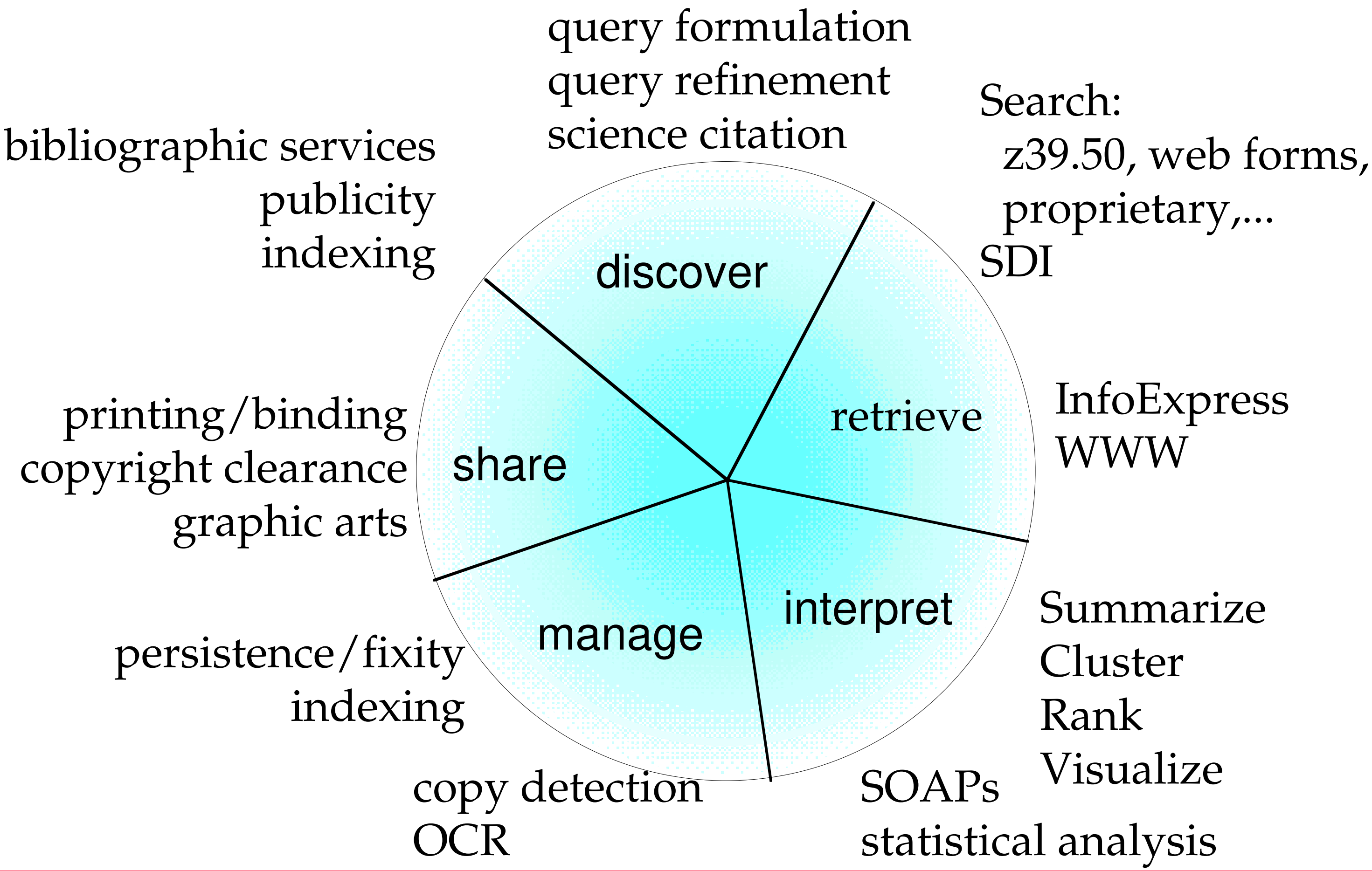
Stanford University Presentation for DLI meeting Santa Barbara November 9, 1995

