# Update on DuraSpace and Fedora 4

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# DURASPACE™

"DuraSpace is an independent 501(c)(3) not-for-profit organization providing leadership and innovation for open technologies that promote durable, persistent access to digital data. We collaborate with academic, scientific, cultural, and technology communities by supporting projects and creating services to help ensure that current and future generations have access to our collective digital heritage."

# Projects accomplishments

- Released Fedora 4.0

- Released DSpace 5.0

- Increased membership dollars & participation

- Established steering and leadership groups

- Created strategic plan for VIVO and held inaugural conference

# Services accomplishments

- Successful public launch of DSpaceDirect

- Successful launch of ArchivesDirect

- Continued growth and adoption of DuraCloud

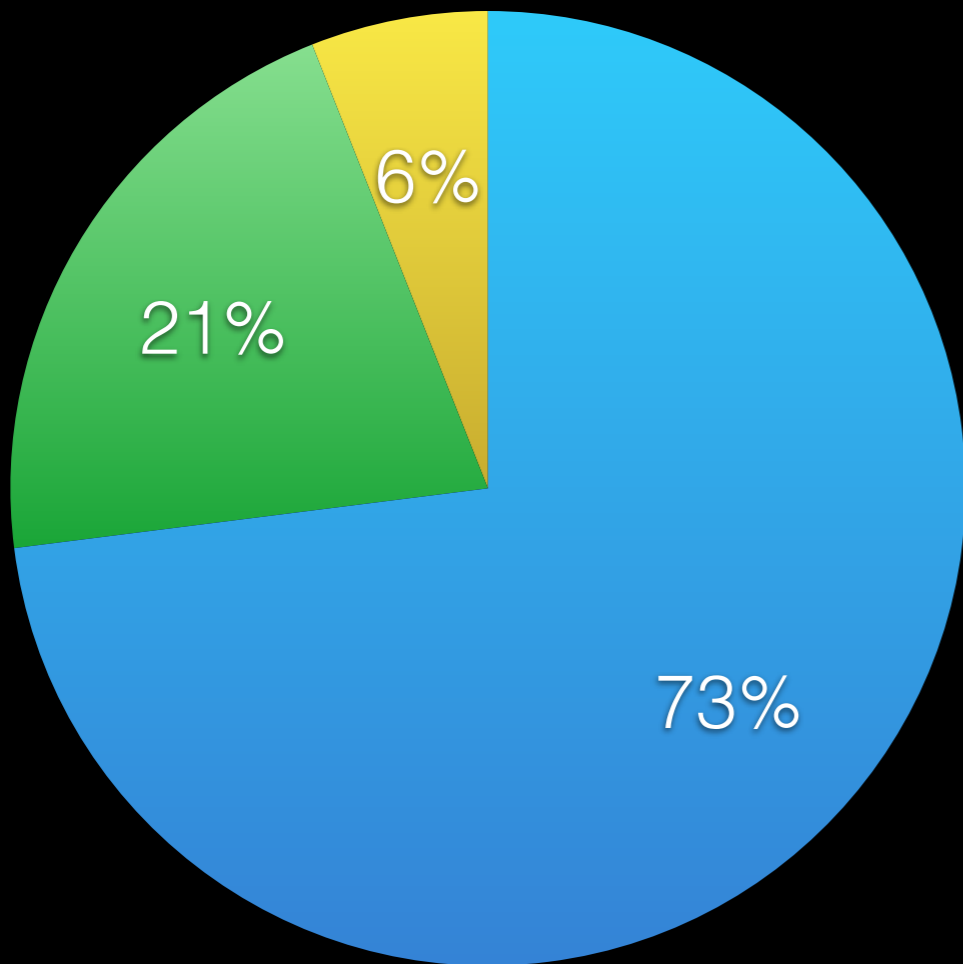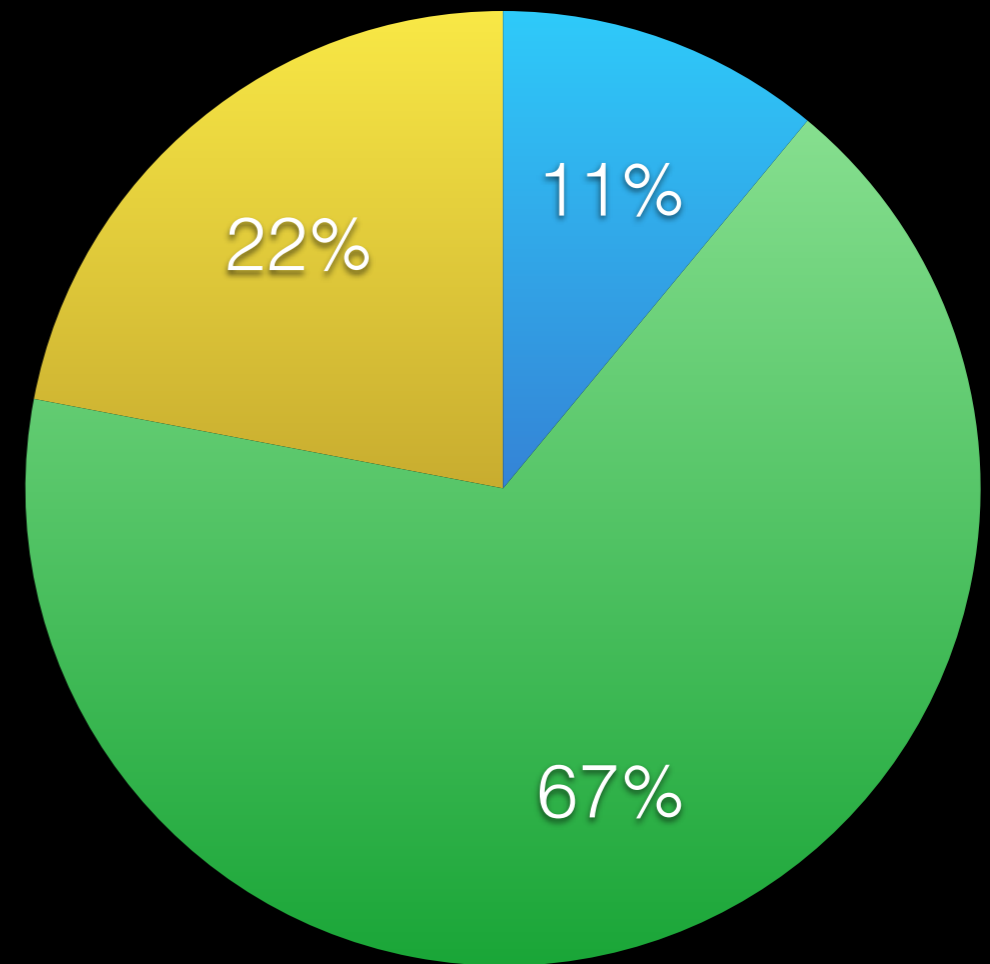- Continued partnership with Chronopolis/DPN

