

# Fedora 4 Update

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# DURA SPACE™

## Fedora Facts

- Managed by DuraSpace (not-for-profit)
- Funded by The Community\*
- Developed by The Community\*
- Supported by 2 full-time staff members (not developers)

*\*The Community = You*

# Our community

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

Stats for 2015 (so far):

- 68 Fedora members
- 15 active developers
- 28 leadership group members
- 8 steering group members

# Fedora committers

- Ben Armintor, Columbia University
- Chris Beer, Stanford University
- Aaron Coburn, Amherst College
- Osman Din, Yale University
- Mike Durbin, University of Virginia
- Adam Soroka, University of Virginia
- Esmé Cowles, University of California, San Diego
- Andrew Woods, DuraSpace

# 2015 Fedora Members (68)

Arizona State University Libraries

Brown University Library

Case Western Reserve University  
Libraries

Charles Darwin University

Columbia University Library

Cornell University

Denmark's Electronic Research Library

Docuteam GmbH

Duke University

Durham University

Emory University

Galter Health Sciences Library

George Washington University

Ghent University Library

Indiana University

ICPSR

Johns Hopkins University Libraries

Lafayette College

La Trobe University

London School of Economics & Political  
Science

LYRASIS

Macquarie University

McMaster University

National Library of Medicine

National Library of Wales / Llyfrgell

Genedlaethol Cymru

National Research Council of Canada

Northern Illinois University

Northwestern University Libraries

Ohio State

Oregon State

Pennsylvania State University

Princeton University

Rutgers University Libraries

Smithsonian Institution, Office of

Research Information Services

Stanford University

State and University Library 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

