Community Building and Support

2013 GMOD Meeting
Cambridge, UK

Dave Clements
Emory University
Agenda

• What?
• How?
What: **Communities**?

- End Users
- Deployers
- Contributors
What: Goals?

• Grow your community
• A well-informed community
• A community that is connected to your project and each other
• A community that contributes:
  • Curation and data
  • Support
  • Outreach and training
How?

Enable your community
Communicate with your community
Reward your community
Provide **Open Support Channels**
Forums, mailing lists, IRC, ...

GenomeSpace Tool developer forum @ Google
InterMine Dev mailing list, archived @ Nabble

Open channels support anyone posting questions and answers
Archives accessible and searchable

Mailman search interface

Help ‘em out with something like a Google custom search or a Nabble archive

Searchable archives encourage community support, and make those efforts publicly visible.
Unified Search: http://galaxyproject.org/search

Find

- Everything on ...
- Tools for ...
- Email about ...
- Source code for ...
- Published Histories, Pages, Workflows, about ...
- Related feature requests
- Papers using Galaxy for ...
- Documentation on ...
Incentivize contributions

BioStar is a **gamified** online forum. Points, badges, voting, ...
Incentivize contributions

BioStar is a **gamified** online forum. Points, badges, voting, ...

Casey Bergman has **52 badges**! He’s a **Necromancer 4 times over**! He’s **Enlightened too**!
Mailing Lists vs Forums?

We are replacing Galaxy-User mailing list with a forum.

We will be using Biostar (http://biostars.org) directly.
Create Community Resources and Hubs

Wikis and social sites: communicate, enable, reward.
Enable sharing, contributing

### Galaxy Tool Shed

**2543 valid tools on Apr 03, 2013**

#### Search
- Search for valid tools
- Search for workflows

#### Valid Galaxy Utilities
- Tools
- Custom datatypes
- Repository dependency definitions
- Tool dependency definitions

#### All Repositories
- Browse by category

#### Available Actions
- Login to create a repository

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**Categories**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Repositories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly</td>
<td>Tools for working with assemblies</td>
<td>18</td>
</tr>
<tr>
<td>Computational chemistry</td>
<td>Tools for use in computational chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Convert Formats</td>
<td>Tools for converting data formats</td>
<td>25</td>
</tr>
<tr>
<td>Data Source</td>
<td>Tools for retrieving data from external data sources</td>
<td>14</td>
</tr>
<tr>
<td>Fasta Manipulation</td>
<td>Tools for manipulating fasta data</td>
<td>20</td>
</tr>
<tr>
<td>Genomic Interval Operations</td>
<td>Tools for operating on genomic intervals</td>
<td>21</td>
</tr>
<tr>
<td>Graphics</td>
<td>Tools producing images</td>
<td>10</td>
</tr>
<tr>
<td>Metagenomics</td>
<td>Tools enabling the study of metagenomes</td>
<td>7</td>
</tr>
<tr>
<td>Micro-array Analysis</td>
<td>Tools for performing micro-array analysis</td>
<td>4</td>
</tr>
<tr>
<td>Next Gen Mappers</td>
<td>Tools for the analysis and handling of Next Gen sequencing data</td>
<td>44</td>
</tr>
<tr>
<td>Ontology Manipulation</td>
<td>Tools for manipulating ontologies</td>
<td>6</td>
</tr>
<tr>
<td>Phylogenetics</td>
<td>Tools for performing phylogenetic analysis</td>
<td>4</td>
</tr>
<tr>
<td>Proteomics</td>
<td>Tools enabling the study of proteins</td>
<td>21</td>
</tr>
</tbody>
</table>
Communicate!

News
Announcements of interest to the Galaxy Community. These can include items from the Galaxy Team or the Galaxy community and can address anything that is of wide interest to the community.

The Galaxy News is also available as an RSS feed.

See Add a News Item below for how to get an Item on this page, and the RSS feed. Older news items are available in the Galaxy News Archive.

See also
- Galaxy News Briefs
- Galaxy Updates
- Galaxy on Twitter
- Events
- Learn
- Support
- About the Galaxy Project

News Items

GCC2013 & Galaxy GigaScience Series

The 2013 Galaxy Community Conference (GCC2013) and BioMed Central are announcing a special thematic series in GigaScience, a new journal co-published in collaboration between BGI Shenzhen and BioMed Central focused on studies utilizing large-scale datasets and workflows. Galaxy is an open, web-based platform for data intensive biomedical research allowing their growing community of users to reproduce and share analyses. All accepted oral presentations from the meeting will be eligible for consideration in the series, and working with the scientific committee, peer review will be coordinated.
Communicate!
Communicate!

April 2013 Galaxy Update

The April 2013 Galaxy Update is now available.

Highlights:
- The GCC2013 oral presentation abstract deadline is 12 April, which is less than 2 weeks away. Early registration, and poster abstract submission are also open.
- Two new public Galaxy servers are featured.
- The slides and screen cast for the March GalaxyAdmins meetup are available.
- And, please help determine what the GalaxyAdmins group should focus on.
- 24 new papers and 5 new tags.
- Open Positions at six different institutions.
- Other Upcoming Events.
- Galaxy Distributions.
- Tool Shed Contributions.
- Other News.

If you have anything you would like to see in the May Galaxy Update, please let us know.

