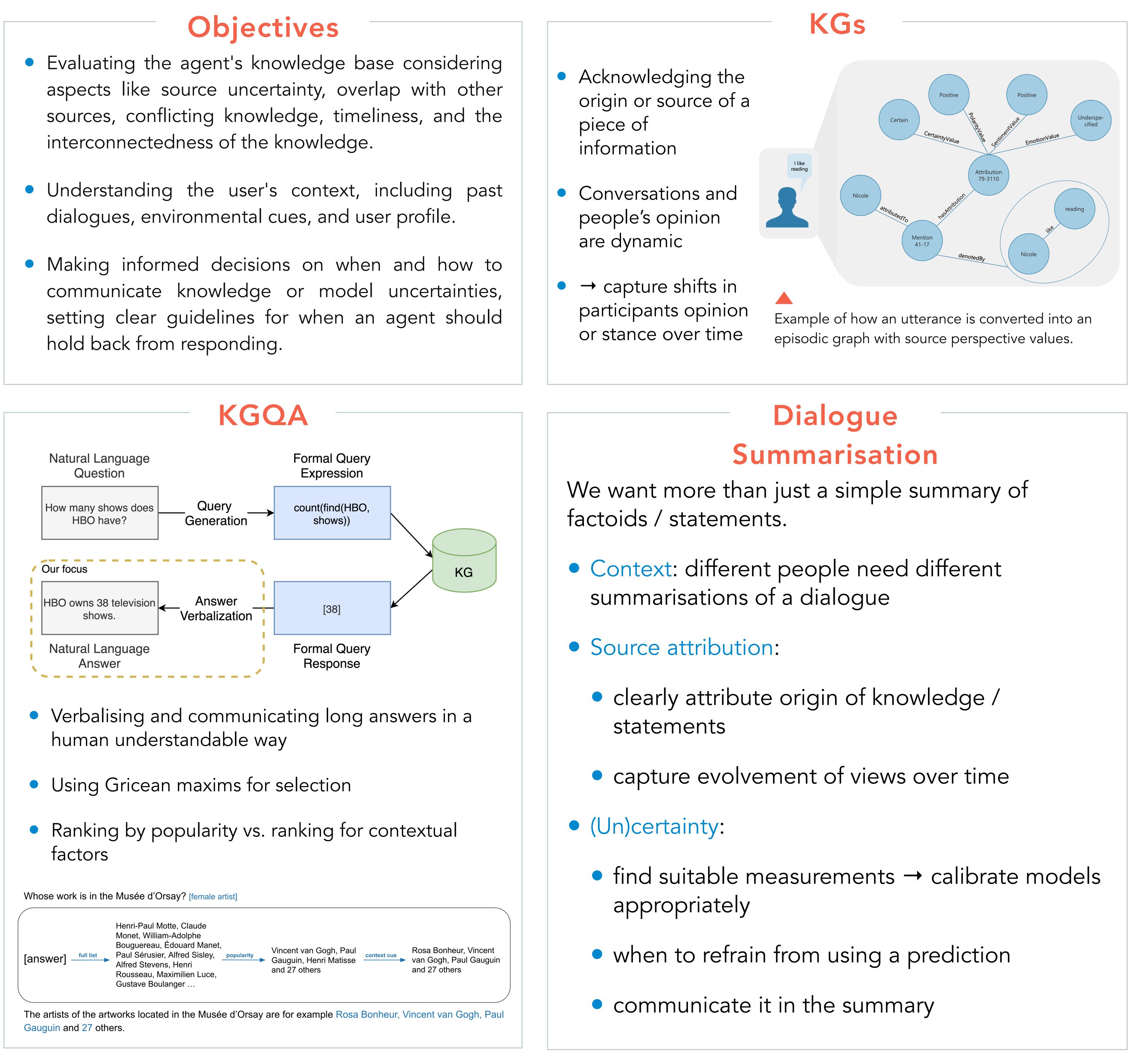
Contextualised Natural Language Generation within the framework of collaborative agents

33. Lea Krause

- interconnectedness of the knowledge.
- hold back from responding.



Supervisors: Piek Vossen, Emiel van Miltenburg

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Graph Summarization.

CLTL, Vrije Universiteit Amsterdam

Uncertainty

- inty of the source
- s to be captured when the ance is uttered
- s to be communicated
- inty of the NLG model
- s to be quantified at time of ration
- s to be taken into account for er selection and whether an er can be given
- e communicated, e.g. if a n threshold is passed

Future

- gue aligned dataset
- ure-specific knowledge in LLMs
- al certainty calibration
- uncertainty measures to types of IONS

References

- 1. Krause, L., & Vossen, P. (2020). When to explain: Identifying explanation triggers in human-agent interaction. Proceedings of the 2nd Workshop on Interactive Natural Language Technology for Explainable Artificial Intelligence. 2. Krause, L., Sommerauer, P., & Vossen, P. (2022). Towards More Informative List Verbalisations. Proceedings of the 1st Workshop Workshop on Knowledge
- Krause, L., Tufa, W. T., Báez Santamaría, S., Daza, A., Khurana, U., & Vossen, P. (2023). Confidently Wrong: Exploring the Calibration and Expression of (Un)Certainty of Large Language Models in a Multilingual Setting. Proceedings of the 1st Workshop on Muiltimodal, Multilingual NLG (MM-NLG).

I.krause@vu.nl