

## **The Need in Subject-Oriented Intelligent Agents Based on Reasoning Interface Models for Sustainable Organisations**

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### **Abstract**

**Purpose** - The rapid development and widespread adoption of artificial intelligence (AI) technologies not only significantly impacts global socioeconomic relations but also requires addressing a number of issues related to the role of AI systems. This paper goal is to the build sustainable system based on for the creation of Subject-oriented Intelligent Agents (SIAs) Based on Reasoning Interface Models (RIMs) adaptive to natural technologies and their use as personalized universal assistants for sustainable socioeconomic development of society.

**Method** – To create the RIM-based SIA, methods from data mining theory, robust systems, and gray systems are used, as well as the works of speakers such as "Mandatory Features and Differences of Intelligence. Waves of Indoctrination" (Michail Kozlov), "Trainable generator of educational content" (Vladimir Rotkin), and "Neuro-Symbolic Verification for Preventing LLM Hallucinations in Process Control" (Alexander Rybalov, et al.).

**Results** – Sustainable RIM-based SIA that will not only help each individual solve a variety of current problems, but also monitor the health of its owner and, by focusing on his apperception, protect him from indoctrination, as well as stimulate creativity of his/her owner, resulting increase in the effectiveness of the Collective Intelligence.

**Organisation** - The subject-oriented approach discussed in the report is consistent with current trends in the shift from mass production to subject-oriented production based on AI technologies and can be used positively by interested organizations.

**Society** - The use of SIA will help avoid the indoctrination and degradation of society that the uncontrolled development of AI technologies threatens, and will create more comfortable conditions for all of humanity.



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Originality - The use of evolutionary processes-like methods for using small samples adaptive to information flows will enable the creation of low-cost RIMs with a flexible interface that operate in real time, according to the phrase Sapiienti Sat.

Limitations - The authors consider general approaches that, with further analysis, can be supplemented and adjusted.

**Keywords:** Subject-oriented Intelligent Agents, Reasoning Interface Models, Apperception, Collective Intelligence.