University of Houston

University of Hull

University of Lausanne

University of Manitoba

University of Maryland

University of Massachusetts Amherst  
Libraries

University of New South Wales

University of North Carolina

University of Notre Dame

University of Oklahoma

University of Oregon

University of Oxford

University of Pittsburgh

University of Prince Edward Island

University of Rochester Libraries

University of Texas Libraries Austin

University of The Sunshine Coast

University of Toronto

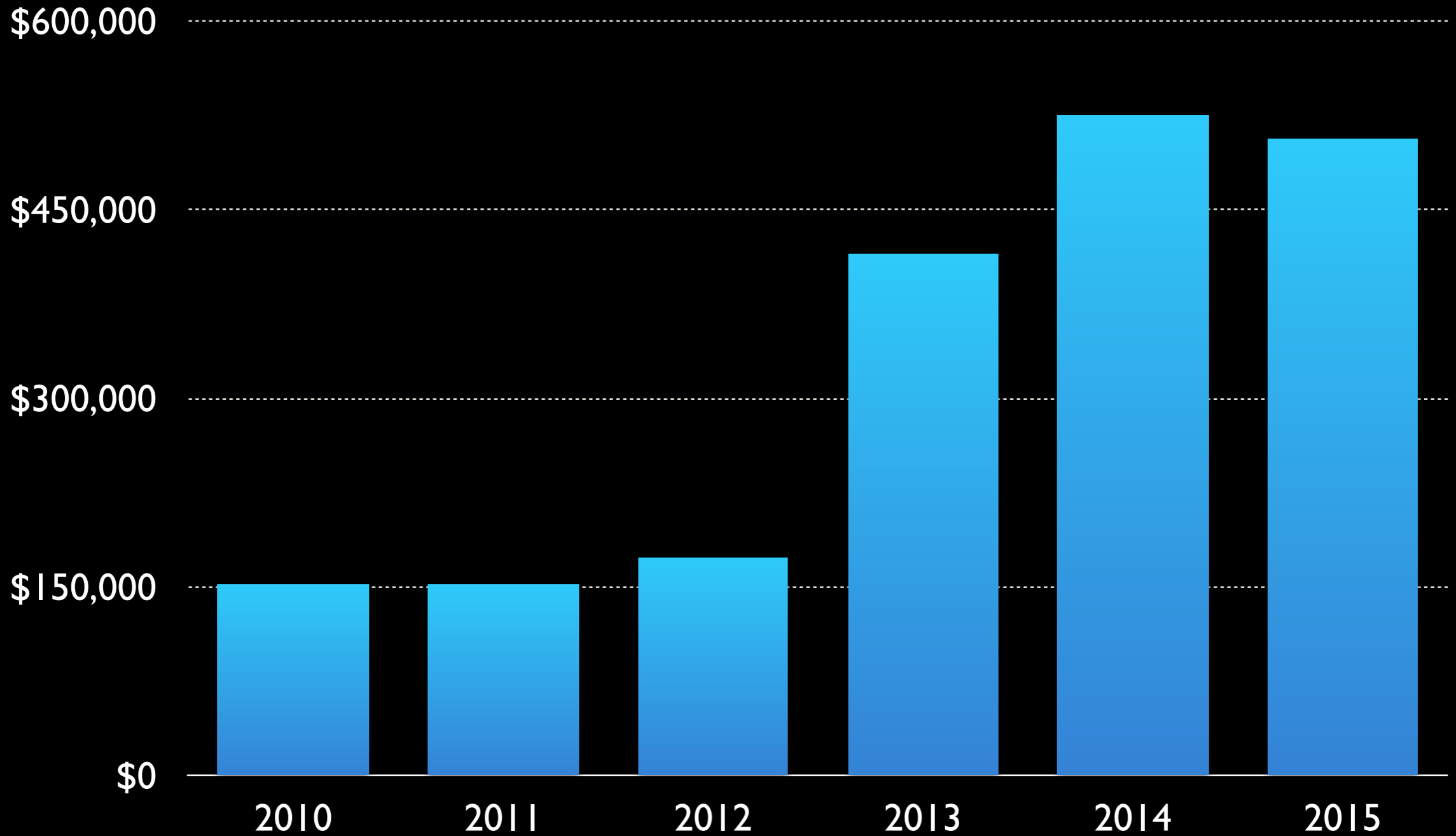
University of Virginia

University of Wisconsin

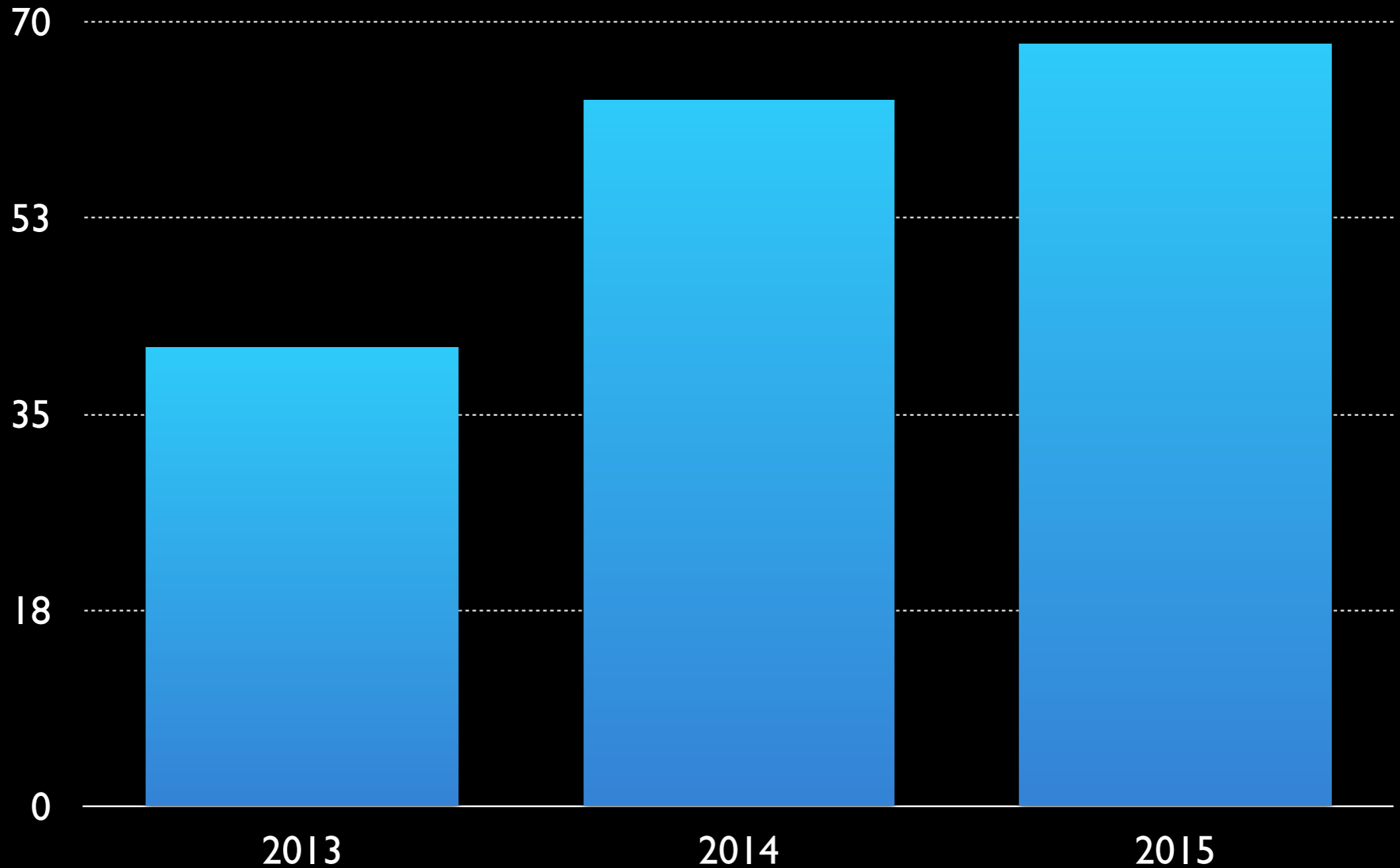
University of York

Yale University

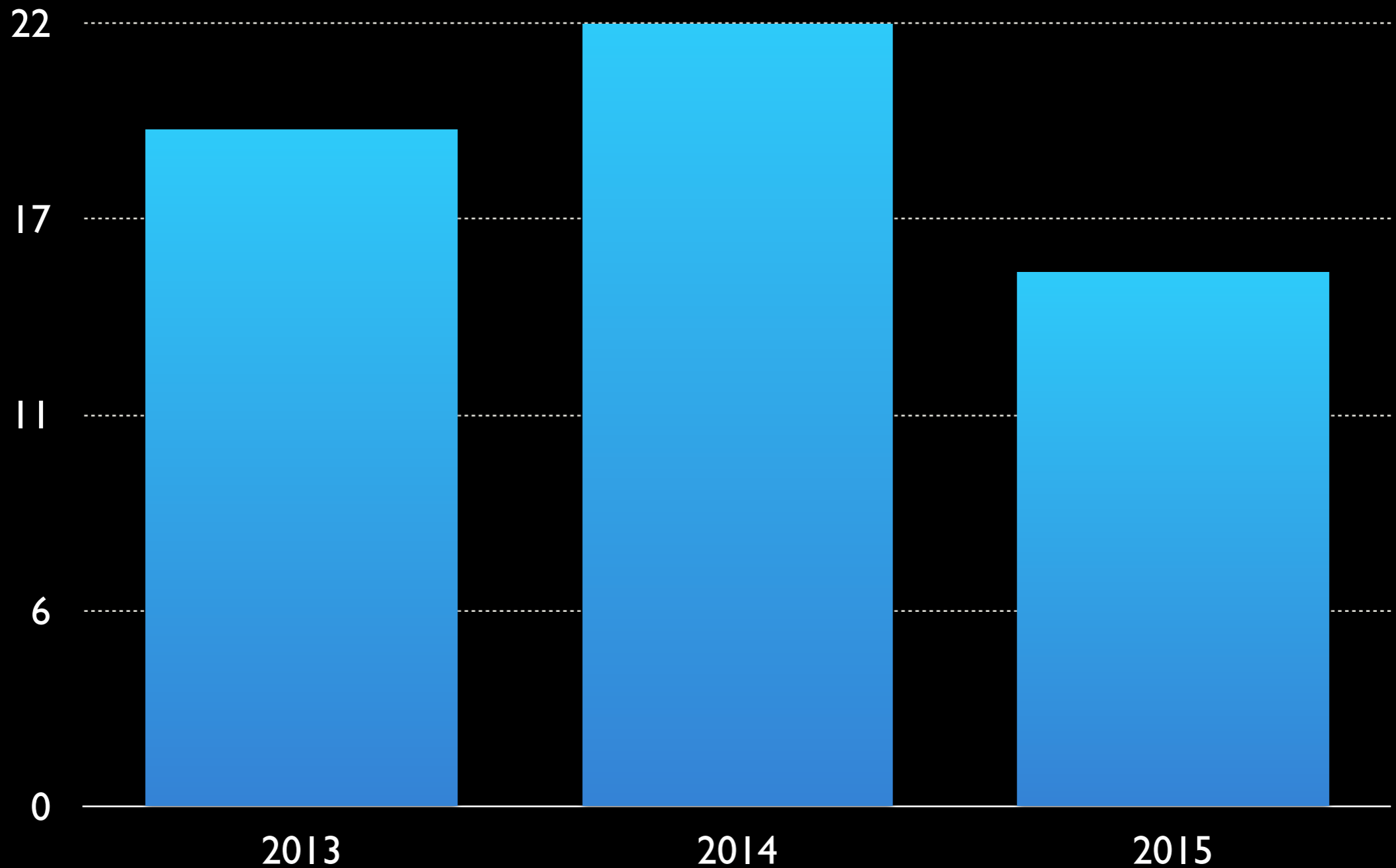
# Funding over time



# Members over time



# Active developers over time





# New Developments



# Core releases

Fedora 4.0 (Nov. 27/14): **First production release**

Fedora 4.1 (Feb. 4/15): **Camel Component**

Fedora 4.1.1 (Mar. 27/15): **Released by Mike Durbin**

