



The Use of Basque Ideophones in Motion Events

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Abstract

This paper investigates motion ideophones in Basque, a high-salient-path verb-framed language with a large repertoire of Manner-of-motion ideophones (Ibarretxe-Antuñano, 2015, 2017, 2019, 2023, 2025). Two main questions are addressed: Does the presence of Manner ideophones affect the inclusion of this component in Basque motion descriptions, and what factors influence its use? Three datasets were analysed: the *IdEus-Psylex Stimulus Kit*, the *IdEus Motion Questionnaire*, and different motion event stimuli (Frog stories, Canary Row, and novels). Results show that (i) Manner is more frequent in Basque motion events than in other verb-framed languages but less frequent than in satellite-framed languages, and (ii) motion ideophones are used across contexts regardless of sociolinguistic factors (age), diatopic variation (all Basque dialects), and discourse mode (oral, written). However, their distribution is uneven: some ideophones are widely known and used by all speakers, while others are more age- and dialect-specific.

Keywords

ideophones - motion events - Manner - Basque

1 Motion Ideophones: From Inventories to Usage

Ideophones are a characteristic feature of the Basque language. They form an open lexical word class in this language (see Ibarretxe-Antuñano, 2017, 2023,

for a detailed review). As a highly-ideophonic language, Basque also has a large inventory of motion ideophones (Ibarretxe-Antuñano, 2006). This is only natural since the category of "movement imitatives", as Hinton et al. (1994) would call it, is one of the semantic domains likely to be encoded by means of ideophones from a cross-linguistic perspective. Ibarretxe-Antuñano (2019) compiles about 453 ideophones for this domain. Based on Talmy's (1991, 2000) classification of motion event components, motion ideophones in Basque cover all types of motion information as shown in (1):

- (1) a. Figure txin-txin-txin 'jump (small insect)'
 - b. Ground kruk-kruk 'walk on snow'
 - c. Motion faia-faia 'go'
 - d. Path
 pur-pur-pur 'exit (crowd)'
 - e. Cause kluk 'stop out of tiredness'
 - f. Manner

 irrist 'slide, slid'

However, all these motion ideophones are not evenly distributed. On the one hand, some semantic categories attract more ideophones than others do. In general, the highest concentration of ideophones is found in the Manner category. In Ibarretxe-Antuñano's (2019) study of 186 motion ideophones from 16 genetically and geographically distinct languages, she finds that Manner is one of the most salient categories in the semantic classification of motion ideophones. In the case of Basque, as shown in Table 1, 97.15% out of the motion ideophone corpus encodes Manner.

Despite the usefulness of such broad semantic categorisations to facilitate an initial overview of motion ideophone information, they are not sufficient to capture, characterise, and compare motion ideophone preferences from a cross-linguistic perspective. In this study, Ibarretxe-Antuñano (2019: 156–157) also finds that encoding preferences emerge when the Manner component is

First-level component	Tokens
Motion	453 (100%)
Manner	440 (97.15%)
Event extension ¹	168 (37.08%)
Path	98 (21.63%)
Figure	63 (13.9%)
Ground	53 (11.69%)
Cause	5 (1.1%)

TABLE 1 Distribution of semantic categories in Basque motion ideophones

ADAPTED FROM IBARRETXE-ANTUÑANO (2019: 151)

further subdivided into finer semantic subcomponents, for example, motor pattern information, i.e., the body positions required to perform a movement, is the most prominent subcategory, and within this subcategory, there is a clear preference for walking ideophones (e.g., Ashéninka Perené *pitso pitso* 'a woman walking with gyrating hips'). She also finds a tendency for languages to include manner ideophones describing fast, unrestrained, irregular, noisy, abrupt motion of large bodies.

On the other hand, the existence of motion ideophones does not necessarily go hand in hand with the actual use of these elements for the characteristic description of motion events. In other words, the existence of a large inventory of motion ideophones does not necessarily mean that all of these elements are used pervasively to describe motion events in all contexts and by all speakers. That is to say, firstly, the distribution of these motion ideophones may be restricted by sociolinguistic as well as diatopic and pragmatic factors. Ideophones are generally reported to occur in informal, oral contexts, to show a high degree of dialectal variation, and to fulfil expressive functions. Second, the role of Manner in the lexicalisation of motion events is more crucial and evident for satellite-framed rather than for verb-framed language speakers. The latter are reported to omit Manner information unless it is crucial for the discourse context (Slobin, 1996, 2006).

Given this general background on the use of ideophones, several questions arise: Do these tendencies apply to Basque ideophones? Is their use different due to these sociolinguistic, linguistic, and semantic typological factors? The

¹ Event extension is an extra semantic component added in Ibarretxe-Antuñano's (2019: 148) motion grid. It covers information related to "phase" (event stage; e.g., beginning, middle, end, etc.) and "aspect" (attributes related to the event; e.g., iterative, punctual, resultative, etc.).

aim of this article is to answer these questions. To this end, data from three previous sets of studies on motion events and/or ideophones in Basque are selected and reviewed in Section 2. Dataset 1 comes from the ideophone elicitation tool *IdEus-Psylex Stimulus Kit* (see, Ibarretxe-Antuñano, 2025). Dataset 2 comes from a survey on motion ideophone use and knowledge: the *IdEus Motion Questionnaire* (Ibarretxe-Antuñano, 2016). Dataset 3 is built on previous results in the study of motion based on different stimuli for eliciting motion events (namely, Frog stories, Canary Row, and novels; see, Ibarretxe-Antuñano, 2004, 2015, 2016). Section 3 discusses these datasets in relation to the questions raised about the use and scope of ideophones for motion description in Basque. Section 4 offers some conclusions.

