BUILDING UNERGATIVES: INSIGHTS FROM DIMINUTIVE VERBS

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The basic observation ...

• the existence of verbs containing "diminutive" affixes that also attach to nouns:

(1) a. Das Wasser koch-t / köch-**el**-t. (German) the water boil-3s.pr boil-DIM-3S.PR 'The water boils / simmers.' b. fischi-ett-are (Italian, De Belder et al. 2014) whistle-DIM-INF 'to whistle, to emit short whistles' c. cixkek (Hebrew, De Belder et al. 2014) giggle.DIM.V 'to giggle'

d. *lul-ëz-oj* (Albanian) flower-DIM-1S

'I bloom'

(2) a. Busch Büsch-el (German)

bush (MASC.) bush-DIM (NEUT.)

'bush' 'small bush, bunch, tuft'

b. fischi-o fischi-ett-o (Italian)

whistle-S,M whistle-DIM-S,M 'whistle' (action) 'whistle' (object)

c. (\sqrt{cxk}) cixkuk (Hebrew)

laugh giggle.DIM.N

'a giggle'

d. lule *lul-ëz* (Albanian)

flower flower-DIM 'flower' 'little flower'

... and the basic proposal

• the (identical) diminutive affix spells out the head of a diminutive nP that selects nouns or roots **both** in nouns and in verbs, and is crucially involved in deriving the latter's unergative behaviour

Roadmap

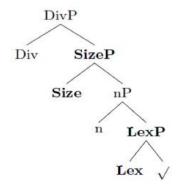
- Background on (mostly nominal) diminutives
- Verbal diminutives across languages
 - o Case study of German -(e)/- and -er/-verbs and their classification
 - Deliberations on Albanian and Italian
- Our analysis the heart of the proposal:
 - o "verbal" diminutives contain noll in their structural makeup
 - o n_{DIM} can select √ or n
 - o n_{DIM} identifies the nominal core of unergatives, i.e. diminutive verbs are unergatives
- Theoretical ramifications: the structure of unergatives
- Summary and conclusions

1. Diminutive background

• diminutive affixes turn mass into count nouns (Jurafsky 1996, Borer 2005, Wiltschko 2006):

(3)	viel	Wein	viel-e	Weind-erl(-n)	(Viennese)
	much	$wine_{MASC}$	many-PL	wine-DIM(-PL)	
	viel	Schlaf	viel-e	Schläf-chen	(Standard German)
	much	$sleep_{MASC}$	many-PL	sleep-DIM	

- semantic universals include "small", "approximation", "intensity", "individuation", "attenuation" (Jurafsky 1993, 1996)
- diminutives change noun gender or class (e.g. Dutch, German, Hebrew, Hindi)
- **De Belder et al. (2014)**: two different functional heads responsible for diminutive formation cross-linguistically; these are not category-forming and can co-occur (depending on the language, see also **Cinque 2015** for Italian):
- (4) De Belder et al. (2014): structure of diminutives:



LexP:

selects roots

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- o attaches below category-forming heads (v, n, a)
- o may have non-compositional meaning
- Ex.: It. cas-a 'house': cas-in-o 'brothel' (*'small house'); Hebr. xatul 'cat': xataltul 'kitten', SG Busch 'bush': Büsch-el 'tuft, bunch' → non-compositional

SizeP:

- selects nPs; sits between DivP (≅ NumP; the projection that hosts number marking/classifier morphology, cf. Borer 2005) and nP
- o adds boundedness, unit-reading (cf. Ott 2011: UnitP)
- always fully compositional
- Ex.: It. cas-a 'house': cas-in-a 'small house'; Hebr. xatul 'cat': xatul-on 'small cat', Austro-Bav. Sockn 'sock': Sock-erl 'small sock' → compositional

German -(e)I- seems to spell out Lex: it is non-compositional, not productive, and can be selected by higher, productive DIM morphology, (5a), and, arguably, by verbal morphology, (5b):