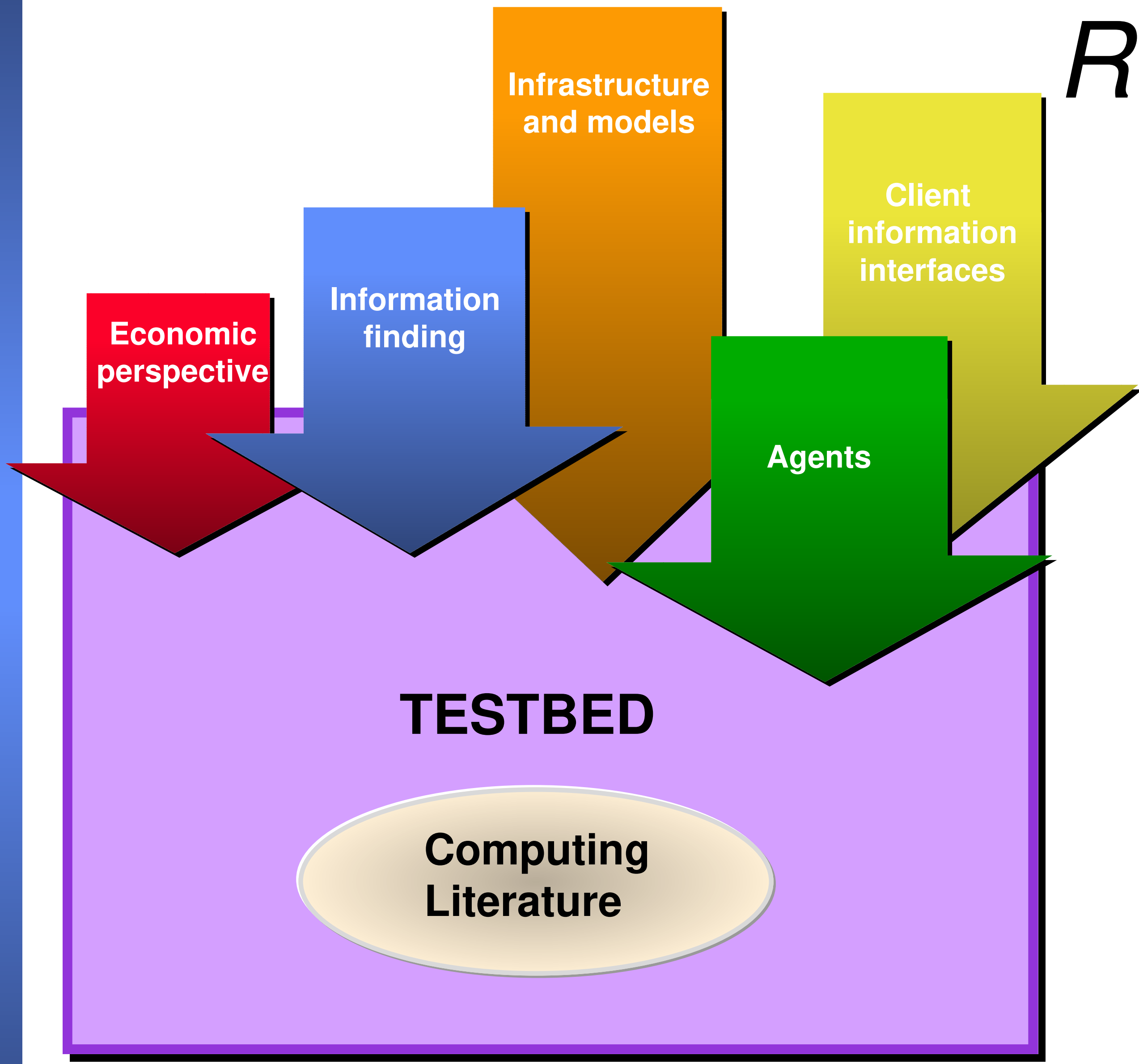
Fundamental Assumptions About Digital Libraries

- The digital library is not a bounded, uniform collection
- There will be increasing diversity of information and service providers
- There is more to digital libraries than search