2 Analysis: The Use of Basque Ideophones in Three Datasets

2.1 Dataset 1: Motion Ideophones in the IdEus-Psylex Stimulus Kit

The *IdEus-Psylex Stimulus Kit* (hereafter, *IdEus-Psk*) is a collection of thirty-six short target ideophone video clips (three warm-ups) and four images designed to investigate the knowledge and use of ideophones in Basque. It is a naming task in which informants have to describe these clips and pictures. These materials were designed on the basis of three main variables:

- Meaning. Ideophones were selected from ten different semantic fields: creatures, actions (motion, communication, light, ingestion, destruction, hitting, boiling, laughing, body functions).
- Type. Entity and object ideophones were represented by means of a static picture; event ideophones, by dynamic video clips. All motion stimuli were dynamic.
- Function in language use. There were three possibilities: (i) the ideophone is the only lexical choice for encoding an event or entity (e.g. karramarro 'crab'); (ii) it is a common, well-known ideophone, although Basque has other non-ideophonic lexical items (e.g. bor-bor and irakin 'boil'), and (iii) the ideophone exists but its use is not that frequent (e.g., txir-txir and frijitu 'fry').

The *IdEus-Psk* contains twelve motion stimuli. Their characterisation is summarised in Table 2.

The procedure for this naming task is simple. In the first round, after watching each video clip twice or looking at the pictures for a few seconds, the informant has to answer the questions "What is [entity] doing?" for the videos or "What is that?" for the pictures. Their responses are taken as first answers. Since each stimulus was assigned at least one possible ideophone response (see details in Ibarretxe-Antuñano, 2025), the experimenter could ask the

TABLE 2 The IdEus-PSK

Stimulus	Meaning	Proposed ideophone	Function
o6-A-M-slide- kidı	Sliding on tobbogan	Txirrist, irrist	Only
10-A-M-roll2b	Ball rolling	Firri-farraka	Rare, Common
12-A-M-trudge2	Walk with difficulty	Tikili-takala, hinkili-hankala	Rare
15-A-M-helter- skelter	Roll down	Pinpi-punpaka, dinbilidanbalaka	Common
17-A-M-drag	Drag object	Arrast	Only, Common
21-A-M-swing- kid-1	Swinging kids	Dintzili-dantzalaka, zanbulu	Common
24-A-M-zig-zag4	Cars zig-zagging, road shape	Sigi-saga	Common
30-A-M-wade3	Walk in water	Plisti-plasta	Common
32-A-M-shuffle3	Shuffling	Kirriz-karraz, terrel-terrel	Common
35-A-M-slid	Sliding	Laprast	Common
37-A-M-spin	Windmill	Firrindola, firrintaka	Common
38-A-M-helter- skelter3	Run down helter-skelter	Tarrapatan	Common, Rare

informant to describe the stimuli further in a second round if necessary. These are considered second answers. At the end of the elicitation, there is a short think-aloud protocol session in which the experimenter asks about any aspect related to the use of ideophones in the elicitation. The sessions are videotaped. Raw responses are transcribed onto an Excel spreadsheet and later prepared for analysis on a second spreadsheet.

The *IdEus-PSK* was first tested in the field in 2009. Thirty-seven speakers participated in the study, distributed in three age groups (16–30 yrs = 17; 31–60 yrs = 12; 61–90 yrs = 8) with different schooling backgrounds. They all came from rural areas and were native speakers of four main dialects: Western Basque (wb; twelve subjects), Central Basque (cb; six subjects), Navarrese Basque (nb; twelve subjects), and Navarrese-Lapurdian Basque (nlb; seven subjects).

Table 3 shows the raw answers provided by all informants (organised in age groups) for each stimulus. Shaded slots represent non-ideophonic answers.

TABLE 3 Basque informants' raw first answers for each motion stimulus in the IdEus-PSK

code	Age	Dialect	Age Dialect slide-kidi rollzb	10-A-M- rollzb	12-A-M- trudge2	15-A-M- helter-skelter	17-A-M- drag	21-A-M- 24-A-M- swing-kid-1 zig-zag4	24-A-M- zig-zag4	30-A-M- wade3	32-A-M- shuffle3	35-A-M- slid	37-A-M- spin	38-A-M- helter- skelter3
IdEus-24	91	NB		arrast	zanpaka		arrast	tilin-talan				irriska-		
IdEus-25	91	NB	txirristra		irristatu		arrastaka zabua, tilin-tal	zabua, tilin-talan		plisti-plasta		irrist eain		
IdEus-23	17	NB					arrastaka					0		pirrinketan
IdEus-2	18	WB			laprast		arrastaka kulunka	kulunka		plisti-plasta arrastaka	rastaka	lapraste		
IdEus-22	18	NB	txirrista											
IdEus-31	21	NLB	xirrixta	pata-			errestan	dilindaka		plisti-plasta errestaka	restaka			patarran
IdEus-32	21	NLB	xirrixta	pata-			errestan	dilindaka		plisti-plasta errestaka	restaka			patarran
IdEus-5	22	WB	laprast				narras			plisti-plasta narras	xrras	laprast		
	22	NB	txirrista									irristatu		
IdEus-27	23	CB	txirrista				arrastaka			plisti-plasta		irristatu		
IdEus-29	23	NLB	xirrixta				errestan	dilin-dalan		plisti-plasta errestatu	restatu			
IdEus-30	23	NLB	xirrixta	pata-			errestan							patarran
IdEus-6	24	WB	laprast				narras		narras	nu	narres	laprast		
IdEus-20	25	NB	txirrista				arrastaka					irristatu		
IdEus-4	56	WB			laban		arrastaka			plisti-plasta		laban		
IdEus-3	27	WB	txirrist			labankada	danda-			plisti-plasta dandarez	andarez	laban		
							narras							
IdEus-1	28	WB	narres			arrapaladan narras	narras			plisti-plasta narras	urras	laprast		

