Charting a course for
Open data literacy education

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What we'll cover today

- New lesson adoption workflow for Library Carpentry
  - Encourage creation of new data literacy lessons
  - Carpentries infrastructure and peer review
- Lessons for Librarians in Open Science
  - IMLS-funded program at UCLA
  - Collaborative lesson development
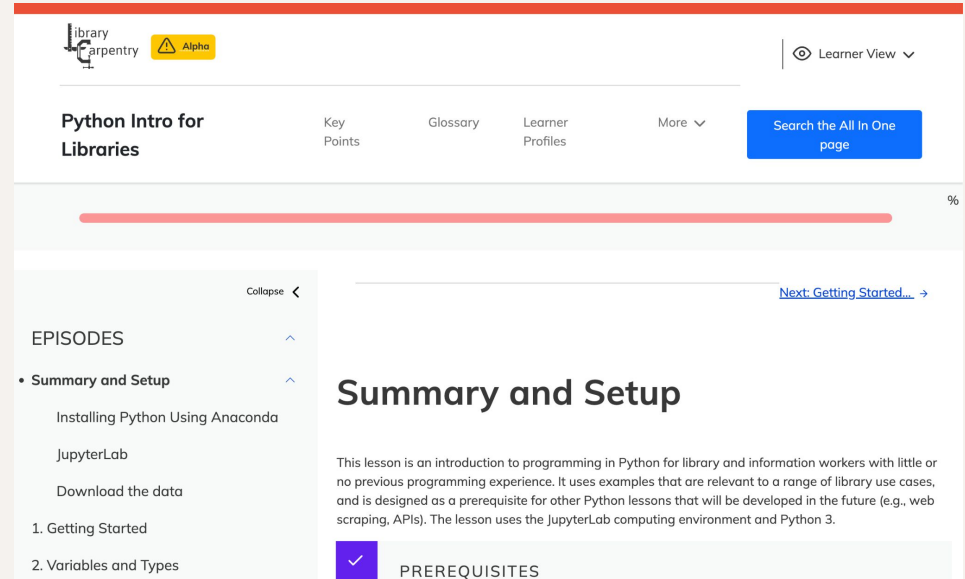 - Partnership with Library Carpentry

LC Curriculum Advisory Committee

- Library Carpentry
  - Open-source lessons for LIS folks to build software and data skills.
  - Part of the Carpentries (Software & Data Carpentry)
  - Lessons on Tidy Data, Unix Shell, Git, OpenRefine, Python, R, MarcEdit, SQL, and more.
- LC-CAC provides oversight, vision, and leadership for lessons
  - This work by Tim, Cody, Phil Reed, Annajiat Alim Rasel, & Mark Laufersweiler

Lesson adoption

Carpentries workbench

- Accessible open-source platform via GitHub Pages
- Developed and maintained by Carpentries

Lesson adoption (2)

