

## Co-Sense

Initiative: Momentum - Förderung für Erstberufene

Bewilligung: 23.03.2021

Laufzeit: 5 Jahre

Projekt-Website: <https://cvbers.com/research-streams/perception/co-sense/>

Are two tennis referees better than one at determining when a ball was out? Could doctors, wine judges and other sensory experts be better just sitting in committees, rather than alone, and what about us, audiences? Shared experiences have clear affective impacts but their epistemic benefits, though highly relevant from arts, technology, sports, medicine and education, still elude us. Joint attention and joint action have highly been studied as central to our human capacity for social coordination, but perception continues to be examined as an individual phenomenon, most certainly in philosophy and cognitive neuroscience. The aim of the concept Co-Sense is to launch a novel area of research into the epistemic value of collective perception in humans. It will develop both new conceptual foundations and experimental studies in two new independent labs: a physical lab, where multiple perceivers can be tested at the same time and behavioural, neural and direct measures recorded; and a virtual lab, to measure in systematic ways how people can collectively experience objects on-line, including in large groups. These new developments are especially relevant to partnerships with museums, and online experiences: new collaborations with major art and science museums will provide Co-Sense with opportunities for knowledge transfer, testing and science communication. These developments will also directly feed into new teaching modules in collective epistemology and comparative co-sensing in humans and animals.

## Projektbeteiligte

**Prof. Dr. Ophelia Deroy**

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## Open Access-Publikationen

**You, me, and us: Maintaining self-other distinction enhances coordination, agency, and affect.**

**Interacting with agents without a mind: the case for artificial agents.**

**Augmenting perception: How artificial intelligence transforms sensory substitution.**

**Intelligence brings responsibility-Even smart IAI assistants are held responsible.**

