

Enhancing the Galaxy Experience through Community Involvement

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<http://UseGalaxy.org>

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<http://wiki.galaxyproject.org/GalaxyTeam>

Overview

What is Galaxy?

Usage / Contributions

Virtual Interactions

ToolShed

Events and Outreach

Overview

What is Galaxy?

Usage / Contributions

Virtual Interactions

ToolShed

Events and Outreach

Galaxy Project Mission

Galaxy is an open, web-based platform for accessible, reproducible, and transparent computational biomedical research.

Accessible: Users without programming experience can easily specify parameters and run tools and workflows.

Reproducible: Galaxy captures information so that any user can repeat and understand a complete computational analysis.

Transparent: Users share and publish analyses via the web and create Pages, interactive, web-based documents that describe a complete analysis.

What is Galaxy?

A **data analysis and integration** tool

A **free (for everyone) web service** integrating a wealth of tools, compute resources, terabytes of reference data and permanent storage

Open source software that makes integrating your own tools and data and customizing for your own site simple

There are several **ways to use Galaxy**

Using Galaxy - 4 ways

- Public Main Galaxy web instance: *usegalaxy.org*
- Local instance: *getgalaxy.org*
- Cloud instance: *usegalaxy.org/cloud*
- Other Public Galaxy web instances hosted by various groups:
wiki.galaxyproject.org/PublicGalaxyServers



Galaxy as a *Genomics WorkBench*

Dataset:

Any input, output or intermediate set of data + metadata.
A record of a specific data or analysis step.

History:

A series of inputs, analysis steps, intermediate datasets, and outputs. A record of a group of data and analysis steps.

Tool:

An operation within Galaxy that acts upon dataset(s) as an analysis step. May be developed by Galaxy team or a 3rd party program that has been “wrapped” for Galaxy.

Workflow:

A series of analysis steps executed as a unit.

More Galaxy Terminology

Share:

Make something available to someone else

Publish:

Make something available to everyone

Galaxy Page:

Analysis documentation within Galaxy; easy to embed and link to any Galaxy object (histories, datasets, workflows, visualization) or external resource (video, graphics, publications).

Visualize:

External resources. **Trackster**. Galaxy Charts (D3/NVD3).

Galaxy Analysis Workspace

Galaxy Using 10.0 TB

Tools Load Data

search tools

[Get Data](#)

[Send Data](#)

[Lift-Over](#)

[Text Manipulation](#)

[Convert Formats](#)

[FASTA manipulation](#)

[Filter and Sort](#)

[Join, Subtract and Group](#)

[Extract Features](#)

[Fetch Sequences](#)

[Fetch Alignments](#)

[Get Genomic Scores](#)

[Operate on Genomic Intervals](#)

[Statistics](#)

[Graph/Display Data](#)

[Regional Variation](#)

[Multiple regression](#)

[Multivariate Analysis](#)

[Evolution](#)

[Motif Tools](#)

[Multiple Alignments](#)

[Metagenomic analyses](#)

[Genome Diversity](#)

[NGS TOOLBOX BETA](#)

[Phenotype Association](#)

[NGS: QC and manipulation](#)

Analyze Data Workflow Shared Data Visualization Cloud Admin Help User

Map with BWA for Illumina (version 1.2.3)

Will you select a reference genome from your history or use a built-in index?: Use a built-in index

Select a reference genome: Human (Homo sapiens) (hg19 with mtDNA replaced with rCRS): Homo_sapiens_nuHg19_mtrCRS

Is this library mate-paired?: Paired-end

Forward FASTQ file: 1: raw_child-ds-1.fq

FASTQ with either Sanger-scaled quality values (fastqsanger) or Illumina-scaled quality values (fastqillumina)

Reverse FASTQ file: 2: raw_child-ds-2.fq

FASTQ with either Sanger-scaled quality values (fastqsanger) or Illumina-scaled quality values (fastqillumina)

BWA settings to use: Commonly Used

For most mapping needs use Commonly Used settings. If you want full control use Full Parameter List

Suppress the header in the output SAM file:

BWA produces SAM with several lines of header information

Execute

What it does

BWA is a fast light-weighted tool that aligns relatively short sequences (queries) to a sequence database (large), such as the human reference genome. It is developed by Heng Li at the Sanger Institute. Li H. and Durbin R. (2009) Fast and accurate short read alignment with Burrows-Wheeler transform. Bioinformatics, 25, 1754-60.

History

Galaxy 101 NGS Variant 313.4 MB

21: Filter on data 20

20: Filter on data 19

19: Variant Annotator on data 17

18: FreeBayes on data 15 (variants)

17: Naive Variant Caller on data 15

16: child-mother Merge BAM Files.log

15: child-mother.bam

14: Add or Replace Groups on data 12: bam with read groups replaced

13: Add or Replace Groups on data 11: bam with read groups replaced

12: SAM-to-BAM on data

10: converted BAM

11: SAM-to-BAM on data 9: converted BAM

10: Filter SAM on data 8

Know what you are doing

Galaxy Analysis Workspace

Galaxy Using 10.0 TB

Analyze Data Workflow Shared

Tools Load Data

search tools

Get Data Send Data Lift-Over Text Manipulation Convert Formats FASTA manipulation Filter and Sort Join, Subtract and Group Extract Features Fetch Sequences Fetch Alignments Get Genomic Scores Operate on Genomic Intervals Statistics Graph/Display Data Regional Variation Multiple regression Multivariate Analysis Evolution Motif Tools Multiple Alignments Metagenomic analyses Genome Diversity NGS TOOLBOX BETA Phenotype Association NGS: QC and manipulation

Map with BWA for Illumina (version 1.2.3)

Will you select a reference genome from your history or use a built-in index? Use a built-in index

Select a reference genome: Human (Homo sapiens) (hg19 with mtDNA replaced with rCRS)

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FASTQ with either Sanger-scaled quality values (fastqsanger) or Illumina-scaled quality values (fastqillumina).

BWA settings to use: Commonly Used

For most mapping needs use Commonly Used settings. If you want to change them, click here.

Suppress the header in the output SAM file:

BWA produces SAM with several lines of header information.

Execute

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8: A job that will surely fail

7: top 5 exons

6: Select first on data 5

5: Sort on data 4
15,310 lines
format: tabular, database: hg19

1 uc003qqn.2_cds_0_0_chr6_157099238_f 1
uc003qqa.2_cds_0_0_chr6_157099238_f 1
uc003qqp.2_cds_0_0_chr6_157099238_f 1
uc003hqu.2_cds_4_0_chr4_88534937_f 1
uc001vqv.2_cds_1_0_chr13_110434389_r 8
uc001vsb.1_cds_0_0_chr13_112721973_f 8

History

Galaxy 101 NGS Variant 313.4 MB

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10: Filter SAM on data 8

Know what you are doing

Workflow Editor

Galaxy

Workflow Canvas | metagenomic analysis

Analyze Data Workflow Shared Data Visualization Cloud Help User

Tools

- search tools
- Get Data
- Send Data
- ENCODE Tools
- Lift-Over
- Text Manipulation
- Convert Formats
- FASTA manipulation
- Filter and Sort
- Join, Subtract and Group
- Extract Features
- Fetch Sequences
- Fetch Alignments
- Get Genomic Scores
- Operate on Genomic Intervals
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- Multiple regression
- Multivariate Analysis
- Evolution
- Motif Tools
- Multiple Alignments
- Metagenomic analyses
- Genome Diversity
- Phenotype Association
- EMBOSS
- NGS TOOLBOX BETA
- NGS: QC and manipulation
- NGS: Mapping
- NGS: SAM Tools
- NGS: GATK Tools (beta)
- NGS: Variant Detection
- NGS: Indel Analysis
- NGS: Peak Calling
- NGS: RNA Analysis
- NGS: Picard (beta)
- BEDTools
- snpEff
- RGENETICS
- SNP/WGA: Data; Filters
- SNP/WGA: QC; LD; Plots
- SNP/WGA: Statistical Models
- Workflow control
- Inputs

Tool: Megablast

Version: 1.2.0

Compare these sequences
Data input 'input_query' (fasta)
against target database: ▾
 htgs 28-Jan-2013
 nt 28-Jan-2013
 wgs 28-Jan-2013
 phiX174

using word size: ▾ 28

report hits above this identity (-perc_identity): ▾ 80.0

set expectation value cutoff (-evalue): ▾ 0.0001

Filter out low complexity regions? (-dust): Yes

Edit Step Actions

Rename Dataset
output1 Create

Add actions to this step; actions are applied when this workflow step completes.

Edit Step Attributes

Annotation / Notes:

Add an annotation or notes to this step; annotations are available when a workflow is viewed.

Note: Database searches may take substantial amount of time. For large input datasets it is advisable to allow overnight processing.

What it does

This tool runs megablast function of BLAST+ blastn tool - a high performance nucleotide local aligner developed by Webb Miller and colleagues.

Output format

Output of this tool contains 13 columns delimited by Tabs:

1. Id of your sequence

Create Workflow Automatically

Extract Workflow from History

Create a workflow from a History that you created interactively.

Run it

Running workflow "metagenomic analysis"

Generic workflow for performing a metagenomic analysis on NGS data.

[Expand All](#) [Collapse](#)

Step 1: Input dataset
454 Reads

reads 
1: 454 reads 
type to filter

Step 2: Input dataset
454 Quality Dataset

qualities 
2: 454 qualities 
type to filter

Step 3: Select high quality segments (version 1.0.0)
Here we select segments of reads with contiguous high quality bases above threshold phred score of 20

Step 4: FASTA-to-Tabular (version 1.1.0)
Convert to tabular format so that column for additional metadata can be added

Step 5: Assign taxonomy
Add column [Step 14: Find lowest diagnostic rank](#) (version 1.0.1)
Get reads specific to ranks below Kingdom level

