

Galaxy

PROJECT

**Evolution of the Galaxy
tool ecosystem**



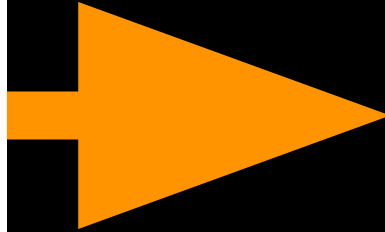
#usegalaxy

Martin Čech, Björn Grüning, Eric Rasche, Kyle Ellrott, John Chilton
and the Galaxy Team

10JUL15

<http://bit.ly/boscisgreat>

Happier developers, happier users



3 200 tools 250 000 repo clones

120

New Repositories Total Repositories

Tool Shed is to Galaxy
as
App Store is to iPhone
(plus some more)

80

40

0

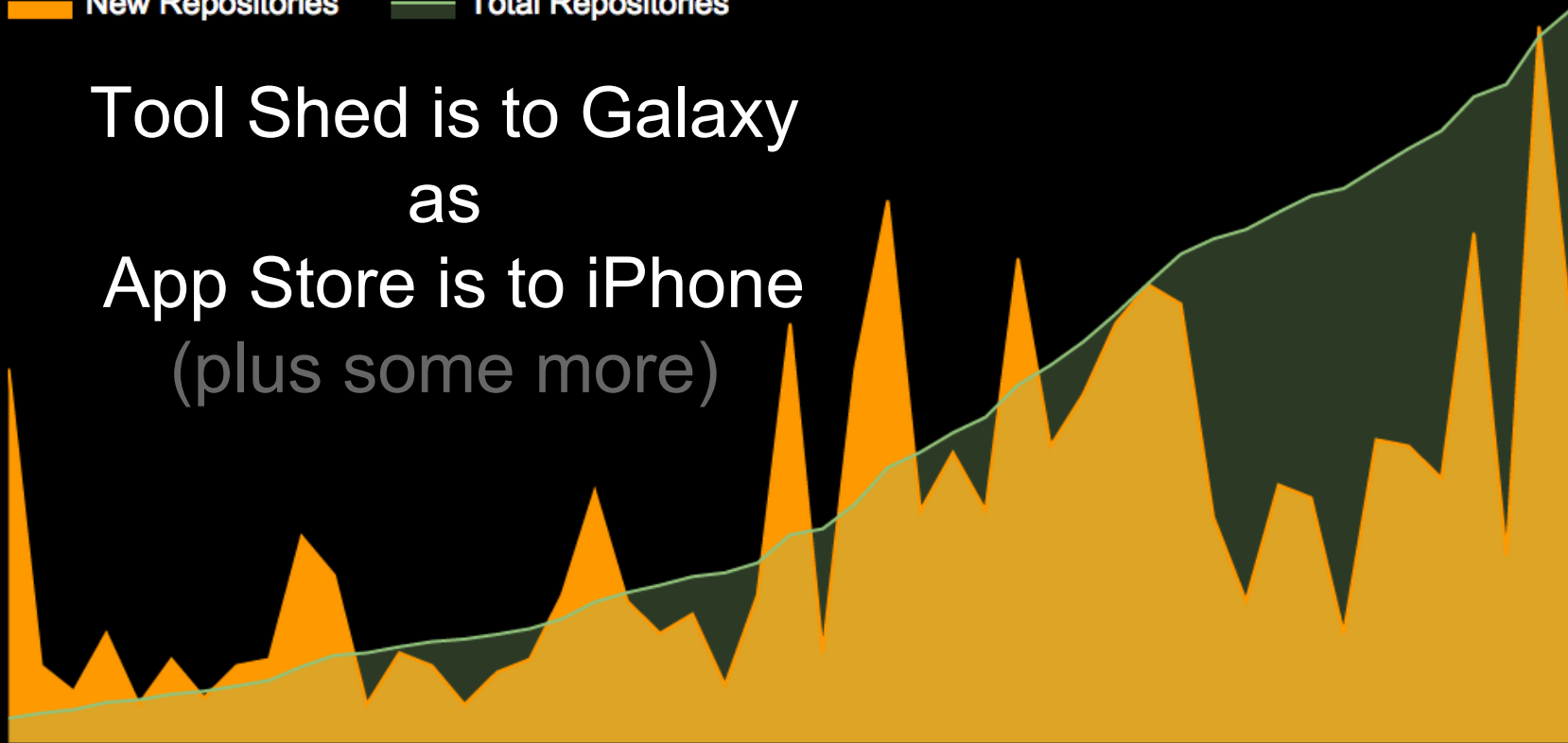
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1000

