Curation Tools
Community Landscape
We have more and more tools...

* How do the tools we have fit together?
* What gaps are there to fill?
* How do we measure effectiveness?
Outcomes:

* **Enhancement**: doing a known thing better
* **Alternative**: doing a known thing differently
* **New ability**: doing a new and desired thing
* **Innovation**: doing a new and unimagined thing
Optimal Developments

* Characteristics of good developments
  o written in a well-documented language
  o usable on a wide variety of platforms
  o longevity – commitment, duration of support
  o modular in design
  o support for batch processing and workflows
  o designed for workflow integration
  o development by quality staff
  o licensing options and good access to code
At what level do tools apply?

- Object
- Collection/Aggregate
- Repository
- Community
Stages of Automation

- **Basic tool**: improvement, but only a step away from manual process
- **Tool refinement**: take advantage of automation benefits to develop basic tool
- **Tool production**: develop stable tool with managed phases of development
- **Basic workflow**: defines basic sequence of tool application and actions
- **Workflow refinement**: string tools together
- **Workflow production**: full integration of process
Five Stages

1. **Acknowledge**: identify need for tool
2. **Act**: initiate tool development project
3. **Consolidate**: share as open source
4. **Institutionalize**: production mode
5. **Externalize**: integrated into workflows
Functions

- control
- manage
- disseminate
- find
- gear
- use
- describe