



Hybrid Reality and Data Sharing concepts proposal

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Purpose – Hybrid reality (HyR) definition as an ongoing process in which artificial intelligence (AI) technology is gradually introduced as an active stakeholder posts many governance options. Keeping the desired state of supportive active HyR stakeholders in mind, a proposal for replacing the data collecting concepts with data sharing is set on the table.

Design/methodology/approach – A combination of systemic tools is utilised to examine and assess the development of HyR. The research is based on evolutionary and learning concepts, leading to the new meta-system development. Building on a system dynamics-based interactions modelling, two models have been proposed: The state of the art HyR interactions model, and a desired final HyR model. Out of multiple governance policy options, a switch from data collecting to data sharing is proposed for examination

Findings – HyR introduces multiple governance mechanisms to guide us to the desired final state. Some of them are addressing the capacities of the AI technology: sensing, reasoning and acting capacity. The data sharing concept is focused in addressing the sensing capacity of the AI technology. More importantly, it has a profound effect on all HyR stakeholder behaviour patterns and therefore requires for a thorough systemic research.

Originality/value – We are opening the research on multiple dimensions of the proposed data sharing concepts.

Research limitations – Since we are proposing data sharing as one of the governance mechanisms, and opening a space for a new transdisciplinary research, this should be complemented with empirical research results.

Research/ Practical/ Social/ Environment implications – Invoking data sharing concepts may have profound influence on the interactions and thus the relations in the Hybrid reality, we are encountering.

Keywords: Data Sharing, Hybrid Reality, CyberSystemics, Artificial intelligence, Interactions model, Governance.