**D SPACE DIRECT**

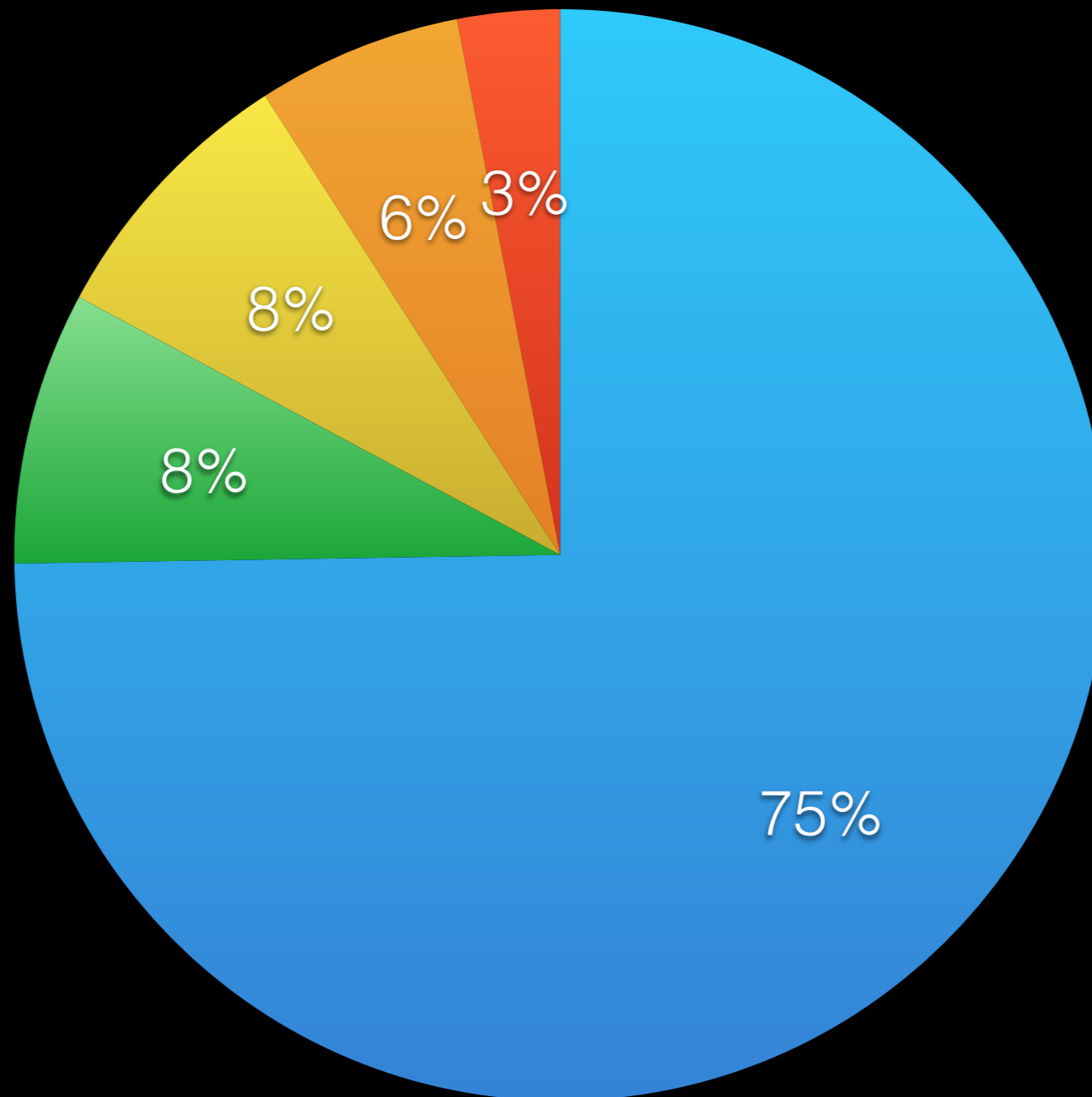**@rchives DIRECT**

**DURACLOUD™**

# Funding sources



2011

2014

6%

21%

73%

11%

22%

67%

● Grants  ● Community Fundraising  ● Services

# 2014 project expenses



75%

8%

8%

6%

3%

● Staff    ● Travel    ● Admin    ● Marketing    ● Indirect

# DuraSpace and Fedora

- Leadership and planning
- Budgeting - planning, support, administration
- Staffing - hiring, oversight, coordination
- Outreach, marketing, advocacy

There are over 320 Fedora installations (that we know of!)