Basque informants' raw first answers for each motion stimulus in the IdEus-PSK (cont.)TABLE 3

Informant		Dialect	Age Dialect slide-kid rollsh	10-A-M-	12-A-M-	15-A-M- helter-skelter	17-A-M-	21-A-M- 24-A-M-	24-A-M-	30-A-M-	32-A-M-	35-A-M-	37-A-M-	38-A-M- helter-
code							ê	0	te e	C	C		T. C.	skelter3
IdEus-26	32	CB	txirristra		irristada			balantzaka		plisti-plasta ttarraka- ttarraka	ttarraka- ttarraka	irrist eqin		
IdEus-19	43	NB	txirristra					zanbulu				irristatu		
IdEus-18	4	NB	txirristra				arrast				errenka	irristatu		
IdEus-37	48	CB	txirrista		irristaka		arrastaka	arrastaka dilindalan		plisti-plasta		irristatu		
IdEus-17	54	NB	txirristra					zanbulu				irristatu		
IdEus-35	54	NLB	xirrixta	pata- rran			errestan	dilindaka			errestaka		1	patarran
IdEus-16	26	NB	txirristra		irristatu		arrasta- kan	zanbulu				irrista		
IdEus-33	26	CB	txirrista		irristaka		arrastaka	arrastaka dilindalan		plisti-plasta		irristatu		
IdEus-36	26	CB	txirrista				arrastaka	arrastaka dilindaka						
IdEus-28	57	CB	txirrista		irristaka		arrastaka	arrastaka dilindaka				irristatu		
IdEus-7	09	WB			laprastadaka	laprastadaka labankadaka narres	narres			pitxin -patxan, plisti-plasta		laprast		
IdEus-34	09	NLB	xirrista	pantan			errestan	dilindaka		plisti-plasta errestaka	errestaka		1	patarran
IdEus-8	70	WB			labankadaka		narras, narras- taka			txiprista- dak	narraska, narras-narras	laban		
IdEus-15	74	NB	irrixtaka					zunbuluka				irristatu		

Basque informants' raw first answers for each motion stimulus in the $\mathit{IdEus\text{-PSK}}(\mathit{cont.})$ TABLE 3

Informant	1	Dialect	Age Dialect o6-A-M- 10-A-M- slide-kidı rollzb	10-A-M-rollzb	12-A-M- trudge2	15-A-M- 17-A-M- 21-A-M- 24-A-M- 30-A-M- helter-skelter drag swing-kid-1 zig-zag4 wade3	17-A-M- drag	21-A-M- swing-kid-1	24-A-M- zig-zag4	30-A-M- wade3	32-A-M- shuffle3	35-A-M- 37-A-M- slid spin	37-A-M- spin	38-A-M- helter- skelter3
IdEus-11	v 87	WB	narras	narras	labankadaka	narras labankadaka labankadaka narras	narras			plastadaka narras	narras	laban	girrintzi	
IdEus-14 78	28	NB	txirristra				ttatta- rrakan	mutx				irristatu		
IdEus-13	98	NB	txirristra, dzia		irristaka		arrastaka	arrastaka zanbuluka				irristatu bzbzbz	zqzqzq	
IdEus-10	88	WB	narras	narras	narras laprastadaka narras	narras	narras			klas-klas, plasta -plasta	klas-klas, arrastaka, plasta narras -plasta	laprast		taka-taka
IdEus-12	89	NB	irristatu		arrauka		arrastaka	arrastaka zanbuluka			irrist			
IdEus-9	06	WB			laban		narras			plistin -plastan	narraz, zirrin-zarran	laban		

Data in Table 3 reveal several trends in the use of motion ideophones in Basque. First, all informants, regardless of their sociolinguistic or dialectal background, used ideophones in their first responses. There was a qualitative difference between older informants and younger informants. The former used a higher number of items that were classified as rare ideophones. For example, stimulus 37 hardly elicited an ideophonic response. Only one of the older informants, IdEus-11, offers the ideophone *girrintzi* for the air moved by a spinning wind-mill. In the think-aloud protocol, the informant explained that this ideophone was used to describe the movement of old mills.

Secondly, the degree of agreement between informants when giving an ideophone response varies. Table 4 organises the data from the previous table according to the number of informants who gave ideophone answers (column 4), and the ideophones and their frequency (column 5).

