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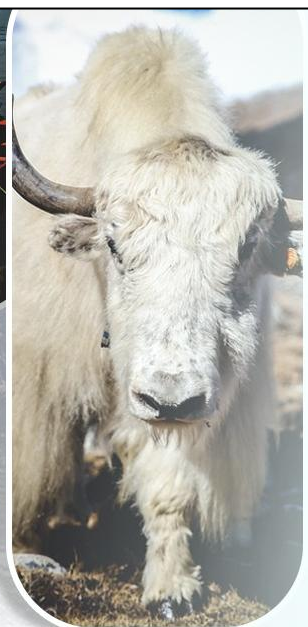
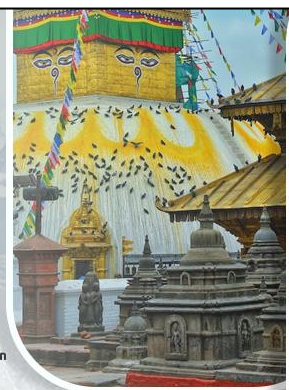


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Research Software Engineering (RSE) Asia Association: Journey and Future Plans

Supported by



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:



@RSE_Asia

India



<ReSA>
Research Software Alliance

More about me ...



Technical Writer 2022



Subject Matter Expert



Google
Summer of Code

Developer 2020



Founding Committee Member



Instructor



Digital Infrastructure Incubator
2021



Co-Founder



RSE Impact Award 2022



Fellow 2023

Communities

- | | |
|--|--|
| <ul style="list-style-type: none">● R-Ladies Global (Global team Member) | <ul style="list-style-type: none">● Open Life Science (Cohort 4 and 6 Mentee, Cohort 7 Mentor) |
| <ul style="list-style-type: none">● The Turing Way (Contributor) | <ul style="list-style-type: none">● 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.*

