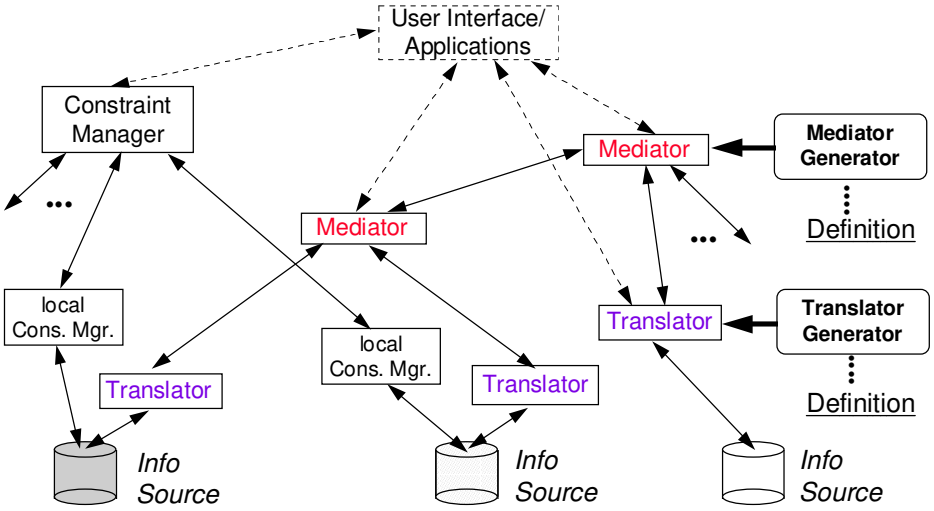
Stanford *TSIMMIS* Project



Project Objective

- Development of tools for rapid integration of information from heterogeneous sources

Payoff

- *Access* to *diverse sources* (structured and unstructured) such as databases, legacy systems, file systems, e-mail, etc.
- Powerful *user interface* for browsing sources locally or remotely (via internet)
- Rapid generation of *translators* (wrappers) and *mediators*

Technical Challenges

- Flexible, object-oriented data/knowledge model that is expressive yet simple
- High level description language for translators and mediators that is easy to use
- Generation of efficient translators and mediators based on user specification
- Intelligent layout of unknown and often unstructured information
- Constraint management across heterogeneous sites

Schedule and Milestones

- *Sept. '94*: Object Exchange Model (OEM) and preliminary testbed
- *Sept. '95*: Toolkit for automatically generating translators, Mosaic-Based Information Explorer (MOBIE), OEM repository
- *Sept. '96*: Toolkit for automatically generating mediators, constraint management toolkit, final testbed