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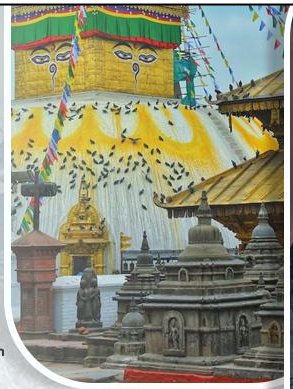
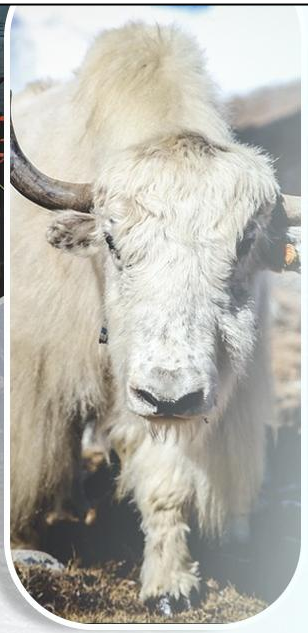
Research Software Engineering (RSE) Asia Association: Journey and Future Plans





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Saranjeet Kaur Bhogal

- **Community Manager (Asia),** Research Software Alliance (ReSA)
- **Lead & Co-Founder,** RSE Asia Association
- **Fellow 2023,** Software Sustainability Institute

Scan here for my webpage:

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@RSE_Asia

<ReSA>
Research Software Alliance

More about me …

Season of Docs

Technical Writer 2022

TOPS

Subject Matter Expert

Google Summer of Code

Developer 2020

NUMFOCUS Incubator
OPEN CODE = BETTER SCIENCE

Founding Committee Member

THE CARPENTRIES

Instructor

CS&S Code for Science & Society

Digital Infrastructure Incubator 2021

RSE ASIA ASSOCIATION

Co-Founder

RSE Impact Award 2022

Software Sustainability Institute

Fellow 2023

Communities

• R-Ladies Global (Global team Member)	• Open Life Science (Cohort 4 and 6 Mentee, Cohort 7 Mentor)
• The Turing Way (Contributor)	• Research Software Engineering (Society Member)

Who is a Research Software Engineer (RSE)?

A broad term for people who combine programming and research skills that have trouble defining their role and value within academia.

Examples:

- *Researchers and academics who code,*
- *Generalists who bring communities together across the research and technical domains,*
- *Systems Administrators who maintain research systems, and*
- *Software Engineers who work in the research domain.*

The RSE movement

- Began at the Collaborations Workshop, an event by Software Sustainability Institute at Queen's College Oxford (March 2012)
- A small group met to discuss the lack of careers for software developers in academia
- That meeting lead to a nationwide campaign
- A vibrant international community
- **A new role in research:** The **Research Software Engineer** or **RSE**

"Monarch butterfly on Cosmos." by Bernard Spragg is marked with CC0 1.0.

