

ICONICITY ATLAS



Project

An interactive multi-lingual comparative dictionary of iconic
(imitative, onomatopoeic, sound symbolic) words

Universal vs. Language Specific: Iconicity across Languages



Natalia Noland

Houston Community College
natalia.noland@hccs.edu

Maria Flaksman

*St. Petersburg State
Electrotechnical
University 'LETI'*
mariaflax@gmail.com

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Iconicity seems to be an inherent quality of any human language existing on this planet.

However....

Iconic words do not show 100% similarity across languages, and this creates reasonable doubts about the universality of sound symbolic and onomatopoeic words.

Rus.

xpум-xпум (hrum-hrum)

гав-гав (gav-gav)

шуршатъ (shurshati)

Viet. *giòn, cùi chào,
tiếng xào xạt*

Eng.

crunch

bow-wow

rustle

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The major factors contributing to the seeming dissimilarity of imitative words are:

- 1) the difference in phonemic inventories and phonotactic rules of the languages;
- 2) the multiple-choice motivation and nomination laws;
- 3) different stages of de-iconization of iconic words.

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The idea of the project

THE METHOD OF PHONOSEMANTIC ANALYSIS (S.V. Voronin , 1982)

I. Semantics

II. Special iconic traits (excessive expressivity, hyper-variability, reduplication, iconic ablaut, metathesis etc.)

III. Etymology

IV. Typology

V. Search of nomination motif

VI Summa summarum



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Pilot Study 2015

Flaksman, M., Noland, N. (2015): Iconicity Atlas Project: Approaching typological comparison of word's imitative lexicons. In: Proceedings of the XLIV International Linguistic Conference. University of St. Petersburg, March 10-15, 2015. P. 111-112.

The questionnaire contained 15 concepts:

SNORT/SNORE

YAWN

SNEEZE

CHOKE

LICK

WHINE

SPIT

HICCUP

SMACK

COUGH

CHAMP/MUNCH

BURP

LAUGH/GAFFAW

GRUMP

LAUGH/GIGGLE

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Example 1

Concept LICK:

Yoruba dialect – *la*

Spanish – *lamer*

Arabic – “لّعْقَى” (laaka)

Russian – *лизать* (lizati)

Vietnamese *liếm* (lim)

English – *lick*

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Example 2

Concept SNORE:

Yoruba - *hanrun*

Spanish - *roncar*

Arabic - شخير (*shakhir*)

Russian - *xпанеть* (*khrapeti*)

Mongolian - *xypxupax*

Vietnamese - *ngáy*

English - *snore*

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Web-Page structure

The screenshot shows a web browser window displaying the URL www.iconicity-atlas.com/concepts/pages/neigh.htm. The page title is "ICONIC CONCEPTS". On the left, there is a vertical sidebar with links to various sections: "Iconic Concepts", "Languages", "What is Iconicity", "How to use this Atlas", "Abbreviations", "About us", "Authors' Publications", "Our Interviewees", "Our Consultants", "News", "Contact us", "Useful Links", and "Help the Project". The main content area features a large grid of 10x10 boxes, each containing a word related to iconic concepts. The words are: BANG, BARK, BEEP, BITE, BLEAT, BLOW, BOOM, BUBBLE, BUZZ, CHEW; CHIRP, CHOKE, CHOP, CLAP, CLASH, CLICK, CLUCK, COCK-A-DOODLE, COO, COUGH; CRACK, CRASH, CREAK, CROACK, CUCKOO, DING, DROP, DRUM, FIE, FLOP; FLUSH, GAGGLE, GNAW, GOBELE, GROAN, GROWL, CURGLE, HICCUP, HISS, HIT; HOOT, HOWL, HUM, HUSH, JABBER, JERK, KISS, KNOCK, LAUGH, LICK; MEW, MOAN, MOO, MURMUR, NEIGH, OINK, FEEP, POP, PURR, QUACK; RATTLE, RIBBIT, RING, RIP, ROAR, RUB, RUMBLE, RUSTLE, SCRATCH, SCREAM; SHOUT, SHUFFLE, SIGH, SIZZLE, SLAP, SNEEZE, SNIFF, SNORE, SNORT, SPIT; SPLASH, STAMMER, STAMP, SUCK, SWALLOW, TAP, THUMP, THUNDER, TICKLE, TOOT; TREMBLE, VOMIT, VROOM, WEEP, WHEEZE, WHISPER, WHISTLE, WHOOSH, YAWN, YELP.

www.iconicity-atlas.com...