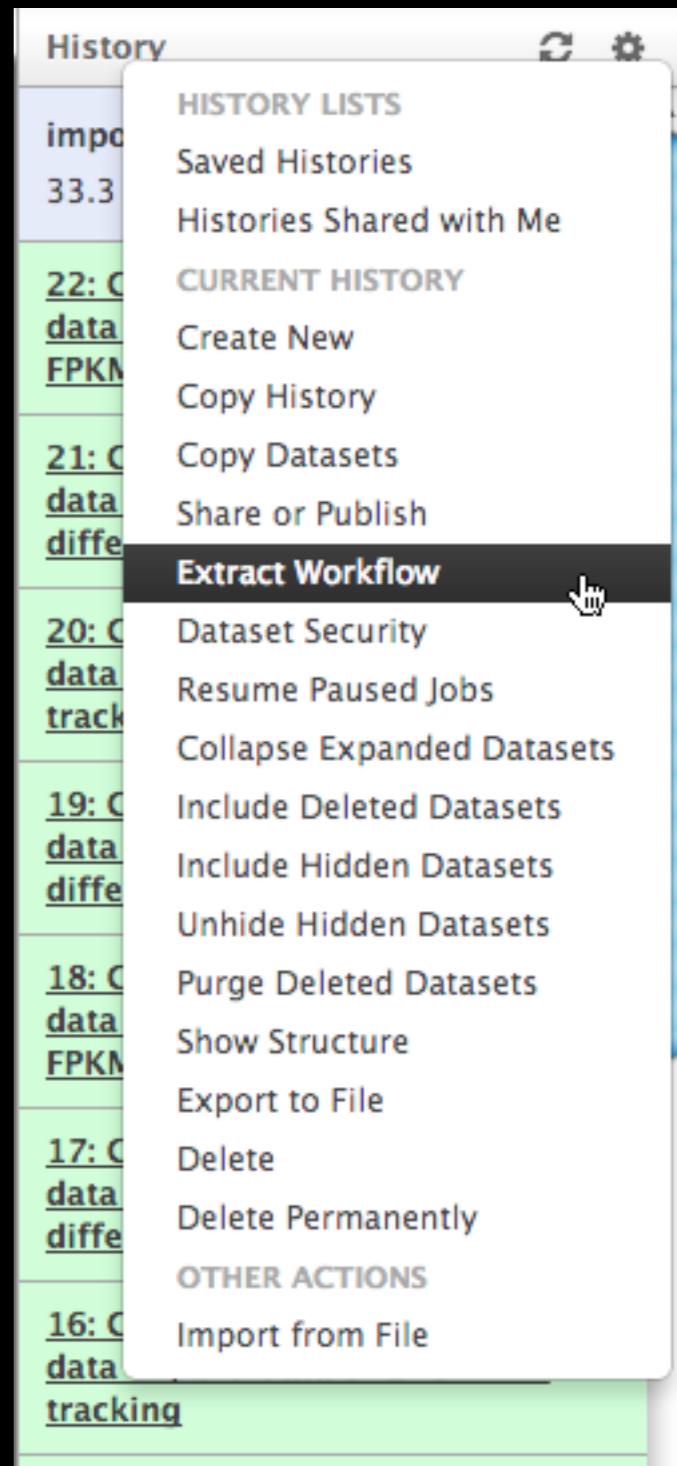
Step 6: Taxonomy
Convert to tabular format [Step 15: Summarize taxonomy](#) (version 1.0.0)
Tabulate list of taxonomic groups contained in reads from dataset 14

Step 7: M
[Step 16: Draw phylogeny](#) (version 1.0.0)
Build and draw phylogenetic tree from ranks in dataset 14

Step 8: M

Send results to a new history

Run workflow



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[Advanced Search](#)

Windshield splatter analysis with the Galaxy metagenomic pipeline

Sergei Kosakovsky Pond^{1,2,6,9}, Samir Wadhawan^{3,6,7},

François...

Footnotes

[Supplemental material is available online at <http://www.genome.org>. All data and tools described in this manuscript can be downloaded or used directly at <http://galaxyproject.org>. Exact analyses and workflows used in this paper are available at <http://usegalaxy.org/u/aun1/p/windshield-splatter>.]

OPEN ACCESS ARTICLE

This Article

Published in Advance October 9, 2009, doi: [10.1101/gr.094508.109](https://doi.org/10.1101/gr.094508.109)

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Current Issue

October 2010, 20 (10)



Histories, workflows, visualizations and *pages* can be shared with others or published to the world.

<http://usegalaxy.org/u/aun1/p/windshield-splatter>

Windshield splatter analysis with the Galaxy metagenomic pipeline: A live supplement

SERGEI KOSAKOVSKY POND^{1,2,*}, SAMIR WADHAWAN^{3,6*}, FRANCESCA CHIAROMONTE⁴, GURUPRASAD ANANDA^{1,3}, WEN-YU CHUNG^{1,3,7}, JAMES TAYLOR^{1,5}, ANTON NEKRUTENKO^{1,3} and THE GALAXY TEAM^{1*}

Correspondence should addressed to [SKP](#), [JT](#), or [AN](#).

How to use this document

This document is a live copy of supplementary materials for [the manuscript](#). It provides access to the **exact** analyses and workflows discussed in the paper, so you can play with them by re-running, changing parameters, or even applying them to your own data. Specifically, we provide the two histories and one workflow found below. You can view these items by clicking on their name to expand them. You can also import these items into your Galaxy workspace and start using them; click on the green plus to import an item. To import workflows you must [create a Galaxy account](#) (unless you already have one) – a hassle-free procedure where you are only asked for a username and password.

This is the Galaxy history detailing the comparison of our pipeline to MEGAN:

[+ Galaxy History | Galaxy vs MEGAN](#) Comparison of Galaxy vs. MEGAN pipeline. [+](#) [↗](#)

This is the Galaxy history showing a generic analysis of metagenomic data. (This corresponds to the "A complete metagenomic pipeline" section of the manuscript and [Figure 3A](#)):

[+ Galaxy History | metagenomic analysis](#) Generic workflow for performing a metagenomic analysis on NGS data. [+](#) [↗](#)

This is the Galaxy workflow for generic analysis of metagenomic data. (This corresponds to the "A complete metagenomic pipeline" section of the manuscript and [Figure 3B](#)):

[+ Galaxy Workflow | metagenomic analysis](#) Generic workflow for performing a metagenomic analysis on NGS data. [+](#) [↗](#)

Accessing the Data

Windshield Splatter datasets analyzed in this manuscript can be accessed through this [Galaxy Library](#). From there they can be imported through Galaxy via the share workflow or downloaded.



Author

aun1

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Community

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Overview

What is Galaxy?

