

The Carpentries: Benefits of a collaborative approach to RS skills training

Toby Hodges | 12 May 2022



Future Opportunities for Software in Research





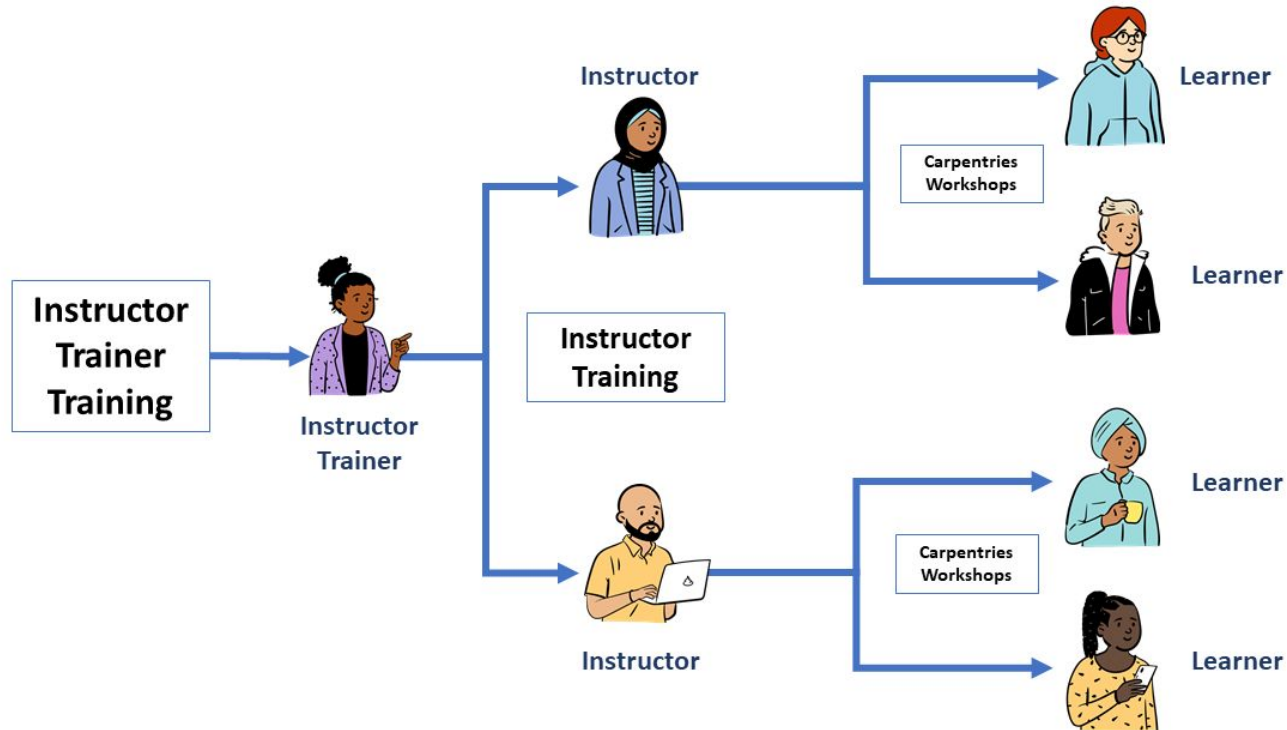
Non-profit organization that:

- Trains people in software development and data science skills for more effective work and career development
- Builds **community** and local capacity for teaching and learning these skills and perspectives



Most workshops are taught by volunteer Instructors.
All lessons are online, free to access, and open source.

