

Variation and the dynamics of understanding in context

Rita Temmerman – Vrije Universiteit Brussel

Workshop on Terminological Variation Stiftung Universität Hildesheim 20 – 21 July 2017



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The multilingual perspective

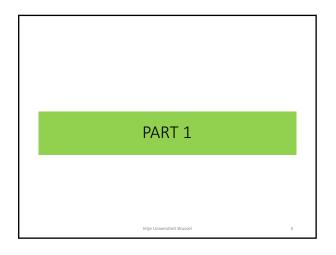
PART 1: Terminological variation in multilingual culture-bound and embodied understanding

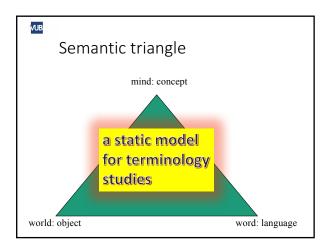
(Temmerman & Van Campenhoudt 2014; Temmerman & Dubois 2017)

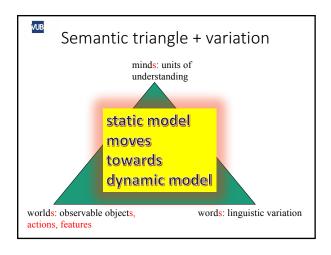
PART 2: Terminological variation in source texts and translations

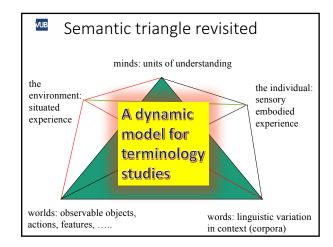
(Kerremans 2014)

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Linguistic understanding

'You shall know a word by the company it keeps' (Firth 1957:11)

(the syntagmatic aspect of understanding that can be studied in corpora)

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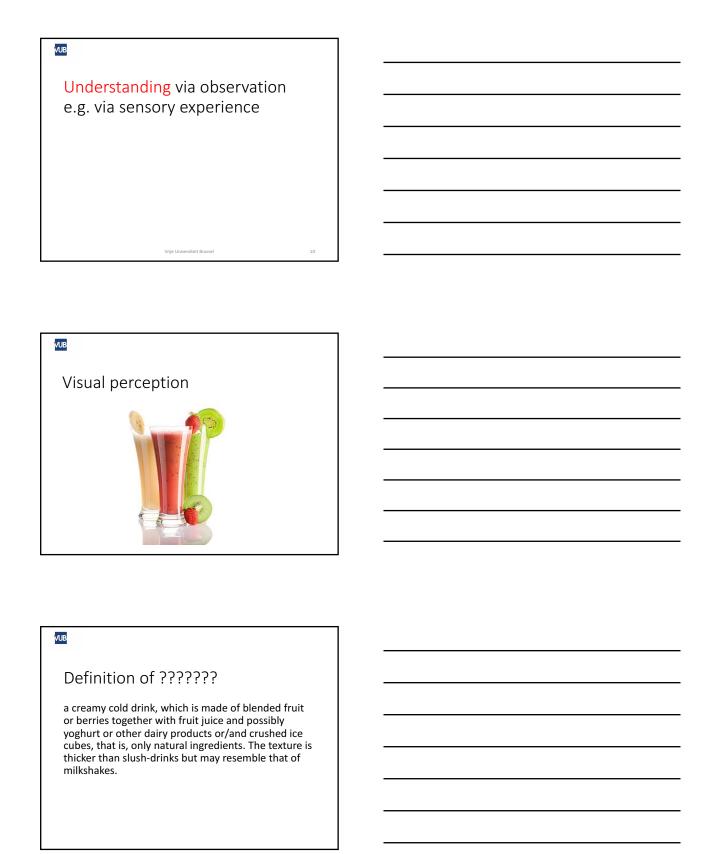


Understanding via categorisation in the mind

Wittgenstein (1953) argued that the referents (exemplars) of a word need not have common elements to be understood and used in the normal functioning of language. A family resemblance might be what links the various referents of a word.