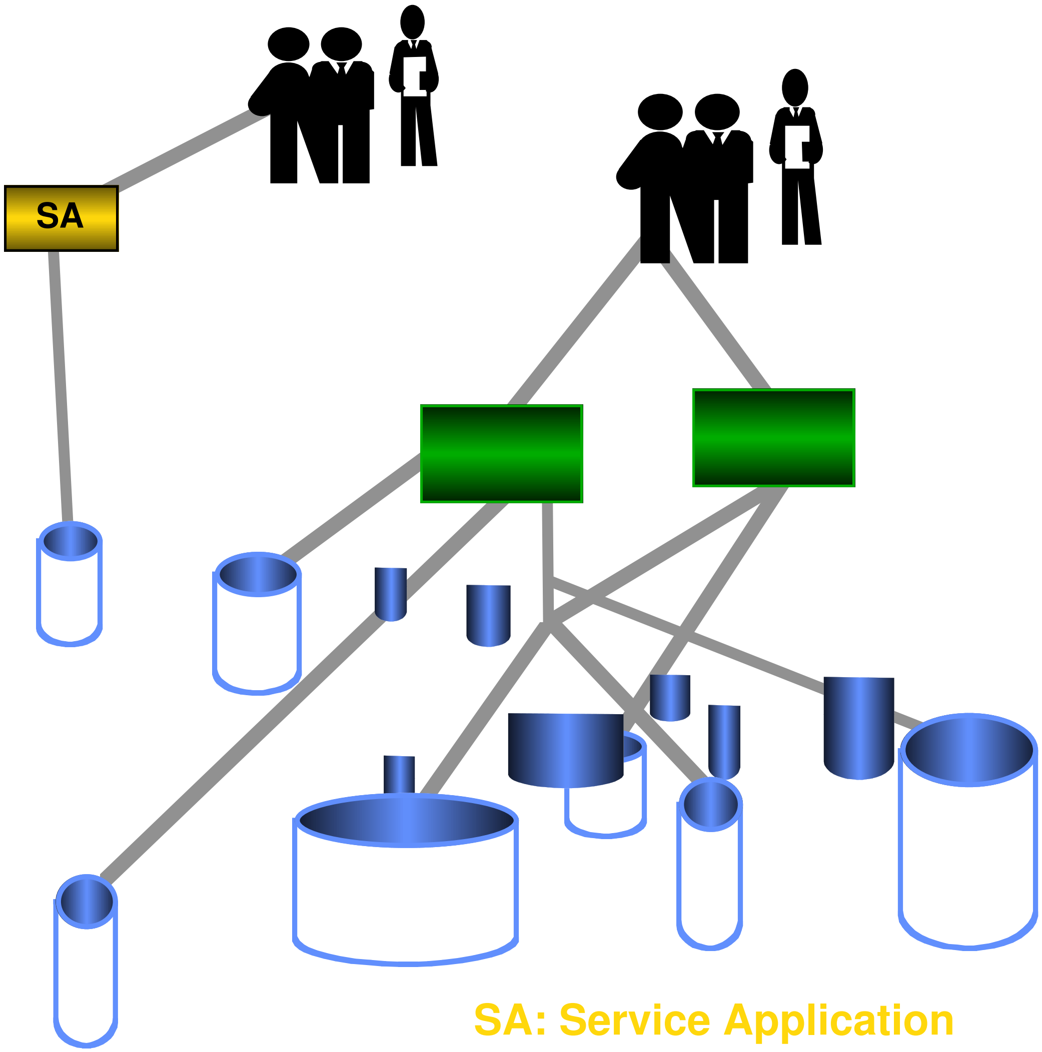
There is more to Digital Libraries than Search!



