KNOWLEDGE BASE AND CMS INTEGRATION

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OUR GOALS

- Record and process knowledge

- Manage huge number of reports referring to data mining sessions

- Interact with semantic knowledge sources

OUR APPROACH

We designed data mining web portal based on CMS (Joomla!) interacting with Ontopia Knowledge Suite together called SEWEBAR-CMS.

Analytical reports are created within CMS with possibilities of entering (semi-)auto generated structured data.

LOAD LOCAL SOURCES

- Data mining results exported in PMML

- PMMLs are imported into CMS as XML based articles

- Picking relevant segments and transform them into HTML

REMOTE SOURCES

Administrator defines:

- Links to queriable resources

- Queries for these resources

- XSLT transformations from native form into HTML

ANALYTICAL REPORT

- Analytical report is combination of free text and linked fragments

- Importing fragments is supported by UI

ANALYTICAL REPORT

STATUS

- native XML DB (Berkeley) and XQuery

- Ontopia Knowledge Suite with *tolog* queries

- SPARQL endpoints (proof of concept)