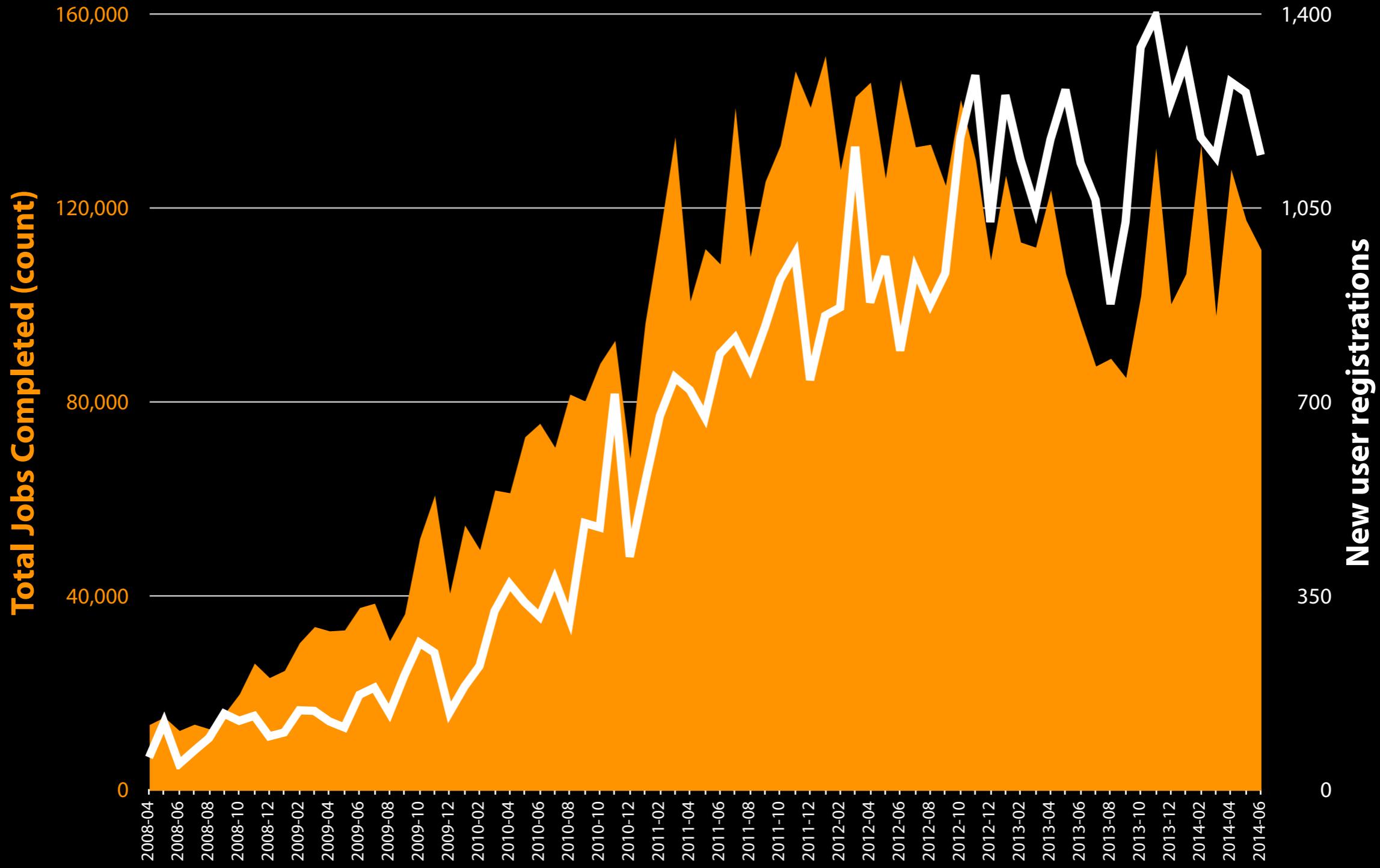
Usage / Contributions

Virtual Interactions

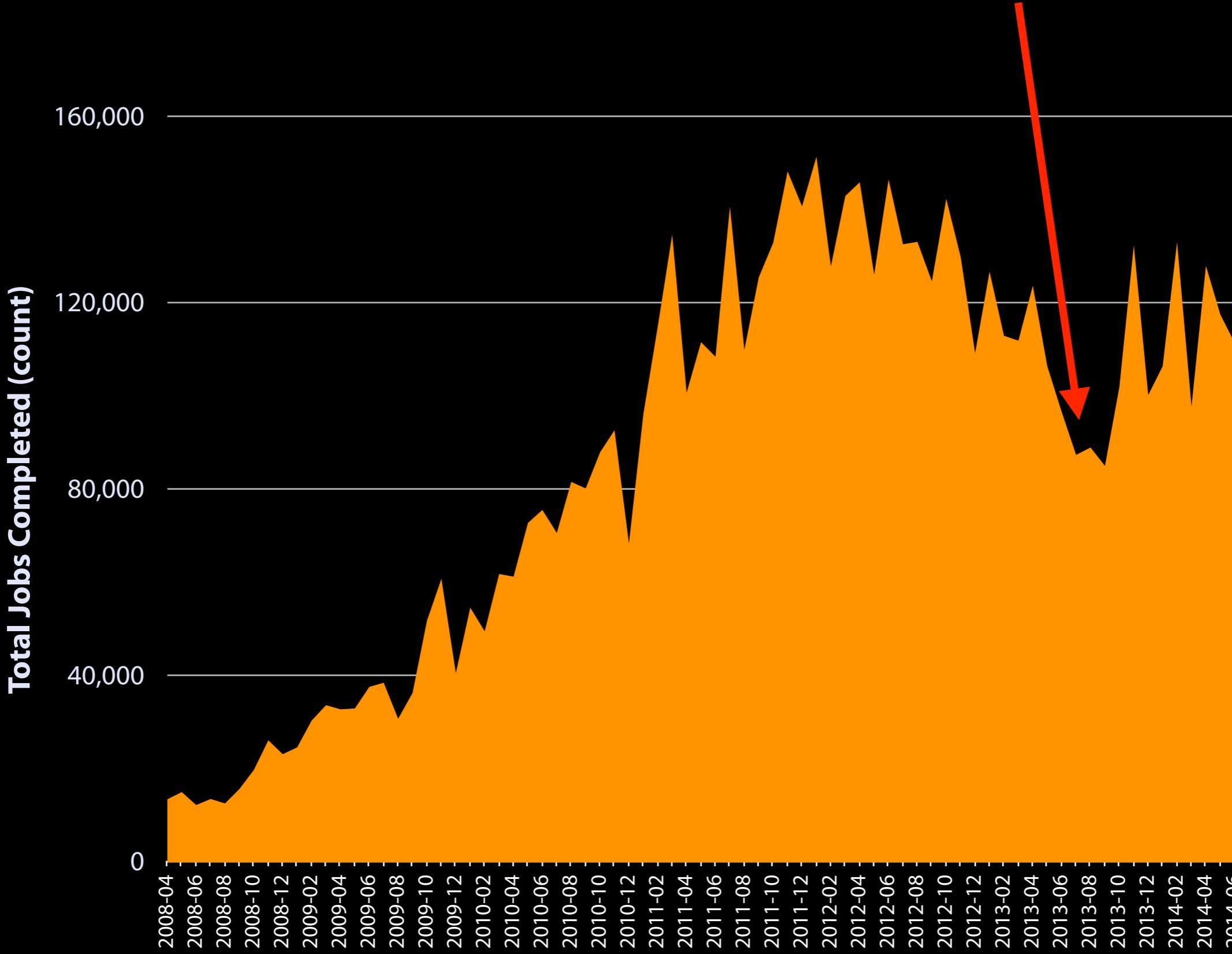
ToolShed

Events and Outreach

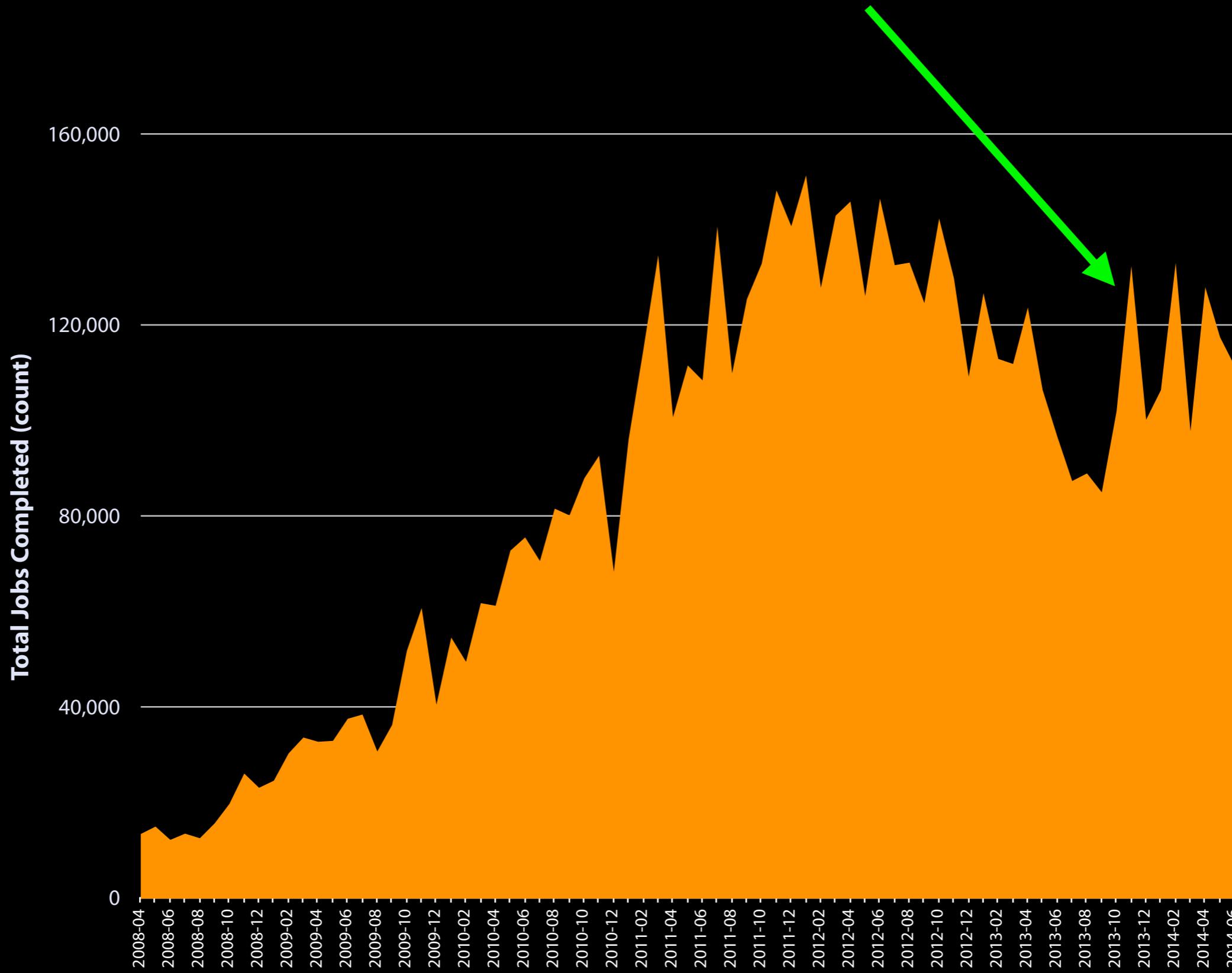
user dynamics at usegalaxy.org



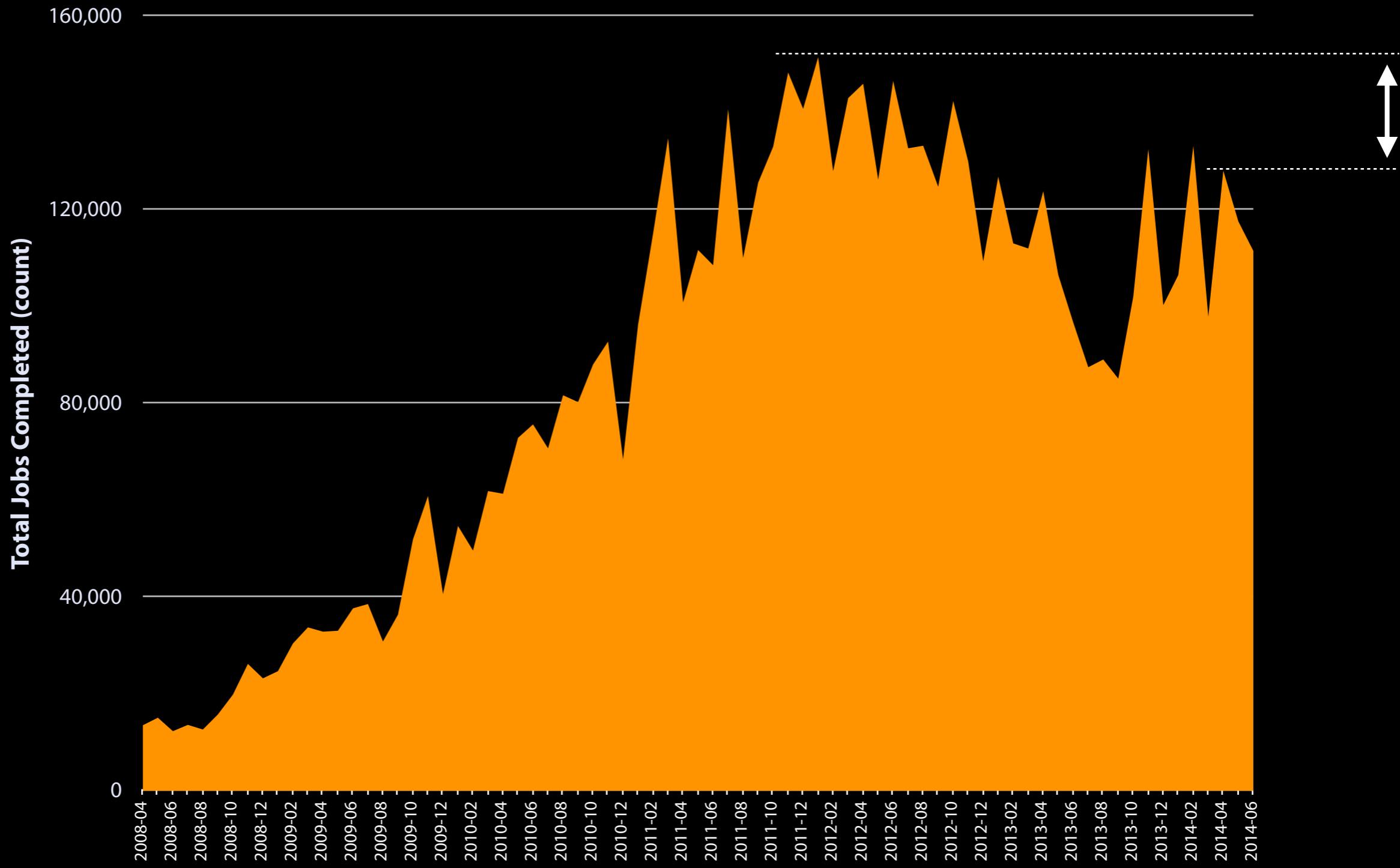
severe resource bottleneck



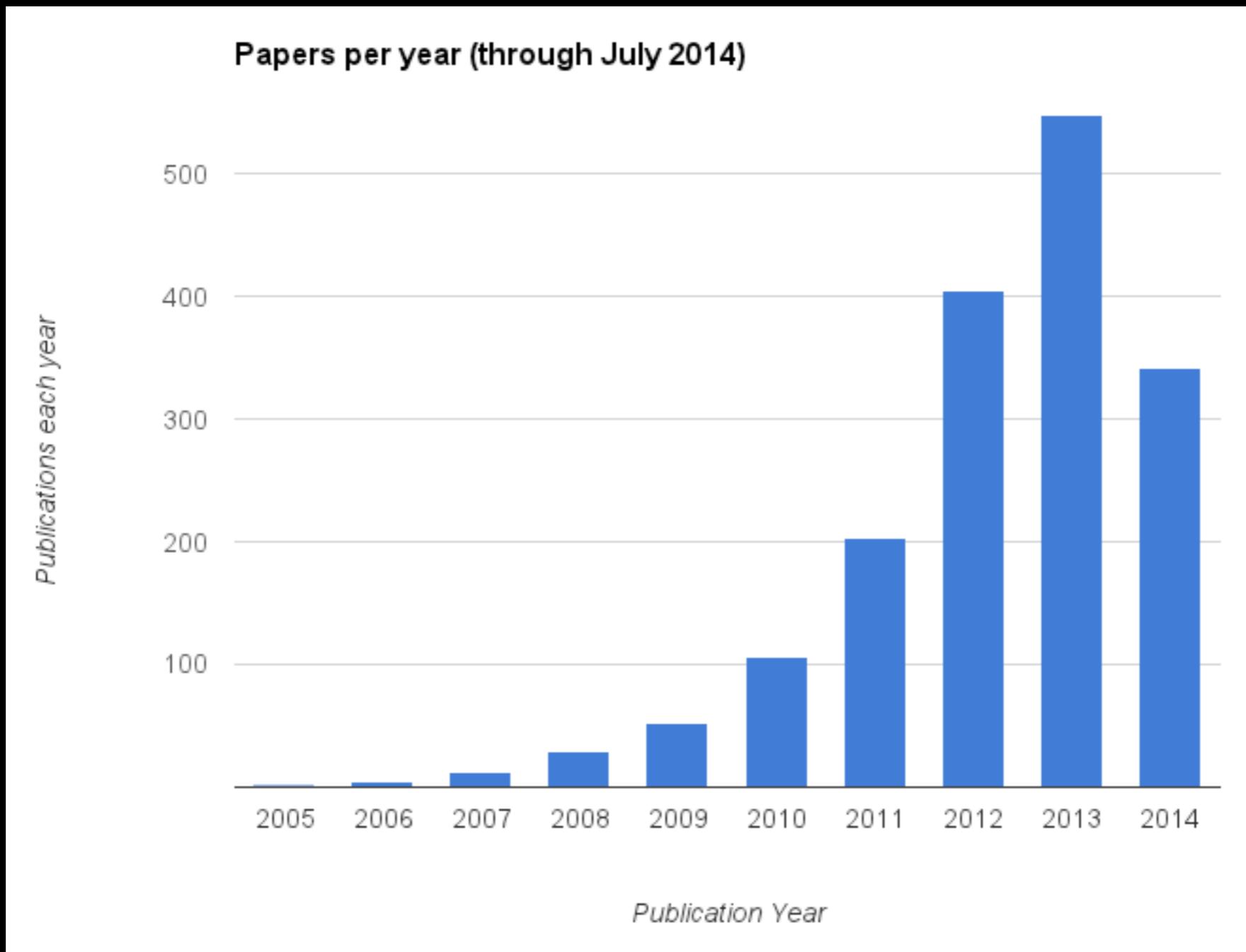
move to TACC



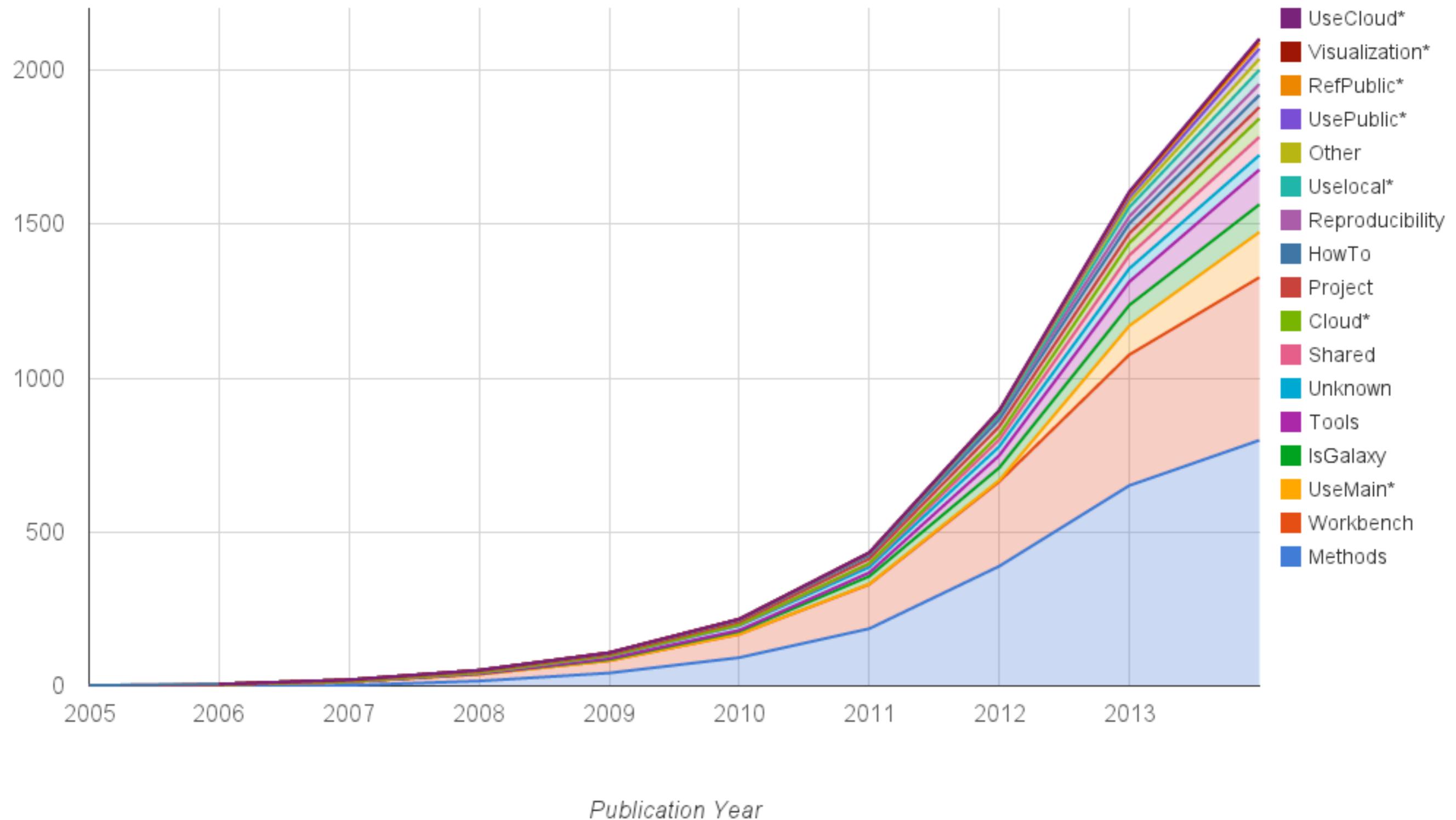
data is bigger = jobs are longer



