

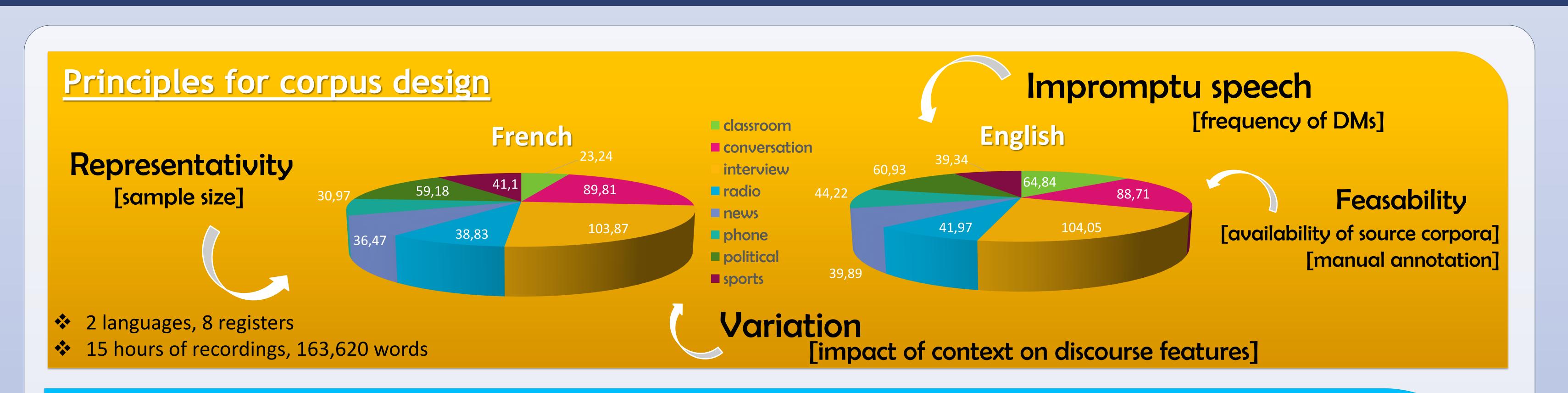




A richly annotated dataset for the contrastive and variationist study of discourse markers in speech

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Corpus-based functional taxonomy for spoken DMs

Speech vs. writing

- Less types, greater ambiguity
- Need to group values
- Speech-specific functions
- Need to **add** values

Writing-based models

- PDTB: 3-level hierarchy
- CCR: 4 dimensions, no end-label
- SDRT/RST: **spans** over whole texts
- Include **implicit** relations

Other frameworks

- **Generic** functions only
- Distinctions **not operational**
- **Incoherent** groupings in categories
- Language and/or genre-specific

several tests on pilot corpus

"**Domains**" as macro-functions $(C_{\alpha}, \alpha_{\alpha}, \beta_{\alpha}) = 200 \Gamma$

Ideational Rhetorical

Sequential Interpersonal

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Objective-subjective distinction

Operational definitions (PDTB-style)

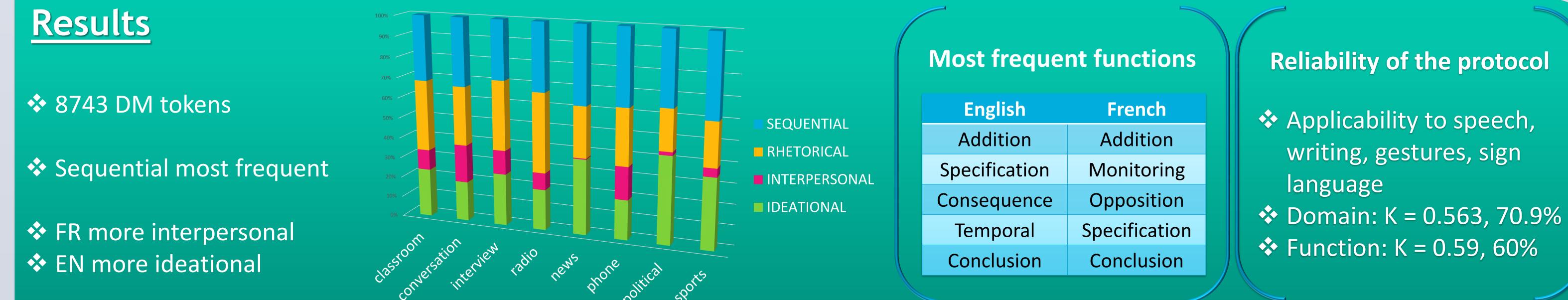
motivation	punctuation	monitoring	
conclusion	opening boundary	face-saving	
opposition	closing boundary	disagreeing	
specification	topic-resuming	agreeing	
reformulation	topic-shifting	elliptical	
relevance	quoting		
emphasis	addition		
comment	enumeration		
approximation			
	conclusion opposition specification reformulation relevance emphasis comment	conclusionopening boundaryoppositionclosing boundaryspecificationtopic-resumingreformulationtopic-shiftingrelevancequotingemphasisadditioncommentenumeration	

Extended to spoken functions (Cuenca 2013)

✤ 4 domains, 30 functions

- Domains and functions are interdependent
- Up to 2 simultaneous functions

Explicit functions/relations only



Function: K = 0.59, 60%

Perspectives

Cross-tabulation of functional and syntactic features of DMs with word-level annotation of local markers of (dis)fluency (filled pauses, repetitions, etc.). Combination with experimental, machine-learning and qualitative methods. Comparison with other annotation frameworks and languages.

Selected References: ASHER, N. & LASCARIDES, A. 2003. Logics of conversation. Cambridge: CUP. CRIBLE, L. & ZUFFEREY, S. 2015. Using a unified taxonomy to annotate discourse markers in speech and writing. In H. Bunt (ed.) Proceedings of the 11th Joint ACL-ISO Workshop on Interoperable Semantic Annotation (isa-11), 14-22. CUENCA, M.-J. 2013. The fuzzy boundaries between discourse marking and modal marking. In Degand et al. (eds), Discourse markers and modal particles. Categorizations and description, Amsterdam, John Benjamins: 191-216. GONZÁLEZ, M. 2005. Pragmatic markers and discourse coherence relations in English and Catalan oral narrative. Discourse Studies 7/1: 53-86. PRASAD, R. et al. 2008. The Penn Discourse TreeBank 2.0. In Proceedings of LREC 2008: 2961-2968. SANDERS, T., SPOOREN, W. & NOORDMAN, L. 1992. Toward a taxonomy of coherence relations. *Discourse* Processes 15: 1-35.

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