- (5) a. Bund Bünd-el Bünd-el-chen bunch bunch-DIM bunch-DIM bunch-DIM bunch' 'bundle'
 - b. *bünd-el-n* bunch-DIM-INF
- DIMINUTIVE -(e)I- triggers **umlaut** on the base vowel:
 - \circ a > \ddot{a} (/ ε /, /e:/)
 - \circ o > \ddot{o} (/ $\frac{c}{m}$, / $\frac{d}{d}$:/)
 - \circ $u > \ddot{u} (/y/, /y:/)$
 - au > äu (/ɔʏ/)
- NON-DIMINUTIVE -(e)I- does not trigger umlaut (mostly found on instrument nouns, e.g., Sattel 'saddle', Nagel 'nail', Hobel 'plane', etc.)
- DIMINUTIVE -(e)I-nouns are always neuter, NON-DIMINUTIVE -(e)I- is m. or f., rarely n

Austro-Bavarian/Viennese -erl- /al/ does not trigger umlaut, -l- usually does, as in Standard German (SG):

(6) Viennese -erl- vs. -l-:

a <i>erl</i> -		b. <i>-/</i> -	
Sack S	Sack- erl	H au s	H ei s-I
sack (MASC) s	sack (NEUT)	house (NEUT)	house-DIM (N.)
'sack, bag' 's	small bag'	'house'	'toilet'
Suppe S	Supp- erl	B ua sch	B ia sch- I
soup (FEM) s	soup-DIM (NEUT)	boy (MASC)	boy-DIM (N.)
'soup' 's	small amount of soup'	'boy'	'little boy'

• Can the verbal -(e)I-/-erI- suffixes be equated with the nominal ones?

2. Verbal diminutives across languages

2.1. (Varieties of) German

We assembled a corpus of 300 verbs containing the SG affix-(e)I- and its Austro-Bavarian variant -erI- /al/ based on the data discussed in Weidhaas and Schmid (2015), Dressler and Merlini Barbaresi (1994), Hornung and Grüner (2001) and cross-checked with the Digitales Wörterbuch der deutschen Sprache (= DWDS), Deutsches Wörterbuch (= DWB) and Kluge's Etymologisches Wörterbuch der deutschen Sprache (Kluge 1999). These were divided into four basic classes:

- Class I: base = adjective
 - a. base without (e)I-suffix (11 verbs)
 - **b.** base with *(e)I*-suffix (2 verbs)
- Class II: base = verb (97 verbs)
- Class III: base = noun
 - **a.** base without (e)I-suffix (43 verbs)
 - **b.** base with *(e)I-*suffix (144 verbs)
- Class IV "other":
 - **a.** base = inflected verb form (2)
 - **b.** base = adverb (1)

We excluded 64 verbs of (i) onomatopoeic and/or synchronically and diachronically unclear bases (for details, see Grestenberger & Kallulli, forthcoming)

Examples:

- (7) Class I: base = adjective
 - a. schwach schwäch-el-n weak weak-DIM-INF

'weak' 'to be a little/act weak'

b. *blöd blöd-el-n silly silly-DIM-INF*

'silly' 'to be a little/act silly'

c. fromm frömm-el-n pious pious-DIM-INF 'pious' 'to act piously'

- DIM seems to act as a verbalizer
- DIM *always* triggers umlaut (on umlaut-capable vowels, cf. *fremd* 'strange': *fremd el-n* 'be afraid of strangers, act shy around strangers (of kids)')
- (8) Class II: base = verb

a. koch-en köch-el-n boil-INF boil-DIM-INF

'to boil' (anticaus./caus.) 'to almost boil/simmer'

b. *dräng-en dräng-el-n* urge-INF urge-DIM-INF

'to urge/push' 'to jostle, to push less intensely/a little/repeatedly'

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c. schütt-en schütt-el-n
pour-INF pour-DIM-INF
'to pour' 'to shake, pour out small units'
d. schreib-en schreib-erl-n (Viennese)
write-INF write-DIM-INF

'to write'

'to write badly, inexpertly'

• DIM adds iterative, intensive/attenuative or pejorative semantics

• DIM does not consistently trigger umlaut on the base vowel, cf. (8e); some verbs have/had umlauting and non-umlauting variants (e.g. MHG *lacheln* besides *lächeln* 'smile', *muffeln* vs. *müffeln* 'to smell musty', etc.)

