





- Data & method
- Summary of previous analysis
 - verbal encoding
 - gestural encoding
- · Gestural and verbal density
 - set-up
 - results
- Discussion



- guided elicited descriptions based on 5 pictures from a children's book
- analysis of locative verbs, also in relation to the construction used, discourse factors
- inter-Germanic differences (En./Du./Sw.);
 French-Gmc; co-verbal gestures L1 & L2

Data & method

- SUBJECTS:
 - 12 subjects per language;
 - 22 for Dutch L2 (3 proficiency levels)
 - gesture data: 11 Du-L1; 9 Du-L2 (3 per level)
- Video-taped, transcribed & coded (ELAN; quantitative analysis in Excel)
- Data set largely restricted to locative events (sentences describing the location of entities)













- 1. Referential gestures:
 - locative (pointing to location in gesture space)
 - directional (indicating direction)
- 2. Representational (a.k.a. 'iconic'):
 - shape & size, enactment, locative relations (e.g. "between"-gesture)
- 3. Pagmatic gestures:
 - discursive, meta-linguistic (epistemic)















• Repeated gestures:

 L2: "gestural stuttering" = repeated gestures (either identical or with minor variations), typically aligned with verbal 'stuttering', hesitations or repetitions

- L1: repetition of gestures does occur, but mostly this is to confirm a given lexical or gestural choice
- => gestural fluency a good indicator of linguistic fluency (cf. Gullberg 2009; Kida, 2005; Taranger & Coupier, 1984)



Onomasiological perspective

• Research question:

How intensively are the linguistic and gestural tools mobilised to express a given spatial configuration?

 This represents in fact an onomasiological perspective, i.e. how is a given reality encoded (vs. the semasiological perspective of our previous studies)









- · Referential density:
 - how often is a configuration referred to (verbally / gesturally)
- · Encoding density:
 - how many lexical items / gestures are used for a configuration?
- Discursive (syntactic) density:
 - how many clauses are used (on average) per configuration









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	Linguisti c reference	Gestural reference	N gestures	N gestures (PRAGM)	N gestures (REPR)	N gestures (REF)
DUL1	10	2	2	1	1	0
DUL2	10	10	53	25	19	9
			A Contraction			2

	Linguisti c reference	Gestural reference	N gestures	N gestures (PRAGM)	N gestures (REPR)	N gestures (REF)
DUL1	7	1	1	1	0	0
DUL2	5	16	16	3	10	3
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Conclusions

- · Referential density
 - Prominent configurations
 - Verbally
 - Gesturally
- · Gestural density
 - L2 (for some configurations)
 - -// verbal density
 - // previous results: learners more tied to the described reality as part of compensation strategies