Each item has at least one, and probably several, elements (features) in common with one or more items, but no, or few, elements are common to all items (Rosch and Mervis 1975: 574-575)

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Definition of smoothie

Smoothie (from English smooth (tender, creamy) is a creamy cold drink, which is made of blended fruit or berries together with fruit juice and possibly yoghurt or other dairy products or/and crushed ice cubes, that is, only natural ingredients. The texture is thicker than slush-drinks but may resemble that of milkshakes.

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A neologism: smoothie

Smith, Viktor, Ditte Green-Petersen, Peter Møgelvang-Hansen, Rune Haubo Bojesen Christensen, Françoise Qvistgaard, and Grethe Hyldig. "What's (in) a Real Smoothie. A Division of Linguistic Labour in Consumers' Acceptance of Name-Product Combinations?" Appetite 63 (April 2013): 129–40.

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Putnam (1975: 229) division of linguistic labor

Whenever a term is subject to the division of linguistic labor, the 'average' speaker who acquires it does not acquire anything that fixes its extension. In particular, his individual psychological state certainly does not fix its extension; it is only the sociolinguistic state of the collective linguistic body to which the speaker belongs that fixes the extension.

Cf. socially distributed understanding (Lindblom, 2015)

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smoothie

Is a smoothie determined by what it looks and tastes like and how it feels in the mouth?

Is it a matter of which ingredients have been used and how they have been processed?

Can consumers rely on their own judgment or will they trust the judgment of experts?

Misleading product names?

Contested food names



experimental study: testing the limits for consumers' acceptance of smoothie

- 1. when tasting three samples (sensory descriptors),
- 2. when tasting samples in combination with ingredients lists and nutrition facts (adding factual information),
- 3. and both, in combination with authoritative definitions (adding experts' final judgments).



Food and terminology

Expressing sensory experience in several languages

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How can terminologists study the dynamics of understanding and variation?

What kind of information can we retrieve from what kind of method and conversely, what technique, or variant of a technique, is most appropriate for studying which semantic phenomenon?

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Is the corpus sufficient as a context?

Sinclair distinguishes between the possibility of words combining freely ('open choice') and the combinatorial restrictions that come with collocational behaviour.

Distributional corpus analysis provides sophisticated ways of studying the latter on an unprecedented scale—but would that take away the necessity of studying the former separately, with different kinds of methods?

Can all the relevant information that language users have about the reference of words be retrieved from a corpus?

(Geeraerts 2009: 178)

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(Geeraerts 2009: 178)

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Example: furniture terms

Visual and functional information in Gipper's (1958) analysis of furniture terms.

Could we get the same insights into the structure of the field if we only considered textual data? Would it still be necessary to combine corpus methods with methods exploring other modes of cognition, like referential description or psychological experimentation?

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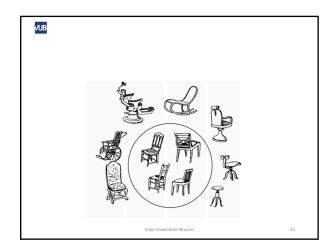


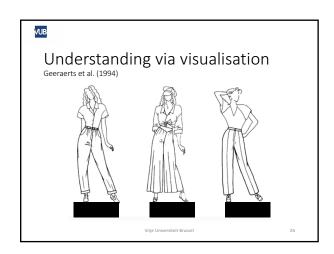
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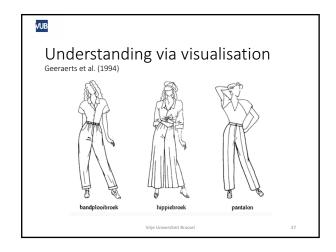


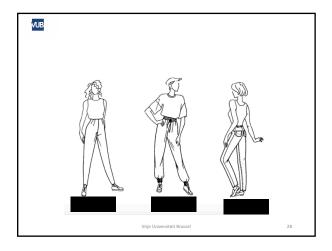
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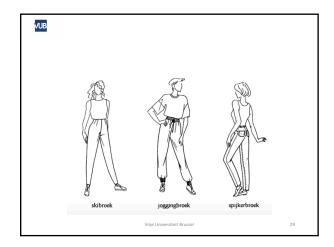
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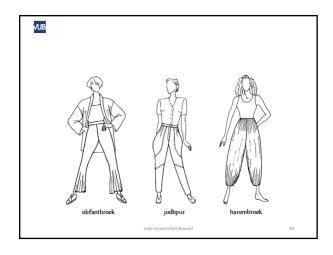