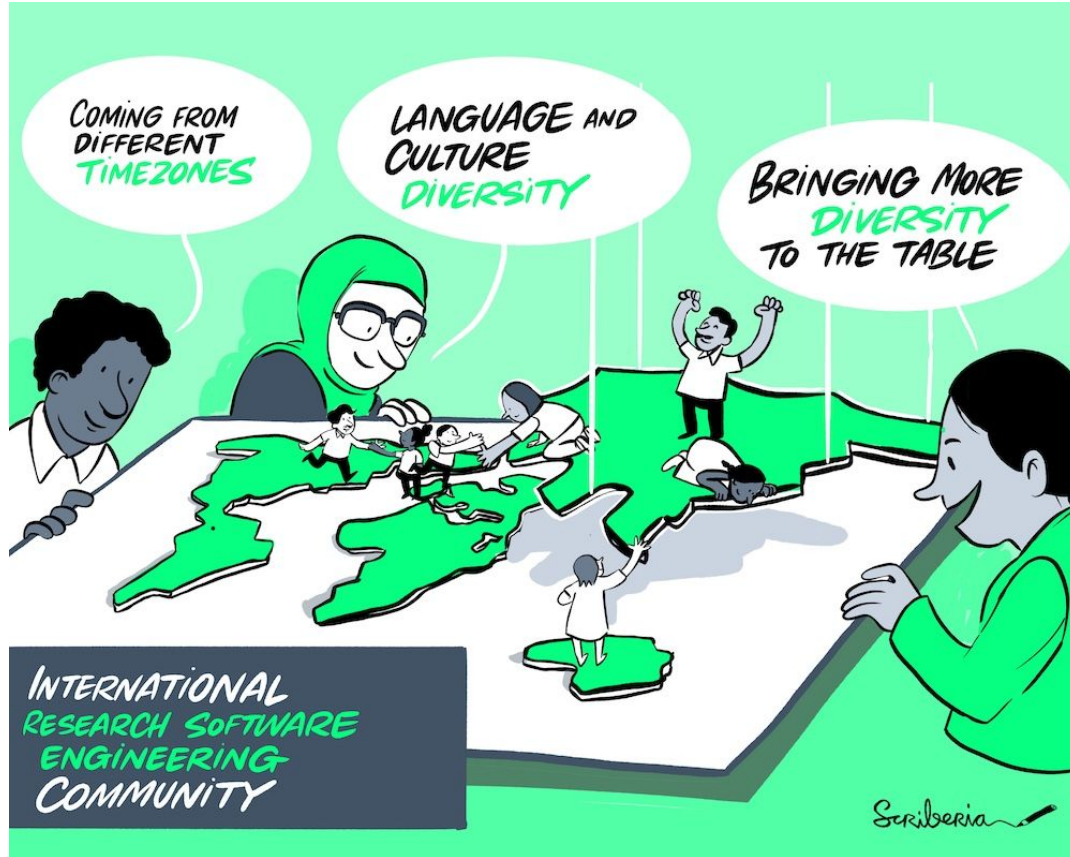
The RSE movement

- 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**

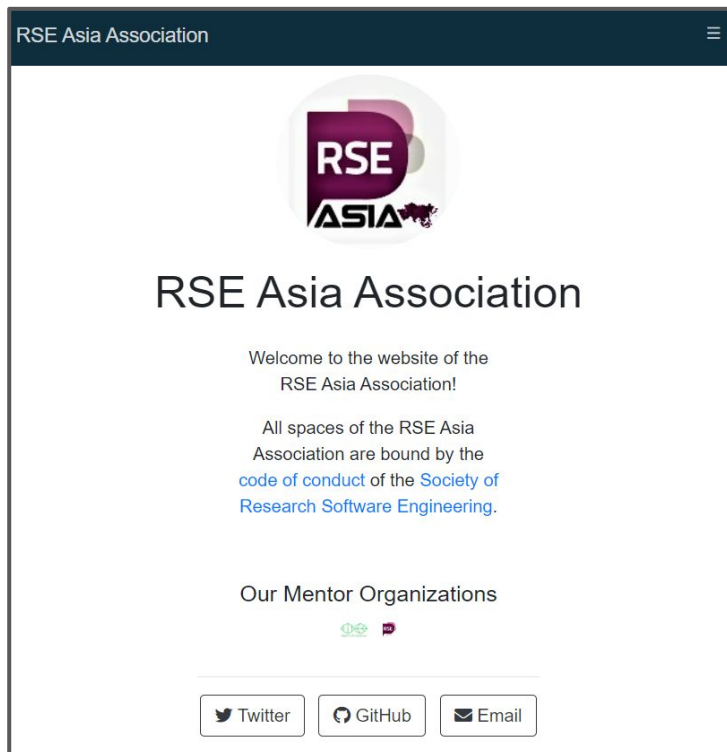


"[Monarch butterfly on Cosmos.](#)" by [Bernard Spragg](#) is marked with [CC0 1.0](#).


RSE Asia and the international RSE Community



Launch of RSE Asia Association through OLS-4



RSE Asia Association




RSE Asia Association

Welcome to the website of the RSE Asia Association!

All spaces of the RSE Asia Association are bound by the [code of conduct](#) of the [Society of Research Software Engineering](#).

Our Mentor Organizations



[Twitter](#) [GitHub](#) [Email](#)



Open Life Science

Building the Research Software Engineering (RSE) Association in Asia region

By:  [Saranjeet Kaur Bhogal](#)

Mentored by:  [Anne Fouilloux](#)

Keywords: research community, research software engineering

We plan to create a “Research Software Engineering Association in Asia region – RSE Association (Asia) “. The motive of this association would be to emphasize the importance of good software practices to be adopted by researchers in the Asian academia. Software and programming plays an important part of most of the research in these times. Yet, academia has not fully adopted good modern software practices and principles. We also plan to create an awareness of the Research Software Engineering (RSE) role in Asian academia so that people who have an expertise in software as well as research find a firm footing in academia. The plan in this project is to first build a community of interested people. We would also like to build the technical set-up required for this project like a GitHub repository for easy collaboration; a website which would describe the aims of this association, and would include information on further events of this association; a mailing list which people can use to join this association easily, a Twitter account, and a slack channel in the global RSE slack. This project is highly inspired from the [Society of Research Software Engineering](#) in the UK. Saranjeet Kaur Bhogal is the primary applicant of this project, and the one who initiated the project, and came up with the idea.