Table 4 shows that the variation in responses seems to depend on two factors. One is the type of stimulus: ideophones that were categorised as the only option and common were those that attracted more ideophone responses. For example, most of the informants (more than 81%) gave ideophones for stimuli 6, 17, and 35. The other is dialect variation: informants used their dialect form for the ideophone. For instance, stimulus 30 (wade) and stimulus 35 (slid), elicited different diatopic responses covering similar meanings as shown in their respective dialectal maps in Figures 1 and 2.

2.2 Dataset 2: Motion Ideophones in the IdEus Motion Questionnaire

The *IdEus Motion Questionnaire* (hereafter, *IdEus-MotQuest*) is a survey that investigates the knowledge and use of Basque motion ideophones. It is designed to elicit responses about native speakers' perceptions of their active and passive knowledge of ideophones as well as their self-perceived oral and written use. To this end, the questionnaire contains five yes-no questions, as shown in (2).

- (2) a. Do you know this ideophone?
 - b. Have you ever seen/heard this ideophone ...

... in writing? ... when talking?

c. Have you ever used this ideophone ...

... in writing?
... when talking?

The questionnaire compiles 834 motion ideophones extracted from Ibarretxe-Antuñano's (2006) study. This list includes not only semantically distinct

TABLE 4 Basque ideophones elicited in each stimulus

Stimulus	Meaning	Function	# Informants	Type/token (some infor. +1)
06-A-M-slide- kidı	Sliding on tobbogan	Only	30	(t)xirri(s/x)t(r)a 22, narr(a/e)s 3, $laprast2, irristaka 1, txirrist 1,dzia$ 1, $irristatu$ 1
10-A-M-roll2b	Ball rolling	Rare, Common	8	patarran 4, narras 2, arrast 1, pantan 1
12-A-M-trudge2	Walk with difficulty	Rare	16	irristaka 4, irristatu 2, laban 2, laprastadaka 2, labankadaka 2, zanpaka 1, laprast 1, arrauka 1, irristada 1
15-A-M-helter- skelter	Roll down	Common	5	arrapaladan 1, laban 3, narras 1
17-A-M-drag	Drag object	Only, Common	31	arrastaka 11, narr(a/e)s 9, errestan 6, arrast 4, dandarrez 1, tta- ttarrakan 1
21-A-M-swing- kid-1	Swinging kids	Common	20	dilindaka 6, dilin -dalan 3, zanbulu 3, tilin-talan 2, zanbuluka 3, kulunka 1, zabu 1, balantzaka 1, mutx 1
24-A-M-zig-zag4	Cars zig-zag, road shape	Common	1	narras 1
30-A-M-wade3	Walk in water	Common	19	plisti-plasta 15, pitxin-patxan 1, txipris- tadak 1, plistin -plastan 1, plasta -plasta 2, klas-klas 1

girrintzi 1, bzbzbz 1

1, taka-taka 1

patarran 5, pirrinketan

Stimulus	Meaning	Function	# Informants	Type/token (some infor. +1)
32-A-M-shuffle3	Shuffling	Common	17	errestaka 4, narr(a/e)s 7, arrast 2, narras- narras 1, dandarrez 1, zirrin-zarran 1, irrist 1, errenka 1, errestatu 1, ttarraka-ttarraka 1
35-A-M-slid	Sliding	Common	27	irristatu 12, laprast 6, laban 5, irrist egin 2, irrista 1, irriskadatu 1

TABLE 4 Basque ideophones elicited in each stimulus (cont.)

Windmill Common

Common,

Rare

7

Run

down

helterskelter

37-A-M-spin

skelter3

38-A-M-helter-

ideophones (e.g., dingili-dangala 'swinging, swaying' vs. firi-firi 'spin, roll when thrown in the air'), but also their standard and dialectal variants, which are treated as separate items in the survey (e.g., nine variants of dindili-dangala: dingili, dindili, dindilizka, dingilizka, dingilin-dangalan, dingili-dongolan, dingilikatu, dingiliztu, dintzili-dantzalaka). These variations are included to test both the prevalence of diatopic preferences and the effect of standardisation in the use of Basque ideophones.

As far as the procedure is concerned, the questionnaire is distributed on paper or electronically. Informants have to answer yes or no to each item. They are not allowed to use any aids such as dictionaries to complete the survey. There is no time limit for completion, which takes about half an hour. After completing the questions, the experimenter collects the answers on an Excel sheet.

The *IdEus-MotQuest* was tested in the field in 2009 and 2016. Six speakers took part in the study. They belong to the same age group (16–30 yrs = 22.5 yrs) and were all university students. They all came from rural areas, were educated (Standard) Basque and were native speakers of two main dialects: Western Basque (four subjects), and Central Basque (two subjects).

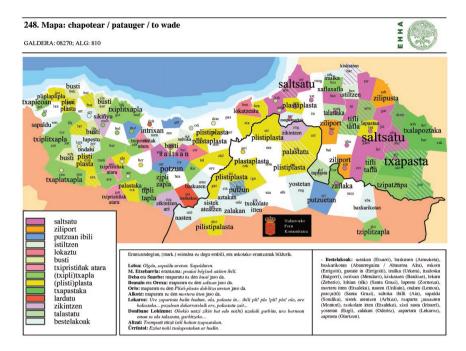


FIGURE 1 Wade across Basque dialects (Euskaltzaindia 2005–2008, EHHA, p. 441, map 248)
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Table 5 summarises the quantitative results of the survey. In general, these figures show that the knowledge and use of ideophones varies considerably between individuals, from around one hundred (informant 1) to less than twenty (informants 6 and 4). In terms of oral or written mode, these scalar differences are maintained, but all speakers agree that they have heard or used more ideophones in the oral mode than in the written mode.

