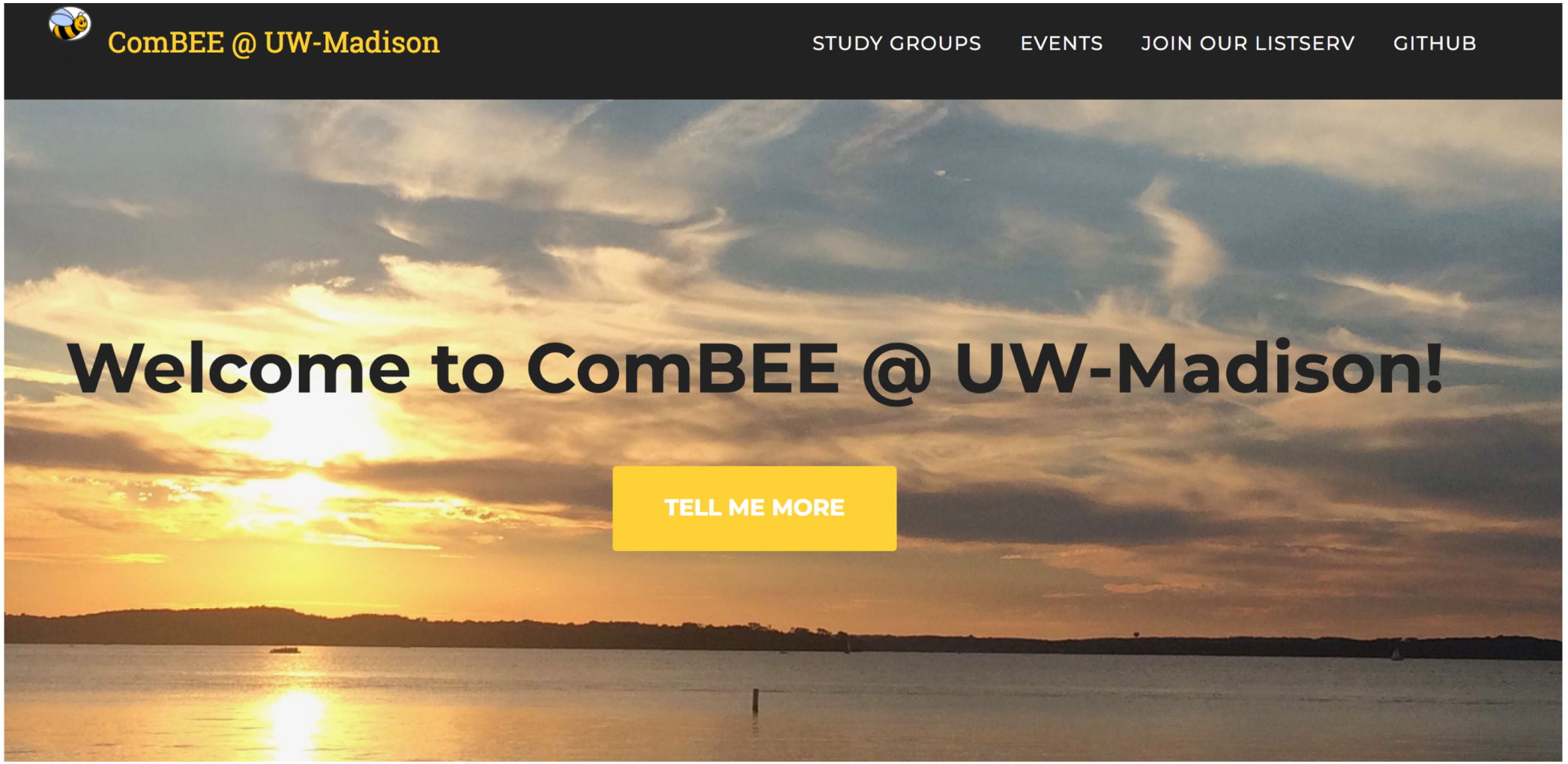
Study Groups - Why They Matter and How to Start Your Own

Sarah Stevens

Why Study Groups?

