CSCCE Community Profile

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The Carpentries

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COMMUNITY OVERVIEW

The Carpentries is a large, global community of technologists, scientists, researchers, scholars, and librarians from different domains of expertise. It focuses on teaching foundational computational and data science skills to librarians and researchers in academia, industry and government during its workshops, which are led by instructors around the world. The community's core offerings are called Carpentries workshops and Instructor Training. Its platforms, trainers, maintainers, instructors and learners come together for virtual community discussions, resource sharing, edits and updates (GitHub, blog) and general discussions relevant to The Carpentries (Slack, mailing list). Messages and updates are broadcast via a blog, Twitter, Slack, TopicBox, a newsletter, YouTube, LinkedIn, and Facebook. This fiscally sponsored project of Community Initiatives was launched in 2018, with lesson programs (Library Carpentry, Software Carpentry, and Data Carpentry) existing for 3 - 8+ years prior.

- DATA SCIENCE
- SOFTWARE SUSTAINABILITY
- DIVERSITY/EQUITY/INCLUSION
- INFRASTRUCTURE DEVELOPMENT
- PROFESSIONAL DEVELOPMENT
- SKILLS DEVELOPMENT
- MULTI-STAKEHOLDER COLLABORATION

- Website: carpentries.org

COMMUNITY BASICS

2800 trained instructors within a broader community of more than 10 000

Mostly online with some in-person events

International

Open

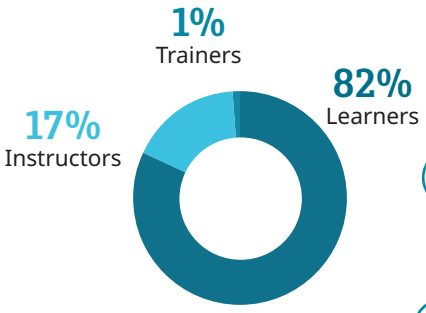
Community of Practice

COMMUNITY STRUCTURE

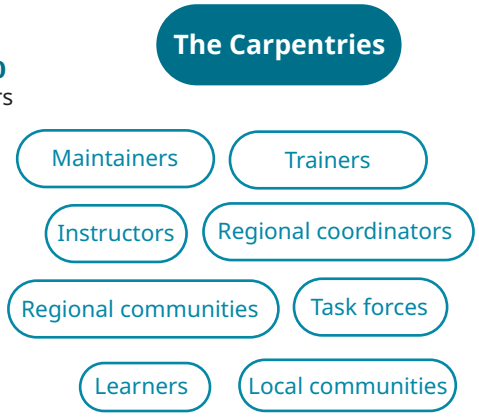
Community Management

Community management is provided by all 13 **core team members** to varying degrees. Additionally, there are various task forces and committees, with **team members** tending to their specific sub-community. There are specific, formalized **ambassador**-type programs for Trainers, Instructors, Maintainers, and Regional Coordinators, among others.

Members



Community Configuration



THE CARPENTRIES

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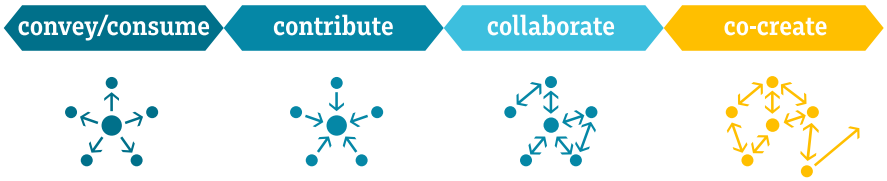
PROGRAMMING

The CSCCE Community Participation Model describes four modes of member engagement that can occur within a community: CONVEY/CONSUME, CONTRIBUTE, COLLABORATE, and CO-CREATE. All modes may be present at once, with some members interacting in multiple modes - or a community may have member engagement that falls into only some of the modes described. The model enables the mapping of community member behaviors to programming and other infrastructural support that the community manager, convening organization, or funder may provide to the community. For more information, see the CSCCE community participation model.

IN THIS COMMUNITY

Online activities include discussions in Github, Slack, TopicBox, and Discourse, plus group emails, webinars, coding, working groups, and committee meetings. Offline activities include workshops, conferences, and community-led events.



- newsletters
- Twitter
- blog
- website
- community platform

- newsletter content
- asking questions
- guest blog post
- sharing resources
- providing code
- completing a survey

- contact one another directly
- leading a webinar
- sharing resources

- simultaneous co-authoring
- participating in working groups

OUTPUTS & EVALUATION

Success looks like becoming the leading inclusive community teaching data and coding skills.

Evaluation and Reporting

- Reports for community team
- Community member surveys
- Community member interviews

Opportunities

- New events
- New working groups
- New funding stream
- New program
- Branch into new domain
- Diversify digital engagement

Challenges

- Funding
- Community recognition and incentives

Successes over the last year

- **Growth** – adding new members
- **Growth -** adding additional sub-communities or working groups
- **Financial** - new funding stream
- **Engagement** – increased activity of members (commenting or attending)
- **Productivity** – co-creating community outputs
- **Recognition** – awards/articles/ invitations
- **Recognition** – members see value

COMMUNITY TOOLBOX

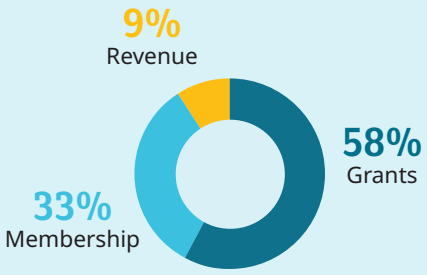
Communications

Email
Slack
MailChimp
Blog
Twitter
TopicBox
Zoom
GitHub
LinkedIn
Facebook

Productivity

R
Google Drive
AWS
Typeform
Google Analytics

FUNDING



Funding Streams

- 58% Grant Funded (Alfred P. Sloan Foundation, California Digital Library, Chan Zuckerberg Initiative, Moore Foundation, Institute of Museum and Library Services, Gordon and Betty Moore Foundation, Mozilla Open Source Support program, R Consortium)
- 33% Institutional memberships
- 9% Revenue from providing services e.g., training