(9) Class IIIa: base = noun without (e)I-suffix

a. Frost fröst-**el**-n frost frost-DIM-INF 'frost' 'to shiver, be cold'

b. Schlange schläng-**el**-n snake snake-DIM-INF

'snake' 'to move like a snake'

c. Stück stück-**el**-n piece piece-DIM-INF

'piece' 'to divide into pieces'

d. *Maus* maus-**el**-n mouse mouse-DIM-INF 'mouse' 'to smell of mice'

- DIM mostly triggers umlaut (fewer exceptions than in class II)
- DIM seems to act as a verbalizer (cf. class I)

(10) Class IIIb: base = noun with (e)I-suffix

No Umlaut **Umlaut** a. Sattel sattel-n d. Brösel brösel-n daddle saddle-INF crumb crumb-INF 'Saddle' 'to saddle' 'crumb' 'to flake, crumb' b. Hagel e. Bündel bündel-n hagel-n hail hail-INF bundle bundle-INF 'bundle' 'to bundle' 'hail' 'to hail' c. Wurzel wurzel-n f. Zügel zügel-n rein rein-INF root root-INF 'root' 'be rooted in' 'rein' 'to put reins on, rein in'

- the root vowel of the derived verb only umlauts if the base does too; cf. (10d-f)
- only four apparent exceptions out of 144 verbs (see Grestenberger & Kallulli forthcoming)
- diminutive semantics less pronounced than in class II, or absent (when present, clearly part of the base: *bröseln* 'to crumble into small crumbs', *Brösel* 'small crumb' vs. *wurzeln*, *satteln*)

2.2. Albanian

Albanian verbal diminutives seem to be 100% denominal; cf. (1d), (2d) and (11) – (13):

- (11) a. *Gjithçka po syth-ëz-onte*. everything prog bud-DIM-3PL,P 'Everything was budding.'
 - b. Syth-at / syth-**ez**-at dukeshin edhenga larg. bud-PL / bud-DIM-PL appeared also from afar 'The (little) buds were visible even from afar.'
- (12) vall-ëz-oj from:(një) valle → vall-ëz)
 dance-DIM-1S,PR a dance dance-DIM (i.e., 'little dance')
 'I dance'
- (13) cop-**ëz**-oj from:(një) copë → cop-ëz)
 piece-DIM-1S,PR a piece piece-DIM (i.e., 'little piece')
 'I partition/separate/break (something) into small pieces'
- (13') copë-t-oj from:(një) copë)
 piece-EPENTH.-1S,PR a piece (i.e. no DIM!)
 'I destroy/decimate (something)'

2.3. Italian

(Verbal) diminutive suffixes in Italian: -ett-, -ell-, -ott-, -onzol-, -a/e/ucchi-, -in- (Dressler & Merlini Barbaresi 1994: 98), Tovena 2010, De Belder et al. 2014:

(14)		Noun	Diminutive noun	Diminutive verb
	a.	fischi-o	fischi-ett-o	fischi-ett-are
		whistle-м	whistle-DIM-M	whistle-DIM-INF
		'whistle' (action)	'whistle' (object)	'to whistle'
	b.	fest-a	fest-icci(-)ol-a	fest-icci(-)ol-are
		party-F	party-DIM-DIM-F	party-DIM-DIM-INF
		'party'	'small party'	'to throw a (small) party'
		Verb	Diminutive verb	
	C.	mangi-are	mangiu-cchi-are	
		eat-INF	eat-DIM-INF	
		'to eat'	'to nibble'	
	d.	toss-ire	tossi-cchi-are	
		cough-INF	cough-DIM-INF	
		'to cough'	'to cough repeatedly/	
			less intensely'	