Icons at the bottom include: a calculator, Google Chrome, Microsoft Edge, Mozilla Firefox, a paint palette, a document with a gear, a PDF file, a book, a blue square with a white 'S', and navigation arrows.

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Web-Page structure

http://www.iconicity-atlas.com/concepts/pages/che_w.htm

ICONIC CONCEPTS

LANGUAGES

WHAT IS ICONICITY

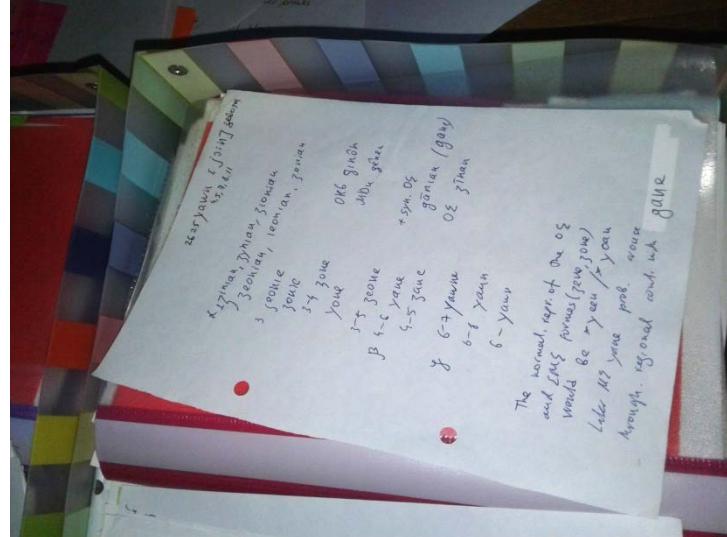
HOW TO USE THIS ATLAS

ABOUT US

NEWS

CONTACT US

HELP THE PROJECT



Dr Alice Kleeva

*Web developer and
designer*

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Principles of Data Selection and Representation

Swadesh list

Onomatopoeic Words

Instants - 6 (TAP)

Continuants – 14 (BEEP, HUSH)

Frequentatives – 2 (ROAR)

Instants-Continuants – 9 (FLOP)

Frequentatives-Instants-Continuants – 16 (RUSTLE)

+ animal sounds - 15 (MEW)

Sound Symbolic Words

Intra-kinesemisms – 34
(SNEEZE)

Extra-kinesemisms – 4
(BUBBLE)

(S.V. Voronin , 1982)

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Iconic Concepts

1. BANG	21. CRACK	42. HOWL	63. RING	84. SUCK
2. BARK	22. CRASH	43. HUM	64. RIP	85. SWALLOW
3. BEEP	23. CREAK	44. HUSH	65. ROAR	86. TAP
4. BITE	24. CROACK	45. JABBER	66. RUB	87. THUMP
5. BLEAT	25. CUCKOO	46. JERK	67. RUMBLE	88. THUNDER
6. BLOW	26. DING	47. KISS	68. RUSTLE	89. TICKLE
7. BOOM	27. DROP	48. KNOCK	69. SCRATCH	90. TOOT
8. BUBBLE	28. DRUM	49. LAUGH	70. SCREAM	91. TREMBLE
9. BUZZ	29. FIE	50. LICK	71. SHOUT	92. VOMIT
10. CHEW	30. FLOP	51. MEW	72. SHUFFLE	93. VROOM
11. CHIRP	31. FLUSH	52. MOAN	73. SIGH	94. WEEP
12. CHOKE	32. GAGGLE	53. MOO	74. SIZZLE	95. WHEEZE
13. CHOP	33. GNAW	54. MURMUR	75. SLAP	96. WHISPER
14. CLAP	34. GOBBLE	55. NEIGH	76. SNEEZE	97. WHISTLE
15. CLASH	35. GROAN	56. OINK	77. SNIFF	98. WHOOSH
16. CLICK	36. GROWL	57. PEEP	78. SNORE	99. YAWN
17. CLUCK	37. GURGLE	58. POP	79. SNORT	100. YELP
18. COCK-A-	38. HICCUP	59. PURR	80. SPIT	
DOODLE	39. HISS	60. QUACK	81. SPLASH	
19. COO	40. HIT	61. RATTLE	82. STAMMER	
20. COUGH	41. HOOT	62. RIBBIT	83. STAMP	

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Questionnaire

3. BEEP	How do you imitate a short, relatively high-pitched tone produced by a horn, electronic device, or the like as a signal, summons, or warning? How do you name such sound(s)? How do you name the action of producing such sound(s)?	<i>int.</i>	
		<i>n.</i>	
		<i>v.</i>	

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SAMPLE ENTRY

<http://www.iconicity-atlas.com/concepts/pages/chew.htm>

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SAMPLE ENTRY

- ✓ part of speech
- ✓ word
- ✓ transcription
- ✓ audio
- ✓ commentary (with dictionary reference and structural model)

iconicity-atlas.com/concepts/pages/chew.htm

Footlight MT Light | X...