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@RSE_Asia

RSE Asia and the international RSE Community

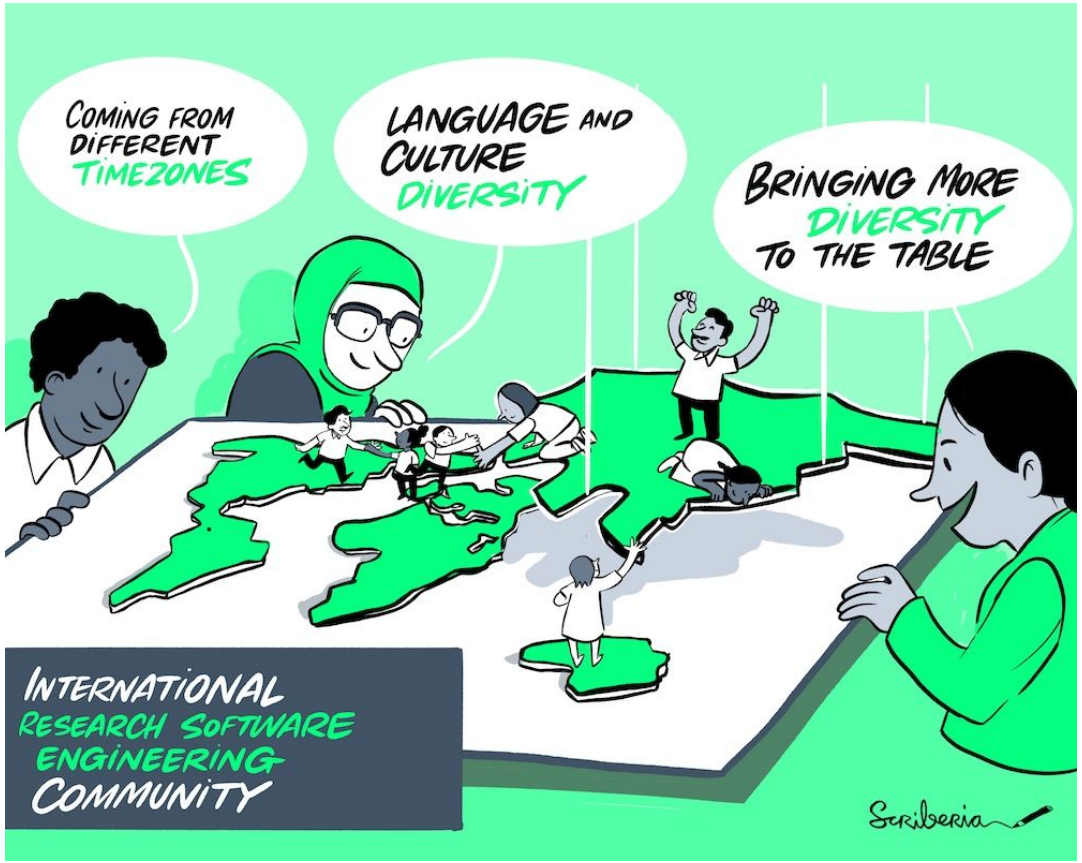
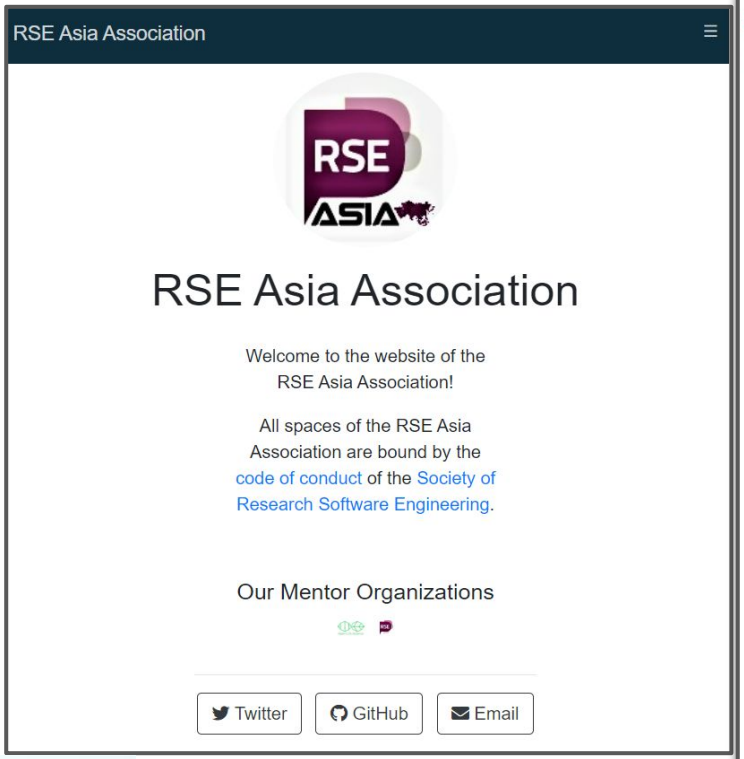


