

# Community Development

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# Plan for this Session

- Introductions
- Overview of The Carpentries in Africa
- Some ideas and theories that shaped my thinking about community
- Useful resources for community development

# Introductions



Please visit this session's etherpad and tell us a few things about yourself...

<https://bit.ly/2NaJZFa>

**Keypoint:** It's important to know who is in the community, what skills are available, and where people are located

# About the Carpentries in Africa

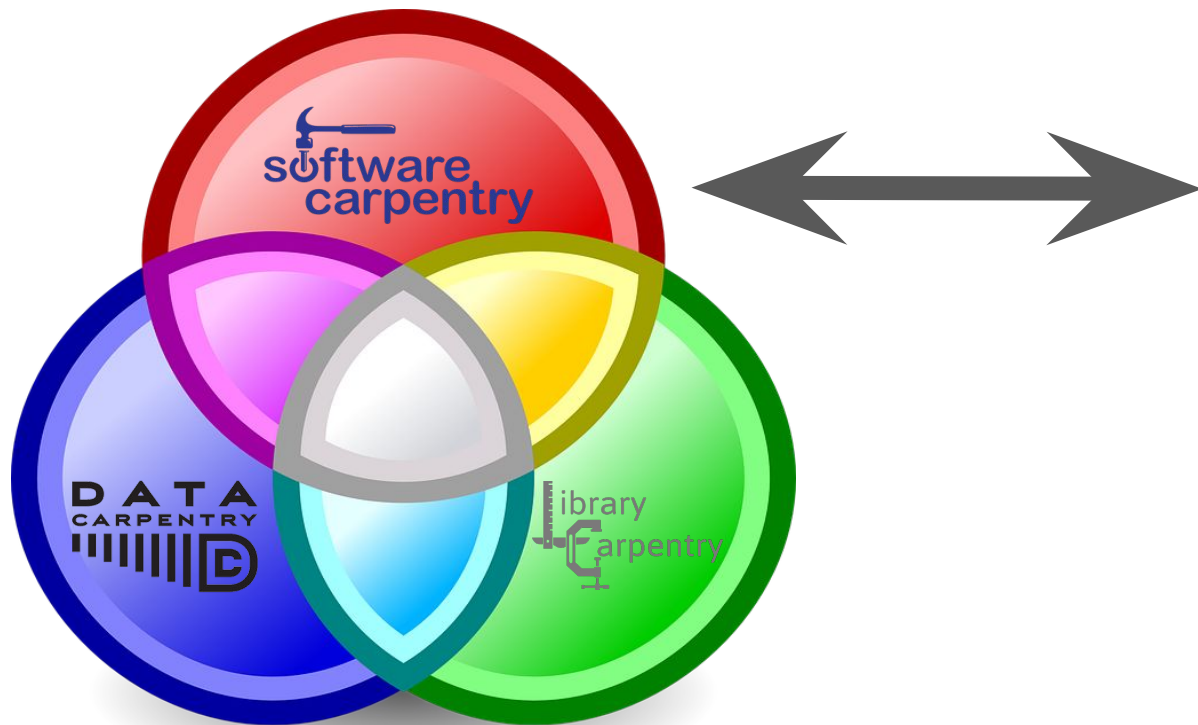
- Workshops
- Curricula
- Instructors
- Learners
- Task Force

**Keypoint:** It's good to know about activities, challenges and opportunities that other communities faced. You may learn something or be able to help them solve a problem.

