Cazenille et al. (2025) Concept	NSIR (Sadownik, 2025) Application
Social Learning (Collective)	**Item 1 (Kinship):** Measures if the emergent "collective behavior" feels relatable to the user.
Signaling Systems	**Item 3 (Mind Attribution):** Validates if the user perceives the swarm's signals as a form of "internal thinking."
Adaptive Coordination	**Item 8 (Reliability):** Measures the social comfort that arises from the swarm's consistent, rule-based logic.
Unified Swarm Agency	**Item 6 (Naming):** Acts as a behavioral marker for whether the user "humanizes" the entire swarm as a single entity.