Given these quantitative differences, the next step is to analyse these results from a qualitative perspective in order to see if there is any agreement in the ideophones known by the speakers. Table 6 shows the ideophones agreed upon by at least four speakers in the first question.

Data in Table 6 show that there is a group of ideophones that are known by (almost) all speakers in all contexts such as *irrist* (*egin*) 'slipping, sliding', *tipitapa* 'pitter-patter', *zalapartaka* 'move violently; helter-skelter' or *mara-mara* 'soft, gentle movement'. The knowledge and use of some ideophone variants seem to be favoured by the normativisation of the language. Standard Basque ideophones are learned at school and these seem to be the most common and preferred choices.

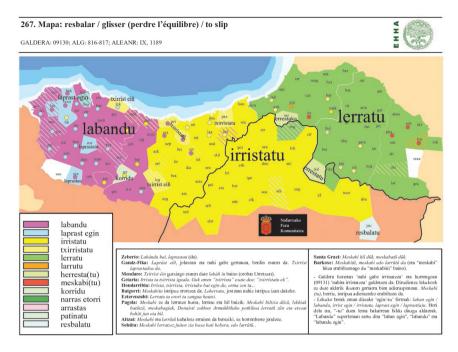


FIGURE 2 Slid across Basque dialects (Euskaltzaindia 2005–2008, EHHA, p. 477, map 267)
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TABLE 5 Quantitative results from the *IdEus-MotQuest*

Informant code	Known	Seen- written	Heard- spoken	Used- written	Used- spoken
MotQuest-1	131	90	115	62	84
MotQuest-2	55	36	52	31	40
MotQuest-3	39	30	28	14	26
MotQuest-4	17	18	22	2	15
MotQuest-5	27	7	19	5	8
MotQuest-6	14	3	11	2	4
Mean values per category	33.0	24.0	25.0	9.5	20.5

2.3 Dataset 3: Motion Ideophones in Motion Event Studies

The encoding and conceptualisation of motion events has been studied using a wide variety of well-known stimuli such as the frog stories (Berman and

 TABLE 6
 Qualitative results from the IdEus-MotQuest

Code	Ideophone	Known	Seen- written	Heard- spoken	Used- written	Used- spoken
271.	irrist 'slipping, sliding'	6	6	6	6	5
272.	irrist egin 'slid, slide'	6	6	6	6	5
381.	ozta-ozta 'walk with great difficulty'	6	6	6	5	3
52 0.	tipi-tapa 'pitter-patter'	6	5	6	5	6
735.	zalapartaka 'move violently;	6	5	6	5	4
01.4	helter-skelter' kilin-kolon 'rock'	6		6	0	4
314.	krak 'disappear	6	4	6	2	4 6
344.	suddenly; stop suddenly'	0	3	0	3	O
131.	dilin-dalan 'swinging'	6	3	6	1	6
30.	arrapaladan 'running'	6	3	6	3	4
24.	apapa 'toddle over here'	6	Ο	6	О	6
26.	apatx egin 'sit down'	6	О	6	О	5
309.	kili-kolo 'wobbling'	6	4	5	3	4
1.	bor-bor 'gushing, spurting'	6	4	5	1	2
55.	bilin-balan 'tumbling, toppling, turning over'	6	3	4	О	4
275.	<i>irristatu</i> 'slide, slid, glide'	5	5	5	5	4
522.	<i>tirabira</i> 'somersault toll, tumble'	5	5	5	5	4
463.	talka egin 'bump into, knock against, run into'	5	5	5	3	3
363.	laprast egin 'slip, slide'	5	5	5	2	3
362.	laprast 'slip, slide'	5	5	5	2	2
120.	dar-dar 'trembling'	5	4	5	3	5
121.	dar-dar egin 'tremble'	5	4	5	3	5
830.	zirt eta zart 'move to and fro'	5	4	5	2	4
650.	txilipurdika 'somersault'	5	4	5	2	3

TABLE 6 Qualitative results from the *IdEus-MotQuest* (cont.)

Code	Ideophone	Known	Seen- written	Heard- spoken	Used- written	Used- spoken
526.	tirriki-tarraka ʻlagging, straggling	5	4	5	2	2
434.	<i>plisti-plasta</i> 'splish-splash, wade'	5	3	5	3	5
604.	ttipi-ttapa 'walk step by step'	5	3	5	0	5
333.	klak egin 'unstuck'	5	3	5	2	4
665.	<i>txipli-txapla</i> 'splish-splash'	5	3	5	2	4
527.	tirriki-tarraka ibili 'be dragging one's feet'	5	3	5	1	3
170.	dzast 'throw something and put it into an open- ing or corner'	5	1	5	Ο	3
67.	binbili-bonbolo 'rocking'	5	О	5	1	1
504.	tilin-tilin 'swinging'	5	4	4	3	5
321.	<i>kiribildu</i> 'coil up'	5	4	4	3	4
352.	kulunkatu 'swing, rock'	5	4	4	3	4
162.	dzanga 'dive'	5	4	4	2	3
163.	dzanga egin 'dive'	5	4	4	2	3
502.	<i>tilin-talan</i> 'walk aimlessly'	5	3	4	3	4
341.	koloka 'staggering'	5	2	4	2	3
178.	dzist-dzast 'plodding along'	5	2	4	0	1
289.	<i>jiraka-biraka</i> 'spinning, twirling'	5	4	3	2	2
73.	bira-biraka 'swinging, twirling'	5	2	3	2	2
367.	mara-mara 'soft, gentle movement'	4	4	4	4	4
732.	zalantzan ibili 'swing, sway, rock'	4	4	4	4	3
462.	talka 'bump'	4	4	4	3	3

TABLE 6 Qualitative results from the *IdEus-MotQuest* (cont.)

