

Challenges in Collaboration and Dissemination of Scientific Research

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There are many challenges in performing scientific research, especially with 'big data' and multiple scientific organizations involved in both the collaborations that can continue over a long period of time and dissemination of results. This presentation will describe some of the challenges and methodologies used to address some of those challenges. Using open-source components and well established interoperability standards to provide robust architectures for collaborative environments are currently being explored for performing and exposing research across scientific communities. Dissemination and distribution of scientific findings through presentations and publications also present challenges in ensuring integrity, accuracy and provenance information while providing for openness in the utilization and social curation of the data.