Stats for 2014:
- 63 Fedora members
- 22 active developers
- 28 leadership group members
- 8 steering group members

# 2014 Fedora Members (63)

Arizona State University Libraries

Brown University Library

Case Western Reserve University Libraries

Charles Darwin University

Colorado Alliance of Research Libraries (CARL)

Columbia University Library

Cornell University

Docuteam GmbH

Durham University

Emory University

FIZ Karlsruhe

George Washington University

Ghent University Library

Gothenburg University Library

Indiana University

ICPSR

Johns Hopkins University Libraries

La Trobe University

London School of Economics & Political Science

LYRASIS

Macquarie University

National Library of Medicine

National Library of Wales / Llyfrgell Genedlaethol Cymru

National Research Council of Canada

Northeastern University Libraries

Northwestern University Libraries

Ohio State

Oregon State

Pennsylvania State University

Princeton University

Rutgers University Libraries

Smithsonian Institution, Office of Research Infomation Services

Stanford University

State and University Library of Denmark

Technical University of Denmark

The Art Institute of Chicago

Tufts University

University of Alberta

University of California, Los Angeles

University of California, Santa Barbara

University of Cincinnati

University of Connecticut Libraries

University of Hull

University of Lausanne

University of Manitoba

University of Massachusetts Amherst Libraries

University of New South Wales

University of Notre Dame

University of North Carolina

University of Oklahoma

University of Pittsburgh

University of Oxford

University of Prince Edward Island

University of Rochester Libraries

University of Texas Libraries Austin

University of Toronto

University of Virginia

University of Western Sydney
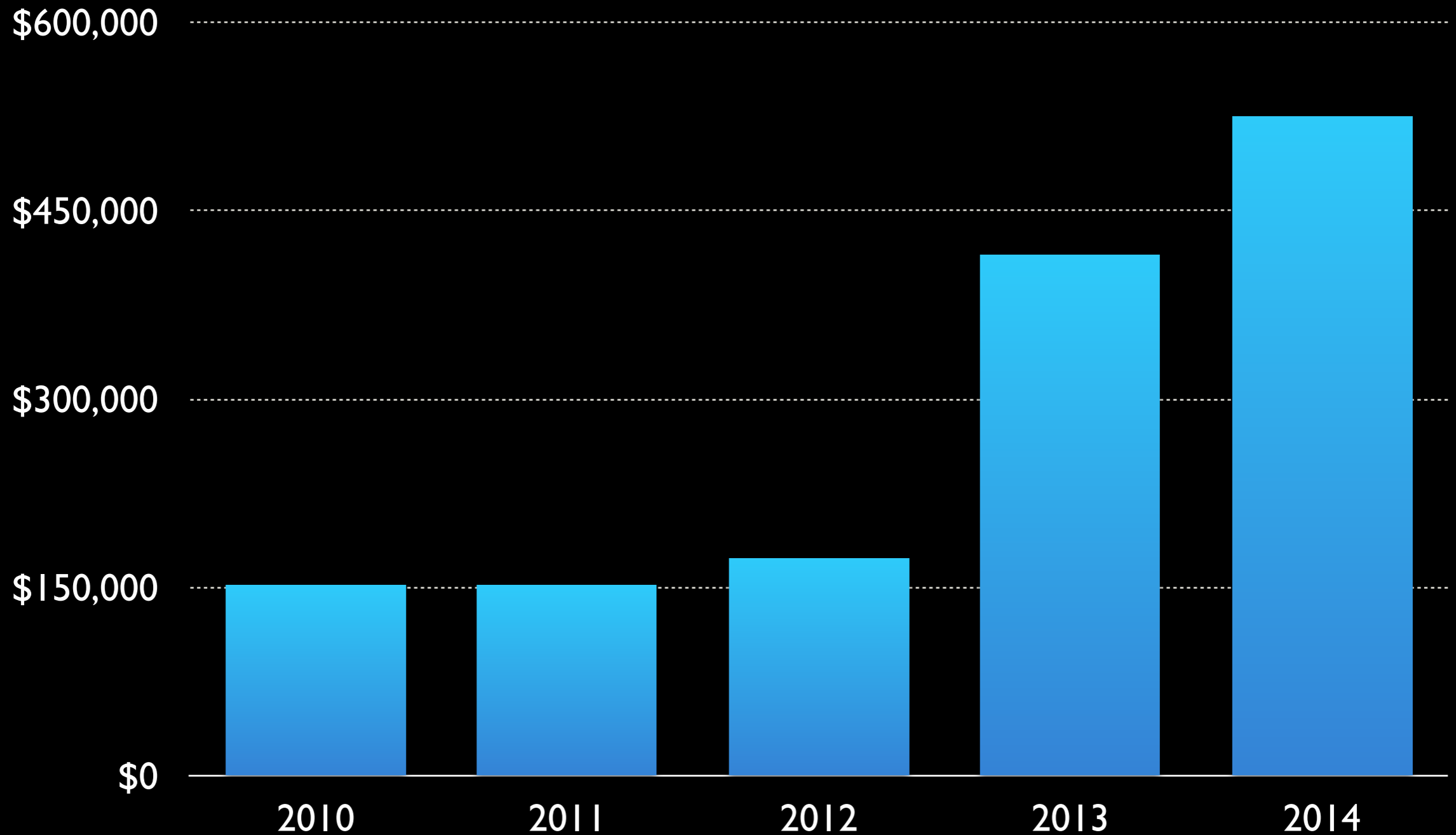
University of Wisconsin