Citations / Publications



Publications: Cumulative Tags per Year (through July 2014)



Community Code Contributions

12 Month Summary

Jun 30 2013 — Jun 30 2014

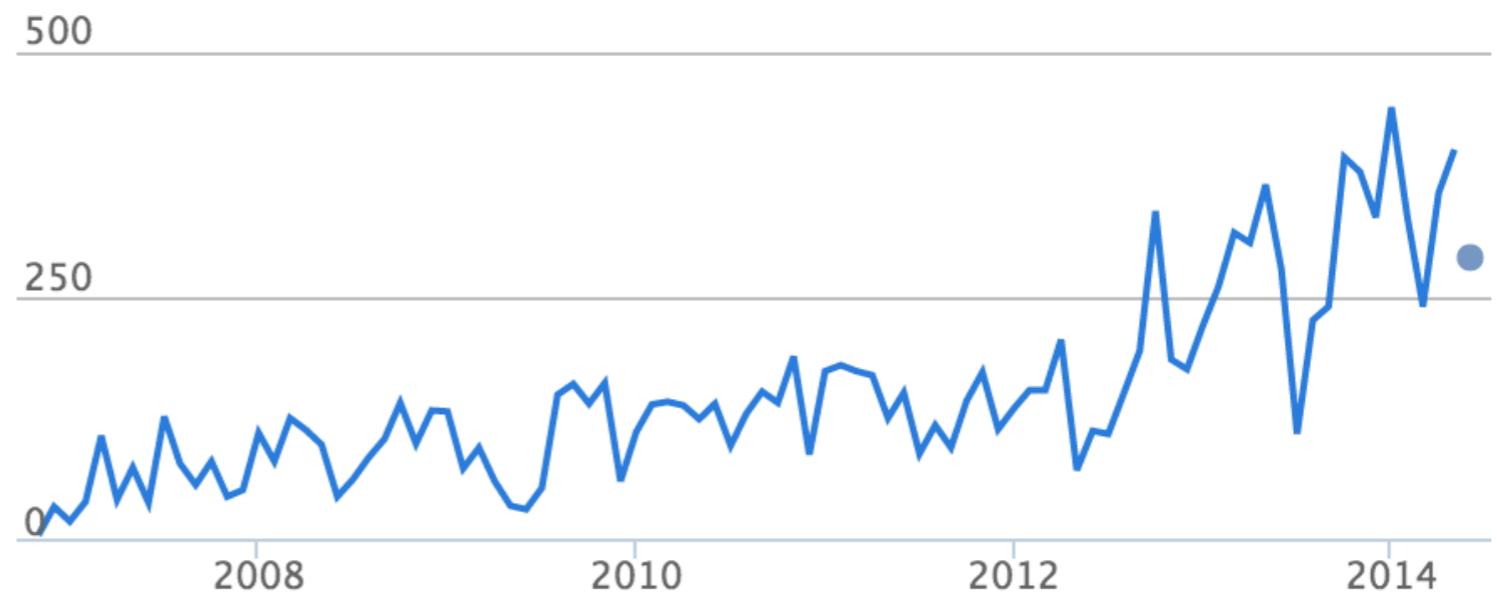
3738 Commits

Up +840 (28%) from previous 12 months

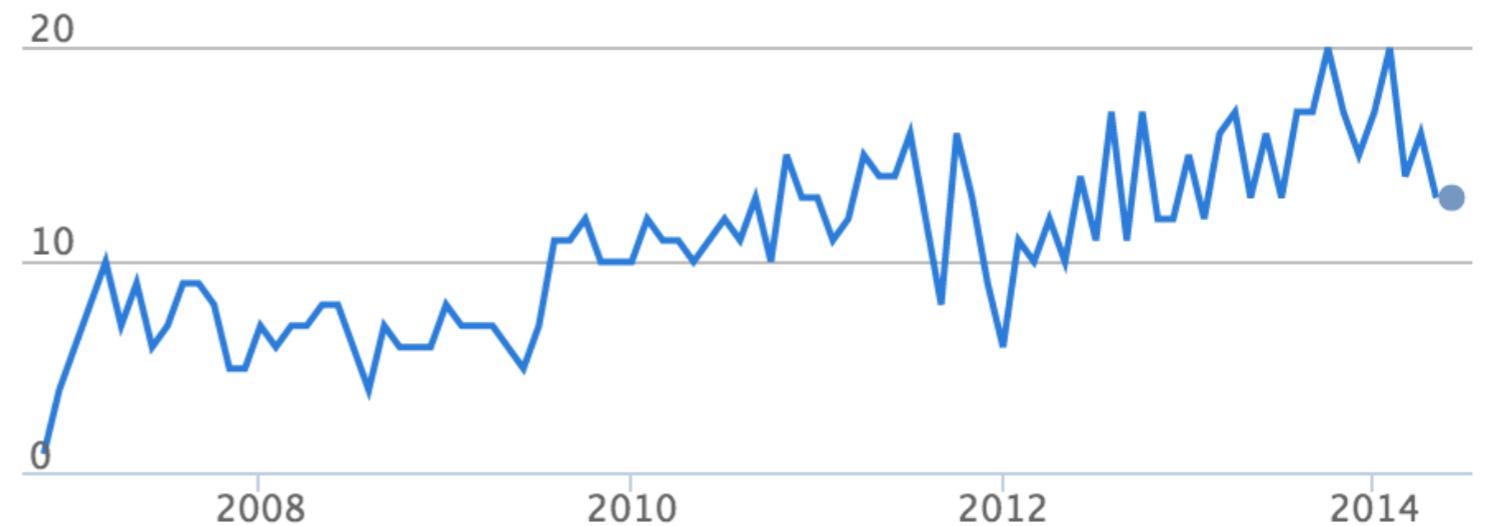
51 Contributors

Up +6 (13%) from previous 12 months

Commits per Month



Contributors per Month



Overview

What is Galaxy?