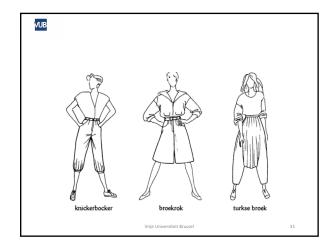


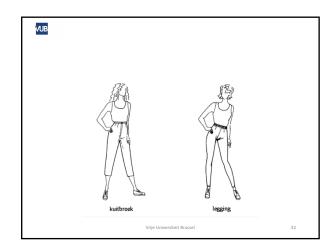


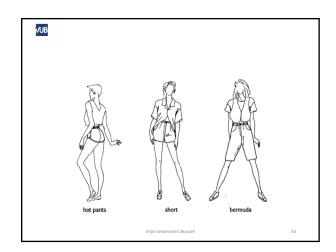














The process of understanding

Knowledge is the result of a continuous dynamics of understanding, misunderstanding, more profound understanding.



HOW TO STUDY THIS PHENOMENON?

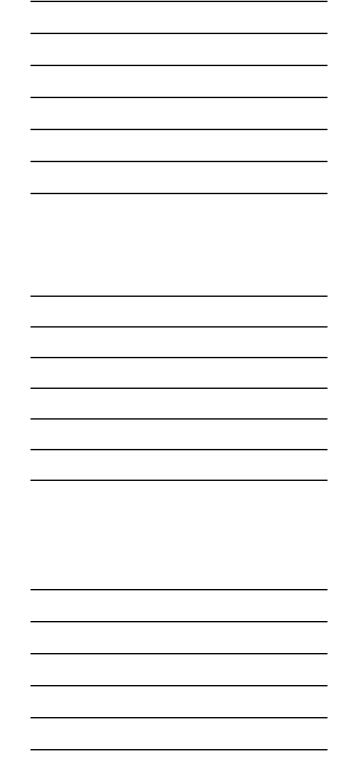
by studying the cognitive potential and the development of natural language(s) and more particularly of lexical items, i.e. terminology, in specialized domains.



A SHIFT IN PERSPECTIVE IN **TERMINOLOGY STUDIES**

Renewed interest in both the dynamics of cognition and the creative potential of language has shifted the perspectives of terminology studies to:

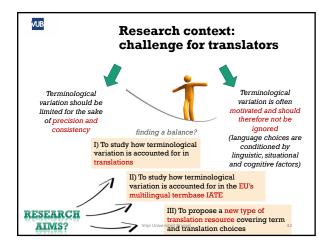
- the creation of neologisms in special languages,
 the study of variation (Cabré (1998), Freixa (2002 & 2005), Daille (2005), Bowker and Hawkins (2006), Kerremans (2014))
- research concerning ambiguity, synonymy, metaphor, phraseology
- the role of diversity, variation, polysemy, vagueness and indeterminacy, tentativeness in human understanding (e.g. Pecman 2012)

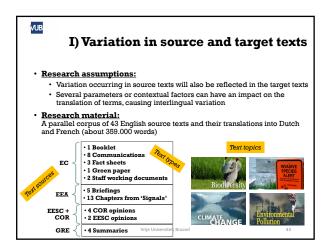


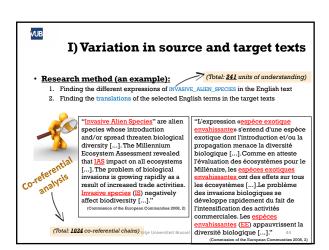
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Terminological variation in	
multilingual Europe	
The case of English environmental	
terminology translated into Dutch and French	
PhD research of Koen Kerremans	
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Terminological variation]
in multilingual Europe	
For translators, it is	
important to know: The case of English environmental terminology • What options (variants) translated into Dutch and French	
exist for translating a given term.	
Which options are more likely to be used in aardopwarming	
which contexts. opwarming van de aarde wereldwijde opwarming	
···	
global warming warming of the planet	
warming of the Earth	
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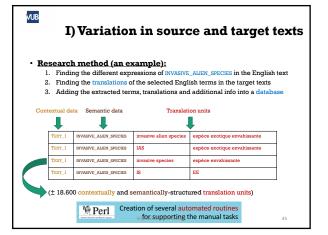