Illustration used under a CC-BY 4.0 licence. Zenodo. DOI: 10.5281/zenodo.3332807

Launch of RSE Asia Association through OLS-4



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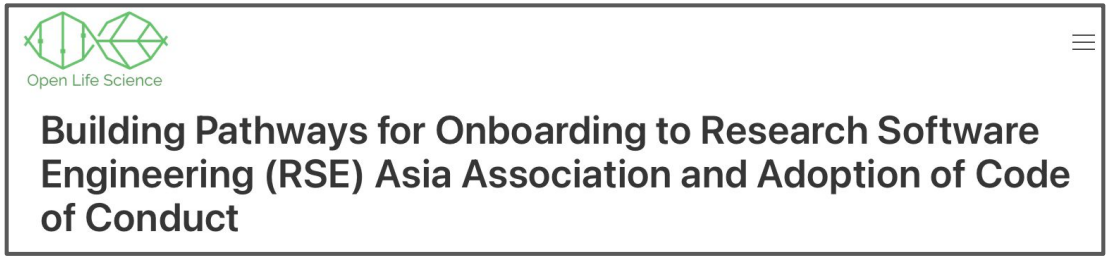
Journey continues through OLS-5



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Open Life Science

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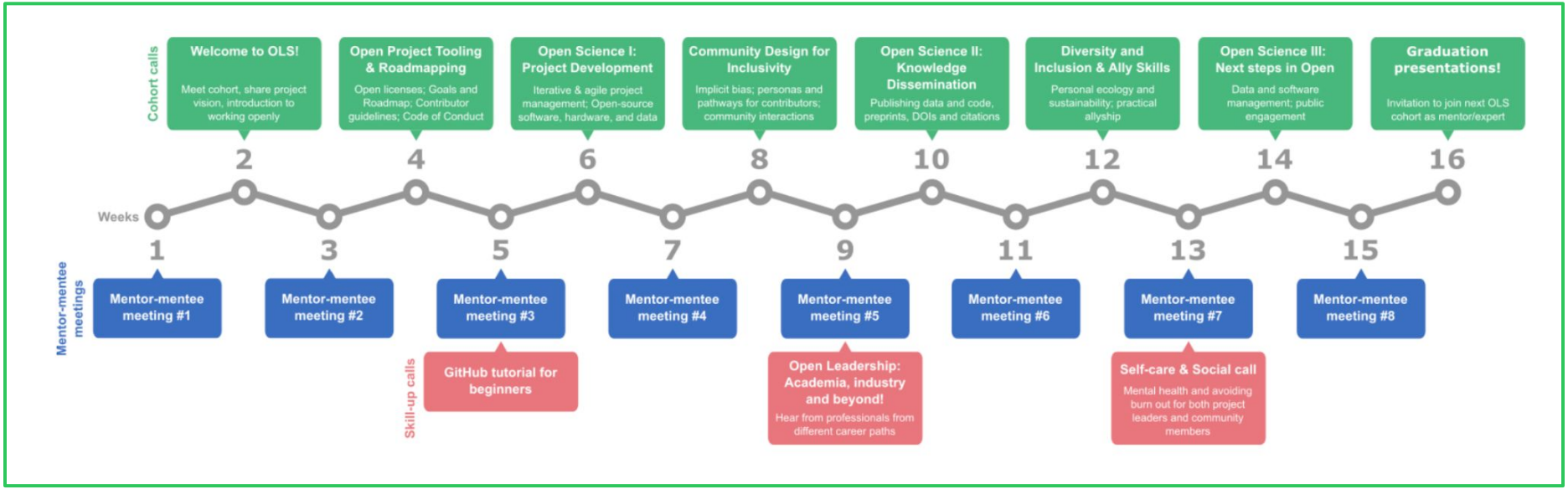

https://openlifesci.org/

@openlifesci

@RSE_Asia

Sponsorship by OLS!

Stickers, Pens, and more …

Open Life Science

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RSE Asia Association: Mission

To promote and build the Research Software Engineering Community and Profession in the Asian region while also fostering global collaborations.