Code	Ideophone	Known	Seen- written	Heard- spoken	Used- written	Used- spoken
346.	kriskiti-kraskata 'tumble'	4	4	4	1	1
498.	<i>tiki-taka</i> 'one step at time'	4	3	4	3	4
134.	dinbili-danbala 'stag- gering movement, swinging'	4	3	4	3	3
649.	txilipurdi 'somersault'	4	3	4	2	3
670.	txirrist 'slide, slipping'	4	3	4	2	3
671.	<i>txirrist egin</i> 'slip, slide, glide'	4	3	4	2	3
449.	sast 'whoosh, insert'	4	3	4	1	2
199.	firi-faran ibili 'walk to and fro aimlessly'	4	3	4	1	1
640.	txapla-txapla 'splish- splash, walking bare- foot on the water'	4	1	4	Ο	2
568.	triki-traka 'walk slowly'	4		4		2
72.	bira egin 'turn'	4	3	2	2	2
619.	tupust egin 'run into'	4	3	2	2	1
737.	zaldika-maldika 'ride'	4	2	2	1	2
172.	dzat egin 'not to bounce as a result of hitting the angle (of balls)'	4	Ο	2	Ο	1

Slobin, 1994), the Canary Row cartoon (McNeill, 1992), and narrative events in novels (Slobin, 1996), to name just three of the most popular. The procedure² in these tasks is as follows. In the frog stories, the informant has to describe what happens after looking at the picture book, which tells the story of a boy who, accompanied by his dog, searches for his lost frog in the forest. In the Canary Row, the informant has to describe what happens in the cartoon immediately after having seen it (all together or divided into eight parts). In

² Since these are well-known tools and for the sake of brevity, only basic procedure is described. The interested reader can consult the references for more detailed information.

the novels, twenty motion events are chosen at random by opening the book in different parts.

All of these stimuli were used to the study of Basque motion events. The frog stories were first collected in the field in 2003 (12 adult speakers) and later, together with the Canary Row data, from 2015 to 2019 (21 children, longitudinal data from age 3 to 7). For the narrative events in novels, four contemporary novels from well-known contemporary Basque writers were selected (80 motion events). Results from these elicitation tools have shown that Basque can be classified as a verb-framed language since Path is generally encoded in the main verb and Manner outside (Ibarretxe-Antuñano, 2004). However, it has also been shown that Basque is also a high-salient-path language with a preference for elaborate and detailed path descriptions (Ibarretxe-Antuñano, 2009), and despite being a verb-framed language; Manner is mentioned more often than in other V-languages (Ibarretxe-Antuñano, 2015, 2016).

Regarding the role of ideophones, these studies have shown that motion ideophones are used in both oral and written narratives. This means that the use of ideophones is not limited by the mode of communication as the examples in (3) and (4) illustrate.

(3) Adult oral narrative (Frog story) [B20e] (taken from Ibarretxe-Antuñano, 2015: 323)

Aoztarrek	hartu	dau	txakurra	gainean	eta
aoztar.ERG	take.pfv	AUX.3SG	dog.ABS	top.LOC	and
plisti plasta,	plisti plasta,	urten	dira	errekatik	
IDPH	IDPH	exit.pfv	AUX.3PL	river.ABL	

'Aoztar [the boy] takes the dog on his shoulders and they waded out of the river'

(4) Written narrative [20C#1] (taken from Ibarretxe-Antuñano, 2015: 324)

Tirriki-tarrakasartugaraInterstate80k0IDPHenter.PFVAUX.1PLinterstate80.ADNtrafikoarensugeamaigabeantraffic.GENsnakeneverending.LOC

'We pulled onto the Interstate 80, but traffic was backed-up so we creepedalong.'

Table 7 compiles the list of ideophones together with their place of lexicalisation (verb / outside) and syntactic role (verbal, adjectival, adverbial, interjection) in the motion event in the adult frog stories and novels. Note that manner

TABLE 7 Motion ideophones in frog stories (adults) and novels (adapted from Ibarretxe-Antuñano, 2015: 327)

