AN EASY, AUTOMATIC, FLEXIBLE WEBSITE TEMPLATE FOR LABS

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INTRODUCTION

Research labs need a professional and up-to-date website to showcase their work, attract collaborators, and establish an online presence, but developing and maintaining one can be challenging and time consuming. Lab Website Template is an open-source, code-based tool that automates citation generation, repo configuration, and anything else it can, letting labs focus more on research and less on web development and grunt work.

APPROACH

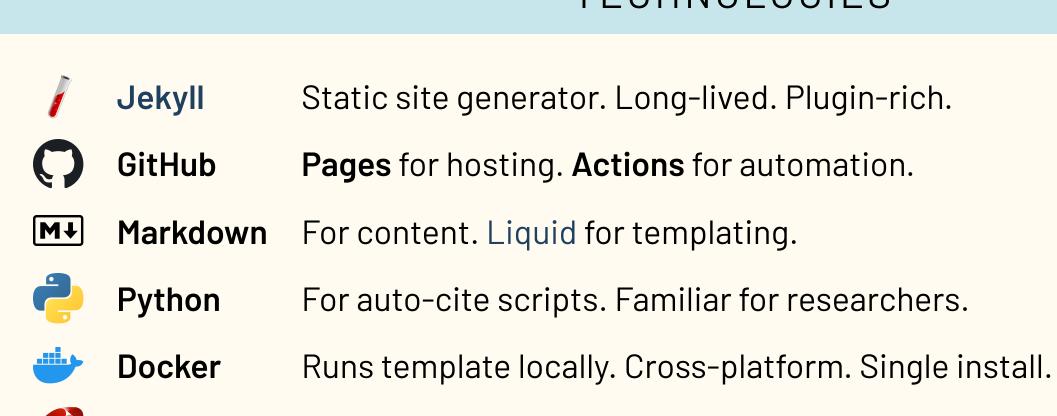
Before v1.0, we gathered many observations and direct feedback that shaped our approach. Some things we noticed:

- The most **common pain points were about the same things same things**, like repo setup and configuring key options.
- Labs can't waste time on basics or low-level details, but still need ways to customize things.
- Labs want to see that a tool is **actively maintained**, strongly sold by good support.

Some philosophies we adopted to address these needs:

- Doing > instructing. Aggressively experimenting with GitHub Actions and scripting, we found we could automate much more setup/config/etc. than we thought.
- Don't let issues languish. We respond quickly and discuss suggestions to make people feel heard, even if actual resolution takes longer.
- **Keep it simple and focused**. We earnestly consider all feedback, but also don't accept every suggestion at face value to avoid feature/config bloat (inner-platform effect).
- Code/comments aren't enough. We have a full GitBook docs site with examples, FAQs, guides, diagrams, search, etc. Labs can help themselves for common things, which saves us time for more novel work.
- Cleanly structure content. We separate template content from user content so labs can focus on just what's important to them, but still look "under the hood" when needed.