Our Model for Training



Core Team



Zhian N. Kamvar, PhD

Lesson Infrastructure Technology Developer



Talisha Sutton-Kennedy

Operations Manager



SherAaron Hurt

Deputy Director of Workshops and Meetings African Capacity Development Manager



Angelique Trusler, PhD

Deputy Director of Instructor Training



Kelly Barnes, PhD



Karen Word, PhD

Director of Instructor Training



Danielle Sieh

Workshop Administrator



Erin Becker, PhD

Associate Director



Brynn Elliot

Accessibility Manager



Alycia Crall, PhD

Director of Community



Omar Khan

Communications Manager



Maneesha Sane

Quality Assurance Manager



Kari L. Jordan, PhD

Executive Director



François Michonneau, PhD

Senior Director of Technology



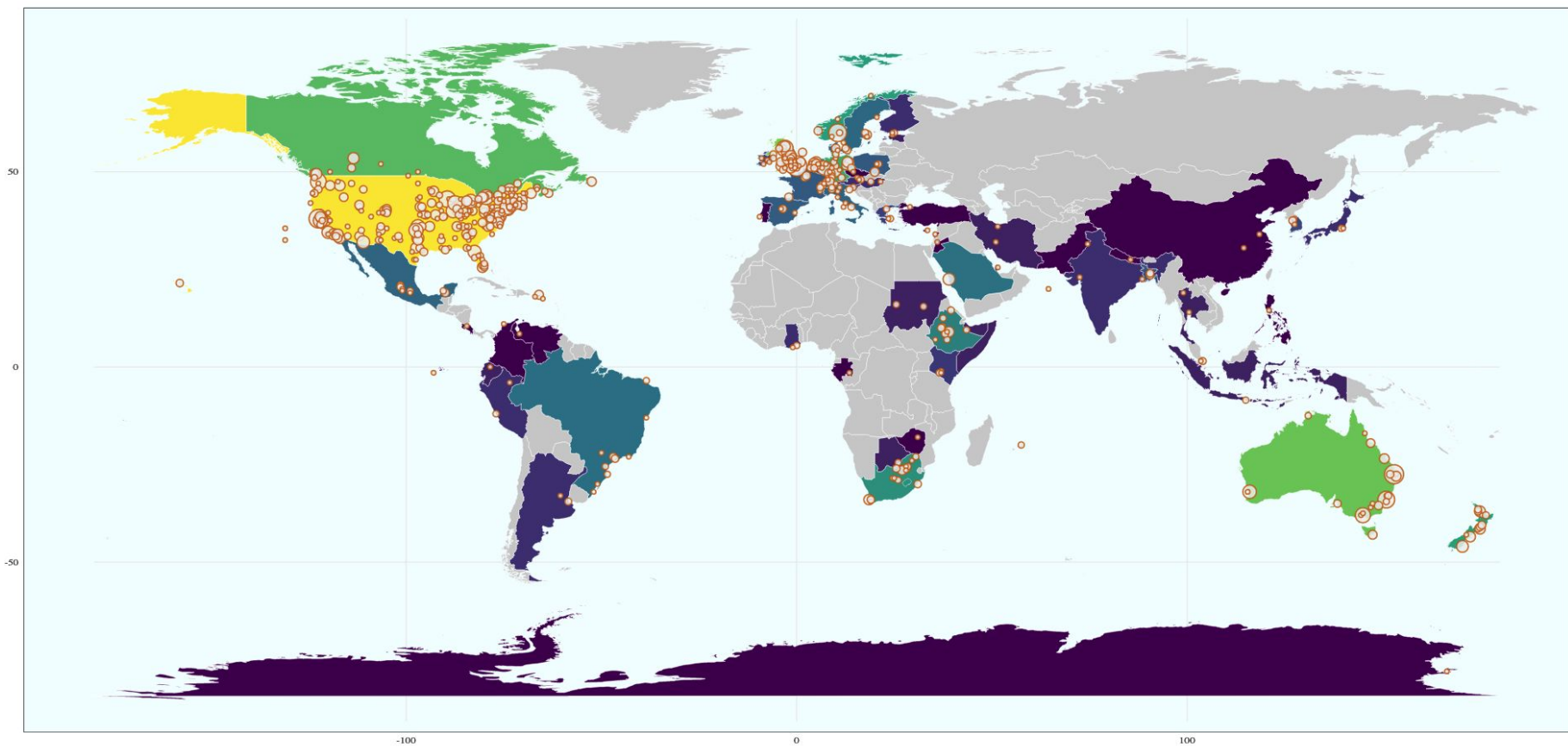
Toby Hodges, PhD

Director of Curriculum



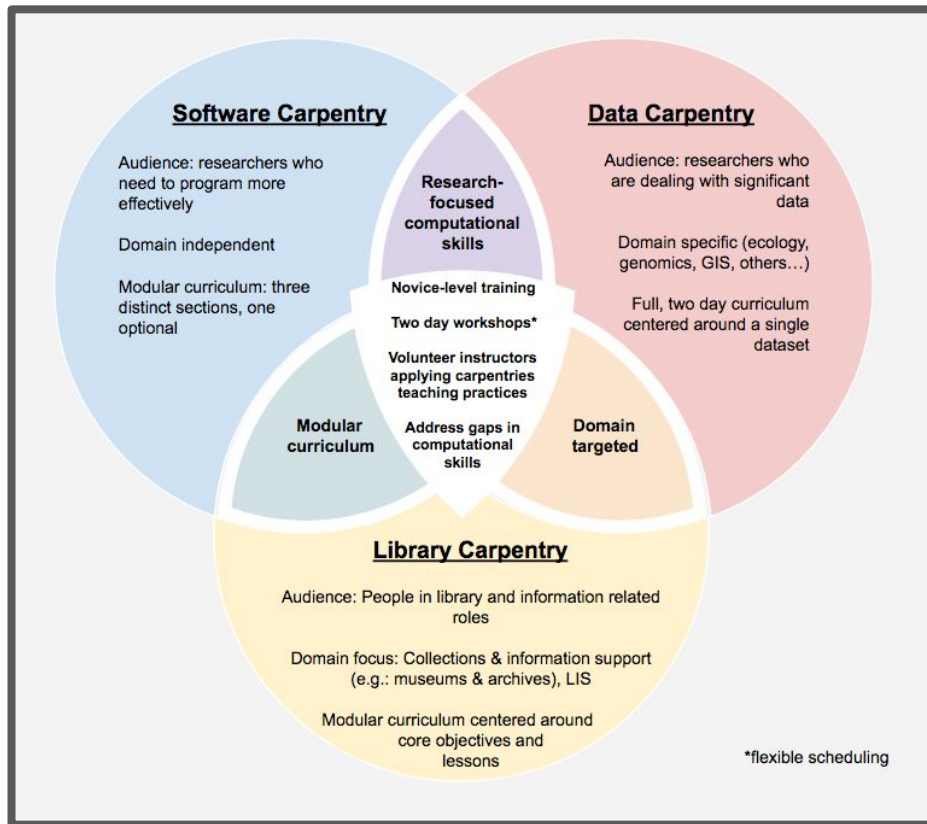
Michael Culshaw-Maurer, PhD

Postdoctoral researcher (joint with CyVerse)

