

Scientific Annotation Middleware

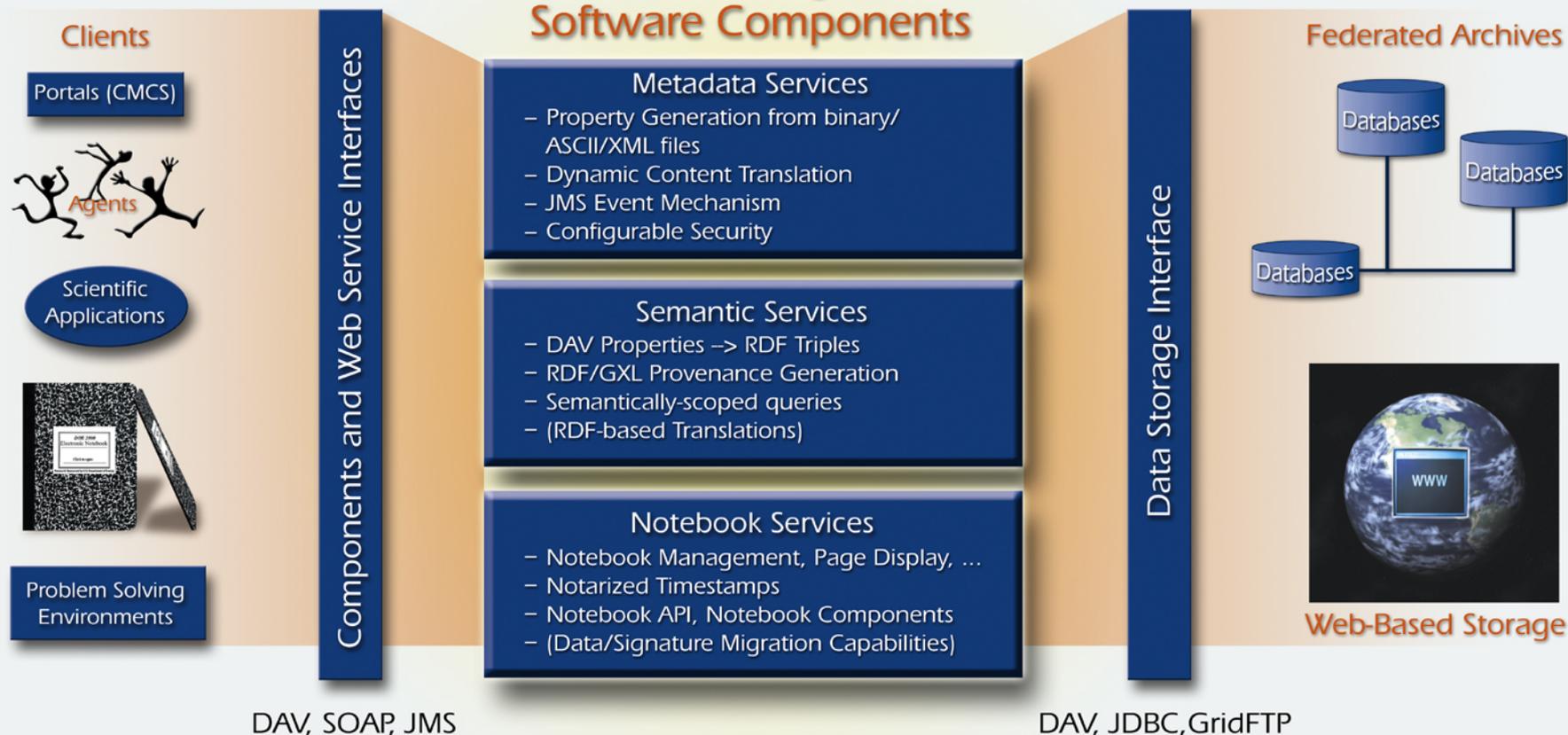
DOE National Collaboratories Program



Principal Investigators: James Myers, Tara Talbott, Michael Peterson, Alan Chappell, Carina Lansing (PNNL) AI Geist, Jens Schwidder (ORNL)

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SAM's Major Software Components



Benefits

- Improved completeness, accuracy, and availability of the scientific record
- Integrated notebooks, provenance tracking, and third-party annotation
- Support for systems-science approaches and collaboration across disciplines
- Open source, standards-based scientific content management services

Community Interactions

- Collaboratory for Multiscale Chemical Science - using SAM to support a portal-based community knowledge grid
- NEESgrid - SAM-based ELN as a grid-capable e-notebook
- GTL - developing SAM-based biology notebooks
- Public - 1500+ registrations

Selected Papers

- Re-Integrating the Research Record, James D. Myers, Alan R. Chappell, Matthew Elder, AI Geist, Jens Schwidder, *Computing in Science and Engineering*, May/June 2003, pp 44-50
- Multi-Scale Science: Supporting Emerging Practice with Semantically Derived Provenance, James D. Myers, Carmen Pancerella, Carina Lansing, Karen L. Schuchardt, and Brett Didier, *Proceedings of the Semantic Web Technologies for Searching and Retrieving Scientific Data Workshop*, Sanibel Island, FL, Oct 20, 2003

Software

<http://www.scidac.org/SAM>
Version 1.1 released (Oct. 2003)