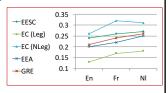




I) Variation in source and target texts

• Quantitative observations:

- 1) More variation in Dutch and French co-referential clusters (unique number of lemmatised forms)
- 2) The number of variants in English clusters tends to correlate with the number of variants in translations
- 3) Patterns of change and consistency in English co-referential chains tend to be reflected in the translations



Variation in the source texts tends to be reflected in the target texts.

More variation is observed in the translations (interlingual variation).



I) Variation in source and target texts

· Qualitative observations:

- 1) Survey of different types of variants encountered in English, French and Dutch
- 2) Interlingual variation is partly caused by deviations from literal translations



Are such language options covered by the EU's multilingual termbase IATE?

- Change in part of speech:
 e.g. ecosystem restoration > restaurer un écosystème (Fr)
 Plural vs. singular:
 e.g. base-year levels > referentieniveau (NI)
 Term vs. description:
 e.g. hull-fouling organisms > organismes qui s' accrochent (Fr)
 Pull form vs. reduced form:
 e.g. ballast water > ballast (Fr)
 Conceptual change:
 e.g. garden plants > jardinage (Fr)
 e.g. biodiversity > biodiversiteitsaspecten (NI)

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II) Variation in IATE

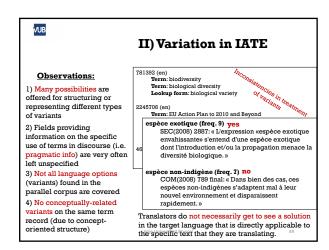
· Aims:

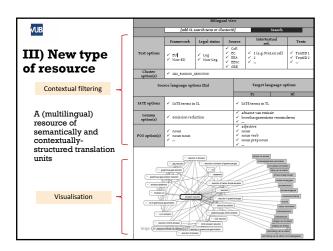
- to examine to what extent it is possible in IATE to account for the different types of intra- and interlingual variants encountered in the parallel corpus
- To examine to what extent the intra- and interlingual variation encountered in the parallel corpus is also reflected in the IATE database

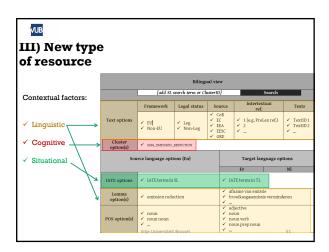
Reason:
to reflect on how IATE can
be enriched with variants
derived from parallel

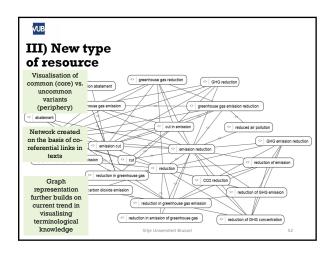
· Research material: 1138 term records (manually retrieved)

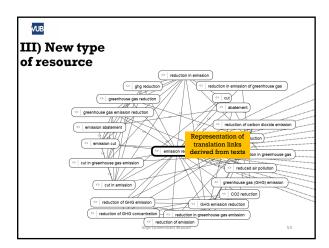
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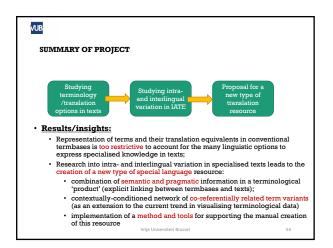












We discussed				
Variation and the dynamics of understanding in context. The multilingual perspective.		_		
Terminological variation in multilingual culture- bound and embodied understanding				
Terminological variation in EU source texts and translations				
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