Carpentries Incubator

- An open space for lesson development and sharing

LC-CAC and lesson authors meet to determine fit

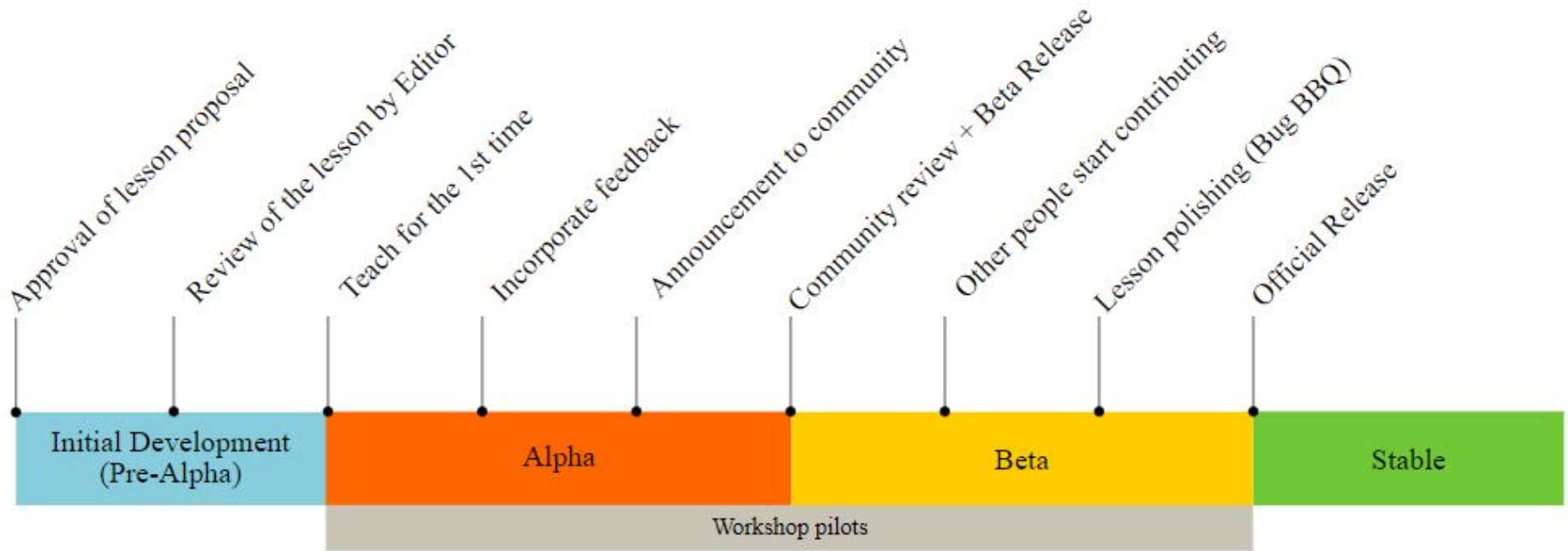- If there's a fit move through lesson life-cycle

Lesson life-cycle

Carpentries Lab

- Open peer review of high-quality, stable lessons.
- Hosts a collection of reviewed lessons
- Option to submit to Journal of Open Source Education

The Carpentries Lab

Peer-reviewed Lessons from The Carpentries Community

Current lessons

- <u>Introduction to AI for GLAM</u> (beta, Incubator)
  - LC-CAC arranged for lesson dev Sprint
- <u>Introduction to Computational Thinking</u> (pre-alpha)
  - LC-CAC migrated to Carpentries workbench

Open Science lessons (UCLA)

Review Committee (11)

A Rubric to Evaluate Proposals

Review Committee Meetings

Selected Awardees

Collaborative Lesson Development Training

IMLS: RE-252335-OLS-22

Open Science for Librarians

Open Science lessons (UCLA)

2023

32
Proposals
January 2023

6
Selected
April 2023

Collaborative Lesson Development Workshops
August - October 2023

2024

21
Proposals
February 2024

8
Selected
April 2024

Open Science lessons (UCLA)

- Collaborative lesson development training

Open Science lessons (UCLA) 2023

Lesson	Authors	Status
Research Community Outreach with Open Science Team Agreements	Samantha Teplitzky Ariel Deardorff Samantha Wilairat	Alpha
Open science hardware: an introduction for librarians	Julieta Arancio	pre-Alpha
A Path to Open, Inclusive, and Collaborative Science for Librarians	Irene Vazano Jessica Formoso	Alpha
Data Management (and Sharing) Plans for Librarians 101	Lena Bohman Marla Hertz Daria Orlowska	Alpha
Open Qualitative Research	Nathaniel Porter	pre-Alpha
Reproducible Research Workflows	Agata Bochynska	pre-Alpha

Integration with LC

- Data Management Plan lesson (alpha)
  - CAC met with lesson authors
  - CAC to help arrange for pilot workshops & feedback
  - CAC to do outreach to find instructors
  - Then move into lesson adoption policy

Future plans

LC Lesson Pathways:

- Core
- Data Analysis
- Data Cleaning
- Data Management
- Archives & Digital Libraries
- Cataloging & Metadata

Conclusion

- LC-CAC provides:
  - Guidance to new authors
  - Editorial support
  - Recruitment
- Carpentries provide:
  - Frameworks
  - Infrastructure
  - Collaborative roles
  - Community

thanks

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