Dave Clements and the Galaxy Team

April 2, 2013 Galaxy Distribution

Complete News Brief

Highlights:
- Job running configuration changes and refactoring of job runner plugins.
- Required reset of the metadata on your installed tool shed repositories plus Changes required to your environment if you are hosting a local Tool Shed.
- Basic Data Manager functionality now present.
- Tool Shea, Trackster, Cloudscoin, Workflows, UI, Admin, and new Pull Request updates.
- New bug fixes and improvements.

http://getgalaxy.org
http://bitbucket.org/galaxy/galaxy-dist
http://galaxy-dist.readthedocs.org

new: 1 hg clone http://www.bx.psu.edu/hg/galaxy galaxy-dist
upgrade: 1 hg pull
1 hg update refs/heads/2013-04-01

Thanks for using Galaxy,
The Galaxy Team
Communicate!

Galaxy Wiki

News

Announcements of interest to the Galaxy Community.

The Galaxy News is a forum for announcing new developments, sharing information, and proposing ideas and tools.

See also:

- Galaxy News Brief
- Galaxy Updates
- Events
- Learn
- Support
- About the Galaxy

News Items

GCC2013 & Galaxy Update

April 2013 Galaxy Update

The April 2013 Galaxy Update is now available.

Highlights:

- The GCC2013 oral presentation abstract deadline is 12 April, which is less than 2 weeks away. Early registration, and poster abstract submission are also open.
- Two new public Galaxy servers are featured:
- The slides and screenshot for the March Galaxy; and
- 20 new papers and 5 new tags
- Open Positions at six different institutions
- Other Upcoming Events
- Galaxy Distributions
- Tool Shed Contributions
- Other News

If you have anything you would like to see in the Galaxy, please contact the Galaxy team.

April 1, 2013 Galaxy Distribution

Complete News Brief

Highlights:

- Job running configuration changes and refactoring
- Required reset of the metadata on your insta repository plus changes required due to the install tool
- Basic Data Manager functionality now present
- ToolShed, Tracker, Cloudman, Workflows, and new Pull Request updates.
- New bug fixes and improvements.

http://getgalaxy.org
http://bitbucket.org/galaxy/galaxy-dist
http://galaxy-dist.readthedocs.org

If you know of any event that should be added to this page and/or to the Galaxy Event Calendar, please add it here or send it to outreach@galaxyproject.org.

Galaxy Event Horizon

Events with Galaxy-related content are listed here.

Also see the Galaxy Events Google Calendar for a listing of events and deadlines that are relevant to the Galaxy Community. This is also available as an RSS feed.

Upcoming Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic/Event</th>
<th>Venue/Location</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 5-6</td>
<td>2013 GMOD Meeting</td>
<td>Cambridge, United Kingdom, immediately prior to Biocuration 2013</td>
<td>Dave Clements</td>
</tr>
<tr>
<td>April 7-10</td>
<td>GO Galaxy Workshop</td>
<td>Biocuration 2013, Cambridge, United Kingdom</td>
<td>Dave Clements, Suzanna Lewis</td>
</tr>
<tr>
<td>April 7-8</td>
<td>BDSC/Broad Interoperability Hackathon</td>
<td>Cambridge, Massachusetts, United States</td>
<td>Brad Chapman</td>
</tr>
</tbody>
</table>
Listen!

Just appearing to listen is not enough
Sing your community’s efforts

Publicly Accessible Galaxy Servers

Galaxy’s public server (http://galaxy.org/Main) can meet many needs, but it is not suitable for everything (see Big Picture/Challenges for why), and cannot possibly scale to meet the entire world’s needs.

Fortunately the Galaxy Community is helping out by installing Galaxy at their institutions and then making those installations either publicly available or open to their organizations or community.

This page lists such public or semi-public Galaxy servers.

To add your public Galaxy server to this list, please either just add it (Hey, it’s a wiki!), or contact Galaxy Outreach.

Andromeda

- Link:
- Andromeda
- Domain/Purpose:
  This is a fully populated Galaxy instance.

- Comments:
  Is hosted at the SURFARC High Performance Cloud. This installation is supported by the Andromeda project and Matthias deelder (KNOQ).

Challenges:

- Link:
  Challenges
- Domain/Purpose:
  Challenges
- Comments:
  Challenges is a workflow framework for structure-based computational biology based on the Galaxy workflow engine and the BALL (Biochemical Algorithms Library) application framework. It is tailored to handle structural molecular data.

Swiss Galaxy Workshop

Bern, 3 October 2012

Gather!

- **GMOD Community Meeting 2013**
  - Cambridge, UK
  - 5-6 April 2013

- **Galaxy Community Conference 2013**
  - Oslo, University of Oslo
  - 30 June - 2 July

- **GCC2013 Training Day**

- **International Plant & Animal Genome Conference**
Encourage Sub-Communities

**GalaxyAdmins**
Administrators of large Galaxy Instances
Started by Ulowa in 2012

**Galaxy-France**
French language and France-centric Galaxy community mailing list
Launched after Galaxy Tour de France in 2012

**Galaxy-Public-Servers**
Mailing list for those hosting public Galaxy servers
Just launched
Acknowledgements

GMOD:
Scott Cain
Amelia Ireland
The Galaxy Team

Enis Afgan  Dannon Baker  Dan Blankenberg  Dave Bouvier  Dave Clements

Nate Coraor  Carl Eberhard  Dorine Francheteau  Jeremy Goecks  Sam Guerler

Jen Jackson  Greg von Kuster  Ross Lazarus  Anton Nekrutenko  James Taylor

http://wiki.galaxyproject.org/GalaxyTeam
Galaxy is hiring post-docs and software engineers at both Emory and Penn State.

Please help.

http://wiki.galaxyproject.org/GalaxyIsHiring
Thank You!