- base = mostly nouns and verbs
 - o but adjectives and other bases too: parecchi-o a. 'several' → parecch-in-o a. 'less than some; just a few' → 'parecch-in-are 'be/exist (as) several/a few'; caspita 'good heavens!' (vel sim.), excl. → caspit-er-in-a diminutive of excl. → caspit-er-in-are v. '(cause somebody) to gasp/exclaim'¹

2.4. Hebrew

Two diminutive strategies:

- i. suffix –on ("high diminutive"), not found in verbal diminutives;
- ii. reduplication of final root consonant(s) + nominal or verbal vowel pattern (examples from de Belder et al. 2014, Faust 2015)

(15)		Root/verb	Diminutive noun	Diminutive verb
	a.	√cxk	c i xk u k	cixkek
		laugh	giggle.DIM.N	giggle.DIM.∨
			'a giggle'	'to giggle'
	b.	√kfc	kifcuc	kifc e c
		jump	jump.DIM.N	jump.DIM.∨
			ʻa jump'	'to jump around'
	C.	kiven	k ivnun	kivnen
		'to aim/to direct'	aim.DIM.N	aim.DIM.V
			'fine-tuning'	'to fine-tune'

• De Belder et al. (2014) argue that this is evidence that DIM \neq n, but head of uncategorized LexP (v = *i*-*e*-pattern, n = *i*-*u*-pattern)

2.5 Halkomelem (Salishan)

... allows diminutives from nouns, verbs, and adjectives (DIM = reduplication, examples from Wiltschko & Steriopolo 2007):

(16) a. <i>q'a:mi</i> (n)	ʻgirl'	q'á -q'emi	'small girl'
girl		DIM-girl	
b. <i>lhí:m</i> (v)	'picking'	lhi- lhi:m	'picking a little bit'
picking		DIM-picking	
c. <i>p'eq'</i> (a)	'white'	p'í -p'eq'	'a little white, whitish'
white		DIM-white	

¹ "Sei tu l'autore. Arrangiati. Basta che non mi fai caspiterinare, woware, miagolare o altre cretinate del genere." (https://finepercorsovita.wordpress.com/2012/12/29/fuori-di-testo/, accessed 13.02.2019)

- Wiltschko & Steriopolo (2007): DIM differs cross-linguistically in whether it attaches as a head or an adjoined modifier, and in where it attaches/adjoins ($\sqrt{\text{vs. n}}$)
- Halkomelem DIM is analysed as modifier which adjoins to an uncategorized root
 → compatible with a higher a/v/n head
- ... but apparent compatibility of DIM with a/v/n is also found elsewhere (German, Hebrew, Italian...) where there is no independent evidence that DIM is an adjunct

2.6 Northern East Cree (Algonquian)

In verbal diminutives, the diminutive suffix *-(i)shi-* can modify the event, (17a-d), the subject of an intransitive verb, (17b-c), or the subject or object of a transitive verb, (17d-e) (examples and glosses from Cunningham 2008; non-SAP = Non-Speech Act Participant, AI = animate intransitive, II = inanimate intransitive, TS = theme sign, SFV = stem final vowels)

(17) a. Yûtin Yûtishiu Yûtin yûiti-shi-u

wind-DIM-NONSAP.S

'It is windy.' 'It is a little windy.'

b. *îshkwâtâu Îshkwâtâshiu* îshkwât-â-u îshkwât-â-shi-u

burn-sfv(II)-nonsap.s burn-sfv(II)-dim-nonsap.s

'It burns' 'It burns a little.' Or 'A little thing burns.'

c. Nipâshiu

nip-â-shi-n

sleep- SFV(AI)-DIM-NONSAP.S

'S/he takes a nap.' Or: 'The little one sleeps.'

d. *âpiham Âpihâishiu* âpih-am âpih-â-shi-u

open-TS open-TS-DIM-NONSAP.S 'S/he opens it' 'She opens it a little.'

e. Wâpihtishiu

wâpiht-i-shi-u

see-TS-DIM-NONSAP.S

'A small person sees it.' / 'S/he sees something small.'

