F2F1 Connectivity Task Force Status
Tasks

• Tasks:
  – Identify a set of standards and initiatives that are relevant to the Provenance WG
  – Provide the means to "link" the provenance model to the identified standards/initiatives
Initial Approach

• Perform ‘Open Brainstorming’ up until the F2F1.
  – Loosely define “Connectivity”.
  – Identify template to capture candidate connections
  – Members contribute up until F2F1

• Create a Connection Catalog
  – W3C Provenance Incubator Group Findings + Open Brainstorming
Preliminary Results

• 7 member contributions
  – DCMI Metadata Provenance Task Group
  – The DataONE Working Group on Provenance
  – The W3C HCLS BioRDF Task Force on Provenance
  – The W3C HCLS Scientific Discourse Interest Group
  – IdM/Provenance; Privacy/Provenance; and IPR/Provenance (to be posted)
  – Analytic Provenance Community
  – ...

• 27 technical contributions from Incubator group
## Preliminary Results

<table>
<thead>
<tr>
<th>Connection</th>
<th>Type</th>
<th>Domain Specific</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCMI Metadata Provenance Task Group</td>
<td>Provenance Standard</td>
<td>No</td>
</tr>
<tr>
<td>DataOne Provenance Working Group</td>
<td>Convention</td>
<td>No, emphasis on workflow based products</td>
</tr>
<tr>
<td>W3C HCLS BioRDF Task Force on Provenance</td>
<td>Convention</td>
<td>Yes</td>
</tr>
<tr>
<td>Analytic Provenance Community</td>
<td>Interest</td>
<td>No, capturing provenance in visualization and analytics</td>
</tr>
<tr>
<td>The W3C HCLS Scientific Discourse Interest Group</td>
<td>Standardizing Models for scientific articles and experiments</td>
<td>No, some overlap with HCLS BioRDF</td>
</tr>
<tr>
<td>IdM/Provenance; Privacy/Provenance; and IPR/Provenance (to be posted)</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>
Thoughts on Next Steps

• How could we reach out to other connections?
• Quantify, Assess, and Filter the Results:
  – Identify clients/collaborators – clients will most likely be a target of implementation
  – Determine which collaborators constitute our initial “Connection” focus.
  – Categorize collaborator connections.
  – Identify:
    • Linkage points between PIL and connection. E.g.
      – [http://www.w3.org/2005/Incubator/prov/wiki/Provenance_Vocabulary_Mappings](http://www.w3.org/2005/Incubator/prov/wiki/Provenance_Vocabulary_Mappings)
    • potential gaps between PIL the connection.
The Balancing Act

• Many ‘provenance’ related activities and small task group.
  – Appearance of universal understanding, but knowledge on various efforts may be shallow.

• Reaching out to many connections initially might limit depth of knowledge.
  – Risks creating bias based on our choices.
Coordinating with Other Task Forces

• Which task forces do we need to interact with initially?
• What products are needed by which task force and what timelines need to be established?
• Do we need to meet periodically or as it makes sense?