CHEW

Various sounds one produces while chewing, biting upon or grinding smth. (e.g. an apple) [*]

Croatian, English, Icelandic, Polish, Russian, Slovak, Spanish

int. yak-yak-yak /jæk/ IPA: no dictionary definition
Cpal_{s/v}VC^{vel} plos

int. yum-yum /jʌm/ IPA: interjection used to express enjoyment or satisfaction, especially in the taste of food (Dict.com);
Cpal_{s/v}VC^{lab} nas

ICELANDIC

v. tyggja IPA: to chew; masticate (orðabók.is)

POLISH

n. żucie IPA: chewing (PONS)

n. przeżuwanie IPA: mastication (PONS)

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Universal vs. Language Specific

I. The difference in phonemic inventories and phonotactic rules of the languages

- ✓ different inventories
- ✓ allowed sound combinations and syllable structure (phonotactics)
- ✓ length of vowels and consonants
- ✓ tone



Universal vs. Language Specific

II. The multiple-choice motivation and nomination laws

More than one motif (comprising more than one salient feature of one and the same referent) may serve as basis for coining more than one sign naming one and the same referent (Voronin 2005: 73)

- E. *spit*, Sp. *escupir*, Arab. *basq*, Mongol. *nulimah*, Yoruba *tu ito*, Viet. *khạc nhổ*, Russ. *plevat'* [pljɪ'vatj], *kharcat'* ['xarkətj].

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Concept **CHEW** (4 motifs of nomination)

1. Engl. *om-nom-nom, yum-yum*; Cro. *njam, njam-njam*; Rus. *ням ням (njam-njam)*; Sp. *ñam ñam*, Viet. *nhai, nhai nhóp nhép, nhǎm nháp*
2. Engl. *cham/champ/ chomp, munch*; Sp. *masticar*
3. Engl. *chew/chaw*; Cro. *zvakati*, Slo. *zut'zuvat'*; Rus. *чавкать, жевать*; Pol. *żuć, przeżuwać*, Ice. *Tyggja* (Proto I-E base *ǵyewh- dorsal palatal voiced *ǵ, labial w and h₁ neutral laryngeal)
4. Engl. *crunch*, Slovak *chrum, chramst, hrýzt'*, Rus *хрумкать (khrumkati)*



III. Different stages of de-iconization of iconic words

De-iconization is the gradual loss of iconicity caused by parallel acting of regular sound changes and regular sense development of the word (Flaksman 2015)

Method of diachronic evaluation of iconic lexicon

(Flaksman 2015)

- establishing the regular sound changes a word has undergone and whether these sound changes were phonosemantically significant;
- establishing semantic shifts the word has undergone and whether it still retains its original (sound-related) meaning;
- establishing the word's degree of phonetic, morphological, and syntactic integration

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Stages of de-iconization

	SD-1	SD-2	SD-3a	SD-3b	SD-4
integration	-	+	+	+	+
phonosemantically significant regular sound changes	-	-	+	-	+
considerable semantic shifts	-	-	-	+	+

Examples: SD-1 *bzz! zzz!* *tlok-tlok*; SD-2 *buzz*, *screech*; SD-3a *laugh*, SD-3b *cliché*; SD-4 *gargoyle*, *butter*

**Only words on the same de-iconization stage
can be adequately compared!**

Russ. *hohotat'*
[xəxə'tatj] (SD-2)

E. *laugh* [la:f] (SD-3)
OE *hlehhan* (SD-2).

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Conclusions

Even though each language is specific, the processes and laws that govern iconic coinage seem universal.



Iconicity Atlas shows the underlying universality of iconic coinage despite the difficulties created both on synchronic and diachronic levels of languages' existence.

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Take part in the project

<http://www.iconicity-atlas.com/menu/help.htm>

Acknowledgements

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- | | |
|-----------------------|-----------------|
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**THANK YOU
FOR YOUR ATTENTION!**

