Ellipses in an English-German corpus – examining a chameleon concept?



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ellipsi

Ellipses as a cohesive device - a case study within the DFG project "German-English contrasts in cohesion – Towards an empirically-based comparison (GECCo)"

GECCo project context and objectives: identifying contrasts in the realization of cohesion

- across languages (English vs. German)
- across registers (different text types and communication scenarios along the written-spoken continuum)
- across production types (originals vs. translated texts)

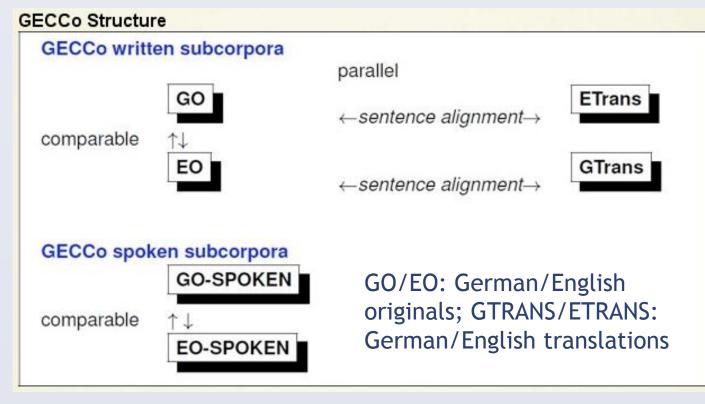
Cohesive devices

lexico-grammatical ties across texts: reference, conjunction, substitution, lexical cohesion, ellipsis (cf. Halliday&Hasan 1976)

CORPUS RESOURCES

GECCo corpus: multilevel-annotated bilingual corpus (ca. 1.44 m. tokens) - fictional texts, political essays, instruction manuals, popular science texts, letters to shareholders, prepared speeches, tourism leaflets, corporate websites, academic lectures, interviews (+ recently compiled registers: talk shows, internet forums, medical consultation, sermons)

- written registers: sentence-aligned parallel corpus
- spoken registers: comparable corpus



	subcorpora	registers
	written	imported from CroCo*
	EO 🔀	FICTION, ESSAY
	GO 🏺	INSTR, POPSCI
	Etrans ⊕→ ●	SHARE, SPEECH
	GTrans ●→ •	TOU, WEB
	spoken	collected at FR4.6, UdS**
	EO-SPOKEN *	INTERVIEW, ACADEMIC
- 1	GO-SPOKEN 🖲	FORUM, TALKSHOW

* cf. Hansen-Schirra et al. 2013 / http://www.gecco.uni-saarland.de

GECCo annotation levels

- word: word, lemma, POS
- chunk: sentences, syntactic chunks, clauses
- extralinguistic: register analysis, speaker information
- cohesion: e.g. semi-automatic annotation of co-reference, conjunction, substitution (cf. Lapshinova-Koltunski & Kunz 2014)

annotated corpus is available in XML format, can be queried with CQP (Evert, 2005), additional CQPweb version (https://fedora.clarin-d.uni-saarland.de/cqpweb/)

ELLIPSIS AS A CASE STUDY – METHODOLOGY

- i) Developing systematic and fine-grained conceptualization of ellipsis as a cohesive device aiming at cross-linguistic applicability of annotation scheme categories (Menzel 2014 a/b/c)
- ellipsis has been described as a 'chameleon concept' as linguists have produced rather heterogeneous definitions so that various constructions and discourse phenomena have been subsumed under this category
- main categories of (potentially cohesive) ellipsis relevant for this study:

Nominal ellipsis: omission of specific element of noun phrase (head noun) - e.g. "There are many reasons why Britain is good for Europe. Let me choose just four []."

<u>Verbal ellipsis:</u> ellipsis within the verbal group (modal/auxiliary/operator or lexical verb, often accompanied by the omission of related elements such as objects) - e.g. "A little town that is often missed by travellers but shouldn't be []."

<u>Clausal ellipsis:</u> omission of a part of a clause (broadest subcategory) - e.g. "Has he brought you presents? What kind of presents []?"

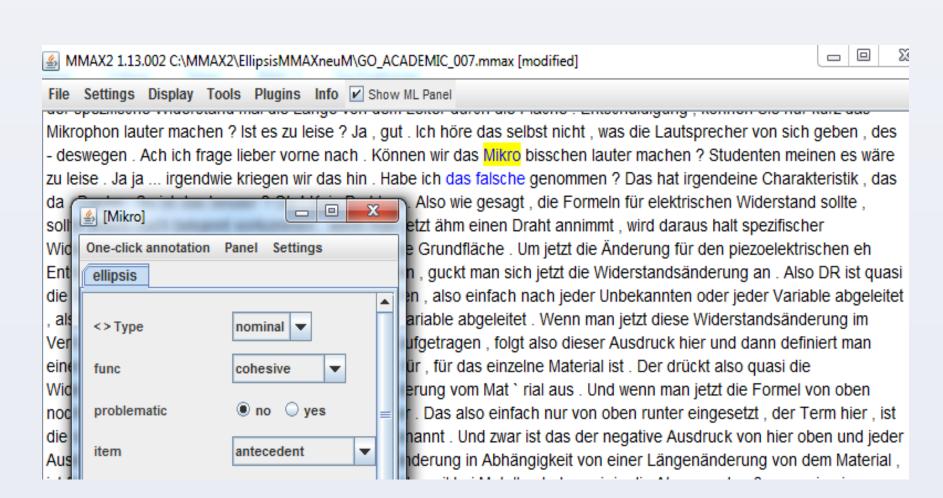
<u>Co-occurrence of nominal+verbal/clausal</u> - e.g. "How many slices do you want?" - "[] Two []."