- The "event reading" ≈ to the verbal diminutives in German, Italian, Hebrew, etc.
- -(i)shi- (and allomorphs) is also found on nouns, (18a), and "particles", (18b):

(18) a. pâtimâ pâtimâ-îsh 'later' later-DIM

'a little later'

b. Pâshchikin pâshchikin-ish

ʻgun' gun-DIM

'small gun'

2.7 Interim summary

- Verbal diminutives are cross-linguistically well-established
- Their apparent derivational bases include roots, nouns, verbs, adjectives, particles...
- ... so what is the common denominator?

3. The syntax of 'diminutive' verbs

3.1. German

- Class I (deadjectival) and II (deverbal) (e)I-verbs are activities:
- (19) Die Suppe hat zwei Stunden (lang) / *in zwei Stunden ge-köch-el-t. the soup has two hours long in two hours PTCP-boil-DIM-PTC 'The soup was simmering for two hours / *in two hours.'
- (20) Die Cora hat zehn Minuten lang / *in zehn Minuten ge-blöd-el-t. the Cora has ten minuteslong in ten minutes PTCP-silly-DIM-PTCP 'Cora acted silly for ten minutes / *in ten minutes.'
- (21) Die Cora hat eine Stunde lang / *in einer Stunde ge-schreib-**erl**-t. the Cora has an hour long in an hour PTCP-write-DIM-PTCP 'Cora attempted to write / wrote inexpertly for an hour.'
- Class II verbs may differ in their argument structure, aspectual behaviour, and selection of preverbs w.r.t. their (apparent) verbal base:
- (22) a. Das Wasserkoch-t. the water boil-3s,PR 'The water is boiling.'
- vs.: a'. Das Wasser köch-el-t. the water boil-DIM-3S,PR 'The water is simmering.'
- b. Hans koch-t das Wasser. Hans boil-3s,PRthe water 'Hans is boiling the water.'
- das Wasser. vs.: b'.*Hans köch-el-t das Wasser. the water Hans boil-DIM-3S,PR the water the water.'
- (23) a. *Die Livia nerv-t (herum).* the Livia nerve-3s,PR around 'Livia is/acts annoying.'
- (herum). vs.: a'. Die Livia nerv-el-t (herum).

 PR around the Livia nerve-DIM-3S,PR around (Livia is/keeps acting somewhat annoying.'
 - b. Die Livia nerv-t mich. the Livia nerve-3s,PR me 'Livia annoys me.'
- vs.: b'.*Die Livia nerv-el-t mich. the Livia nerve-DIM-3S,PR me 'Livia continually annoys me.'
- Intransitive class I and II verbs pattern as unergatives w.r.t. attributive participles:

(24) a. das ge-koch-te / *ge-köch-el-te Wasser the PTCP-boil-PTCP PTCP -boil-DIM-PTCP water 'the boiled / *simmered water'

b. *die ge-blöd-**el**-te Cora the PTCP-silly-DIM-PTCP Cora

c. *der ge-funk-el-te Stern the PTCP-spark-DIM-PTCP star

- Austro-Bavarian/Viennese non-umlauting -(e)I-/-(er)I- is moreover productive in deriving (optionally expletive) verbs of emission from nouns:
 - (25) Austro-Bavarian -(er)I-verbs of emission:

a. Schweiß schweiß-**I**-n brand-**I**-n c. Brand to smell of sweat smell burned sweat fire b. Maus maus-**I**-n d. Speibe speib-erl-n to smell of vomit mouse to smell of mice vomit

- (26) a. Der Hans schweiß-I-t. the Hans sweat-DIM-3S,PR 'Hans smells of sweat.'
- b. Es schweiß-I-t hier. it sweat-DIM-3S,PR here 'It smells of sweat here.'
- (27) a. Es herbst-**el**-t. it Fall-DIM-3S,PR 'It's a bit Fall-like'.
 - b. So schön herbst-**el**-t unser Bezirk. so beautifully Fall-DIM-3S,PR our.NOM district.NOM 'This is how beautifully Fall-like our district is.'