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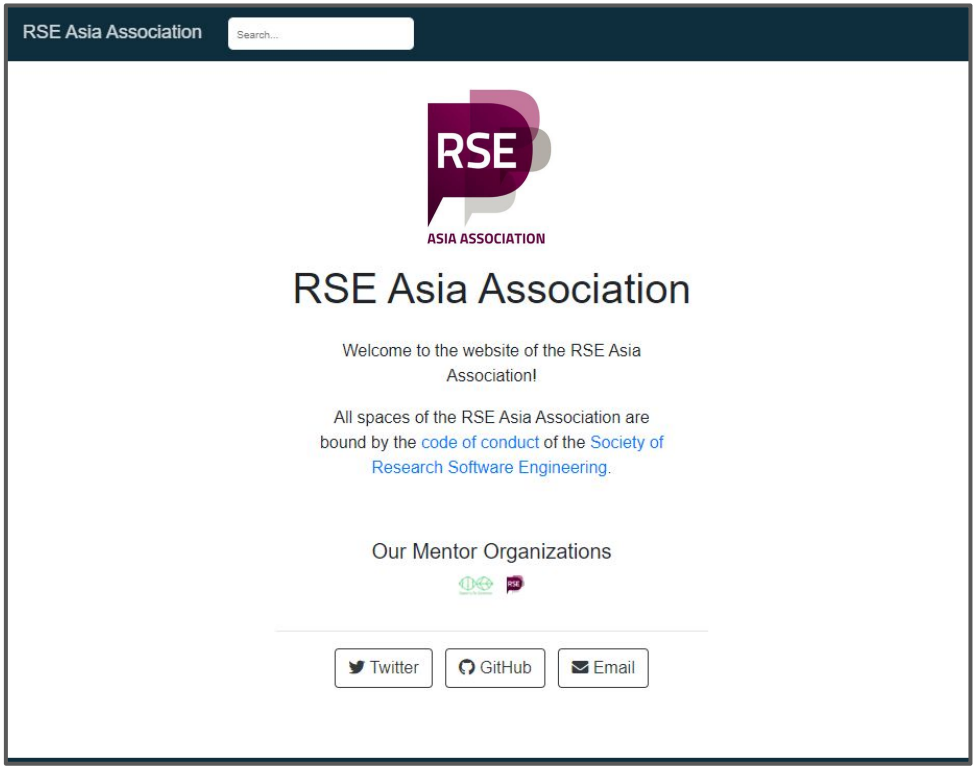
Activities at RSE Asia

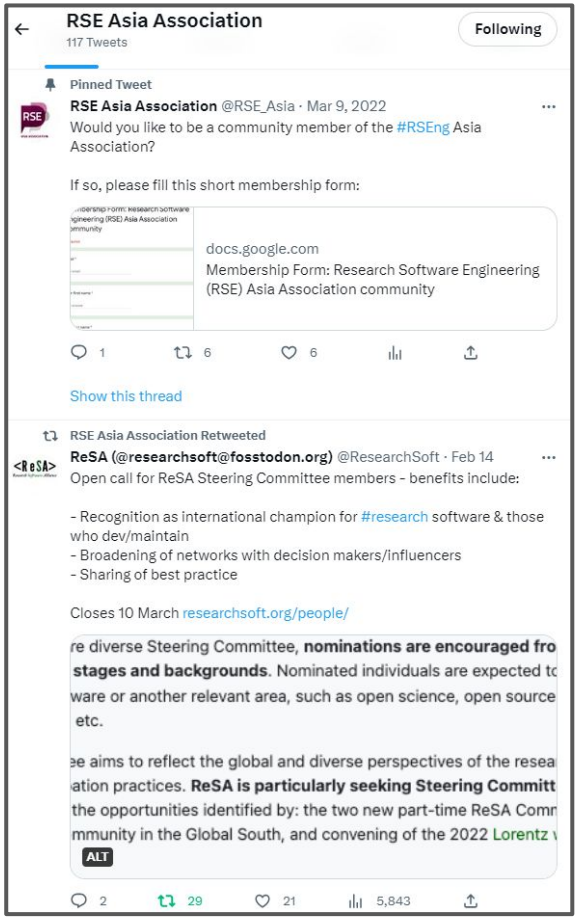
@RSE_Asia

"Kinder Surprise working gnomes against white background" by Horia Varlan is licensed under CC BY 2.0.

