## DURASPACE

# How Things Get Done: DSpace Edition

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2014 DuraSpace Sponsor Summit



#### Who are the "Do-ers"?

- Committers Team
- DSpace Community Advisory Team (DCAT)
- DuraSpace staff
  - -Tim: ~50-60% time
  - Val: part time (DCAT mostly)
  - Others: small portions of time
- DSpace Vision Team
- DSpace Ambassadors (outreach)



### Role of Committers

- 24 volunteer developers (19 inst.)
  - USA (9), Belgium (3), UK (3), Italy (2), New
     Zealand (2), Czech Republic, Germany, Greece,
     Japan, Portugal
- Meritocracy
- Roles:
  - Technology Decision Makers
  - Release Team
  - Lead Devs / Code Reviewers / Tester

#### Role of DCAT

- 22 volunteers (repository managers)
- Roles:
  - Facilitate community discussions on new features
  - Work with Committers to define new feature use cases / review functionality
  - Contribute to Testing



## Role of DuraSpace

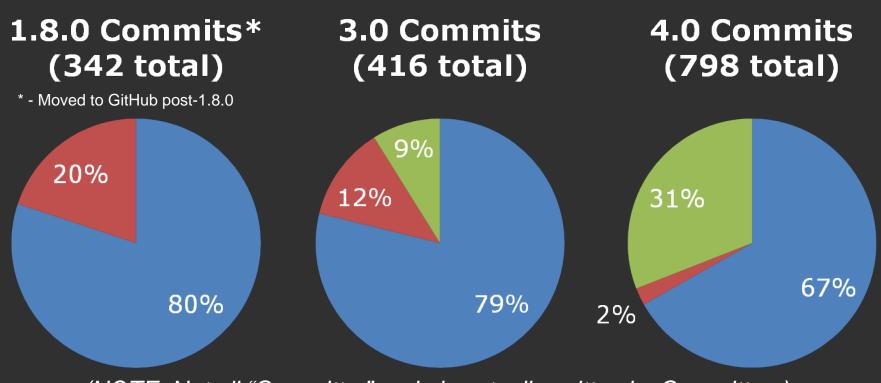
- Technology Leadership / Facilitation (Tim)
- Community Outreach (Val, others)
- Marketing & Communications
- Executive Leadership
- Business Administration



## Who does the coding?

- Committers Team
  - And developers at their institutions
- The Community
  - Submit code for review (via GitHub)
- Recent Major Releases:
  - -4.0:59 contributors (19 Committers)
  - -3.0: 43 contributors (14 Committers)
  - -1.8: 44 contributors (14 Committers)

## Code Commits to DSpace



(NOTE: Not all "Committer" code is actually written by Committers)

Committers (non-DuraSpace)

DuraSpace

DUKASPACE

Data based on commits between release dates, from: https://github.com/DSpace/DSpace/graphs/contributors

**Community Members** 

## How does code get in?

- Ad hoc, developer-driven planning process
- New features must fit in the "time box"
  - New major release at end of every year
- Anyone can submit code for public review (via GitHub)



#### Committer Decision Process

- Committers trust one another
- New Features approved by at least 2 Committers
  - Consult with DCAT on new features
- When controversy, majority vote wins
  - But, Committers have veto power on code

#### To Editorialize...

- Possible Process Benefits:
  - DSpace software is truly a community collaboration
  - Developers (esp. Committers) are empowered / have sense of ownership
  - More active (developer) community?



#### To Editorialize...

- Possible Process Detriments:
  - Dependent on volunteerism
  - Long term planning can be difficult
    - Committers mostly work release-by-release
    - Large scale projects are harder, unless one or more institutions "invest" developers
  - Those with Committers/developers have a bigger "say" in direction



## Questions / Comments?