These facts suggest that our class I and II verbs are unergative activities and verbs of emission (states/activities).

3.2 Italian

Tovena (2010) argues that verbal diminutives/pluractional verbs are ambiguous w.r.t. telicity/lexical aspect tests, but some of her examples suggest activity verbs; cf. (28) with the same achievement/activity distinction as in (19), and (29) incompatible with an adverbial that marks a point in time (inchoative reading ok in (29b) though):

(28) a. Luisa hamangiucchiato la mela per un'ora / [?]in un'ora. Luisa has nibbled the apple for an hour/ in an hour

b. Luisa ha mangiato la mela *per un'ora / in un'ora. Luisa has eaten the apple for an hour / in an hour

(29) a. Daniele ha tossito alle due in punto.

Daniele has coughed at two o'clock (sharp)

b. #Daniele ha tossicchiato alle due in punto.

Daniele has coughed slightly and repeatedly at two o'clock (sharp)

3.3 Albanian

- Albanian verbal diminutives seem to be 100% denominal
- (Especially) productive with (denominal) verbs of emission (i.e. semelfactives); cf. (1d), (11a), (30):
- (30) a. *Vjesht-ëz-on* (*qyteti*).

 Autumn-DIM-3s,PR city
 'It's starting to look/feel like Fall.' / 'The town is starting to look/feel Fall-like.'
 - b. Djersa po i bul-ëz-onte në ballë.
 sweat prog cl,3s drop-DIM-3PL,P in forehead
 'Droplets of sweat were forming on his/her forehead.'
- (Semi-)productive with activities and accomplishments, cf. (12), (13) and (31):
- (31) a. gërm-ëz-oj spell-DIM-1S,PR 'I spell' b. frym-ëz-oj (dikë) inspire-DIM-1S,PR someone_{ACC} 'I inspire (someone)'

3.4 Interim summary

- Selected case studies suggest a connection between verbal diminutives and lexical aspect: **activity** verbs
- Argument structure changes w.r.t. the apparent "verbal base"
- More comparative work needed

4. Analysis: verbal diminutives are derived unergatives

4.1. Unergatives

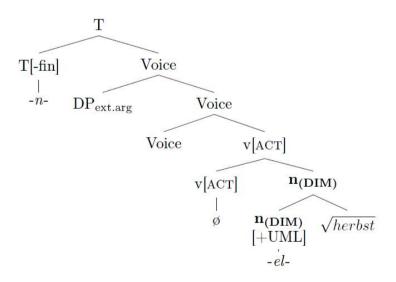
- Unergatives are built on a nominal core:
 - o Hale & Keyser (1993, 2002): unergatives contain an incorporated nominal
 - o Harley (1999, 2005): certain roots are "nominal" (i.e. denote "things")
 - Marantz (2013): the nominal part of unergatives is not a complement of the verb but rather a 'manner' Root that modifies v
 - Our take based on the cross-linguistic behaviour of verbal diminutives: parallel to the way nominalizations contain different levels of verbal structure, unergatives may contain different levels of nominal structure, which directly affect their event and argument structure properties

4.2. Proposal

- all -(e)I/-erl-verbs (and their analogues in other languages) contain a diminutive head n_{DIM}, even the "deverbal" ones of class II
- function of **n**_{DIM}: individuation; creation of (countable) **units** (Borer 2005,