RSE Asia Website & Twitter



https://rse-asia.github.io/RSE_Asia/



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Participated in Hacktoberfest 2021 at our Launch event

(Online)

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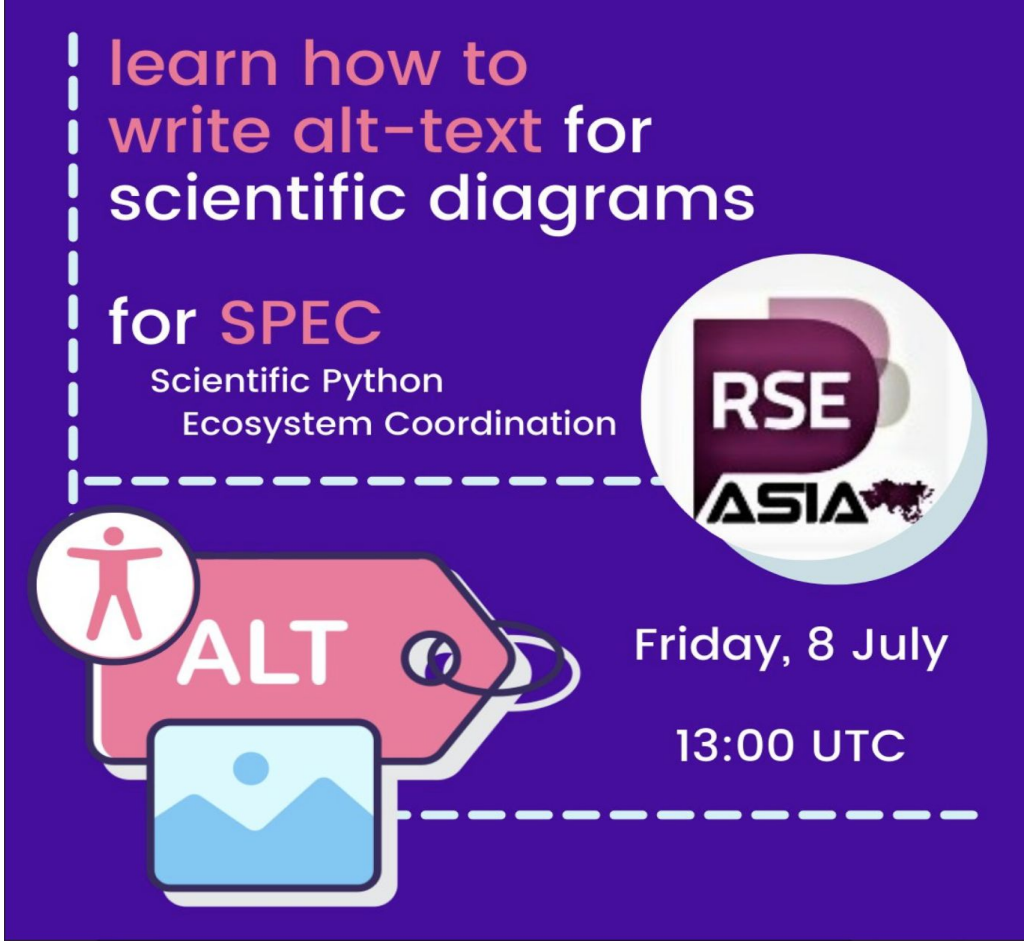
Organised a Workshop on “Learn How to Write Alt-Text for Scientific Diagrams”

(Online)



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Organised an Unconference in collaboration with RSE Australia

(Online)

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Participated in Hacktoberfest 2022 for the whole month of October 2022

(Online)