University of York

Uppsala University

Yale University

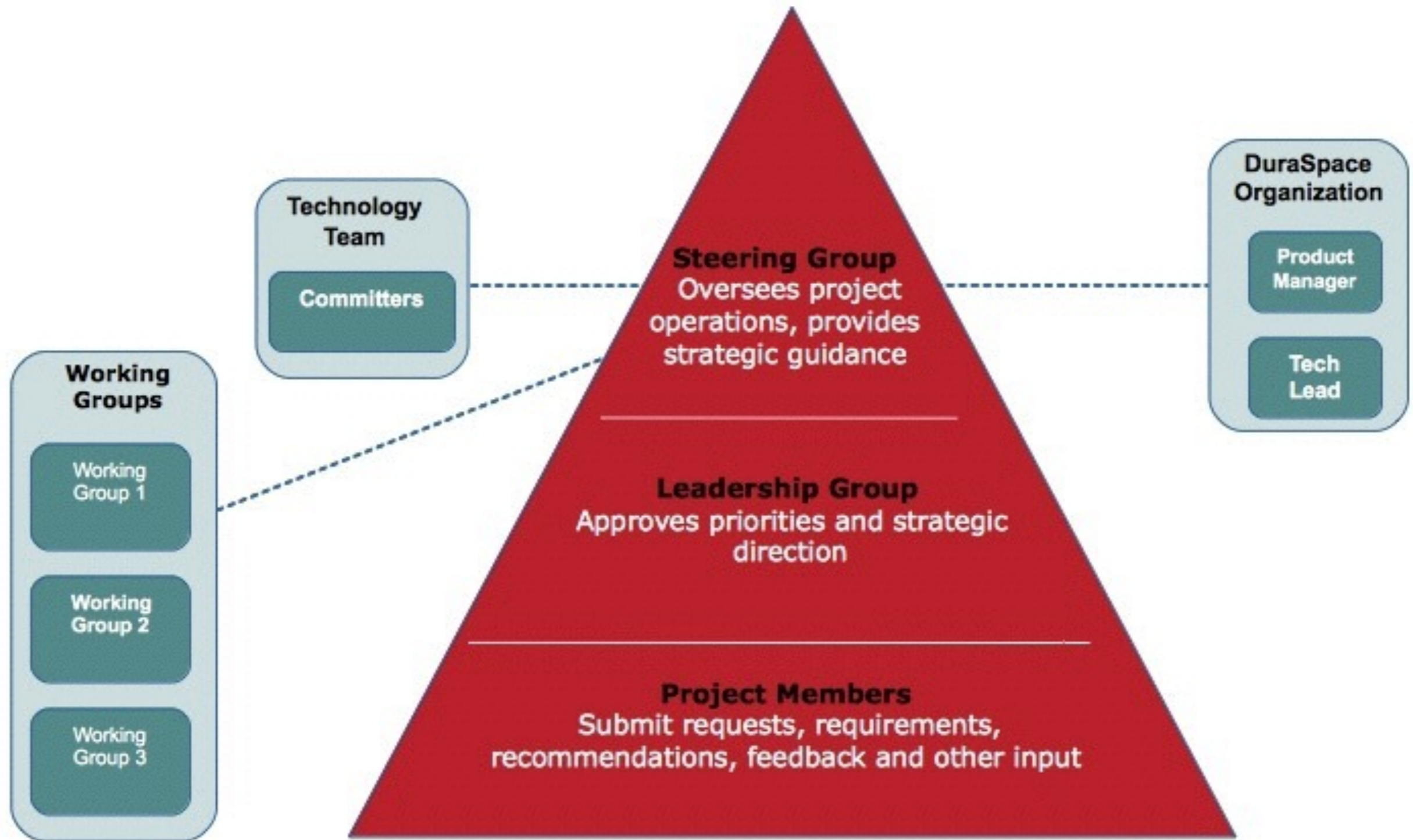York University

Sustainability

# We're broadening the funding base

- More members at lower funding amounts
- Raising the overall level of funding

# We've established a governance model

- Fedora is governed by a Leadership group and a Steering group

# Fedora Governance Model

**Technology Team**

Committers

**Working Groups**

Working Group 1

Working Group 2

Working Group 3

**DuraSpace Organization**

Product Manager

Tech Lead

**Steering Group**
Oversees project operations, provides strategic guidance

**Leadership Group**
Approves priorities and strategic direction

**Project Members**
Submit requests, requirements, recommendations, feedback and other input

# Governance benefits

| Level of contribution | Benefit |
|---|---|
| $2,500 | Contributors can nominate and elect one contributor at the $2,500 tier to join the Leadership Group |
| $5,000 | Contributors can nominate and elect two contributors at the $5,000 tier to join the Leadership Group |
| $10,000 | Contributors can nominate and elect four contributors at the $10,000 tier to join the Leadership Group |
| $20,000 | Contributors guaranteed one seat on the Leadership Group |
| 0.5 FTE Developer | Contributors guaranteed one seat on the Leadership Group |

New Developments

# Migration tools

Tools for migrating from Fedora 3 to 4

- migration-utils (generic + Islandora)
- fedora-migrate (Hydra)

We need community input, testing, and validation