# Workshops



# Curricula





<https://twitter.com/aneldavdw/status/769148580141604864>



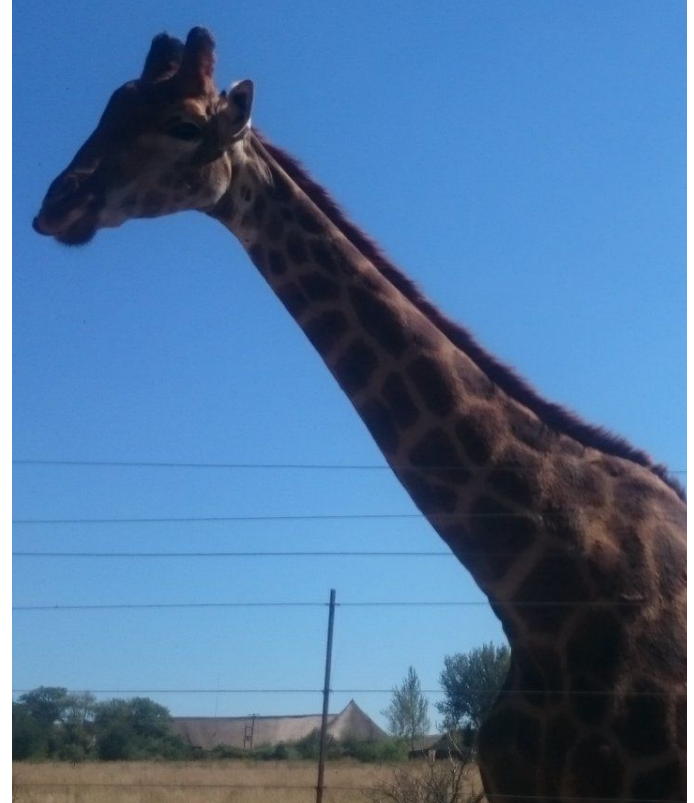


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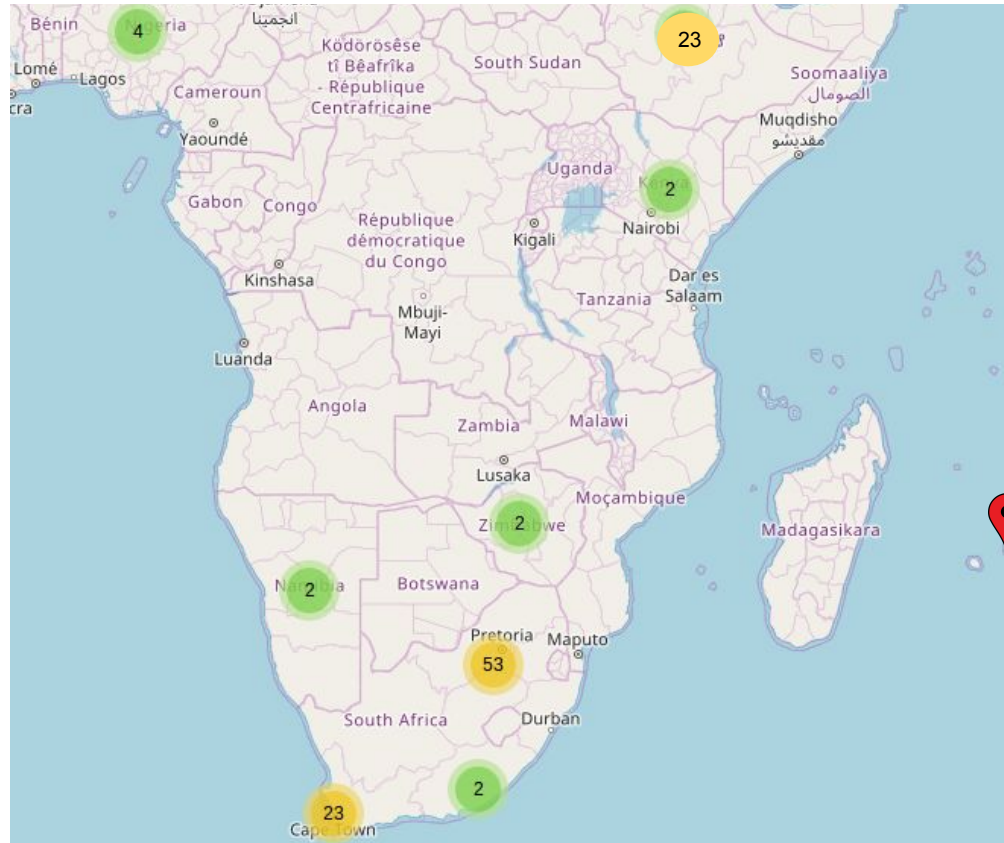


# Workshops and Visitors from the Wild





# Instructors Trained



# African Task Force



# Why Community Development?

- The workshop is a good start but...
  - Novices
    - Context
    - Additional resources
    - Feedback
  - Novices and seasoned community members
    - Quick tricks (both from seasoned and novices)
    - Collaboration
    - Safe environment to fail and test ideas