cohesive ellipses refer endophorically to textual antecedents (ideally not in the same clause so that a textual link between different clauses or sentences is created)

- ii) Annotation of endophoric, text-forming ellipses (remnants) and their antecedents with MMAX2 based on annotation guidelines
- ellipsis remnants and their antecedents are annotated with open-source tool MMAX2: nominal ellipsis, verbal ellipsis, clausal ellipsis, nominal+verbal/clausal (mixed)

within these categories, it can be distinguished between:

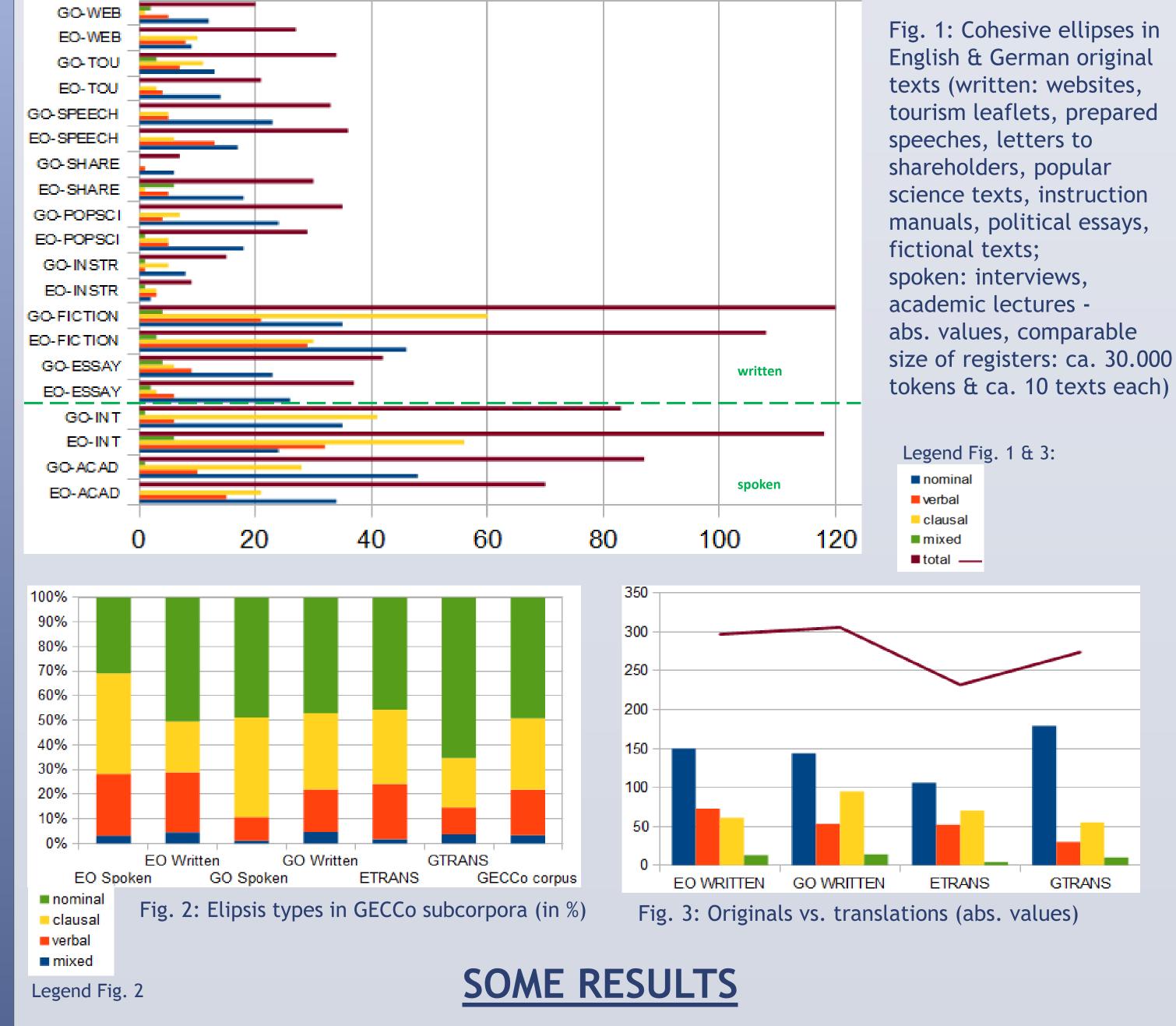
- non-cohesive (e.g. exophoric, situational)
- cohesive (cross-clausal reference to antecedent)
- clause-internal
- problematic cases that might require further discussion, e.g. borderline cases or ambiguous structures can be treated separately -> annotated as "problematic"



- some additional annotation categories cover other types of fragments, non-clausal units and omission phenomena that might look similar to ellipsis (e.g. anacoluthon, headlines...) but actually need different analysis
- manual annotation currently more accurate than automatic methods (numerous theoretical omission possibilities in different syntactic environments and POS tagging sometimes wrong in ellipsis environments due to deficient/non-standard syntax)
- annotations can be used to identify typical syntactic patterns of ellipsis contexts to improve (semi-)automatic annotation methods for certain types (e.g. nominal e. after adjectives, clausal e. in question-answer pairs)

iii) Data extraction and interpretation

some frequency distributions:



- differences between certain registers and between written and spoken language greater than those between English and German in general
- ellipsis frequency lower in translations compared to that in originals of the same language

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