



**e-Framework**  
for education and research

# Researcher – Librarian Nexus

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<http://www.e-framework.org>

# Identity and Access Management

e-Framework

- Library/Institutional AuthN AuthR
  - Pressure your Identity Manager or IT division to get an MAMS federation IdP for the institution
  - Talk to your repository vendor about Shibboleth support (SAML1.1 and SAML 2.0) – vendor support isn't your only option
  - Talk to MAMS, do some training, fly in an expert
  
- Researcher Identity needs are different...
  - International collaborators are not necessarily in institutions. Collaborations are loose, ad-hoc, temporal federations of trust. Collaborations can be one on one.
  - Try to support what they use for authentication (MAMS, PKI, google/yahoo groups)
  - DON'T have one solution “to rule them all” (CardSpace/InfoCard)
  - Support multiple federations, MAMS + Internet2
  - Support a fallback authentication mechanism (separate LDAP, OpenID, system username/password as last resort), must have very low entry barrier

<http://www.e-framework.org>

- Nexus – connection between things
- Connections (nexuses?)
  - Social?
  - Professional?
  - Repository focus

- Repository connections occur
  - Ingest, curation boundary
    - Dr Bruce Smith completed paper, gives digital copy to librarian with associated data/results.
  - On future archival or preservation
    - Requirements for data/result storage have expired. Archival value of data must be ascertained. Librarian contacts Dr Bruce Smith and recent citation authors.
- Consumer services
  - So it's on the “web”, what can Dr Bruce Smith and others do with it?

- “Identity 2.0” or “third wave of identity”
  - local identity (username, password) →
  - → federated identity (PKI, kerberos, Shibb)
  - → user/identity centric ID (CardSpace)
  
- I have a number of identities, service providers ask for what they need/accept, I choose what I wish to present.

- Repository analogy to “Identity 2.0”
  - local repository →
  - → federated repositories (FRED, ORCA, LORN)
  - → user centric repository?
  
- Or should this be “content centric repository”?
- What do these things mean?

- The “Web 2.0” repository (or at least web 2.0 mindset)
  - Content and Services are consumable
  - Can individuals build UI’s, portals, mash-ups, lenses into the data
    - “My Federation”
      - private CMS + collab CMS + institutional repositories + trusted federations
      - Specific collections, filtered collections (tags, search)
      - Social tagging, annotation, ranking
    - Enhancing my e-Portfolio
- Many issues:
  - AAA, IPR, content/service profiles, common toolkits, smart network use, common services
- Standards based interoperability is essential
  - Has always been when changing context  
local → federated → global
  - Watch this space – [www.e-Framework.org](http://www.e-Framework.org)
    - Modeling and documenting federations in practice and planning

- For reference read Web2.0 report to JISC  
[http://telearn.noe-kaleidoscope.org/read\\_public.php?publi=777](http://telearn.noe-kaleidoscope.org/read_public.php?publi=777)
  
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