Fedora 4.2 (May 19/15): **Audit Service**

Fedora 4.3 (July 24/15): **Released by Nick Ruest**

# Migration tools

Tools for migrating from Fedora 3 to 4

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

We need **more** 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, Islandora and custom installations

# WebAccessControl

Optional authorization delegate

Implements **W3C WebAC** standard

Designed and (will be) implemented via  
community participation

# Production Implementations

Focus on **upgration from Fedora 3 to 4**

Looking for institutions implementing Fedora 4 in production

Aim to complete by early 2016



# Roadmap

# Feature development

Focusing on features with stakeholder support

Asynchronous Storage

Transparent File-system

API Extension Architecture



# Long term

1. Closer alignment with **LDP**

Working with W3C LDP working group

2. Identifying and aligning with **community standards**

3. Focusing on **sustainability**

Shrinking and maintaining the codebase



Training

# One-day workshops

## One-day workshops in 2015

- DC Fedora User Group
- Texas Conference on Digital Libraries
- Northeast Fedora User Group
- University of Tennessee, Knoxville
- RDA Plenary, Paris
- eResearch Australasia
- iPRES

All workshop materials available online

# Future workshops

Both single day and multi-day training available

Fedora Camp prototype in November

Looking for good locations/dates in Europe in 2016

# Developer Camp

Training event for **new Fedora 4 developers**

Classroom-style, **focus on improving Java/Fedora 4 skills**

Homework component: **work on Fedora 4!**

# Community participation

## Fedora 3 to 4 upgrations

- Test migration utilities and report issues

## Feature sprints

- Use cases, testing, and developer effort needed

## Maintenance sprints

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

# 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](mailto:dwilcox@duraspace.org)
  - [awoods@duraspace.org](mailto:awoods@duraspace.org)