Research Thrusts

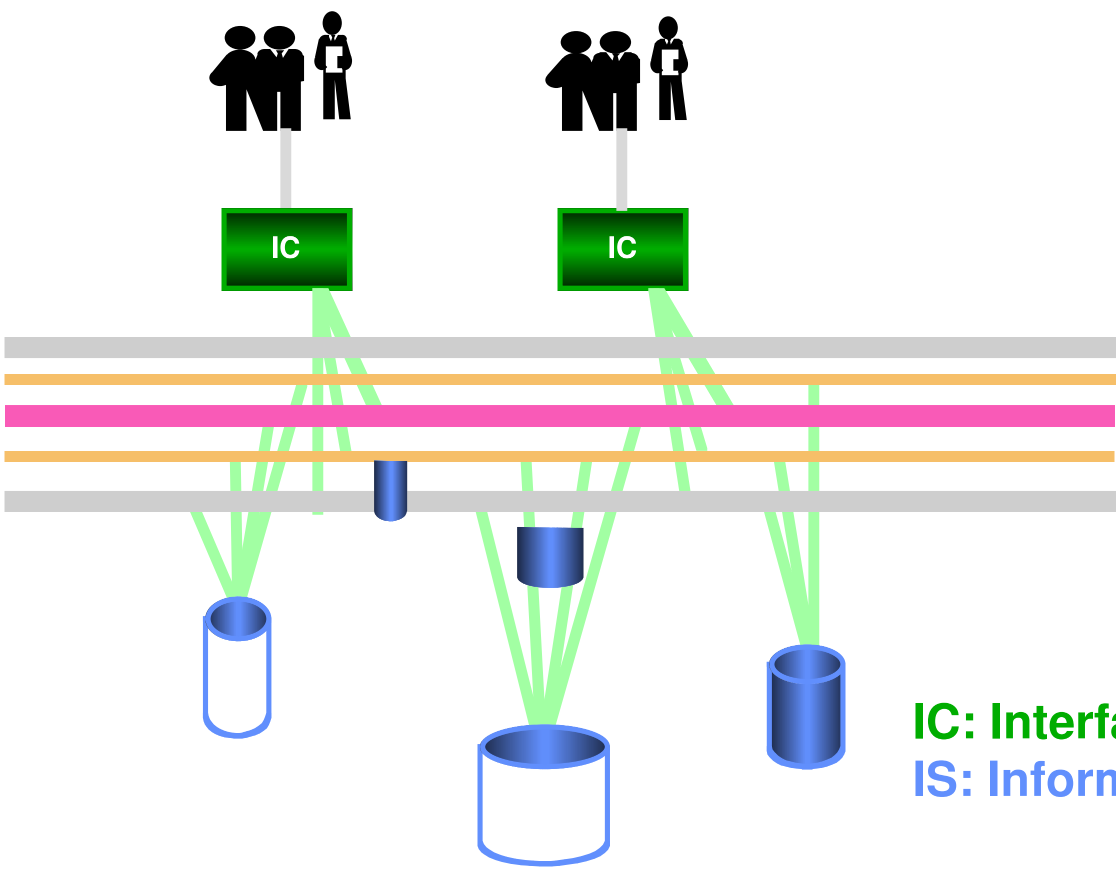


Today



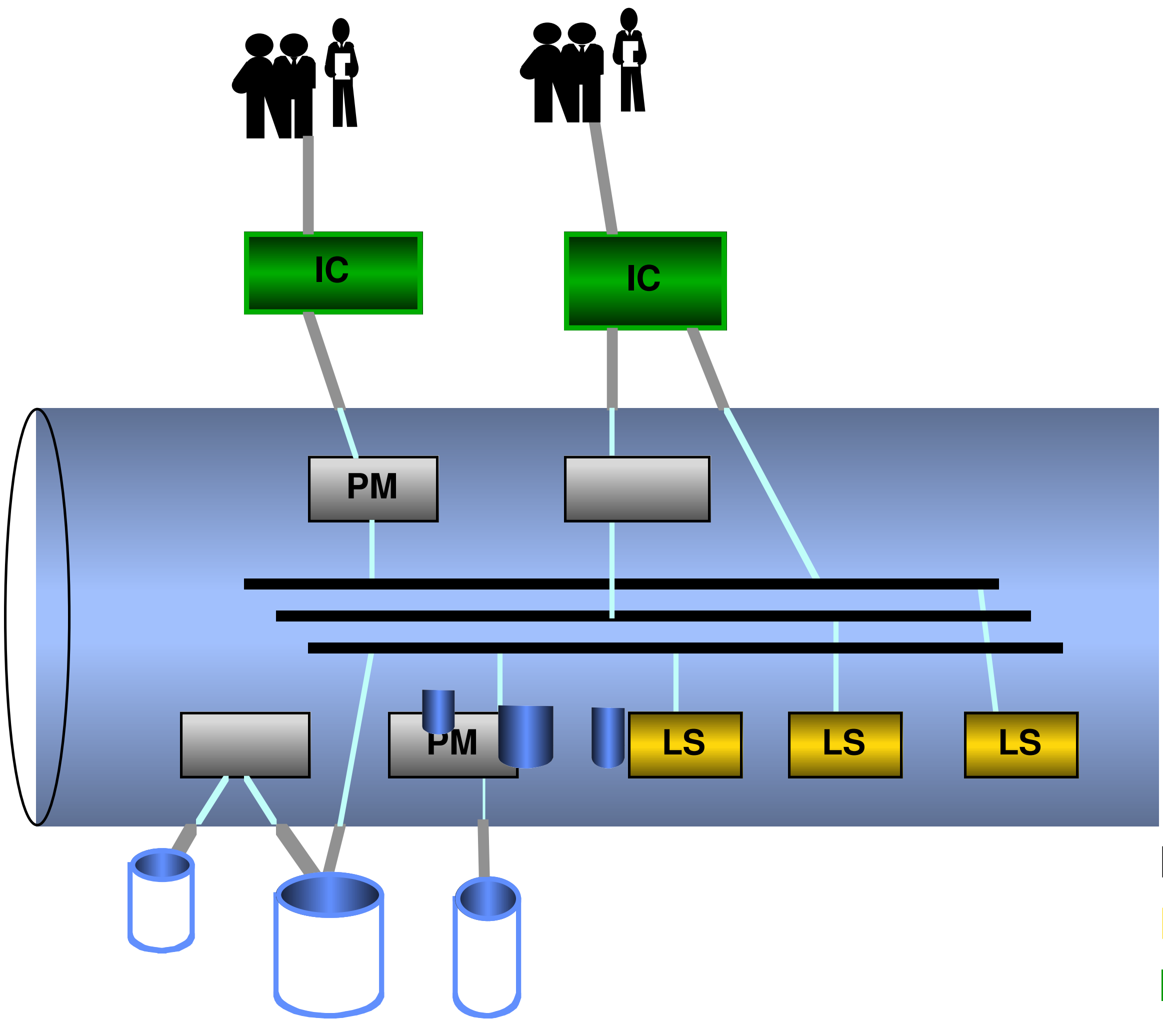
SA: Service Application
IC: Interface Client
IS: Information Source