Usage / Contributions

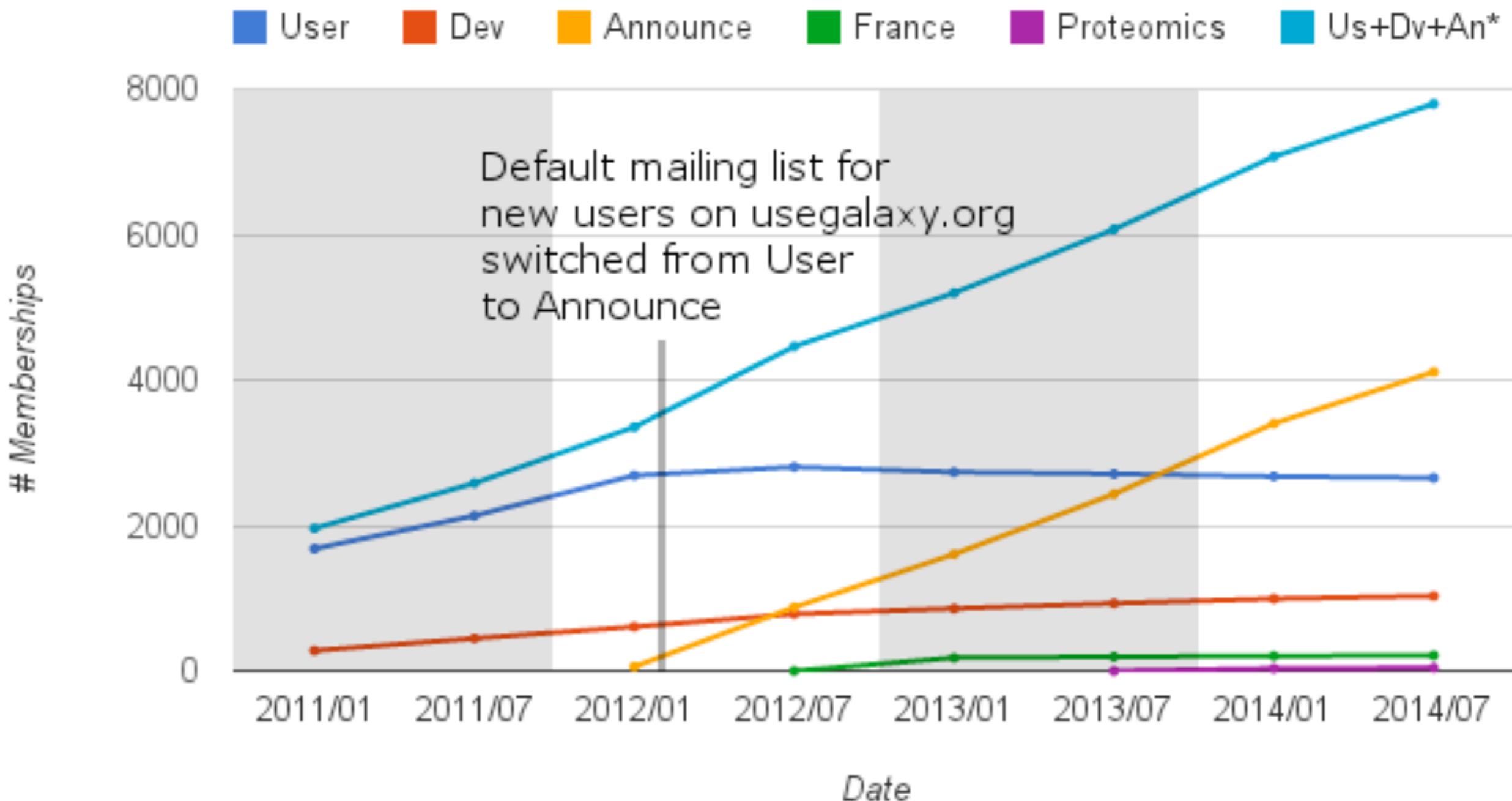
Virtual Interactions

ToolShed

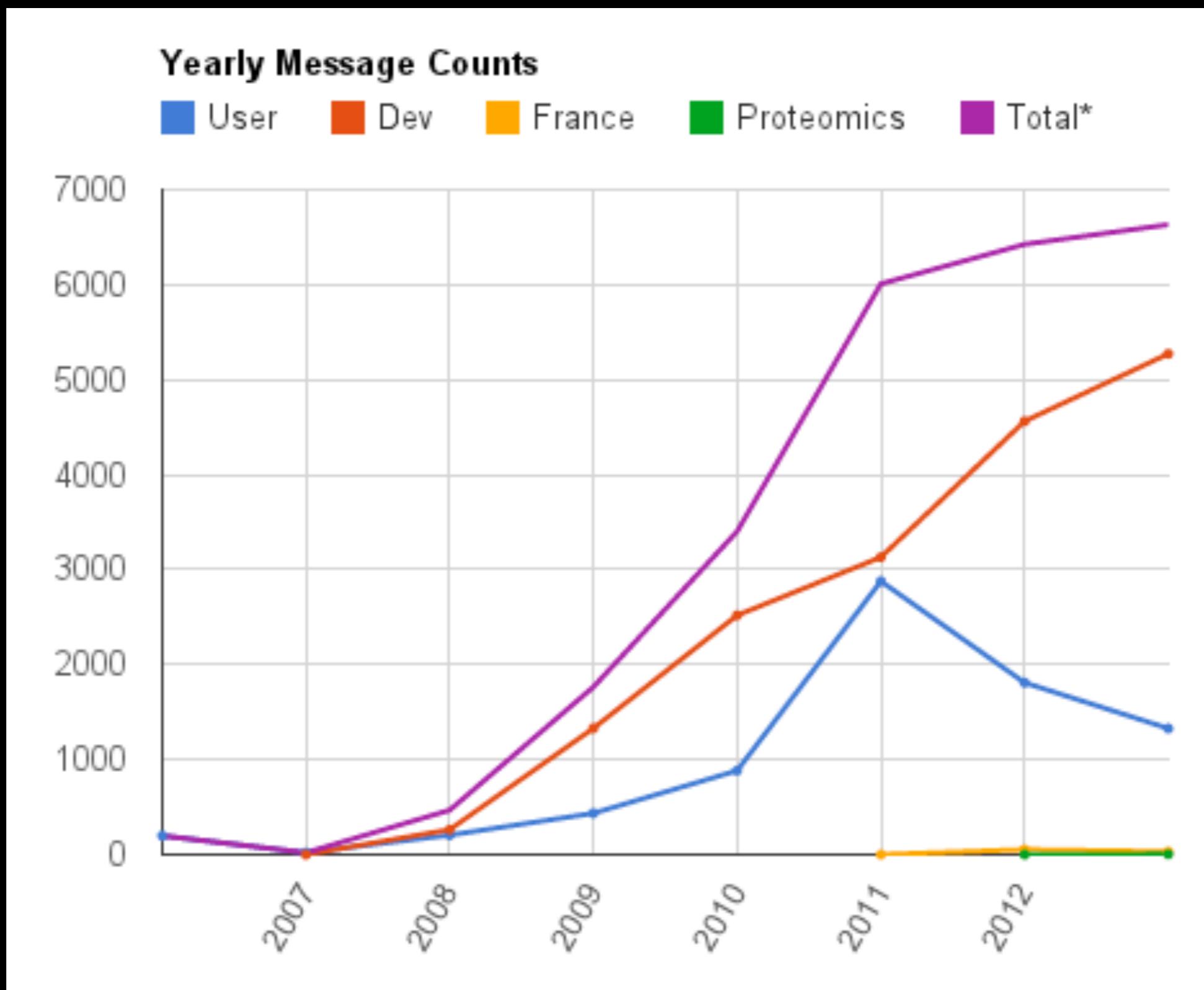
Events and Outreach

Mailing Lists

Galaxy Mailing List Memberships



Mailing Lists



Biostar: Software for building Scientific Communities

Detailed documentation: <http://docs.biostars.org/>

BioStar is a [Python](#) and [Django](#) based Q&A software. It is a simple, generic, flexible and extensible Q&A framework.

The site has been developed by **scientists and for scientists**. It aims to address the requirements and needs that scientific communities have.