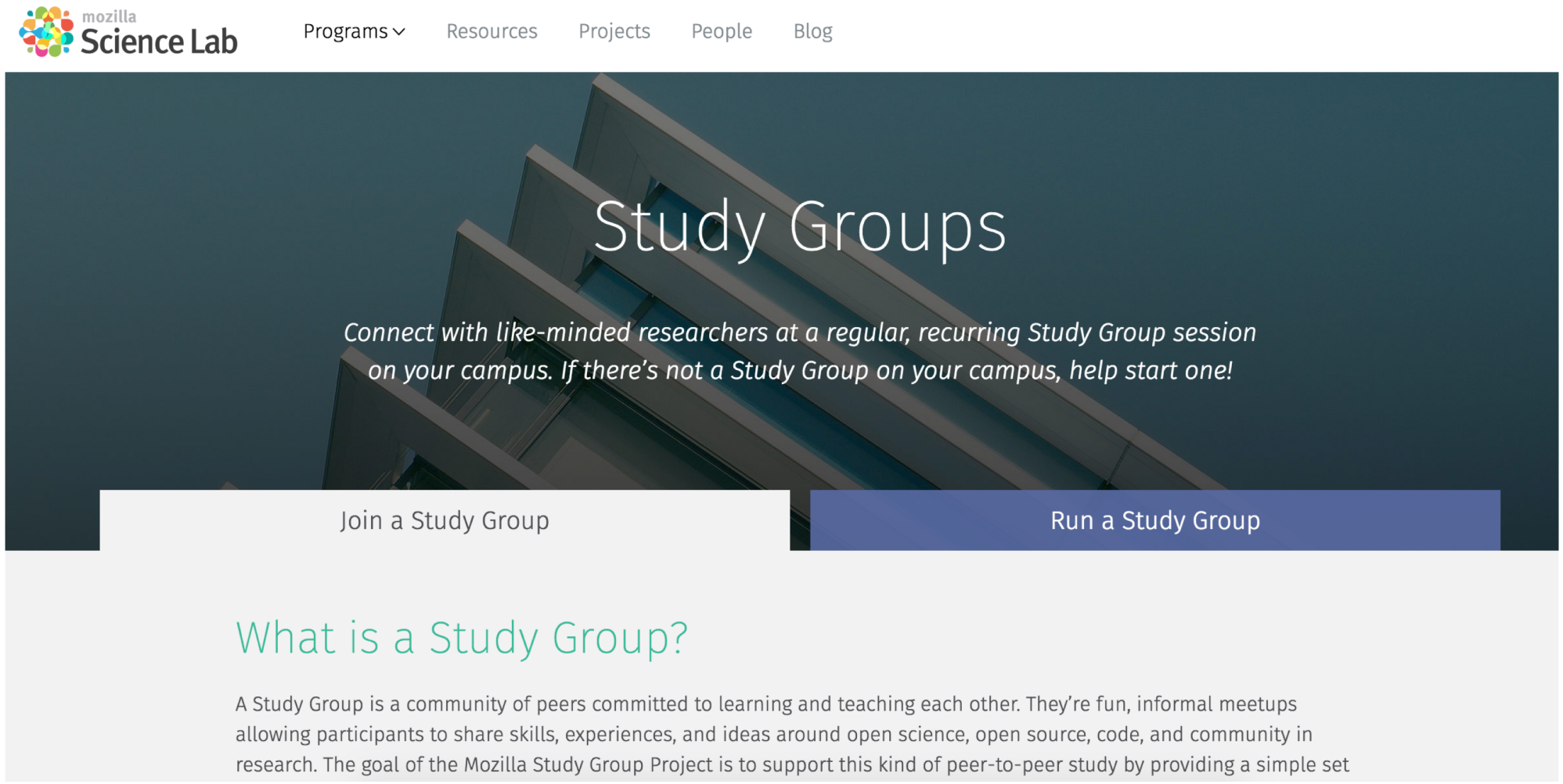
- Longer-term learning / support
- Informal
- Student motivated / Peer led
- Brings together novices and competent practitioners
- No grades
- Flexible content