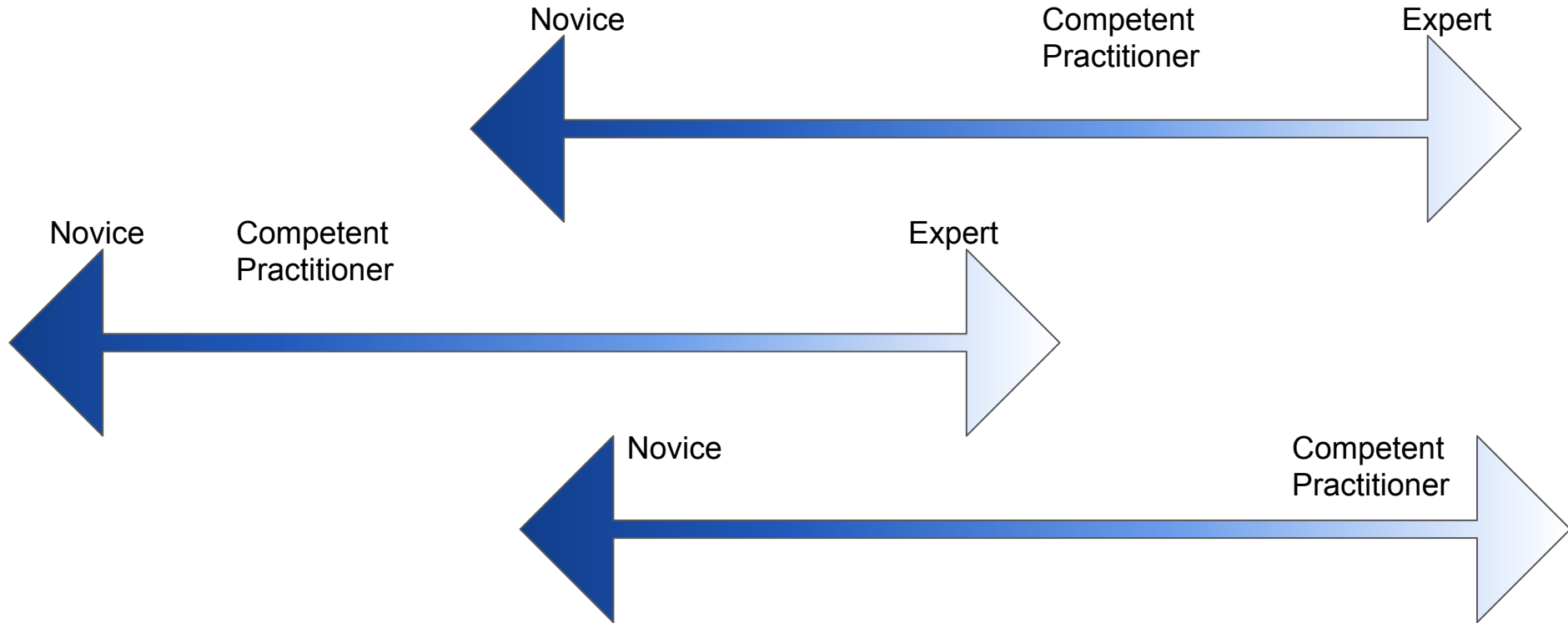
*Why are you interested in community development?*



# Understanding diversity in the community

**Keypoint:** Launching into community development without having a sense of your target audience may cause more frustration. Think about what you want to achieve with your community activities and who you are hoping to attract.

It's important to understand the continuum (“we are not our learners”)



# Cynefin Framework

OPEN ACCESS Freely available online



Community Page

## Best Practices for Scientific Computing

**Greg Wilson<sup>1\*</sup>, D. A. Aruliah<sup>2</sup>, C. Titus Brown<sup>3</sup>, Neil P. Chue Hong<sup>4</sup>, Matt Davis<sup>5</sup>, Richard T. Guy<sup>6</sup>, Steven H. D. Haddock<sup>7</sup>, Kathryn D. Huff<sup>8</sup>, Ian M. Mitchell<sup>9</sup>, Mark D. Plumbley<sup>10</sup>, Ben Waugh<sup>11</sup>,**