Biostar is the software that runs several science oriented Q&A sites:

- Biostars Bioinformatics Q&A at: <https://www.biostars.org>
- Galaxy User support site: <https://biostar.usegalaxy.org>
- Metabolomics Q&A: <http://www.metastars.org>
- Neurostars: <http://www.neurostars.org>

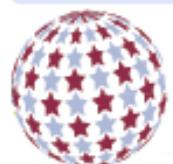


Features

Istvan Albert

- Standard Q&A: post questions, answers, comments, user moderation, voting, badges, threaded discussions
- Email integration: import previous posts from mailing lists, reply to posts via email
- RSS Planet: feed aggregation from different sources
- External authentication: authenticate users with a different web service
- Low resource utilization and easy deployment

Biostar

[LATEST 19](#)[OPEN 11](#)[RNA-SEQ 5](#)[CHIP-SEQ 1](#)[SNP](#)[ASSEMBLY 1](#)[FORUM](#)[PLANET 12](#)[ALL »](#)

Biostars

GALAXY EXPLAINED

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42

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votes

0
answers

7
views

[waiting on Cufflinks and Tophat in Galaxy for longer than usual](#)

galaxy rna-seq

written 13 hours ago by willschachterle • 0

1
vote

2
answers

22
views

[How do I automagically make informative dataset names at different workflow stages?](#)

renaming datasets workflow

written 1 day ago by cgibas • 10

0
votes

0
answers

8
views

[Need help with "Convert genome coordinates" tool](#)

convert-genome-coordinates

written 16 hours ago by hjs2121 • 0

1
vote

0
answers

17
views

[Cluster manager for Galaxy: which one ?](#)

cluster

written 22 hours ago by plindenbaum • 30

1
vote

0
answers

14
views

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rna-seq

written 1 day ago by wzaky • 10

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gff

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votes

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rna-seq

written 1 day ago by anna.gordon • 0

1
vote

1
answer

32
views

[Can't connect to FTP server](#)

galaxy

written 2 days ago by ashamchu • 0

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- [Cluster manager for Galaxy: which one ?](#)
- [A: Can't connect to FTP server](#)
- [How do I automagically make informative dataset names at different workflow stages?](#)
- [A: Adding custom tools: resolving \(external \) XML entities](#)
- [Adding custom tools: resolving \(external \) XML entities](#)
- [A: Adding custom tools: resolving \(external \) XML entities](#)
- [Empty Cuffdiff Output](#)

Recent Locations • All »

- Australia, 7 hours ago
- United States, 10 hours ago
- Germany, 10 hours ago

Recent Awards • All »

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- Teacher to Jennifer Hillman Jackson • 15k
- Voter to Martin Čech ♦♦ 290
- Centurion to Bjoern Gruening • 890
- Supporter to Bjoern Gruening • 890
- Scholar to Bjoern Gruening • 890

last hour

Question: sum all but first 500 lines



I'd like to make a genome coverage distribution plot using the X-Y plotting tool

X = coverage depth

0

Y = fraction of reads at coverage depth.



I'd like to sum up all the coverage beyond 500X and consider that 500X+ to avoid a very wide X axis.

I can cut off the first 500 lines in galaxy, but I don't see how to retain the remaining lines for me to operate on.

Any ideas?

I could do this with a little script, but I'm wondering about how to do this with the galaxy native tools.



9 weeks ago by
Brad Langhorst • 50
United States

galaxy

ADD COMMENT

• link • edit • moderate

Follow via email ▾

modified 9 weeks ago by Bjoern Gruening • 890 • written 9 weeks ago by Brad Langhorst • 50



Nice! Thanks for sharing!

ADD REPLY

• link • edit • moderate

written 9 weeks ago by Bjoern Gruening • 890



Hi Brad,

the tool "Remove beginning of a file" can remove the first 500 lines for you. Is that what you are searching?

1

Cheers,



Bjoern

ADD COMMENT

• link • edit • moderate

written 9 weeks ago by Bjoern Gruening • 890



9 weeks ago by
Bjoern Gruening • 890
Germany



Perfect!



1 I've published the workflow in case anyone has a similar itch.

ADD REPLY

• link • edit • moderate

written 9 weeks ago by Brad Langhorst • 50

Gamification

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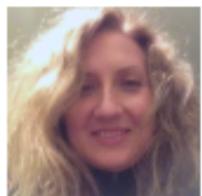
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<prev • 2,538 users • page 1 of 43 • next >

Sort by: reputation ▾



Jennifer Hillman Jackson ♦ 15k
joined 4.1 years ago
United States



Nate Coraor ♦ 2.3k
joined 8.0 years ago
United States



Jeremy Goecks • 2.2k
joined 4.5 years ago



Anton Nekrutenko ♦ 1.5k
joined 8.5 years ago



Dannon Baker ♦ 1.5k
joined 4.1 years ago
United States



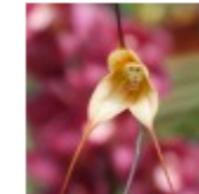
Peter Cock • 1.3k
joined 3.4 years ago
European Union



Dave Clements ♦♦ 1.2k
joined 3.4 years ago
United States



Daniel Blankenberg ♦♦ 980
joined 6.2 years ago
United States



Bjoern Gruening • 890
joined 11 months ago
Germany



mailing list • 840
joined 2.6 years ago



Greg Von Kuster • 840
joined 6.1 years ago



Greg Von Kuster ♦ 790
joined 4.7 years ago
Penn State University



Enis Afgan • 680
joined 3.6 years ago



fubar ♦ 640
joined 5.9 years ago
Australia



David Matthews • 630
joined 3.7 years ago



shamsher jagat • 580
joined 3.2 years ago

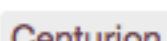
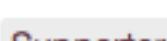
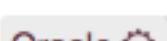
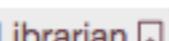
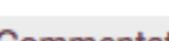


Erick Antezana • 570
joined 5.0 years ago



James Taylor ♦ 410
joined 3.9 years ago
United States

Badge list

Teacher  × 20	created an answer with at least 3 up-votes
Scholar  × 19	created an answer that has been accepted
Centurion  × 6	created 100 posts
Supporter  × 4	voted at least 25 times
Autobiographer  × 3	has more than 80 characters in the information field of the user's profile
Appreciated  × 3	created a post with more than 5 votes
Oracle  × 1	created more than 1,000 posts (questions + answers + comments)
Voter  × 1	voted more than 100 times
Good Answer  × 0	created an answer that was upvoted at least 5 times
Good Question  × 0	asked a question that was upvoted at least 5 times
Prophet  × 0	created a post with more than 20 followers
Student  × 0	asked a question with at least 3 up-votes
Great Question  × 0	created a question with more than 5,000 views
Gold Standard  × 0	created a post with more than 25 bookmarks
Librarian  × 0	created a post with more than 10 bookmarks
Commentator  × 0	created a comment with at least 3 up-votes
Cylon  × 0	received 1,000 up votes
Rising Star  × 0	created 50 posts within first three months of joining
Guru  × 0	received more than 100 upvotes
Popular Question  × 0	created a question with more than 1,000 views
Epic Question  × 0	created a question with more than 10,000 views
Pundit  × 0	created a comment with more than 10 votes

Accessing Biostar through Galaxy

The screenshot shows the Galaxy web interface. The top navigation bar includes links for Analyze Data, Workflow, Shared Data, Visualization, Cloud, Admin, and Help. The left sidebar lists various tools: Tools (search tools), Get Data, BEDtools, SNP Eff, Send Data, Lift-Over, Text Manipulation, Filter and Sort, Join, Subtract and Group, and Convert Formats. The main workspace displays the 'Map with BWA for Illumina (version 1.2.3)' tool. It asks if a reference genome should be selected from history or used from Biostar. A dropdown menu is open, showing 'Use a built-in index' and 'Search for this tool'. Below this, a dropdown menu for 'Select a reference genome' shows 'Arabidopsis lyrata: Araly1'. Other settings include 'Is this library mate-paired?' set to 'Single-end' and a FASTQ file dropdown showing '56: F41-M51C2-BL.R1.fq'. A note at the bottom states: 'FASTQ with either Sanger-scaled quality values (fastqsanger) or Illumina-scaled quality values (fastqillumina)'. The right sidebar contains links for Help, User, Galaxy Q&A Site, Ask a question, Support, Search, Mailing Lists, Videos, Wiki, How to Cite Galaxy, and Terms and Conditions.

Galaxy

Analyze Data Workflow Shared Data Visualization Cloud Admin Help

Tools

search tools

Get Data

BEDtools

SNP Eff

Send Data

Lift-Over

Text Manipulation

Filter and Sort

Join, Subtract and Group

Convert Formats

Map with BWA for Illumina (version 1.2.3)

Help from Biostar [?](#)

Will you select a reference genome from your history or use a built-in index? [Search for this tool](#)

Select a reference genome:

Arabidopsis lyrata: Araly1

Is this library mate-paired?: Single-end

FASTQ file:

56: F41-M51C2-BL.R1.fq

FASTQ with either Sanger-scaled quality values (fastqsanger) or Illumina-scaled quality values (fastqillumina)

Help User

Galaxy Q&A Site

Ask a question

Support

Search

Mailing Lists

Videos

Wiki

How to Cite Galaxy

Terms and Conditions

Registered Galaxy Users are automatically logged in

Galaxy BioStar

The [Galaxy Biostar forum](#) was launched on April 23, 2014. Every thread that existed in the Galaxy-User mailing list was copied to Galaxy Biostar at that time, and people were strongly advised to post future questions to Galaxy Biostar. On June 6, 2014, all posting to Galaxy-User was suspended.

The statistics here don't reflect just what's happened since the switch, but also what happened (sort of) on Galaxy-User before the switch. As more time passes, result, and especially the recent numbers will more accurately reflect what's happening on Galaxy Biostar.

All date ranges here are from Biostar. For example, the "last 12 months" means anything that Biostar identifies as having happened between now and "12 months ago", inclusive.

Active Users

Active here means "visited", as defined by Biostar.

Date	Last 12 Weeks	Last 6 Months	Last 12 Months
2014/07/09	1190	1274	1424

Active Threads

Date	Last 12 Weeks	Last 6 Months	Last 12 Months
2014/07/09	268	383	654

All Time Totals

Date	Posts	Threads	Questions	Answers	Comments	Users
2014/07/09	8223	2978	2959	2908	2337	2517

Biostar is a success, but...