Trend Toward Common Network Protocols



IC: Interface Client
IS: Information Source

The Information

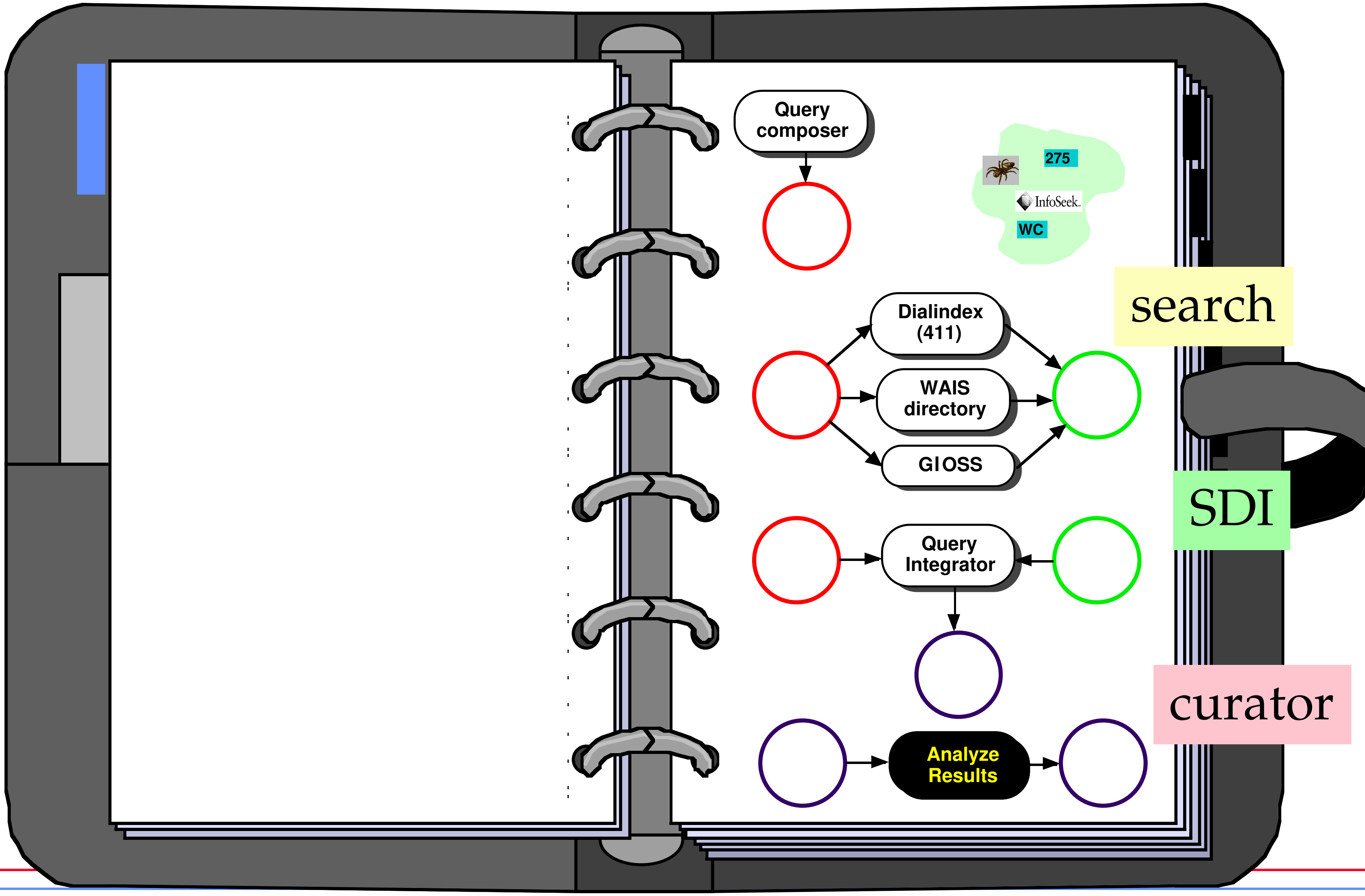


PM: Protocol Machine
LS: Library Service
IC: Interface Client
IS: Information Source

