What are Research Resources?

We are focused on the resources that researchers need to request permission to use:

<table>
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<tr>
<th>Resource type</th>
<th>Definition</th>
<th>Examples</th>
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</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>A facility, building, or other physical space used to perform research.</td>
<td>Neutron spallation source, animal facility, data enclave, archaeological site, telescope array, ships, planes, farms, laboratories.</td>
</tr>
<tr>
<td>Collection</td>
<td>An object or group of objects used for research purposes; can be tangible or digital.</td>
<td>Ocean mission, field campaign, collaborative data sets or resources, rare book collection; museum collection, biological specimen collection.</td>
</tr>
<tr>
<td>Equipment</td>
<td>Hardware used for research purposes.</td>
<td>Microscope, computers, glassware, samples, materials.</td>
</tr>
<tr>
<td>Service</td>
<td>Services used for research purposes.</td>
<td>Proteomics analysis, computing services, data analysis, logistical support, legal services, copyediting, expert or staff advisement.</td>
</tr>
</tbody>
</table>
Challenges

• Government and university-funded labs award researchers use of unique facilities and equipment

• Even when required by policy, researchers often do not report the facilities or specialized equipment used to develop papers, datasets, or other research results

• Publishers do not collect information on user facilities, instead focusing on funding sources for the published work that are related to journal article access policies

• Differing definitions of terms such as author, user, and funding among stakeholders present challenges to effective reporting
<table>
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<tr>
<th>Resource Item</th>
<th>Type</th>
<th>Actions</th>
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<tbody>
<tr>
<td>PSC Storage (Bridges Pylon)</td>
<td>infrastructures</td>
<td>show details</td>
</tr>
<tr>
<td>PSC Regular Memory (Bridges)</td>
<td>infrastructures</td>
<td>show details</td>
</tr>
</tbody>
</table>

**Research resources (3)**

**Understanding the Patriots Defense in Super Bowl 53**

- Extreme Science and Engineering Discovery Environment (Urbana, Illinois, US)
- 2019-02-04 to 2020-02-03
- URL: https://xras.xsede.org/public/requests/30305-XSEDE-ASC190013-1189514

**Computer vs Humans in Monopoly**

- 2019-02-06 to 2019-02-28
- URL: https://xras.xsede.org/public/requests/30414-XSEDE-ASC190015-1189639

**Extreme Science and Engineering Discovery Environment (Urbana, Illinois, US)**

- **Organization identifiers**
  - GRID: grid.484565.e
  - Pittsburgh Supercomputing Center: Pittsburgh, Pennsylvania, US
  - https://www.psc.edu/

- **URL**
  - https://xras.xsede.org/public/requests/30414-XSEDE-ASC190015-1189639

- **Added**
  - 2019-02-06
- **Last modified**
  - 2019-02-06