Diagnosing pluractionality: the view from Seri

Jérémy Pasquereau, Patricia Cabredo Hofherr
University of Surrey, UMR 7023 CNRS (U. Paris 8 )
August 22, 2019

## Pluractionality

## Pluractionality

The expression of multiple events by markers on the verb (also called verbal plurality)

Relevance for this workshop:

- Pluractionality marking has effects that are similar to those of other categories, e.g. (imperfective) aspect induces a plurality of coughing events in (1).
(1) Jean toussait quand je me suis réveillé. Jean cough.PF.IMPF when I REFL am woken.up Jean was coughing when I woke up.
Context 1: Jean coughed once when I woke up. FALSE Context 2: Jean had a coughing fit when I woke up. TRUE
- Many terms in the literature for this phenomenon and the diversity of its manifestations (e.g. iterative, repetitive, distributive)





The problem
O०0.0.0.
Category $2=$ ?
(10)

| 'run' | Cat. 2: ? |  |  |
| :--- | :--- | :--- | :--- |
|  | singular | Form A | Foltiple |
| Cat. 1: sbj. number |  | -panozxim |  |
|  |  | Form C <br> -pancojc | Form D <br> -pancoxlca |

- We use the provisional label multiple (glossed mULT)


## Are MULT-forms pluractional forms?

Claim: Yes (sg and pl subject MULT-form realize the same feature)

Complex morphology: many-to-many mappings

- In many languages, meaning $X \leftrightarrow$ exponent $Y$
- In Seri, this one-to-one relation does not hold
- Expression of these categories is extremely varied: suffix, infixes, and/or phonological alternations

| (11) | FORM A | FORM B | FORM C | FORM D | GLoss |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | -ahit | -ahit-im | -aait-oj | -aaitolca | 'eat' |
|  | -apot | -apot-im | -apt | -apot-am | 'pay' |
|  | -aasp-oj | -aasipl | -atoosipl-oj | -atoosipl-oj | 'write' |
|  | -azazin-ot | -azazjc | -azazj-oj | -azazjc | 'weave' |

- Inflectional classes are not predictable (Baerman 2016):
- High degree of paradigmatic variety
- High degree of allomorphy
- Pre-stem slots host prefixes (e.g. for person, realis/irrealis, ...) that do not interact with the choice of stem form (neutral or MULT)
- Despite the unpredictability of the morphology, the same syntactico-semantic distinctions are encoded across verbs, e.g. subject number







## MULT-forms require event plurality

- The multiple form expresses multiple events (running events in 18)
(18) Hoyacj quih cöipanozxim iti, $\quad$ SG, MULT

1pos.brother DEF 310.3pos.nMLz.obl.run.mult [3Pos.jon
hamac cánoj quih iicot cöyooctim.
fire NMLZ.SUJ.roar DEF [3Pos.Jbetween 3IO.RLYo.cut
While my brother was running (here and there), the light went out.
Context 1: Yesterday my brother ran in a race from point $A$ to $B$. While he was running, the light went out. FALSE
Context 2: Yesterday my brother did a scavenger hunt with other children. While he was playing the light went out. TRUE

## MULT-forms require event plurality

- The multiple form expresses multiple events (running events in 18)
(19) Hoyácalcam quih cöipancoxlca iti, PL, MULT

1Pos.brother.PL DEF 310.3POS.NMLZ.OBL.run.MULT.PL [3POS.Jon
hamac cánoj quih iicot cöyooctim.
fire NMLZ.SUJ.roar DEF [3POS.]between 3lo.RLYo.cut
While my brothers were running, the light went out. [Questionnaire2FT4, elicitation]
Context 1: Yesterday my brothers ran in a race from point A to
B. While they were running, the light went out. FALSE

Context 2: Yesterday my brothers did a scavenger hunt with other children. While they were playing the light went out. TRUE



| $\begin{aligned} & \text { Introduction } \\ & \text { ooo } \end{aligned}$ | The problem 0000000 | Morphological background <br> Part 2: profil | Questionaire O00000000000000000000000000000 | Conclusion and perspectives 0000 | $\begin{aligned} & \text { Introduction } \\ & 000 \end{aligned}$ | - MULT <br> - Mark class Laca, <br> - We d the ba 1. <br> 2. <br> 3. T | Profile of <br> rms are marke of event plura Dressler, 1968; 006; Wood, 2007 cribe the sema kdrop of event ct cardinality exp erbs, cardinal ar multiplication effe enlandic (Van G plurality of even icipants | uractionality in Seri <br> of event plurality <br> y are not a semantically-hom usic, 1981; Xrakovskij, 1997; ; Bertinetto and Lenci, 2012) ic profile of the MULT-category urality markers cross-linguistic essions do not count event iteratio ments) as in e.g. Chechen (Yu, 2 t for singular indefinites as in e.g. nhoven, 2005) <br> can be distributed over times and | geneous <br> Yu, 2003; <br> against <br> ally: <br> ns (e.g. <br> 003) <br> West <br> d/or |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2950 |  |  |  |  |  |  |  |  |  |




## No multiplication effect for singular indefinites

(28) Context: When fishermen came to the village, each one built his own house.
\#Ctamcö coi haaco z iyaaizilca.
men def.PL house indef.sG $3 ; 3$.RLs.yo.make.MULT.PL
The men built a house. [SC: it's a lie, the situation says that each
person built his house but the sentence says that they together built
one house. It would be 'ctamcö coi haacöt pac iyaaizilca']
[Questionnaire2FT4]

## Background on distributive dependencies

- Events in general have a time, a participant, and a location
(29) Yesterday, my friends visited Puerto Libertad.
- Pluractional forms can be licensed by establishing distributive dependencies between the multitude of events and a multitude of times or participants (or locations) (Dressler, 1968; Cusic, 1981)
- E.g. this sentence is true if each of my friends visited Puerto Libertad just once at the same time but separately




## Distributive dependencies with sg. MULT (intransitives)

- Distribution over singular subject participant only is not testable
- Distribution over time + participant is possible
(31) Context: I'm invisible and I wash the table little by little, taking break. You see it happen.

Hehe iti icoohitim quih yopaaisx
wood 3poss:on 3POS:[OBL.NMLZ:]UNSP.SBJ:UNSP.OBJ:eat:MULT DEF.FLX RLS.yo.clean
/ yopaaasxim.
RLs.yo.clean.MuLT
The table is clean. / The table is becoming clean. [EDSEI29NOV2017DRPM,
Questionnaire2FT4, elicitation]

|  |  | sg. MULT | pl. MULT |
| :--- | :--- | :---: | :---: |
| $\dot{\text { r }}$ | dist. over time only | $\checkmark$ |  |
| $\dot{\mathbf{z}}$ | dist. over ptcp only | n.a. |  |

## Distributive dependencies with pl. MULT (intransitives)

- Distribute over times only is enough to license MULT.PL
(32) Context: The women crossed the arroyo together, various times. (source [EDSEIFEB2017DRPM, elicitation])
Cmajic quih hant ipzx com imac cöyatooquelam. woman.PL DEF arroyo DEF 3Pos.middle 310.RLS.Yo.cross.MULT.PL The women crossed the arroyo.

Distributive dependencies with pl. MULT (intransitives)

- Distribution over participants only is possible (if they go in different directions)
(33) Context: The women were on different sides of the arroyo, they all had a phone and crossed at the same time once.

Cmajic quih hantipzx com imac
woman.PL DEF arroyo DEF 3Pos.middle
cöyatooquelam.
310.RLS.YO.cross.MULT.PL

The women crossed the arroyo. (EED.
SEIIMAY20190RPM.ATHF, elicitaion)






