	False start	RESTR	restrictive marker ('just',
			'only')

HS	hearsay evidential	SG/sg	singular
----	--------------------	-------	----------

IMP imperative SUBORD subordination marker

IMPF (past) imperfective TR transitivity marker (Kriol)

INTERJ interjection

IRR irrealis

\ Final (falling) intonation

<u>Underline</u> in Jaminjung examples marks Kriol words and passages

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