

Cyberinfrastructure and Research Facilities: Developing Collaboratory Tools to Facilitate Multi-Disciplinary, Multi-Scale Research in Environmental Molecular Sciences

Karl Mueller, The Pennsylvania State University

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Cyberinfrastructure tools will be designed to enable and promote multi-disciplinary, multi-scale research in environmental molecular sciences, helping scientists formulate and answer new questions by linking results from a large variety of sources. Tool development by information scientists will be validated and augmented with design feedback from chemists and geochemists. Intelligent data management and use will streamline the process of discovery as information is provided in context while maximizing connectivity among methodologies and disciplines. Ultimately, we will implement a system to provide seamless access to multiple databases and digital libraries for the end user.