Ideophone	Frog stories (F) / Novels (N)	Lexicalisation (function)	Manner information
arrapaladan 'very quickly'	F	outside (adverbial)	rate
arrastaka 'dragging'	F	outside (adverbial)	forced motion
biriboraka ʻrolling'	F	outside (adverbial)	smooth motion
brau 'suddenly'	F	outside (interjection)	rate
dindilako 'hanged'	F	outside (adjectival)	posture
dindilizka, dilinda 'hanging'	F	outside (adverbial)	posture
draz draz 'shuffle'	N	outside (adverbial)	motor pattern
dzanga 'dive'	F	verb	motor pattern
dzanga egin 'dive'	N	verb	motor pattern
<i>irrist egin</i> 'slid, slide'	F / N	verb	smooth motion
kuskur-kuskur 'crouched'	F	outside (adverbial)	posture
plisti-plasta 'wade'	F	outside (adverbial)	motor pattern
ras! 'suddenly'	F	outside (interjection)	rate
rostean 'quickly'	F	outside (adverbial)	rate
taka taka 'walk with small and short steps, creep, crawl'	F	outside (adverbial)	motor pattern
tipi tapa 'walk in small steps'	N	outside (adverbial)	motor pattern
tirriki-tarraka 'lagging, straggling, dragging'	N	outside (adverbial)	forced motion

Ideophone	Frog stories (F) / Novels (N)	Lexicalisation (function)	Manner information
trostan 'trotting'	N	outside (adverbial)	motor pattern
ttaka ttaka 'walk with small and short steps, creep, crawl'	N	outside (adverbial)	motor pattern
zanpa 'crash, bang'	N	outside (interjection)	forced motion
zas! 'suddenly'	F	outside (interjection)	rate
ziztu (bizian) 'fast'	F	outside (adverbial)	rate

TABLE 7 Motion ideophones in frog stories (adults) and novels (adapted from Ibarretxe-Antuñano, 2015: 327) (cont.)

ideophones mainly encode detailed information about motor pattern information (walking), smooth motion, forced motion, posture, and rate.

As mentioned above, Basque is a verb-framed language and as such, the description of Manner tends to be less frequent and less detailed than in satellite-framed languages unless required by the discourse context (Slobin, 1997: 455; Özçalışkan and Slobin, 2003: 264). Although it is true that Manner is less salient and pervasive than Path, a comparison of the use of Manner in the frog stories in Basque and in four languages reveals a different, unexpected, pattern as shown in Figure 3.

Figure 3 reveals that Basque is somewhere in the middle with regard to the encoding of Manner information. As expected, Basque Manner does not reach the level of description found for German, a satellite-framed and high-manner salient language. However, the description of Manner is statistically different from that in the three Romance verb-framed, and hence, low-manner-salient languages: French (p =.016), Italian (p =.027), and Spanish (p =.069) (see, Hijazo-Gascón, 2021 for detailed information). Its different position along the cline of Manner salience may be due to the existence of Manner ideophones in Basque.

Finally, another important finding in these motion event studies is the presence of ideophones in both adult and young speakers. Examples (5) and

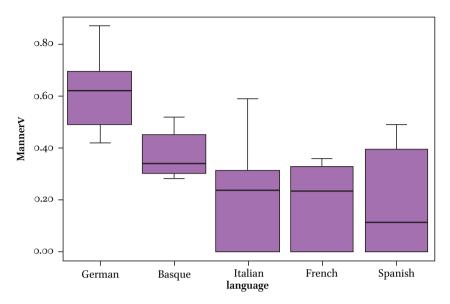


FIGURE 3 Manner information in the frog stories in five languages



FIGURE 4 The *txipi-txapa* ideophone and its gestural encoding

(6) are produced by young speakers. Example (5) corresponds to the same scene from the frog stories elicitation tool described by an adult speaker in example (4). On this occasion, the young speaker chooses the ideophone *txipi-txapa*, which has a similar meaning to that of the adult *plisti-plasta* 'wade'. Figure 4 captures the moment when the child narrates what the boy is doing. The gesture

represents the walking movement contained in the *txipi-txapa* ideophone. The ideophone *tipi-tapa* 'walk in small steps' in (6) describes one of the scenes in the Canary Row when the cat Sylvester runs after the bird Tweety.

- (5) Frog story. Young speaker 03;05 [BQ-SP-HH3-z1]. R=researcher; I=informant
 - R. eta hori zer da? aber kontaidazu and that what is so tell.3sg.1sg.2sg 'and what's that? Tell me'
 - I. txipi-txapa

 IDPH
 'wade'
 - R. txipli-txapla egingo du?

 IDPH make.FUT AUX.3SG

 '[The boy] will wade?'
 - I. bai 'yes'
 - R. oso ondo 'very good'
- (6) Canary row. Young speaker 04;10 [BQ-SP-HH4-01]

 Eta, eta, eta, joan zen, joan zen tipitapa

 and, and, and go AUX.3SG.PT go AUX.3SG. IDPH

 PT

tipi-tapa txoria hartzera baina ... IPDH bird.ABS take.нАВ. but ALL

'And, and [the cat] went, went *tipi-tapa tipi-tapa* [walking in small steps] to catch the bird, but ...'

3 Discussion

The main aim of this paper has been to answer to two main questions about the possible impact of a rich repertoire of Manner of motion ideophones on the lexicalisation of motion events in this Basque. This language is classified as a verb-framed language according to Talmy's lexicalisation patterns. In this type of language, Manner is usually encoded outside the verb and, based on Slobin's Thinking for Speaking hypothesis, is only mentioned in a motion event description when it is relevant to the context. Slobin also suggests that the more linguistic resources a language has for encoding a semantic component, the more likely it is that speakers will pay attention to that specific information in the online processing. More specifically, if a language has rich resources for describing Manner, its speakers will pay attention to Manner of motion when thinking and talking about motion events. Since the ideophonic lexicon of Manner in Basque is very large and expressive, it follows that Basque speakers will pay attention to this semantic component.