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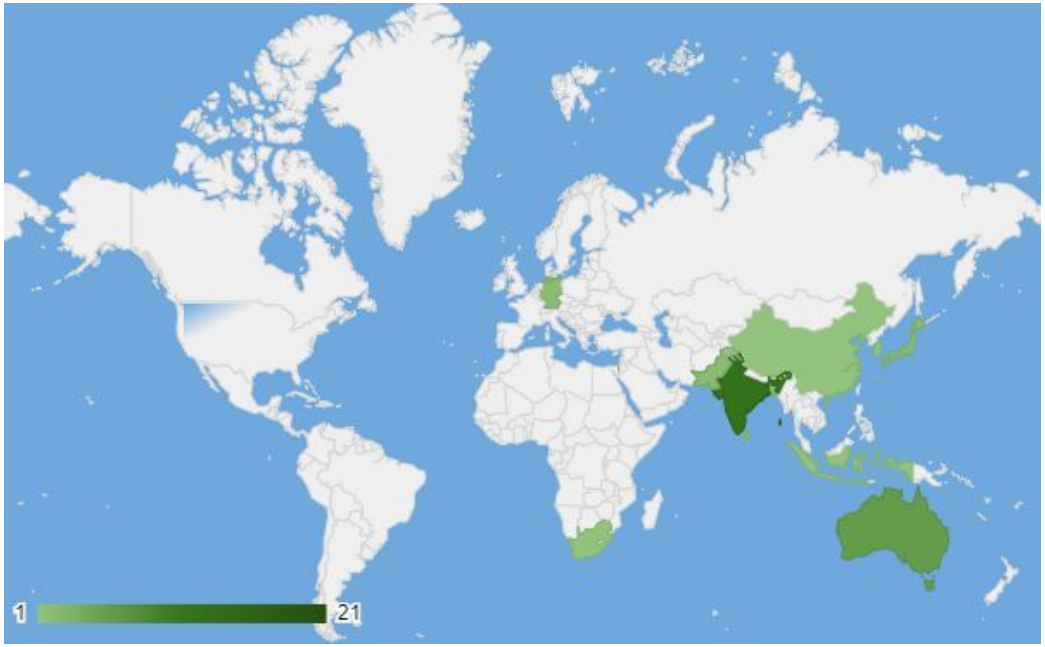
RSE Asia Association Community Map (As of March 2023)



Community Membership

RSE ASIA ASSOCIATION

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About the Research Software Alliance (ReSA)

Vision: Research software and those who develop and maintain it are recognised and valued as fundamental and vital to research worldwide.

Mission: To bring research software communities together to collaborate on the advancement of the research software ecosystem.

My role: Responsible for community engagement by sharing information on research software community news and initiatives from Asia with the international ReSA community and developing awareness of ReSA in Asia to support growth of the research software community.

https://www.researchsoft.org/

@ResearchSoft

<ReSA>
Research Software Alliance

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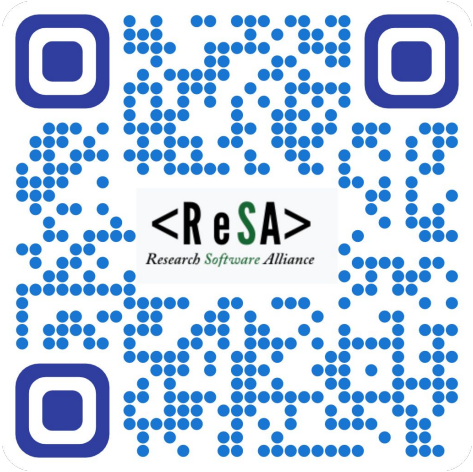
Opportunities to get involved with community initiatives

Some recent ones:

- pyopensci: Help wanted https://github.com/orgs/pyOpenSci/projects/3/views/1
- Registration open for Collaborations Workshop 2023 (CW23) hybrid: UK & online https://www.software.ac.uk/news/registration-open-collaborations-workshop-2023-cw23
- Survey of Collective Learning in Scientific Software Development If you develop scientific software in your work and want to contribute to a study of collective learning, please consider taking 5-10 minutes to fill out this survey! This survey is part of a study on collective learning in interdisciplinary groups that develop scientific software. Ends 30 March

Subscribe: ReSA monthly newsletter



@ResearchSoft

Saranjeet Kaur Bhogal

Questions?

Scan here for my webpage:

CC BY

Task!

- Share your thoughts on the google form
- We will reshare your views on the RSE Asia Twitter (by tagging you or anonymously, if you prefer the latter)
- Selected 6 submissions will get a gift!

Scan the code to participate:

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