Journey continues through OLS-5



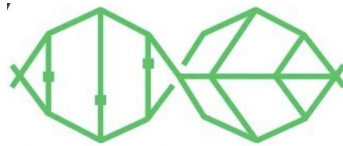
Building Pathways for Onboarding to Research Software Engineering (RSE) Asia Association and Adoption of Code of Conduct

Keywords: Community Building, Creating Pathway, Onboarding, modifying Code of Conduct

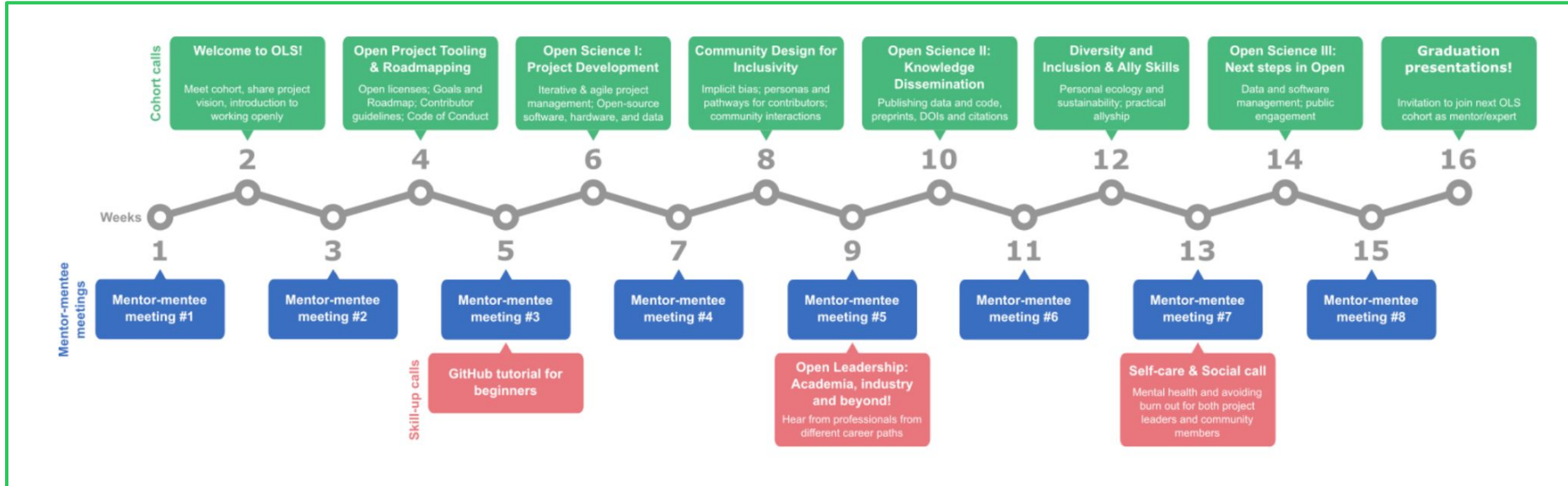
In October 2021, the RSE Asia Association was launched. This was done to create awareness in the Asia region about the field of Research Software Engineering. The digital infrastructure for the association has been built during the Open Life Science Cohort 4 (OLS-4) program. The webpage is in place, the contact addresses have also been created for communication with people. A small community has also started emerging. It is time that the community can expand. With the expanding community, it is now required that we create well-defined pathways for people to get onboard to the association. This project aims at building such pathways. Also, a basic Code of Conduct is already present on the RSE Asia webpage. It is to be modified to make it more appropriate for the Asian region.



@RSE_Asia



Open Life Science



<https://openlifesci.org/>



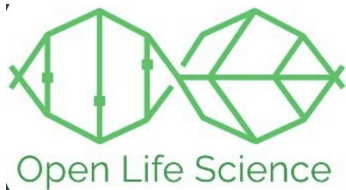
@openlifesci



@RSE_Asia

Sponsorship by OLS!

Stickers, Pens, and more ...



