Galaxy Update

GMOD2016

June 30-July 1
Bloomington, Indiana

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Galaxy Wiki Migration

wiki.galaxyproject.org
Why?

MoinMoin 2.0 release was imminent 5 years ago.
We've been at 1.9.x the whole time

We've been on MoinMoin for 5 years. That's far longer than our average stay on a wiki platform!
Why?

Increasingly frustrated by inability to create/manage/reuse semi-structured data.

This is only going to get more challenging over time.

https://wiki.galaxyproject.org/Community/Logs
https://wiki.galaxyproject.org/Community/Deployments
https://wiki.galaxyproject.org/PublicGalaxyServers
https://wiki.galaxyproject.org/Teach/Trainers
Why?

Other options may offer better support for

Blogging
RSS
Database integration
Integrated authentication
... you name it
Why Not?

Time and effort

Disruption
Wiki Migration: Initial Thinking

- **Django** based solutions
  - [https://www.djangopackages.com/grids/g/wikis/](https://www.djangopackages.com/grids/g/wikis/)
- **Waliki**
  - [https://github.com/mgaitan/waliki/](https://github.com/mgaitan/waliki/)
  - Supports Markdown, RST
  - Uses Git for revision management
  - Lots of active development (through 2015)
Meanwhile, back at TaylorLab.org

TaylorLab.org was Django based

James moved it to be Metalsmith based
Metalsmith

"An extremely simple, *pluggable* static site generator."

http://www.metalsmith.io/
Metalsmith

Uses GitHub for revision management
Supports Markdown & GitHub Flavored Markdown

Metadata can be added at the top of pages in YAML

Many plugins for generating and using content, including semi-structured content.

http://www.metalsmith.io/#the-plugins
Metalsmith on GitHub

Hope is that more people will contribute if they can

- directly edit wiki content on GitHub, a platform that many are already on and familiar with
- using Markdown, a markup language that many already know.

GitHub infrastructure also makes site-wide changes easier.

Advanced users can also install Metalsmith and perform edits locally.
Content Plan

• Using pyPEG2 to translate from MoinMoin to GitHub Flavored Markdown
• Normalize page structure when doing the move
  • Did this 5 years ago when moving from Bitbucket.
  • Less than 200 pages than and a huge win
  • Now well over 1000 pages
Concerns

- Trading *people comfortable with wiki model* for *people comfortable with GitHub*.
- Losing easy preview capability
- Move from wiki to GitHub will cost us contributions from biologists.
Galaxy Community Events
GCC2016

- June 25-29 at Indiana University
- Two hackathons (2 days each)
- Two full days of training
- Two day meeting
- 204 people registered for one or more events over the 5 days
- Between 200 and 230 attendees for past 5 years

- Went *great*.
- My concern: *participation*.

[gcc16.sched.org](http://gcc16.sched.org)
Swiss-German Galaxy Days

Freiburg (Germany)  20/21 October 2016
GAMe 2017
Galaxy Australasia Meeting
3 - 9 February, Melbourne, Australia

www.embl-abr.org.au/GAME2017
28 Trainings (5 parallel tracks, 270 people)

26 Hackathons (2 parallel tracks)

27 Hackathons (2 parallel tracks), Training

29 Conference, Social dinner

30 Conference

26 - 30 June, France

GCC 2017 Montpellier

Marilyne Summo
Jean-François Dufayard
Olivier Inizan
Christophe Caron

For the French Institute of Bioinformatics

Galaxy PROJECT
The Galaxy Team

Enis Afgan  Dannon Baker  Dan Blankenberg  Dave Bouvier  Marten Cech  John Chilton

Dave Clements  Nate Coraor  Carl Eberhard  Jeremy Goecks  Sam Guerler

Jen Jackson  Ross Lazarus  Anton Nekrutenko  Nick Stoler  James Taylor  Nitesh Turaga

http://wiki.galaxyproject.org/GalaxyTeam
Thanks

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