Computational Biology, Ecology, and Evolution

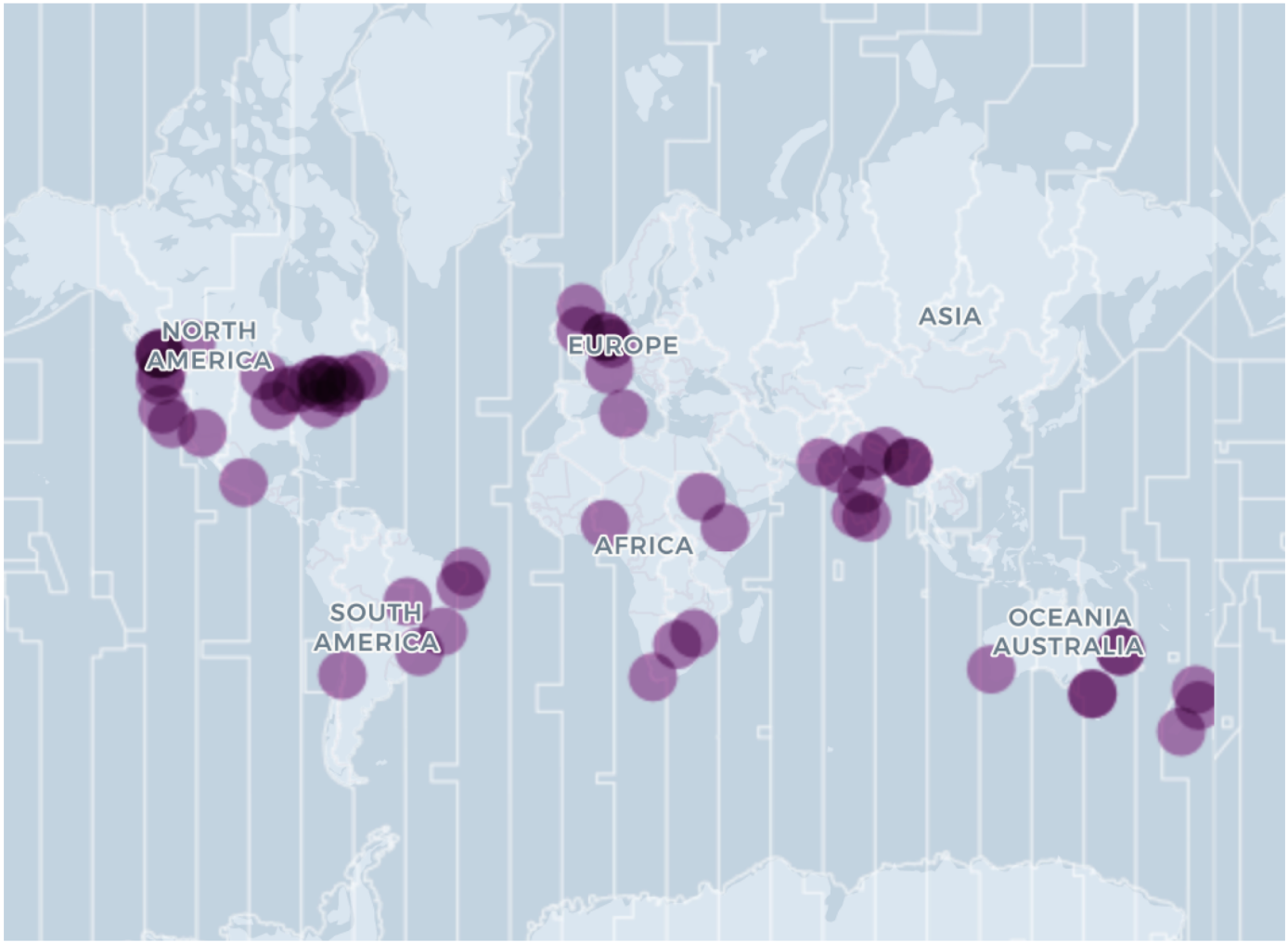


combee-uw-madison.github.io

