

Researcher Access to Data Anytime, Anywhere

NSF Campus CI PI meeting – Albuquerque, NM

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John Moore – Internet2

Thoughts on impediments

- R&E infrastructure that supports researchers is complex – lots of providers coordinating to make the end-to-end service work
- Campus identity systems support general users well, and in many cases participate in federations, but support for researchers' unique needs is still elusive
- Researchers and infrastructure providers don't sync on research workflow (“Here's what I'm trying to do...”) and the capabilities and limitations of current infrastructure (“Wow, I never thought someone would want to do that...”)

In a nutshell – *lack of a systems-level approach*

Thoughts for making progress

- R&E infrastructure providers (regional and national networks, campuses, etc.) should plan for end-to-end services, and coordinate more closely on service development and investment
- Campus and scientific instrument providers should adopt recommendations from efforts such as the Federated ID Management for Research (FIM4R) group – research attribute release, etc.
- R&E infrastructure service development should be informed by detailed understanding of science workflows and close interactions with researchers (and those supporting them directly)