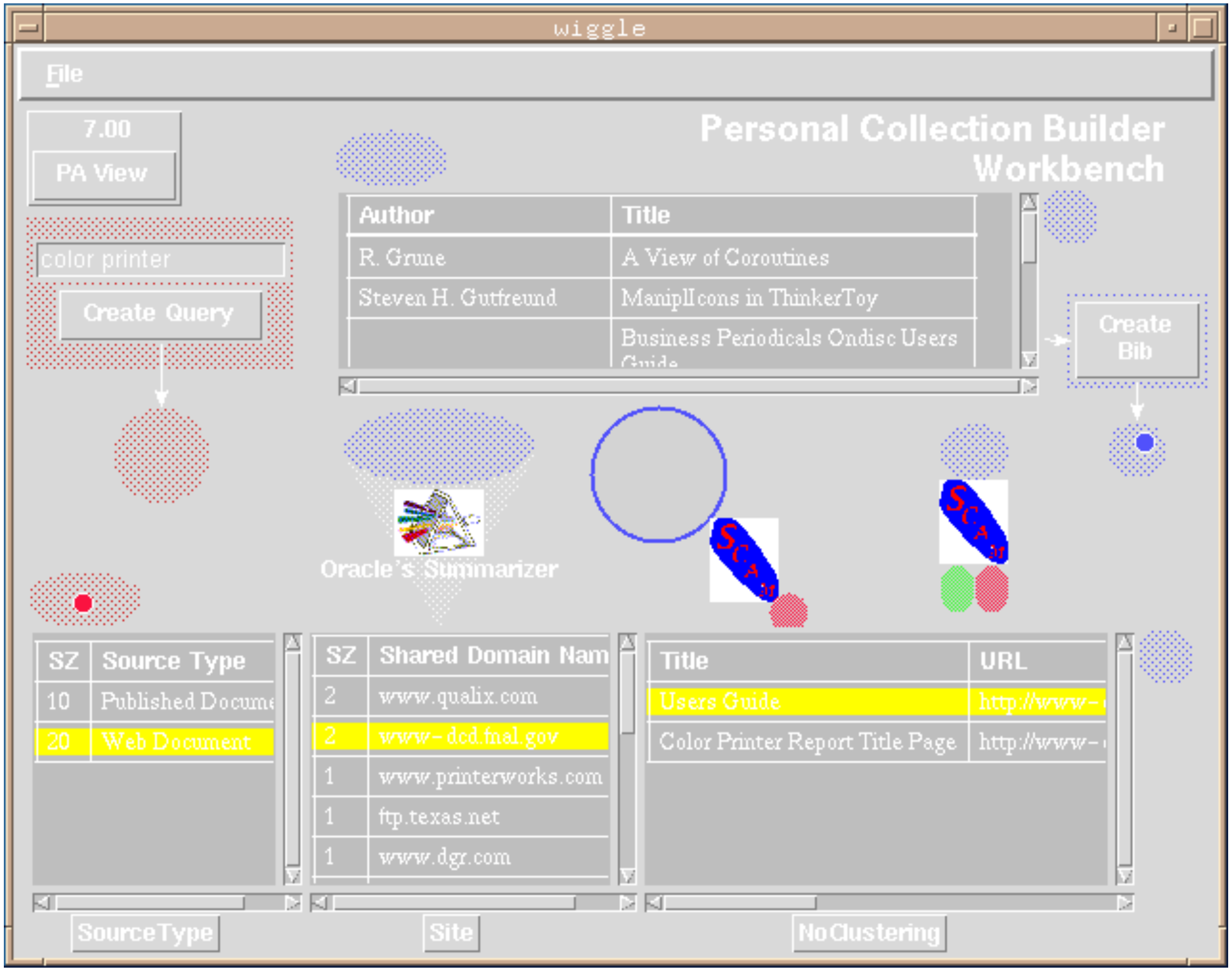
Goals for the User Interface

- Flexibility for our heterogeneous DL
- Persistence over various time scales
- Allow multiple services to be active
- Extensible set of services
- Smooth integration of services
- Support end-user tasks
- Sharing and reuse of DL expertise

