

The software platform for the component-oriented development of knowledge-based systems

Basic components

Auxiliary components

Applied components

Conceptual model design component S^{Ont}

Rule-based reasoning component S^{KB}

JESS, DROOLS, [CLIPS]

Workflow editor S^{Op}

Executive environment configurator S^{Mng}

Data control component S^{DB}

PostgreSQL

GUI S^{Dlg}

jQueryUI, jQueryGrid, jsPlumb

Bidirectional client-server communications S^{Com}

NodeJS, WebSocket, SOAP

N-dimension data handler component S^N

Web-map representation component S^{Map}

OpenLayers

Specification editor for agent-based simulation modeling (ABSM) S^{Ag}

ABSM computational experiment management component S^{Exp}

ABSM specification interpreter S^{Ag-I}

Madkit, JADE

Scenario analysis component (type "modeling") S^{Sc-M}

Libraries of numerical methods

developed

in development

external tools