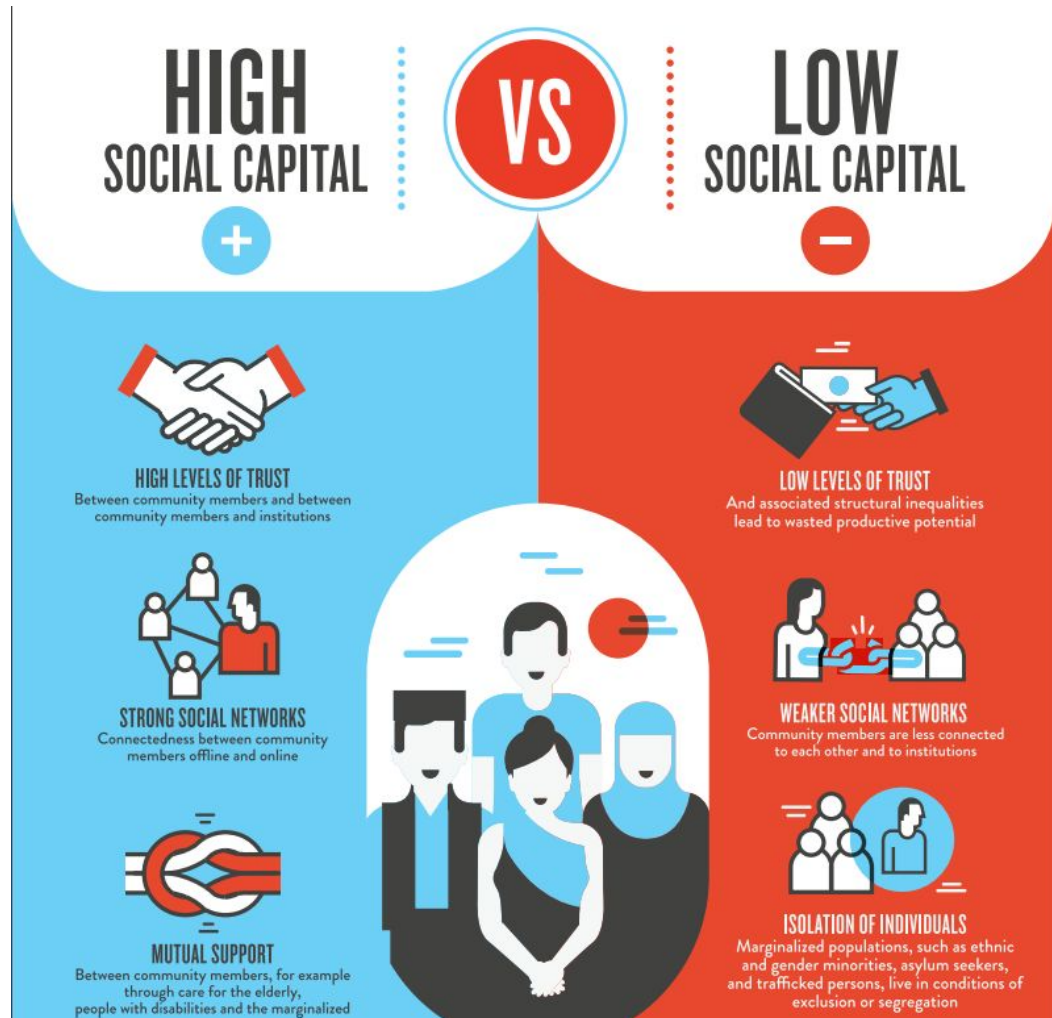


PERSPECTIVE

## Good enough practices in scientific computing

**Greg Wilson<sup>1</sup>\*, Jennifer Bryan<sup>2</sup>, Karen Cranston<sup>3</sup>, Justin Kitzes<sup>4</sup>, Lex Nederbragt<sup>5</sup>, Tracy K. Teal<sup>6</sup>**

# Social Capital



# Social Capital



source: <https://i.pinimg.com/originals/19/10/4f/19104fbc8c13fc2aad20b8b3b64f2a8.jpg>



Developing communities - Tools and Resources

# Various resources

- <https://mozillascience.github.io/study-group-orientation/>
- <https://cookbook.carpentries.org/>
- <https://rladies.org/>
- <https://www.r-consortium.org/projects/r-user-group-support-program>
- <https://wiki.python.org/moin/StartingYourUsersGroup>

# Mozilla Science Study Groups

*You're not required to be an expert coder to lead a Study Group!*

- **Outreach and communications**, as you find your first few members and get about the group, and as you publicize each of the group's meetings and events;
- **Logistics and event coordination**, as you organize group meetings and events;
- **Strategy and planning**, as you create a schedule and plan for your group over a semester or year, and tweak that plan to respond to the needs of your group;
- **Teaching**, as you prepare some of the materials and facilitate skill-sharing sessions for your group;
- **Community-building**, as you find ways to invite new members in and expand your group;
- **Mentoring**, as you create a group that leverages the skills and abilities of all members in co-teaching, co-facilitating, and co-organizing-- in other words, you get lots of help!

<https://mozillascience.github.io/study-group-orientation/>

# Thinking about the format of your sessions

- Work along
- Co-working session
- Strategy circle
- Hacky hour (remember to set expectations)
- Lightning demo series
- Lightning demo party
- Other....

# Some final ideas

- Don't try to do this alone
- Look around for existing, reusable resources
- Plan long-term
- Don't be discouraged when numbers drop
- Have a succession strategy
- Cross-pollinate with other groups (even remote)



# Thank you!

If you are keen to work through some of the other materials, let's meet up during the course of today or tomorrow for a co-working session!

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