TECHNOLOGIES



Ruby

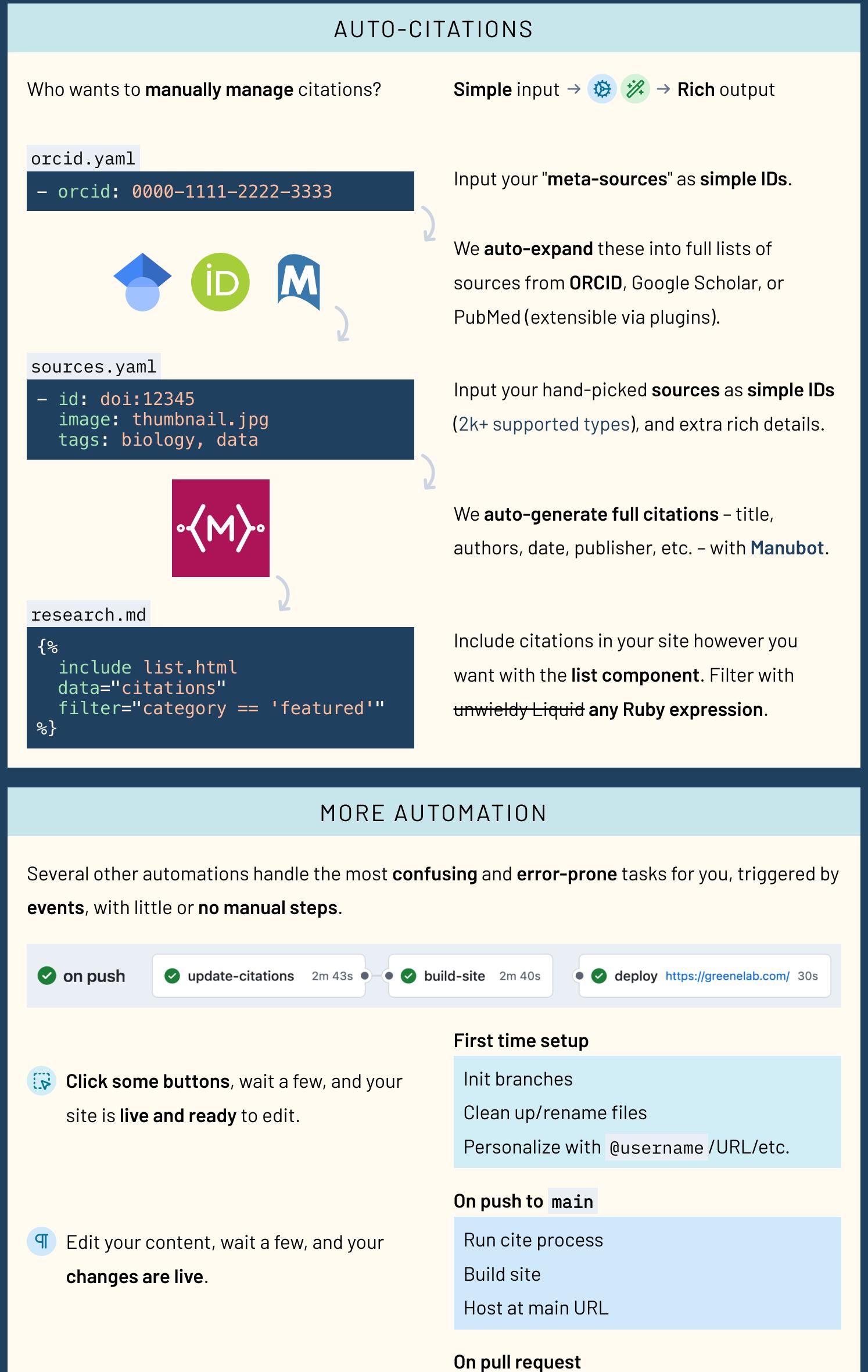


For data filtering. Jekyll plugins, other misc.



TEMPLATE

POSTER



Build site preview

Run cite process

Host at /pr-# sub-URL

Post PR comment w/ link

On schedule (weekly by default)