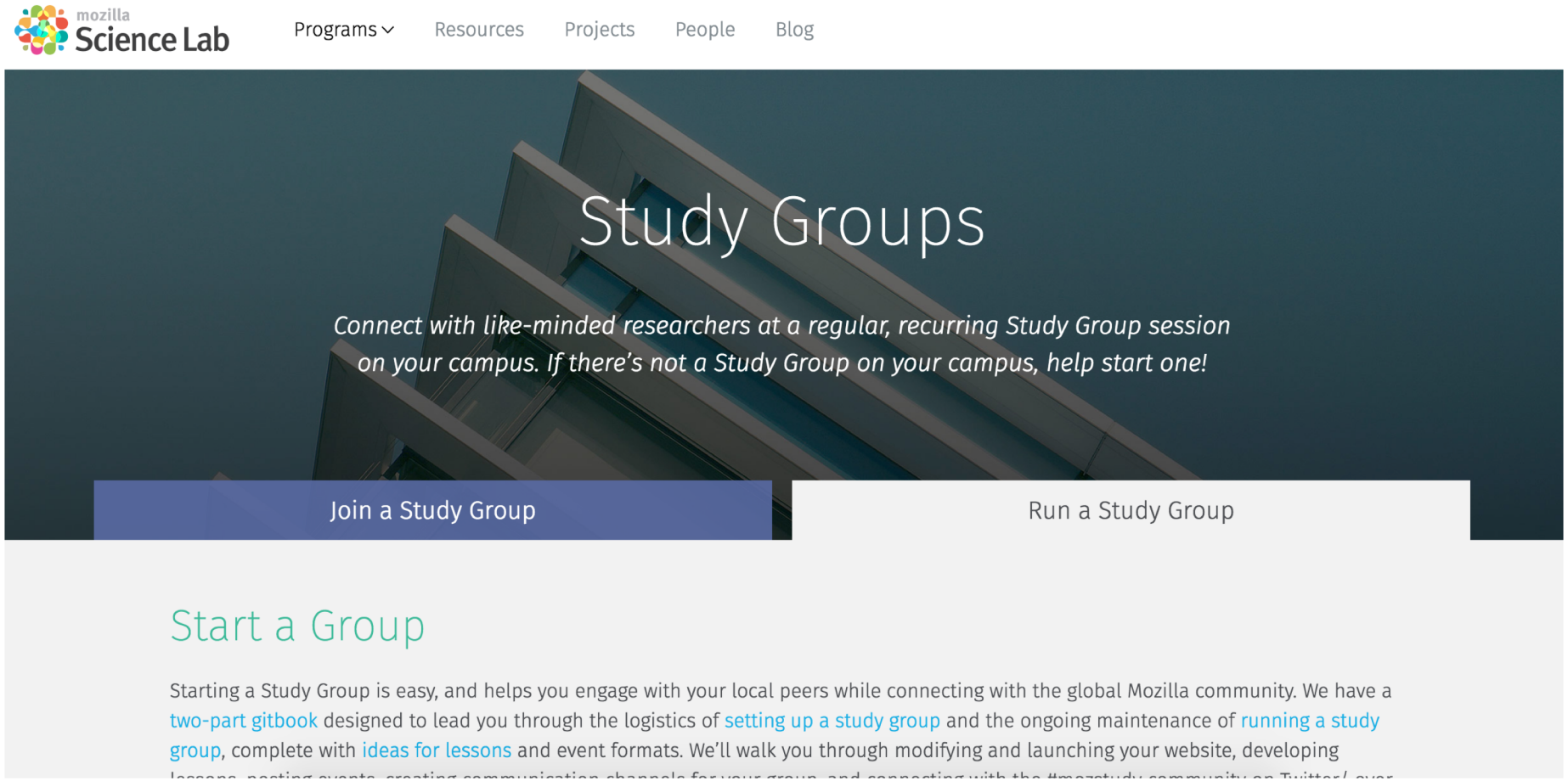
Mozilla Science – Study Groups



Existing Study Groups



Or…Start Your Own!