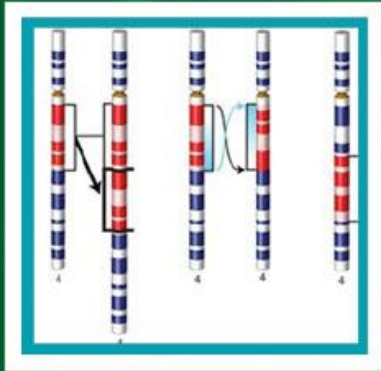
500

0

6/2011 9/2011 12/2011 3/2012 6/2012 9/2012 12/2012 3/2013 6/2013 9/2013 12/2013 3/2014 6/2014 9/2014 12/2014 3/2015 6/2015



Reaching a new audience.



ICGC-TCGA DREAM Somatic Mutation Calling Challenge – Tumour Heterogeneity & Evolution



The DREAM competition will result in a lot of new tool development by developers with no knowledge of Galaxy.

PLANEMO

has been born

A tool to build Galaxy Tools

github.com/galaxyproject/planemo

profits with PLANEMO

- avoid writing boilerplate code
- quick lint your code before you start testing
- test your tool much faster than before
- benefit from tab completion and help at your fingertips
- circumvent direct interactions with Tool Shed
- treat Galaxy as transparent dependency

Get PLANEMO

With Homebrew/linuxbrew:

```
brew install galaxyproject/tap/planemo
```

With pip

```
pip install planemo
```


Also available as virtual appliances for Docker, Vagrant, Virtualbox, Google Cloud.


Tool Dev Best Practices

Community has put together best practice guides.

<http://bit.ly/iucstandards>


 galaxyproject / tools-iuc


 Watch 16


 Star 12

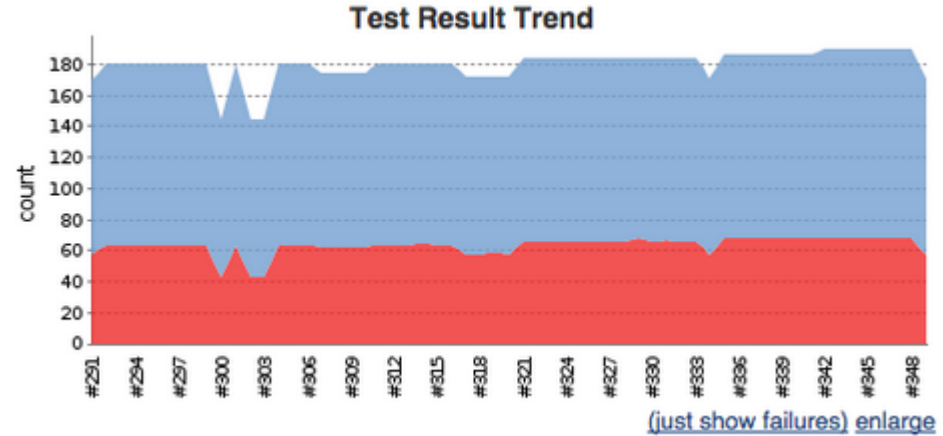
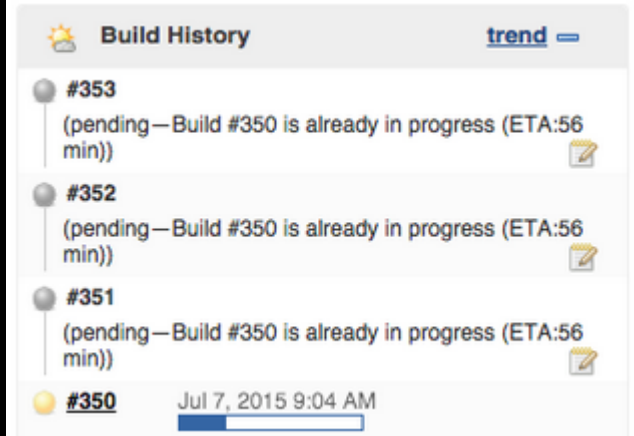
 Fork 25

 bgruening / galaxytools

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 Star 34

 Fork 38



Thank you



Enis
Afghan



Dannon
Baker



Dan
Blankenberg



Dave Bouvier



Martin Čech



John Chilton



Björn Grüning



Peter Cock



Dave
Clements



Nate
Coraor



Carl
Eberhard



Jeremy
Goecks



Aysam
Guerler



Jen
Jackson



Eric Rasche



Nicola Soranzo



Ross
Lazarus



Anton
Nekrutenko



Nick Stoler



James Taylor



Nitesh
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Kyle Ellrott

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