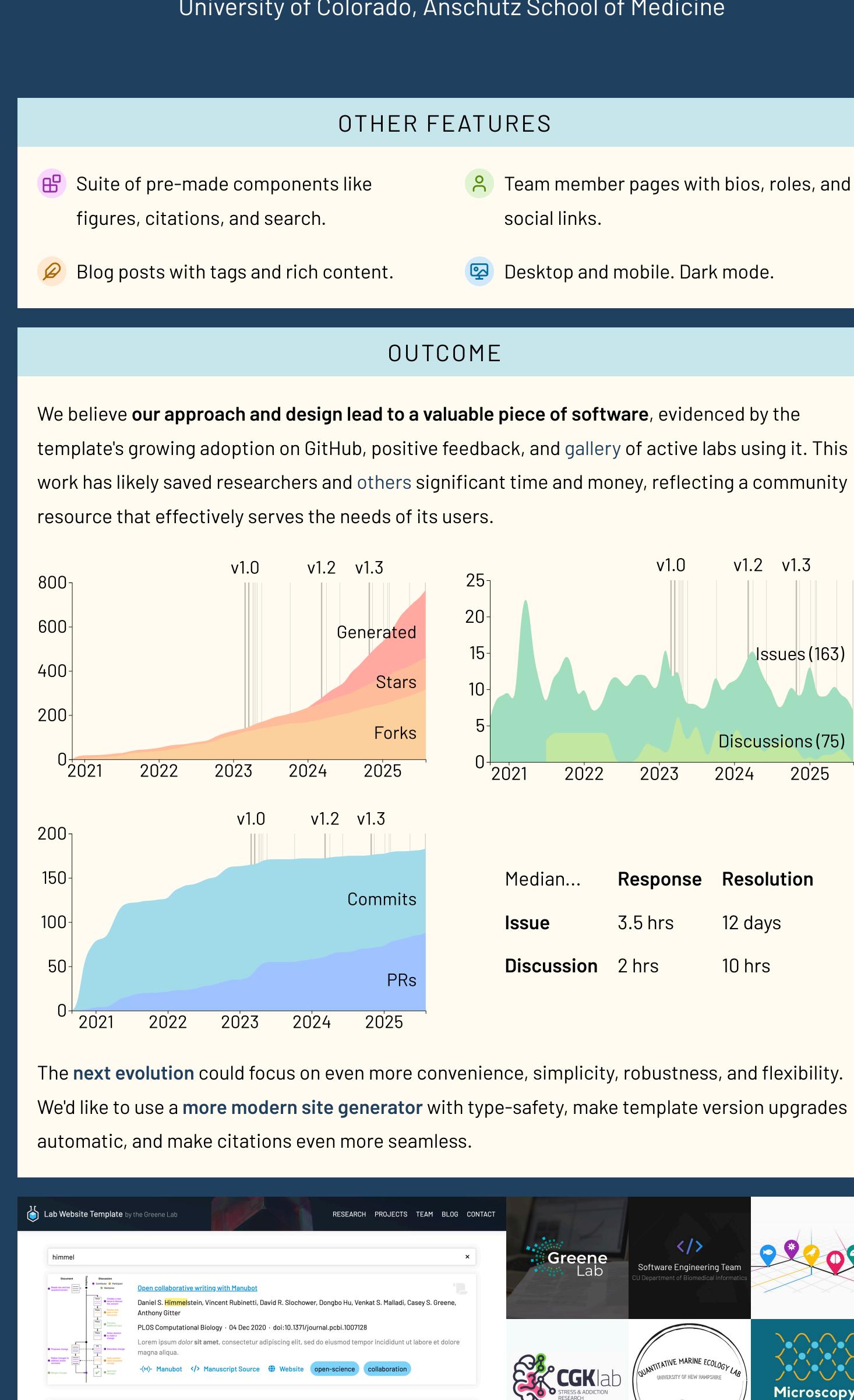
ORCID/etc. may have updates

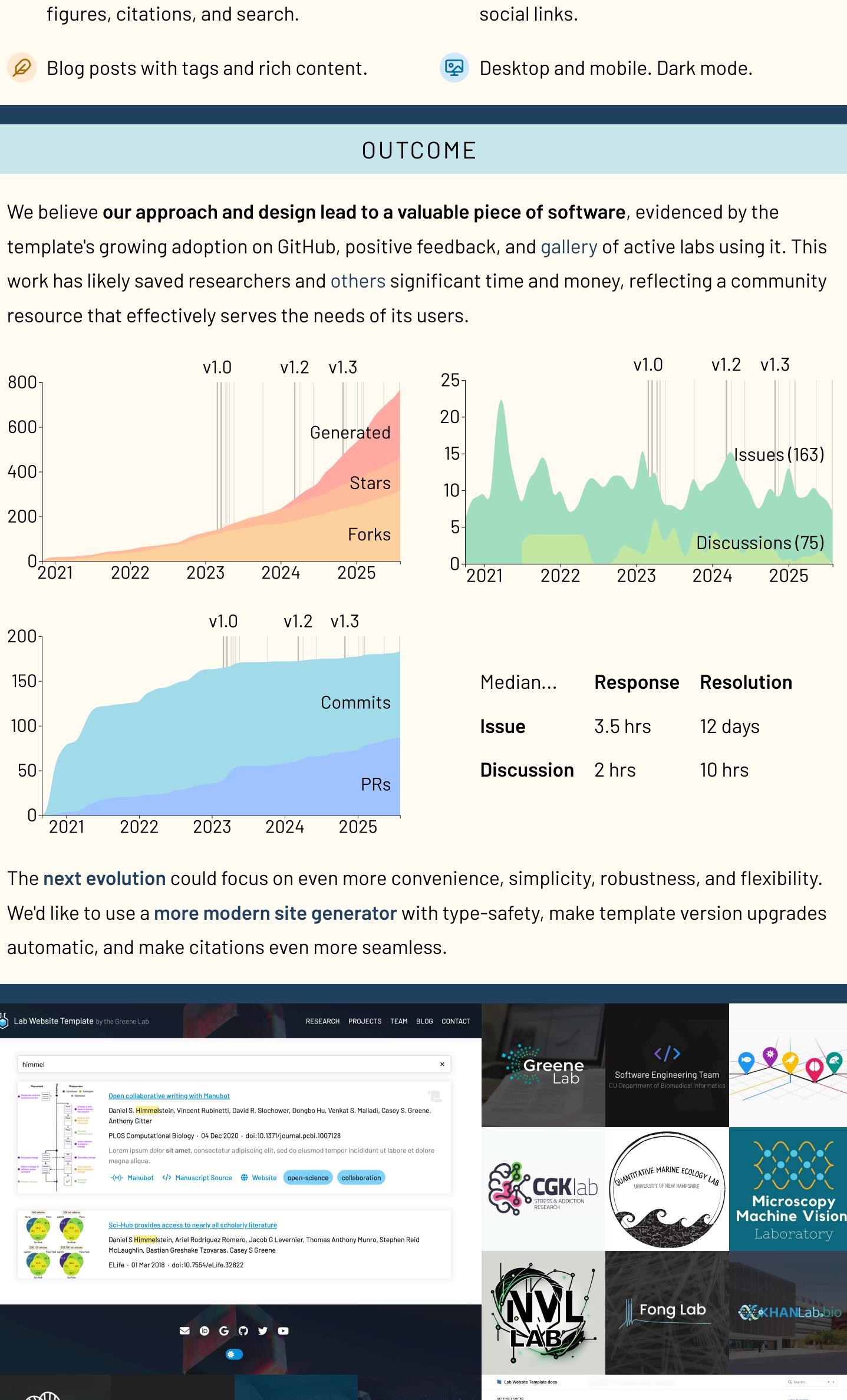
Open PR if any changes

Suggest changes and preview them

Keep your lab's CV **up-to-date**.

before publishing. No Netlify needed.





citation - Full, detailed information about a source, like title, author(s), publisher, publish da

. The cite process runs - either on G

The cite process outputs a single [citations.yaml] file in $[/_data]$.