Handbook to get you started

Introduction

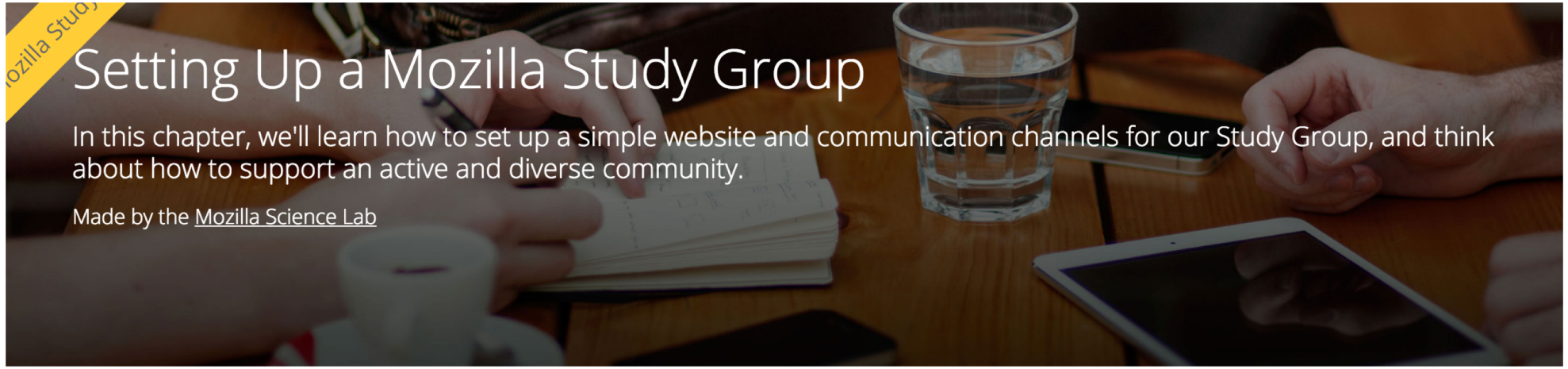
The open science movement presents many opportunities to reimagine the way we do research. Evidence continues to mount that the open publication of data and papers benefits the researchers who publish them, and the creation, modification and reuse of software is becoming commonplace in many fields of research. And yet, few places exist to support and encourage the exploration of these skills and ideas; where does a researcher go to learn these techniques and start these conversations?

It's possible to explore these opportunities effectively today by creating a **Mozilla Study Group**

Chapters

Subsections in this Chapter

Handbook to get you started



Summary

Setting up a Mozilla Study Group involves a few key steps:

- **Set up a website.** The Mozilla Science Lab has a template you can use to create a website to list events, create a discussion board and host a chat room.
- **Write or adopt a Code of Conduct.** Mozilla Study Groups work best when everyone feels welcome. A copy of the Mozilla Science Code of Conduct comes with the template website above; adopt it as is or edit it to your liking, and enforce it to create a space where people

Chapters

1. Introduction
2. Setting Up a Mozilla Study Group
3. Running a Mozilla Study Group
4. Appendix: Event Ideas
5. Appendix: Lesson Ideas

Subsections in this Chapter

1. Summary
2. Communication

Bank of Lessons

Study Group Lessons

The Study Group lessons are a great place to find existing curriculum in open science, open code, as well as creative approaches to research review and workflows. Lessons are stored in our lessons bank on github, indexed in our handbook, and mirrored on our website. Check out the issues in the lessons bank for more ideas and versions of the core lessons, and our online webcasts for remote events!

Journal Club Lessons

Journal club lessons are like reading or book club templates for scientific papers, an alternate option to code curricula for Study Group meetings.

CODING

Journal Club: Code Review

Code Review journal club is a group reading and discussion activity on the topic of examining and giving feedback on code, cross-referenced with Study Groups

OPEN DATA

Journal Club: Data Reuse

OPEN DATA

Journal Club: Reproducible Research

Optional Reading :-D

New Results

Building a local community of practice in scientific programming for Life Scientists

Sarah L.R. Stevens, Mateusz Kuzak, Carlos Martinez, Aurelia Moser, Petra M. Bleeker, Marc Galland

doi: https://doi.org/10.1101/265421

This article is a preprint and has not been peer-reviewed [what does this mean?].

Abstract Info/History Metrics Preview PDF

Abstract

For most experimental biologists, handling the avalanche of data generated is similar to learning how to drive on your own. Although that might be doable, it is preferable and safer to

https://www.biorxiv.org/content/early/2018/05/26/265421

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About Blog Talks Posters CV

Community Building - Starting A Study Group

To start with, **many thanks** to all the people who posted encouraging comments on my first post. I really appreciate all the support and shared experiences.

The need for study groups

http://sarahlrstevens.info/communitybuild_combee/