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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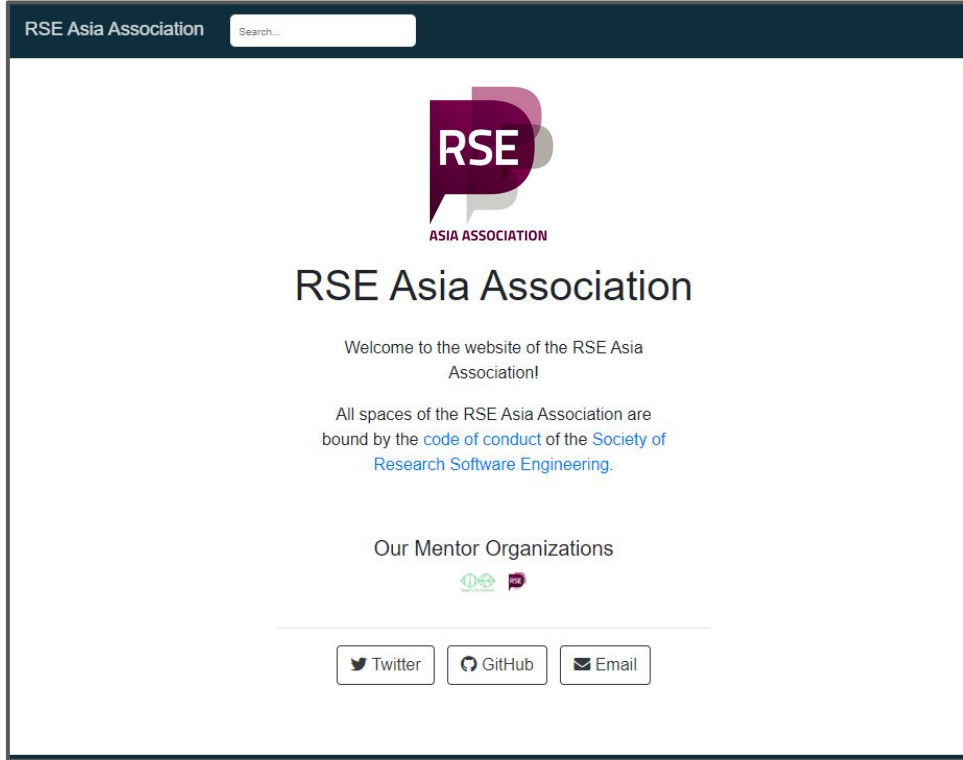
@RSE_Asia

Activities at RSE Asia

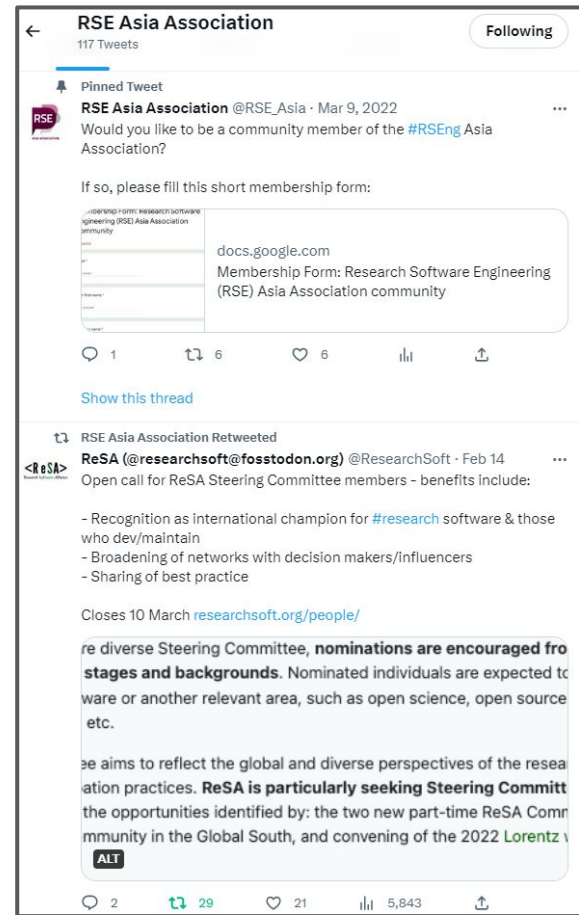


"Kinder Surprise working gnomes against white background" by [Horia Varlan](#) is licensed under [CC BY 2.0](#).