Wiltschko 2006, De Belder 2011, Ott 2011, De Belder et al. 2014)

- **n**_{DIM} can select roots or nouns (Wiltscho 2006, Wiltschko & Steriopolo 2007, De Belder et al. 2014)
- "bleached"/grammaticalized **n**_{DIM} loses diminutive semantics > **n** (i.e., no LexP/nP distinction)
- "high" **n**_{DIM} (≅ SizeP of De Belder et al. 2014) can become the input to verbalization, pace Wiltschko & Steriopolo (2007), De Belder et al. (2014):
- (32) a. $[optim]_{\sqrt{-ist}}_{n-e}I_{nDIM}-n]_{V}$ 'to be optimistic, act like an optimist' optim- ist -DIM -INF
 - b. $[brauch]_{\sqrt{-tum}}_{n-el}]_{nDIM}-n]_{v}$ 'to be overly concerned with preserving use -dom -DIM -INF customs and traditions'
- n_{DIM} is then verbalized by (a particular type of) v
 - v verbalizes, but does not introduce an (external) argument, cf. Harley (2005), (2013), (2017), Alexiadou et al. (2015), Alexiadou & Lohndal (2017), Panagiotidis et al. (2017), Wood & Marantz (2017), etc.
- we formalize this as **v[ACT]**: v classifies the event as **action**; the argument merged in SpecVoiceP is an actor rather than an agent
 - Cf. Doron 2003 on the Hebrew intensive template as introducing an actor theta-role; Harley 2005 on unergative activity verbs
 - Unlike agents, actors can be animate or inanimate → unergative "verbs of internal causation" & "verbs of emission" (Levin & Rappaport Hovav 1995, Rothmayr 2009), which covers almost all of our class II (e)I-verbs, as well as the productive Albanian and Austro-Bavarian verbs of emission
- (33) Structure of unergative/iterative emission verbs: German herbst-el-n 'be Fall-like':



- This analysis explains why Albanian and German *-(er)I-*verbs are uniformly unergative activities, independent of their derivational basis: their derivational basis is always a nominal, n_{DIM} (=> nouns don't have external arguments)
- Moreover, the n_{DIM} head in (33) can be identified with the 'natural atomic function' of Rothstein (2004), who argues that semelfactives and activity predicates contain a set P_{min} that picks out the minimal events in their denotation

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- Evidence: diminutives denote the "lower boundary" of the event (basic intuition: the meaning of "small", i.e. DIM, in the verbal domain = start to / start turning into)
- (34) a. Das Wasserköchelt seit einer halben Stunde, aber es kocht einfach nicht. the water boil_{DIM,3S,PR} since one half hour but it boil_{3S,PR} just not "The water has been simmering for half an hour, but it just won't boil."
 - b. Es hat monatelang geherbstelt, aber es war nie richtig Herbst. it has for.months PTCP-Fall-DIM-3s,PR but it was never really Fall "It's been Fall-like for months, but it was never really Fall."
 - Since all semelfactives can be shifted to activity verbs, we argue that n_{DIM} marks the minimal event of 'being Fall-like' in (33), while v[ACT] denotes the set of events P containing P_{min}
 - A similar analysis holds for other languages in which verbal diminutives behave as (pluractional) activity verbs (e.g. Italian, Tovena 2010)
 - Decrease event internal pluractional verbs denote composite single events resulting from distributing the predicate on the fragments of a participant (Tovena 2007, Tovena & Kihm 2008)
- → Contra Weidhaas & Schmid (2015) and Audring et al. (2017), a "derivational" account *can* handle the apparent structural ambiguity of these verbs (i.e. root vs. verbal vs. nominal basis)

5. Summary and conclusion

- Verbal diminutives are a cross-linguistically well-attested way of deriving unergatives
- We have argued that they always contain a nominal core n_{DIM} that determines their syntactic and semantic properties
- ... suggesting that unergatives in general are denominal in the traditional sense (i.e. they contain nominal functional structure)

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