Collaborating closely and clarifying expectations: projects who introduce a design role should plan for close collaborative work between roles, including time and activities to clarify mutual expectations and needs.

ref.s mork on

The projects that I'm on is really a collection of different goals and different incentives.

These different roles can be community managers, students, project managers, developer relations, labs, institutions, open source program offices and funders all ensure that the wider ecosystem of Science and Research OSS is operating as well as it can.

It's important to remember that different kinds of people and roles make Scientific & Research OSS tools open, accessible, stable and sustainable as well as the three role types covered in this Zine.

The zine you're holding is a part of

USER - a research initiative that

concerns how 'design' and
'usability' are broadly thought

about and practiced within

Scientific & Research open-source

software projects and teams.

Learn more about the project:

Common Language



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Кespect

proje close and a

To me, design means structuring your software in a way that others and yourself future self can understand and build on.

contributor, 1 have responsibility as a point of

I'm an r&d engineer, a developer, an individual

What we heard from them

They care about the stability and flexibility of infrastructure and code. To ensure more contributions, code and docs make sense and users support requests are responded to as quickly as possible.

community calls, conference meet ups.

contact for commercial customers.

- Support: Github, emails, chats (matrix etc.), forums
- Documentation: Notes/docs apps, markdown, demos
- Coding: Terminal, coding apps (VS Code etc.), Python.

STOO

- Community and contributor onboarding
- Documentation, support requests comms
- Code contributions and maintaining the OSS

Role and responsibilities



O2S Developer



Contribution means people working with me on the code in collaboration. I rarely work by myself.

We are people with big picture ideas and we may be less tech-savvy but still have stake.

мрат ме ћеата from them

They care about Science and Research being open, accessible and understandable for the long term future and their own science and research purpose and career being sustainable and stable.

conferences, workshops, teaching.

- cleaning, Python packages.

 Project and community management: Github,
- Coding: Jupyter Notebooks, R, Data science and
- Science: Paper writing and speaking, citation tech.

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- Docs, some coding and training/workshops
- Citations, reproducibility and peer reviewing
- Scientific and Research purposes are prioritised

Role and responsibilities



OS+SR Researcher

The Usable Software Ecosystem Research (USER) project was initiated by Superbloom Design and funded by the Sloan Foundation. It explores how Scientific & Research open-source software teams understand, consider, and undertake usability and design opportunities in their projects.

Through a variety of research methods such as literature reviews, semi-structured interviews, surveys, and ecosystem mapping, the research aims to obtain a better understanding of:

- How norms in academic, science, and/or open-source working environments affect the choices teams make around their users and different kinds of design interventions.
- How team dynamics and trust affects those choices.
- What teams would need to be interested in or able to prioritize usability and design in their work.

In this zine, we'll share with you an overview of how different roles define themselves in Science & Research OSS and how they attempt to understand each other better.

I often get asked "what do you do? - I've never Science & Research project team members.

I don't have any formally assigned role by the project. But I'm definitely in the design sphere.

What we heard from them

accessibility.

They care about the end-user experience, for example: how consistent the user interface is, how easy it is to use software. And inclusivity of users and

- usability test interviews.
 Project management: Github, Notes/docs apps
- Research: Community calls, Forums, Github Issues,
 - Design: Figma, Penpot, Adobe, written docs

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- Community engagement as user research
- Design the user experience and the user interface
 - Non-code contributions

Role and responsibilities



OSS Designer

Getting to know each other

>> Designers, OSS S&R Developers and Researchers

From December 2022 to February 2023, we spoke to 24 research participants who are maintainers, developers, designers, scientists, researchers, funders, Open Source Program Offices and stakeholders – all involved with creating and maintaining Scientific & Research OSS.

One of the questions we asked was "Imagine a designer joined your team. What do you think this would be like?" — Here is what we've learned:

Many S&R OSS and Designers struggled with achieving a mutual understanding and respect for each other's needs from the project. Designers wished for a "common language" which they tried to work towards by explaining terminology and educating team members. However, even shared terms did not necessarily translate into a lived design practice when working on the software.

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