# Portland Common Data Model

Flexible, extensible data model
- Defines collections, objects, and files
- Encourages linked data best practices

Promotes interoperability
- Currently being adopted by Hydra and Islandora

# Audit Service

Maintains a history of events for each repository resource

- Uses existing event system and an external triplestore

Designed and implemented via community participation

# Roadmap

1. Complete Upgration pilots by end of April

2. Release next major 4.x by OR2015

Release focus:
- Support Fedora 3.x to 4.x migrations
- Polish Fedora 4.0 edges

Training

# One-day workshops

3 successful workshops in October 2014

More one-day workshops in 2015
- DC Fedora User Group
- Northeast Fedora User Group
- Texas Conference on Digital Libraries

All workshop materials available online

# Fedora camp

Three-day workshop planned for Fall 2015

Curriculum development is underway
- All workshop materials available on the wiki

Focus on reusable materials and training new trainers

# Community participation

Fedora 3 to 4 migrations

- Participate in data modeling discussions
- Test migration utilities and report issues

Maintenance sprints

- Fix bugs and improve the codebase
- Need at least 2 developers per sprint

Questions?

# Useful links

- Fedora 4 wiki
  - https://wiki.duraspace.org/display/FF
- Fedora mailing lists
  - https://wiki.duraspace.org/display/FF/Mailing+Lists+etc
- Contact
  - dwilcox@duraspace.org
  - awoods@duraspace.org