A Template for Each Task



Current Interface Prototype

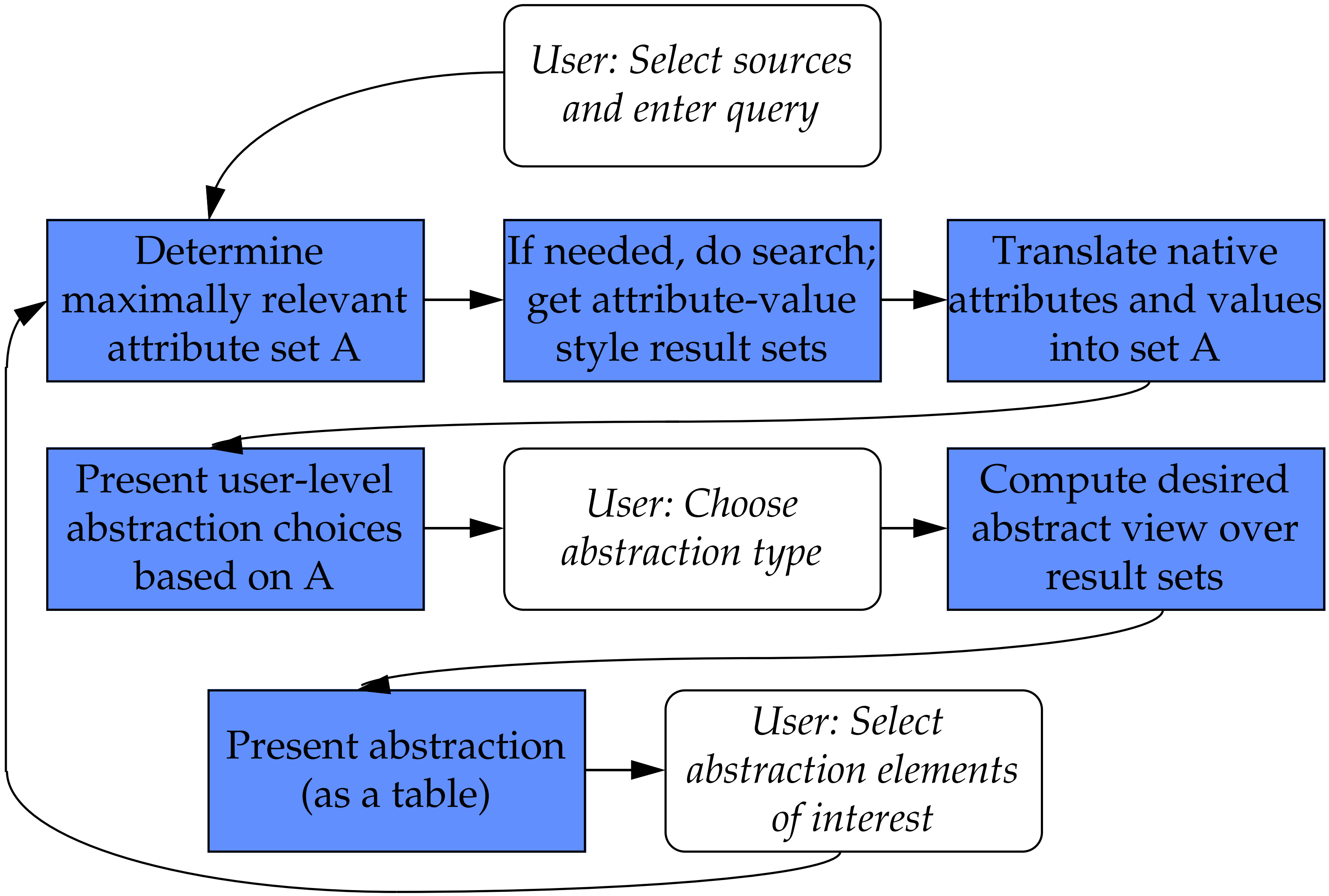


SenseMaker Overview

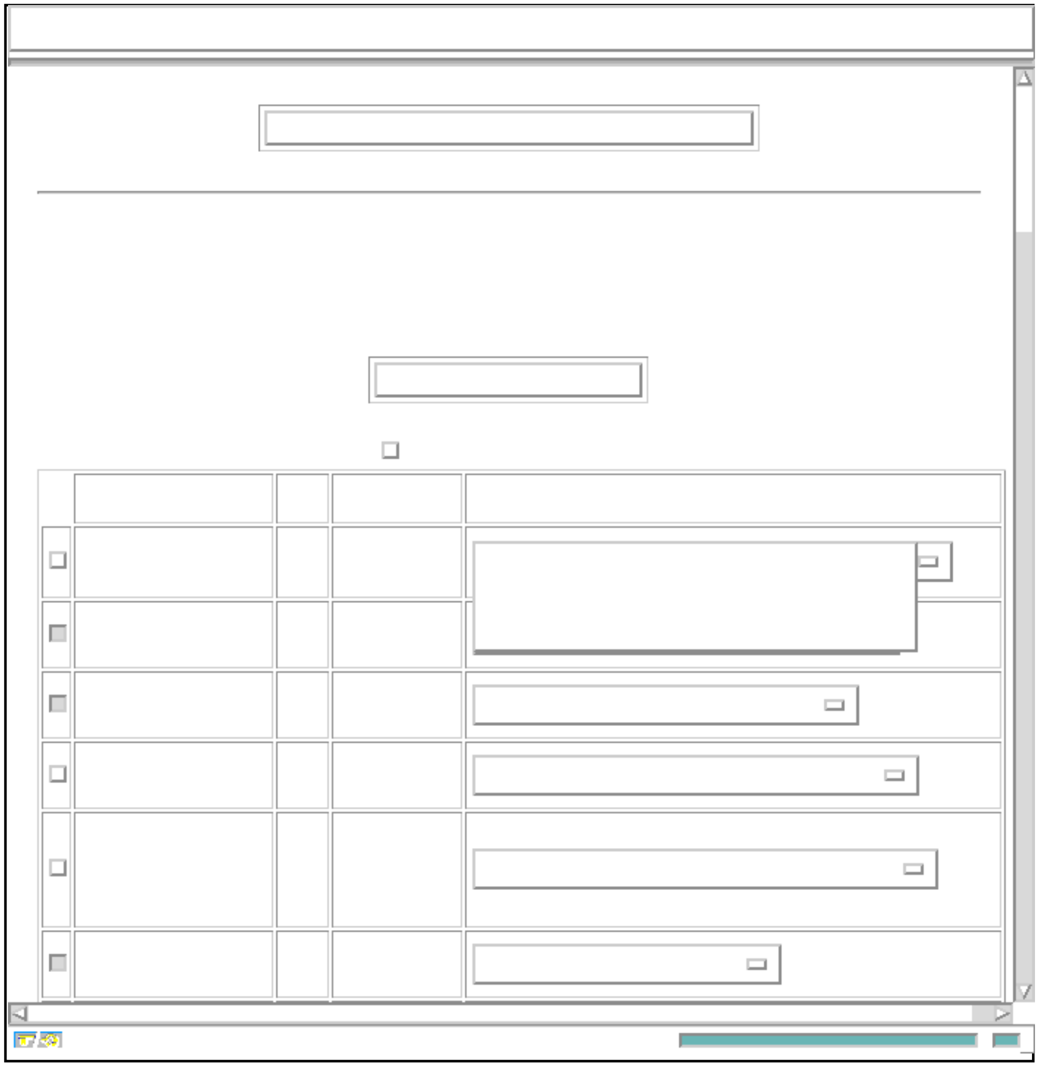
Goal: To help users "make sense" out of results from heterogeneous search services, through interactive result analysis.