Users haven't quite mastered the Q&A format

Reuse a post for multiple questions

Not accepting Answers

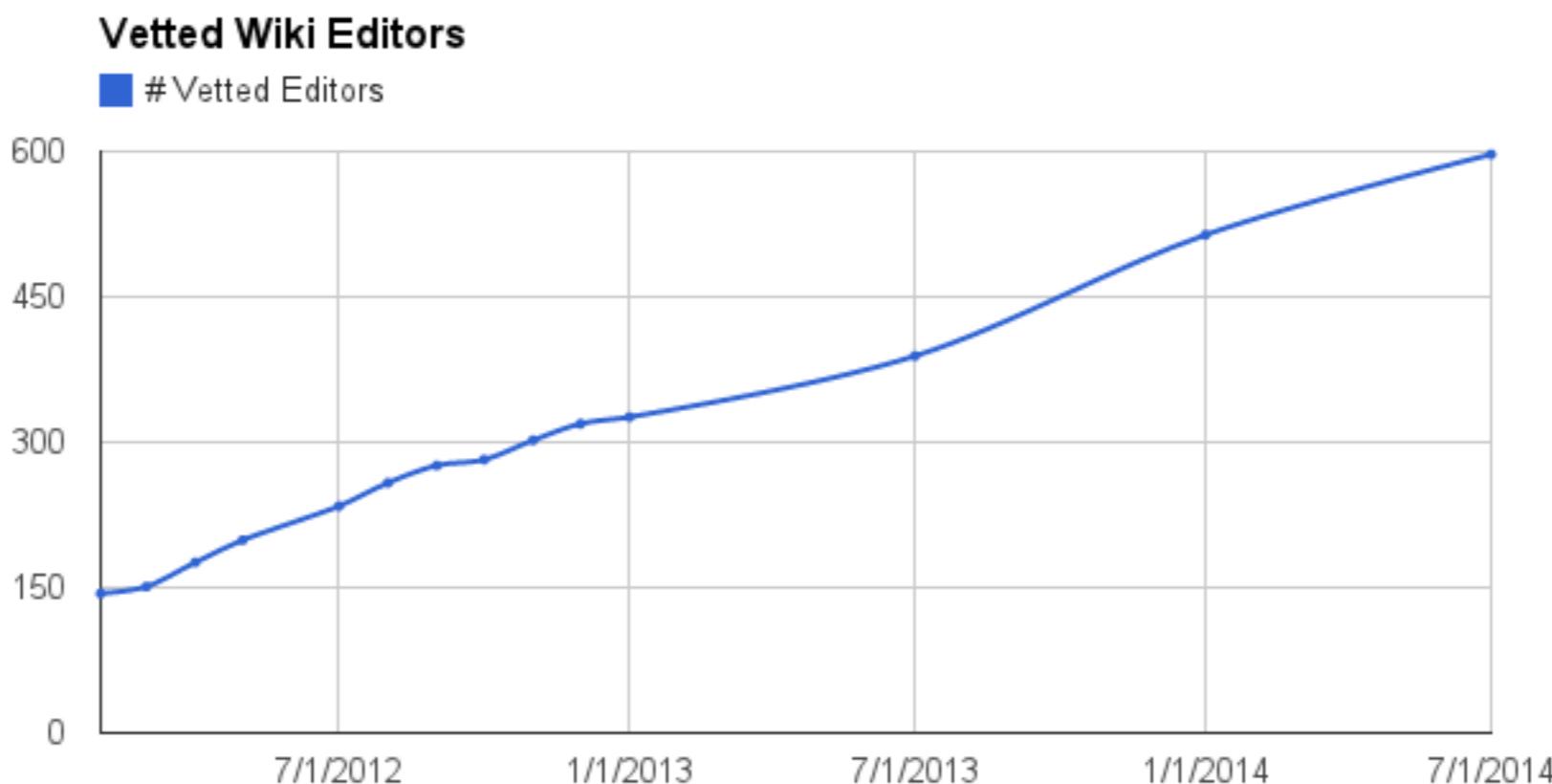
Comments are being Posted as Answers

wiki.galaxyproject.org

Wiki

Vetted Editors

Vetted Editors are wiki logins that have been verified as belonging to Galaxy community members. Vetted editors can update the wiki without having to answer Captchas. You don't need a login to read the wiki, only to update it. The number of vetted editors is a measure of interest in maintaining this wiki.

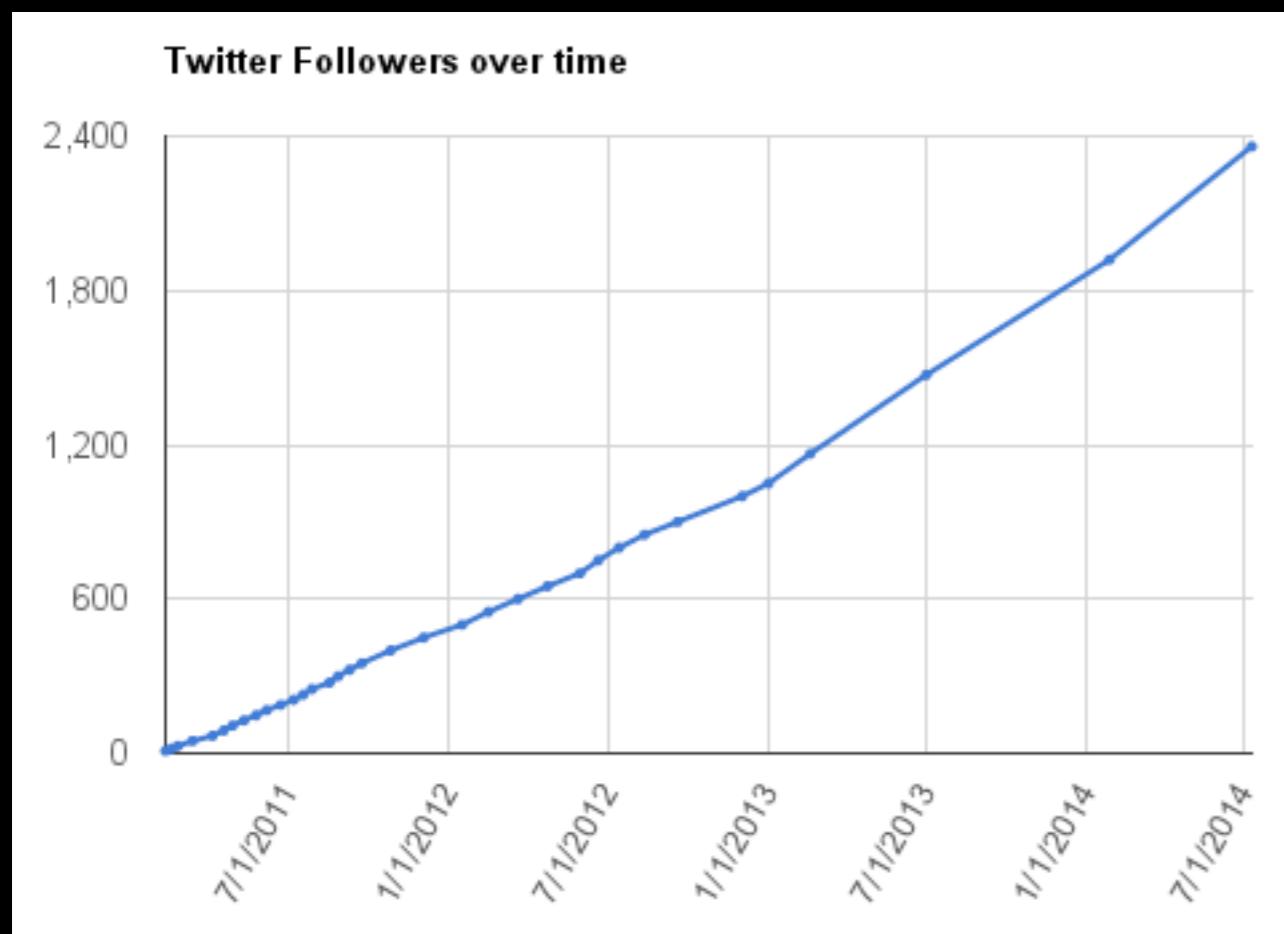


This is an undercount of registered community members as not all logins can be verified. The process of vetting was semi-automated on 2012/04/08, thanks to help from [ToriR](#).

Additional Channels

<https://wiki.galaxyproject.org/GetInvolved>

@galaxyproject #usegalaxy



IRC Channel

Server: <irc.freenode.net>

Channel [#galaxyproject](#)

<https://twitter.com/galaxyproject>

Overview

What is Galaxy?

Usage / Contributions

Virtual Interactions

ToolShed

Events and Outreach

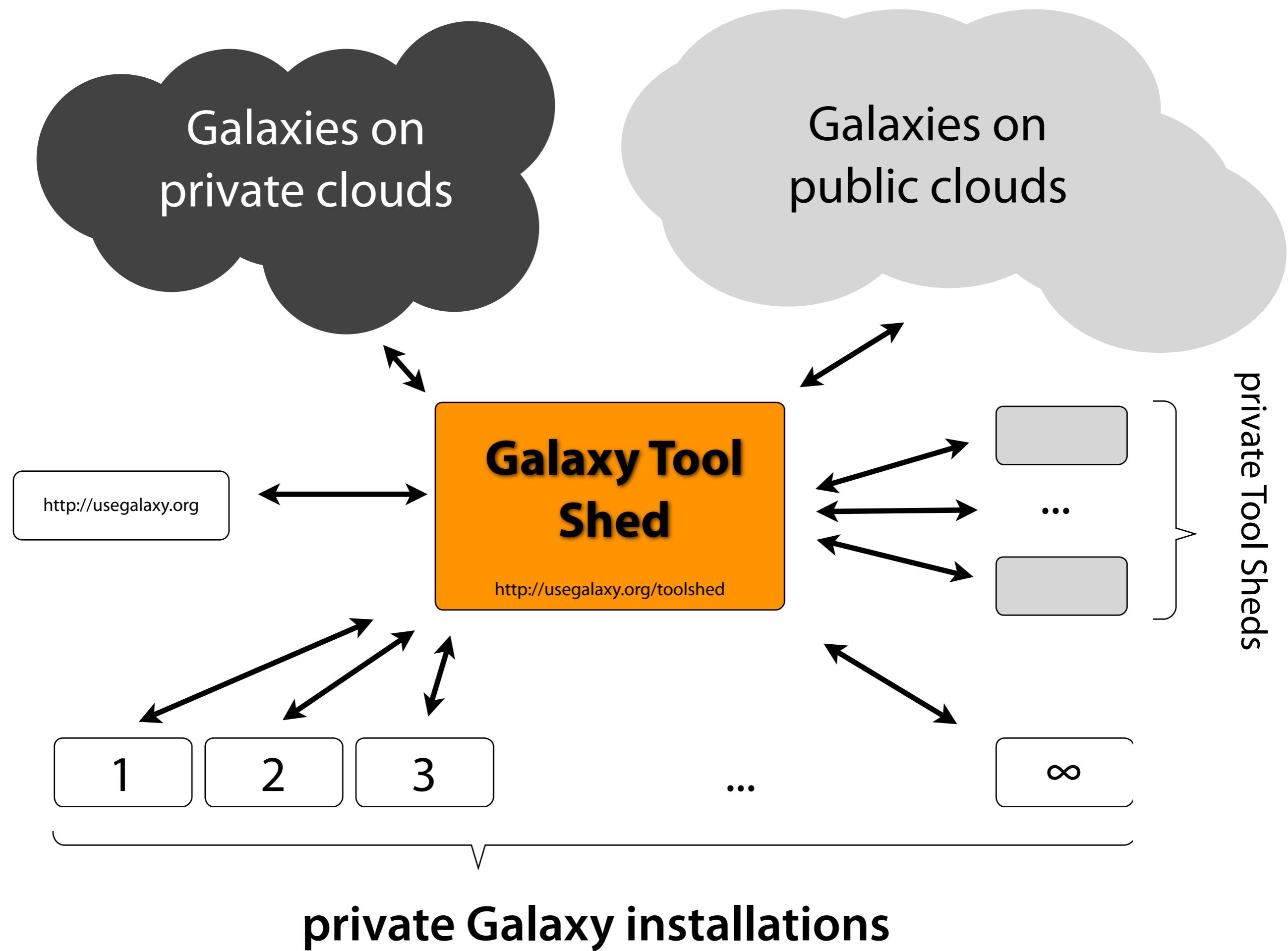


Enables sharing of Galaxy Utilities:
tools
proprietary datatypes
exported Galaxy workflows

Automatically install tools and tool suites, and their dependencies, into a Galaxy instance

