

- F. **Closure:** QUDs are typically closed under conjunction (e.g., Schulz and Van Rooij 2006) – the exception being cases where this would violate assumption E.
- G. **Accents:** ‘contrastive’ accents on the disjuncts indicate that each disjunct is contained in an active QUD (e.g., Biezma and Rawlins 2012; cf. Grice 1989).
- H. **Final fall:** low boundary tones L% convey that the speaker intended to draw attention to all (and only) propositions that are considered both possible and relevant to an active QUD (Biezma and Rawlins 2012; derived from maxims in Westera 2016).

Although none of these are new, in the talk I will review their motivations. Our main contribution is to note the following consequences of these assumptions:

- In (2), both disjuncts are relevant (G.), hence so is their conjunction ‘both’ (F.). Since the speaker didn’t mention their conjunction, this must be because it is considered false (H.), explaining the exhaustivity implication ‘not both’. Moreover, since the conjunction is relevant, so is their negation (C.), i.e., the exhaustivity ‘not both’, which must therefore be part of what is meant (B.).
- In (3), both disjuncts are likewise relevant (G.), but now their conjunction ‘both’ cannot be (despite F.). The reason is that the interrogative introduces a new QUD (D.), and to introduce a QUD containing ‘both’ this proposition should be deemed possible (E.), which cannot be the case, because then the speaker would have mentioned it (H.). Moreover, since ‘both’ cannot be relevant, neither can its negation ‘not both’ (C.), i.e., the exhaustivity, which must therefore not be part of what is meant (B.).

More compactly: exhaustivity can be part of what is meant only if the ‘both’ proposition was already relevant before, and this cannot be the case if the utterance itself introduces the QUD. This solves the puzzle posed by (2) and (3), within a pragmatic approach to exhaustivity. In the talk we review some further consequences of this proposal, e.g., that exhaustivity for interrogatives cannot be understood as the exclusion of *relevant* alternatives; rather, it is the exclusion of *irrelevant* alternatives that *would have been relevant* had they been deemed possible (given E.). The account generalizes to other cases of exhaustivity, but only where a case can be made that the excluded proposition should have been relevant had it been deemed possible (the role played by F. in the case of “not both”).

Assuming a pragmatic approach to exhaustivity, the foregoing solves a longstanding puzzle through the interaction of well-known, general pragmatic principles. Moreover, at SPE we hope to use this account as a case study to highlight that (i) to derive an implication and (ii) to explain its being part or not being part of what is meant, are two separate issues, the latter of which has been unduly neglected in the pragmatics literature.

References: Aloni, M. & Égré, P. (2010). Alternative questions and knowledge attributions. *Phil.Q.* 60. • Bach, K. (2006). The top 10 misconceptions about implicature. *Drawing the boundaries of meaning*. Benjamins. • Biezma, M. & Rawlins, K. (2012). Responding to alternative and polar questions. *L&P* 35. • Chierchia, G., Fox, D., & Spector, B. (2012). The grammatical view of scalar implicatures [...]. *Semantics: An International Handbook of NLM* 2. Mouton de Gruyter. • Destruel, E., Velleman, D., et al. (2015). A cross-linguistic study of the non-at-issueness of exhaustive inferences. *Exp. Persp. on Presup.* Springer. • Farkas, D. & Bruce, K. (2010). On reacting to assertions and polar questions. *JoS* 27. • Grice, H. P. (1989). *Studies in the Way of Words*. Harvard UP. • Horn, L. R. (1989). *A Natural History of Negation*. UCP. • Roberts, C. (1996). Information structure in discourse. *OSU WP in Ling* 49. • Roelofsen, F. & Farkas, D. (2015). Polarity particle responses as a window onto the interpretation of questions and assertions. *Lang.* 91. • Schulz, K. & Van Rooij, R. (2006). Pragmatic meaning and non-monotonic reasoning. *L&P* 29. • Westera, M. (2016). An attention-based explanation for some exhaustivity operators. SuB21. • Westera, M. (2017). QUDs, brevity, and the asymmetry of alternatives. *Proc. of Amsterdam Colloquium*.

Acknowledgments: This project has received funding from the European Research Council (ERC) under the European Union’s Horizon 2020 research and innovation programme (grant agreement No 715154). This paper reflects the authors’ view only, and the EU is not responsible for any use that may be made of the information it contains.