- Mediates between user and heterogeneous search services
- Introduces user-oriented distinctions, based upon negotiated attribute sets
- Enables user-directed, dynamic, recursive abstraction over result sets

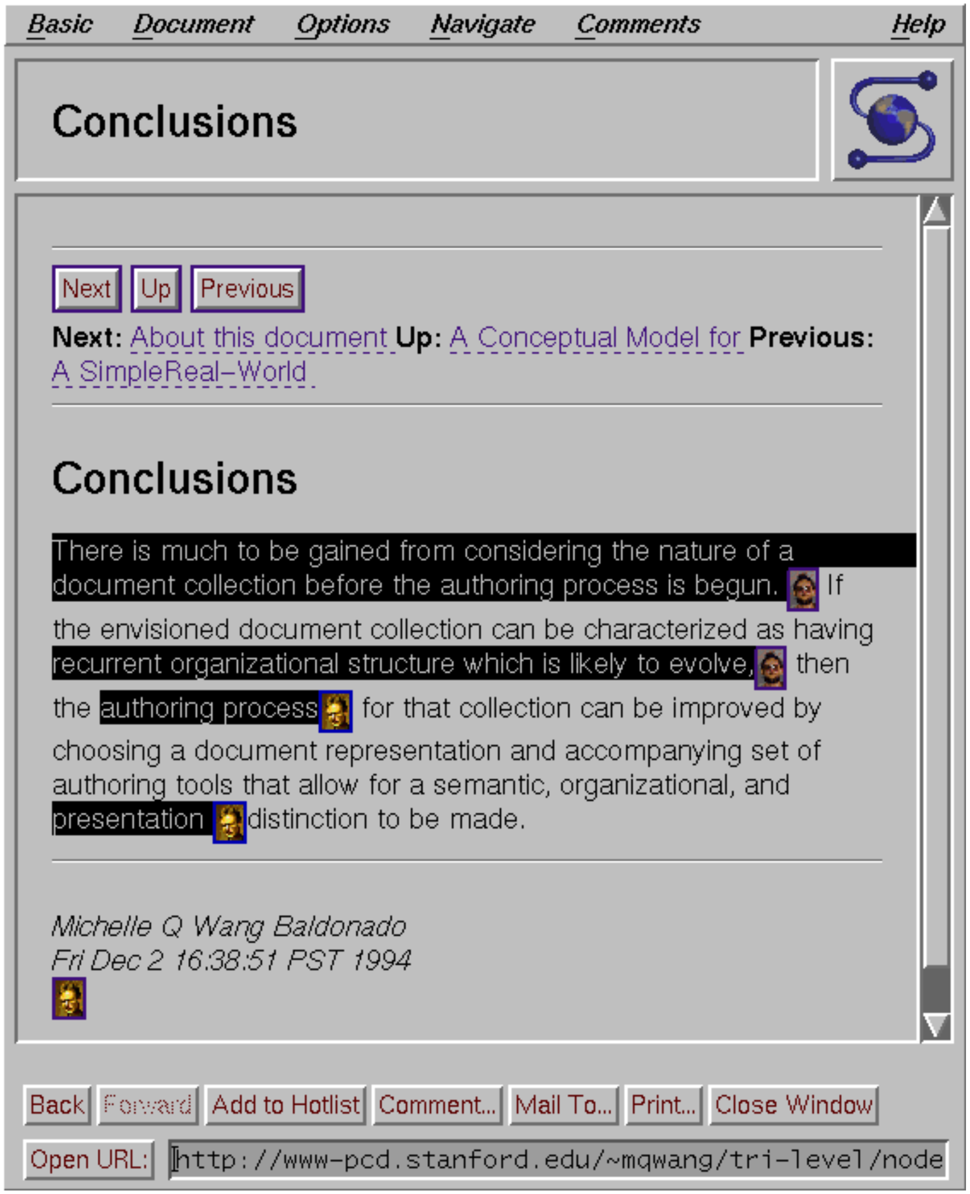
SenseMaker Interaction



SenseMaker: WWW Interface



ComMentor



- Annotations
- Structured Discussions
- Seals of Approval (SOAPs)
- Trails, Tours, Landmarks
- Shared hotlists

Annotation Preview