Hybrid Reality, Collective Intelligence, CyberSystemics and WOSC 2027 Congress

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Abstract

Artificial intelligence has entered everyday communication, reasoning, and decision-making as an active participant, creating the conditions described here as Hybrid Reality. This plenary note examines how that transition reshapes collective intelligence and why CyberSystemics is needed to understand and guide it. The paper uses a narrative and conceptual methodology, combining a first-person account, an illustrative flood case, and recursive systems analysis to connect personal, organisational, societal, artificial, and natural perspectives. The flood case shows that collective intelligence emerges when partial models interact, influence one another, guide coordinated action, and preserve feedback as structures for future learning. Artificial intelligence expands this process by comparing observations, activating stored knowledge, and supporting reasoning across scales, while its contributions remain bounded by data, purposes, infrastructures, and observation paths. CyberSystemics is presented as a transdisciplinary field that connects systems thinking, cybernetics, and artificial intelligence to examine how observations become models, how models shape action, and how consequences modify later structures. Its contribution lies in making observers, purposes, recursion levels, learning loops, and environmental feedback visible, so that human and artificial reasoning can support more capable and responsible collective intelligence. The paper concludes by presenting WOSC 2027 in Maribor as a proposed forum for co-developing CyberSystemic concepts, methods, and practices through cases, dialogue, reflexive observation, and feedback transformed into feedforward. The congress is envisioned as both a meeting place and a temporary collective-intelligence system, enabling participants to improve the models and learning structures used to address organisational, societal, technological, and planetary challenges.

Keywords: CyberSystemics; Hybrid Reality; collective intelligence; artificial intelligence; recursive learning; WOSC 2027