RSE Asia Website & Twitter



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



Participated in
Hacktoberfest 2021 at our
Launch event

(Online)



 @RSE_Asia

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

(Online)



learn how to
write alt-text for
scientific diagrams

for SPEC

Scientific Python
Ecosystem Coordination



Friday, 8 July

13:00 UTC

 @RSE_Asia

Organised an Unconference in collaboration with RSE Australia

(Online)

RSE Asia Australia Unconference 2022

Building the Research Software Engineer community
across Asia & Australia - 14 to 16 September 2022

Key Partners for 2022



Accessibility Partner



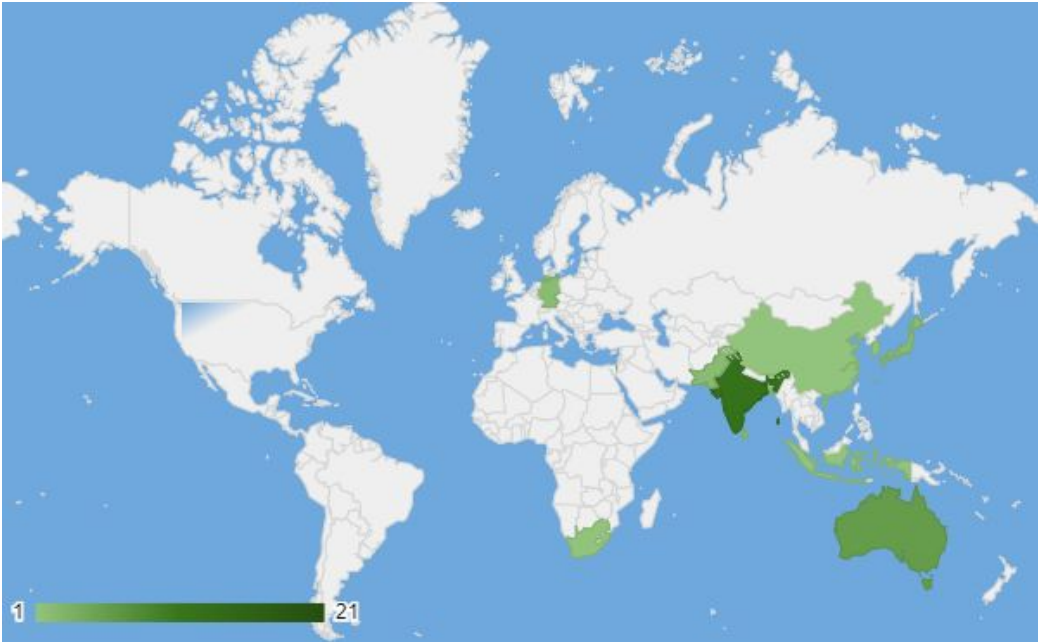
 @RSE_Asia

Participated in
Hacktoberfest 2022 for
the whole month of
October 2022

(Online)



RSE Asia Association Community Map (As of March 2023)



Community Membership



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

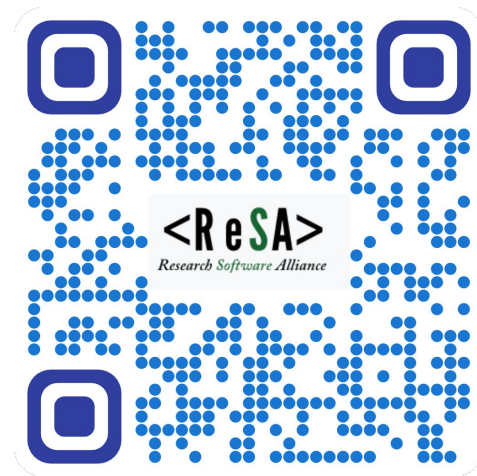


Opportunities to get involved with community initiatives

Some recent ones:

- pyopenci: 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



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:

