eRA, An HHS Grants Solution Provider

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electronic Research Administration (eRA)
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Supporting the mission-critical function of grants administration for NIH and other federal granting components

eRA Program

eRA operates and maintains 30+ custom-made, large, complex and critical systems that are essential for research done worldwide with grants funded by NIH and eRA’s partner agencies

External users: research applicant community, reviewers

Internal users: staff at NIH and eRA’s >25 partner agencies

September 17, 2013
Currently collaborating with NSF and DoD

*EDISON is a module for reporting patents arising from federally funded grants
## eRA By The Numbers
(NIH and eRA’s partner agencies)

### Total Applications, Awards, Value, (FY2009-12)

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Applications received**</th>
<th>Number of Awards**</th>
<th>Current Year Funding**</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY2012</td>
<td>128,746</td>
<td>60,902</td>
<td>$30.34 B</td>
</tr>
<tr>
<td>FY2011</td>
<td>127,695</td>
<td>60,722</td>
<td>$29.91 B</td>
</tr>
<tr>
<td>FY2010</td>
<td>140,343*</td>
<td>69,604*</td>
<td>$35.36 B</td>
</tr>
<tr>
<td>FY2009</td>
<td>151,168*</td>
<td>73,671*</td>
<td>$34.82 B</td>
</tr>
</tbody>
</table>

*Includes ARRA  
**Applications and Awards include competing and non-competing applications
FY2012 Total Active eRA Users

Total active users: **171,146**
Total usage/log-ins: **10.69 million**
Registered research organizations in eRA Commons doubled in the past 5 years to **24,000**

47 million database operations a day: individual action(s) by user to select, insert and update data

*External users include applicants, grantees and electronic reviewers*
eRA and Commons Access

eRA and Commons utilize NIH Login, a single sign-on solution offered by the NIH Center for Information Technology (CIT)

September 17, 2013
## POTENTIAL IMPACT

<table>
<thead>
<tr>
<th>Security Objective</th>
<th>LOW (Bronze)</th>
<th>MODERATE (Silver)</th>
<th>HIGH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Confidentiality</strong></td>
<td>The unauthorized disclosure of information could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The unauthorized disclosure of information could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The unauthorized disclosure of information could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets, or individuals.</td>
</tr>
<tr>
<td>Preserving authorized restrictions on information access and disclosure, including means for protecting personal privacy and proprietary information. [44 U.S.C., SEC. 3542]</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Integrity</strong></td>
<td>The unauthorized modification or destruction of information could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The unauthorized modification or destruction of information could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The unauthorized modification or destruction of information could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets, or individuals.</td>
</tr>
<tr>
<td>Guarding against improper information modification or destruction, and includes ensuring information non-repudiation and authenticity. [44 U.S.C., SEC. 3542]</td>
<td></td>
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</tr>
<tr>
<td><strong>Availability</strong></td>
<td>The disruption of access to or use of information or an information system could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The disruption of access to or use of information or an information system could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.</td>
<td>The disruption of access to or use of information or an information system could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets, or individuals.</td>
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<td>Ensuring timely and reliable access to and use of information. [44 U.S.C., SEC. 3542]</td>
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</tbody>
</table>
Use of InCommon by eRA has been shown to be practical

- Proof of concept demo for FDP showed that Bronze InCommon credentials can work with NIH Login for access to NIH Commons
- Actual use of InCommon for NIH Commons access will require
  - Silver level certification
  - Work by eRA and CIT (NIH Login) to recognize the metadata that identifies an institution as Silver
- Once InCommon is fully implemented for Silver level access, NIH recognizes that additional capabilities may be required.
Questions?