Galaxy Utilities can be created and shared by any member of the community

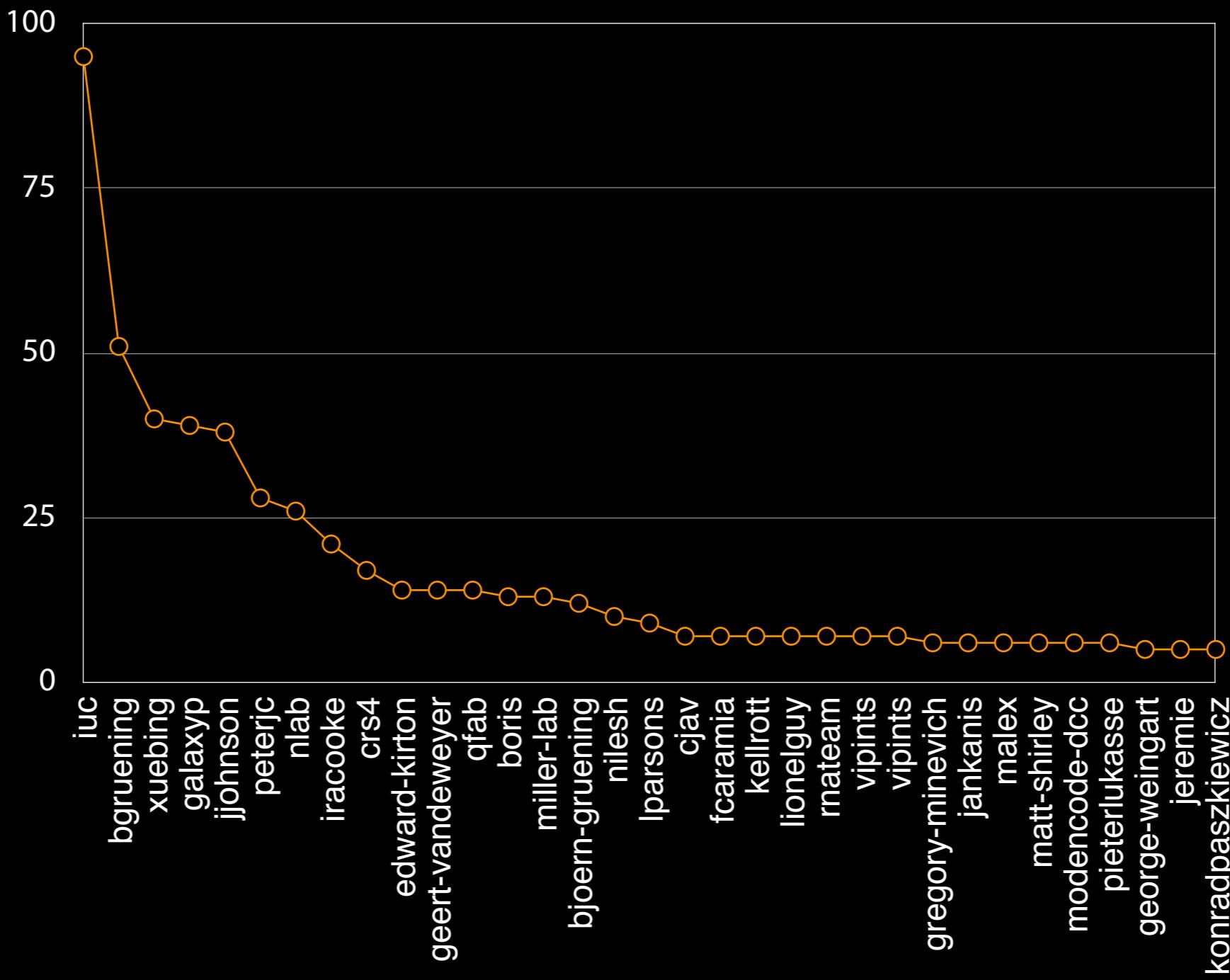
<https://wiki.galaxyproject.org/ToolShed>



toolshed statistics

- 897 repositories
- 222 unique owners
- 176 Tool dependency package installation recipes
- 2,330 valid tools
- 3,420 valid versions of tools
- 54 exported Galaxy workflows
- 455 custom datatypes
- 62,021 total repository installations

toolshed contributions



Overview

What is Galaxy?

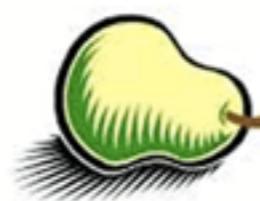
Usage / Contributions

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Events and Outreach

Upcoming Events



Date	Topic/Event	Venue/Location	Contact
July 7-9	NBIC/BioSB RNA- seq data analysis course	Leiden, the Netherlands	NVIC/BioSB
July 10	An Introduction to Galaxy with the Genomics Virtual Lab	Post-GSA 2014 Workshop, Sydney, Australia	Mark Crowe
July 11-15	ISMB and BOSC 2014 At least six talks and five posters	Boston, Massachusetts, United States	See presenter list
July 18	Workshop: RNA-Seq analysis using Galaxy	Brisbane, Australia	Mark Crowe
July 28 - August 1	Workshop: DNA Sequence Bioinformatics Analysis with the Galaxy Platform	University of São Paulo (USP), São Paulo, Brazil	Dave Clements
August 25-27	Análise e anotação funcional de seqüências NGS usando Stingray@Galaxy	Fiocruz, Rio de Janeiro, Brasil	Plataforma de Bioinformática do IOC
September 6-10	T07 - Scientific Workflows for Analysing, Integrating and Scaling Bioinformatics Data: a Practical Introduction to Galaxy, Taverna and WS-PGRADE	European Conference on Computational Biology (ECCB'14), Strasbourg, France	Hailiang (Leon) Mei
September 30 - October 2	RNA-Seq & ChIP-Seq analysis course using Galaxy	PRABI, Lyon, France	Navratil V., Oger C., Veber P., Deschamps C., Perriere G.
September 30 - October 2	Galaxy Training and Demo Day	Bern (Switzerland)	Hans-Rudolf Hotz and Bjoern Gruening
	(second Swiss) Galaxy Workshop	SyBIT Tech Day, Bern (Switzerland)	
	German Galaxy Developers Day	Freiburg (Germany)	



GALAXY

COMMUNITY CONFERENCE

BALTIMORE, MD | JUNE 30 - JULY 2, 2014

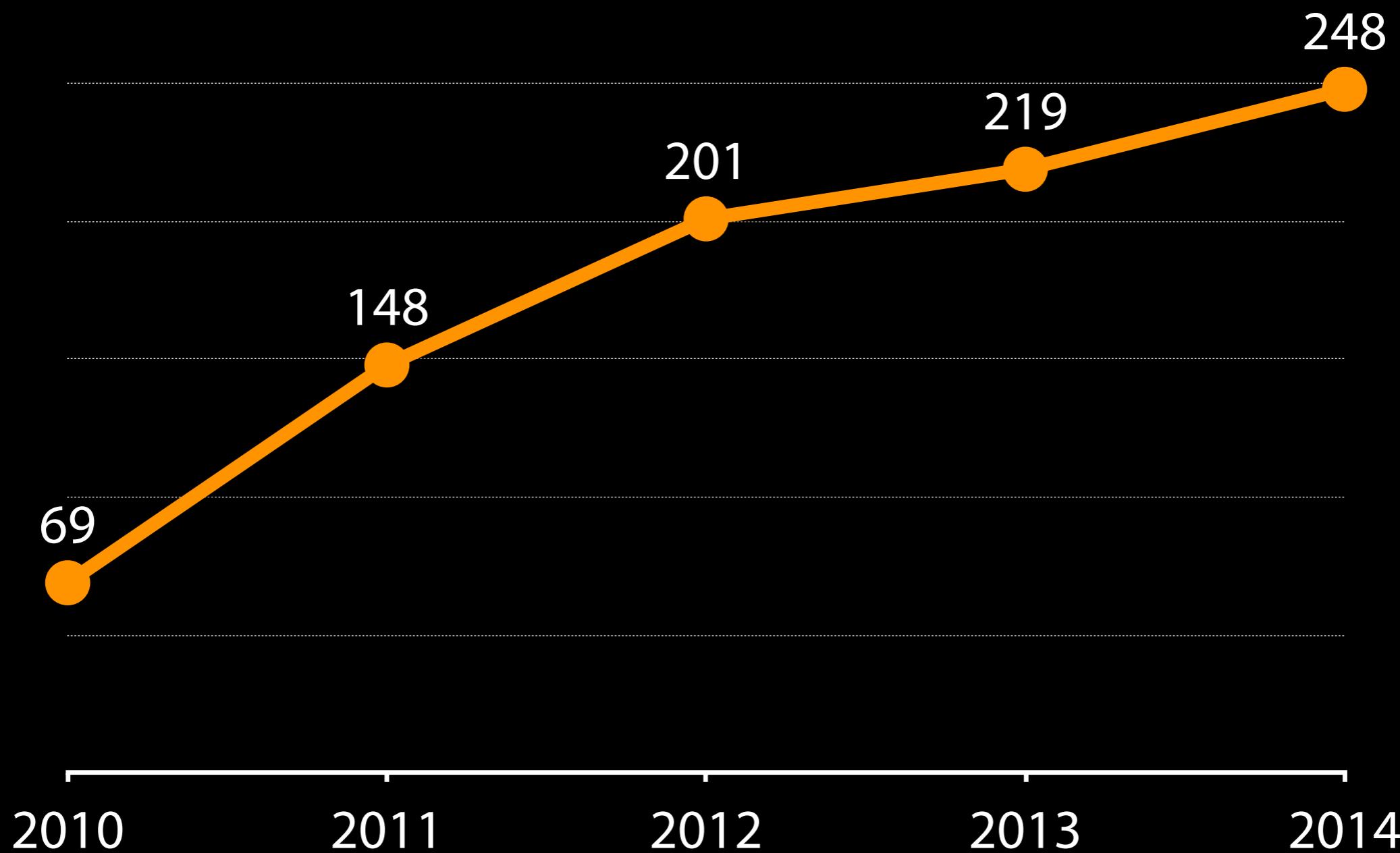
Fifth Annual Conference

Two day Hackathon

One full day of Training Workshops

Two full days of presentations, posters, lightning talks, Birds of a Feather

GCC participation



GCC2015

2015 Galaxy Community Conference will be held in
Norwich, United Kingdom, at The Sainsbury Lab,
6-8th July

The Galaxy Team



Enis Afgan



Dannon Baker



Dan Blankenberg



Dave Bouvier



Marten Čech



John Chilton



Dave Clements



Nate Coraor



Carl Eberhard



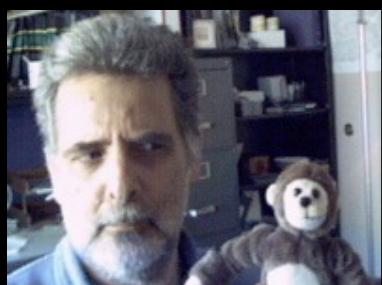
Jeremy Goecks



Sam Guerler



Jen Jackson



Ross Lazarus



Anton Nekrutenko



Nick Stoler



James Taylor



Greg Von Kuster

<http://wiki.galaxyproject.org/GalaxyTeam>