Results from the three datasets revised in Section 2 suggest that, as far as the first question is concerned, i.e., whether the presence of Manner ideophones has an impact on the inclusion of Manner in Basque motion descriptions, Basque speakers tend to describe Manner more often than speakers of other verb-framed languages, but less often than speakers of satellite-framed languages, as shown in the frog story contrastive data (Section 2.3). Naming tasks such as those described in Section 2.1 also suggest that speakers, when confronted with motion clips representing different types of motion, will generally choose an ideophone provided that this ideophone is either the only or the most common encoding strategy for such a motion event. Finally, despite the large repertoire of Manner of motion ideophones in Basque, data suggest that only a relatively small proportion of these ideophones belongs to the regular daily resources that these speakers use to encode motion. This last result should be tested in more detail in future studies given the small number of participants in the study reported in Section 2.2.

With regard to the second question, i.e., whether the use of these ideophones is restricted by sociolinguistic, linguistic, and semantic typological factors, there are several possible answers. As far as sociolinguistic factors are concerned, results from the three datasets suggest that ideophones are used by speakers of all ages, dialects and origins, as well as in oral and written modes of communication. Therefore, such limitations do not seem to be due to these factors. However, datasets 1 and 2 also show that there is a qualitative difference in the type of ideophones that speakers know and use. On the one hand, as mentioned above, only a small proportion of ideophones appear in all datasets. This may be due to the nature of tasks administered.

On the other hand, older speakers seem to be aware of a greater variety of ideophones than younger speakers. It is not clear why this might be the case, but the literacy factors are bound to play a role in this qualitative difference.

Older speakers were generally illiterate in Basque, whereas younger speakers were educated in Standard Basque. Until very recently, and despite traditional grammatical descriptions of the language (Azkue, 1923–1925; Urtel, 1919; Zamarripa, 1913; see also, Trask, 1997), ideophones have been a marginal element in both descriptive and pedagogical Standard Basque grammars (de Rijk, 2008; Euskaltzaindia, 1985–2011; Hualde and Ortiz de Urbina, 2003; Zubiri and Zubiri, 1995). In teaching, they have been introduced as 'onomatopoeia' but with the connotation that they are only "imitations" of animal sounds—recalling the Saussurian idea that they are not an integral part of language—and only as lexical items for advanced vocabulary learning. This has led to a general identification of ideophones with rural and elderly speakers of non-standard varieties, and therefore, an element to be avoided in Standard Basque. This biased perspective is also due to the unfortunately common tendency in mainstream linguistics to study languages not from within the language itself, but from a general linguistic theory; a theory based on a small number of majority languages that do not cover the linguistic typological diversity of the world (Henrich et al., 2010; Kirk, 2023; Ngué Um, 2020). Ideophones are a clear example of this exclusion (Dingemanse, 2018).

4 Conclusions

All languages include ideophonic elements in their lexical inventories. All languages contain direct imitations of sounds such as English *splash* or *zigzag*, but not all have large ideophonic vocabularies or ideophones for crossmodal depictions such as Japanese *ira-ira* 'irritated, impatient, agitated, frustrated' or Bini *lìkpàlìkpà* 'very rough'. The type of ideophone discussed in this article, namely motion ideophones, occurs across languages (Ibarretxe-Antuñano, 2019), but again the cross-linguistic difference lies in the number and specificity of motion ideophones that languages possess. Consequently, researchers interested in describing motion events in one particular language or cross-linguistically cannot avoid examining what ideophones and how many exist in their target languages and what kind of information they provide. Basque is a highly-ideophonic language with a large inventory of motion ideophones. However, the crucial question posed in this article is not related to the quantity or the quality of motion ideophones, but to their actual use in the language.

In this article, this question has been tested on the basis of three motion datasets that combine different types of elicitation tools (naming tasks, questionnaires, static images, video-clips, narrative texts) and procedures (oral,

written), and that have been tested on groups of Basque speakers with different diatopic variation (standard, all main varieties) and sociolinguistic backgrounds (young-adult; rural-urban; schooling). Results have shown that all types of speakers in all datasets have used ideophones to describe motion events. In other words, motion ideophones do play a role in motion events in Basque. However, this general result needs to be further explained. The knowledge and use of these ideophones by Basque speakers is not evenly distributed: one group of ideophones seems to be known and used by all speakers (plisti-plasta 'wade'), whereas some other ideophones are more limited and depend on age and dialect (*girrintzi* 'air moved by a spinning windmill'). In terms of Talmy's lexicalisation patterns, Basque is known to be a high-salient-path verb-framed language (Ibarretxe-Antuñano, 2009). For Manner, this component is not as salient as in satellite-framed languages, but it is still more frequent than in verb-framed motion descriptions. As noted for other highly-ideophonic languages such as Japanese (Sugiyama, 2005; Akita, 2017; Matsumoto, 2025), Emai (Schaefer, 2001), Teko (Rose, 2024) or Chinese (Van Hoey, 2025), among many others, the presence of a rich articulated manner of motion ideophone lexicon could be a plausible explanation for this higher preference to mention Manner in motion descriptions. These findings do not contradict general tendencies in Talmy's lexicalisation patterns or Slobin's Thinking for Speaking hypothesis, but simply point to the need for clines in the salience of semantic components and the influence of linguistic resources in the conceptualisation of a semantic domain such as motion.

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