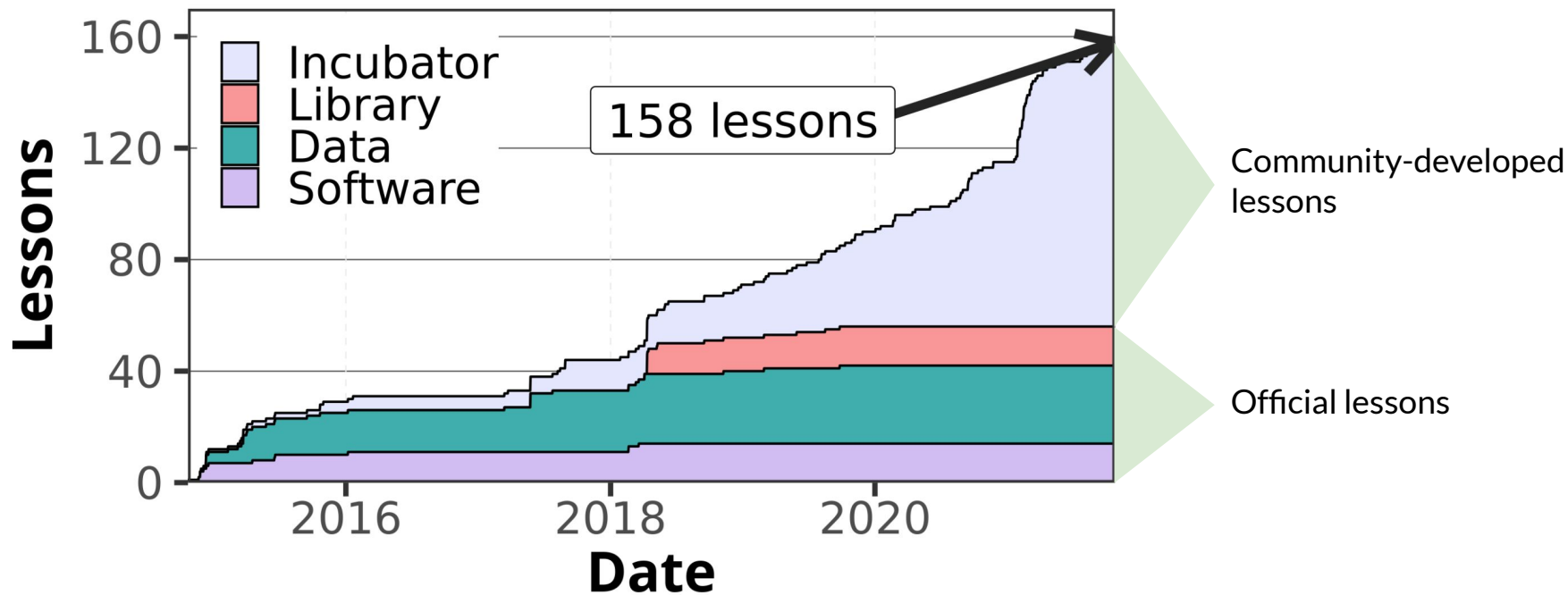


Number of workshops ○ 25 ○ 50 ○ 75 Number of Workshops 1 10 100 500

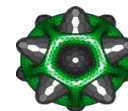




The Carpentries Curriculum Community



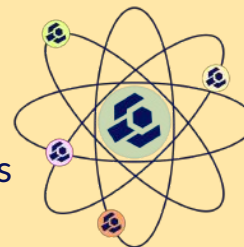
Collaborative Lesson Development



The Journal of
Open Source Education



Open peer
review in
The
Carpentries
Lab



Lesson
proposal

Taught for the first time

Taught by other instructors

Lesson release

pre-alpha

alpha

beta

stable

pilot workshops

<https://github.com/carpentries-incubator/proposals>

<https://github.com/carpentries-lab/reviews>



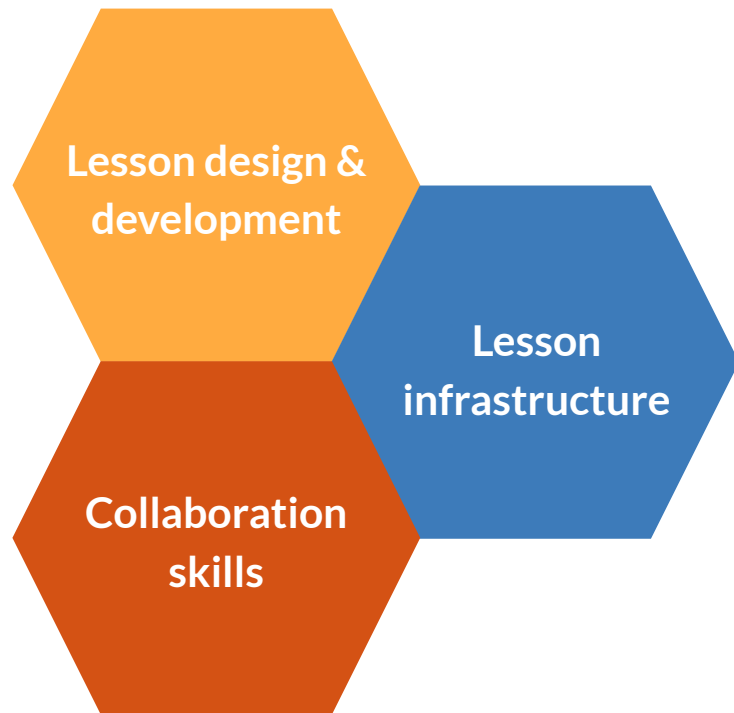
Benefits of collaborating on lessons



- Gather more perspectives
- Increase sustainability & maintainability
- Reduce duplication of effort
- Learn from collaborators
- Have more fun!

Collaborative Lesson Development Training

- New training program
- Help participants collaborate on new lessons
- First pilot June+July 2022



Acknowledgements



- The Carpentries Curriculum Team
- The Carpentries Community
- Member Organisations
- Alfred P Sloan Foundation
- Mozilla Foundation
- CZI Open Science
- Gordon & Betty Moore Foundation



Thank you!

tobyhodes@carpentries.org

 [@tobyhodes](https://twitter.com/tobyhodes)

 [@tbyhdgs](https://github.com/tbyhdgs)



THE
CARPENTRIES

