Conceptualizing a US Research Software Sustainability Institute (URSSI)

Karthik Ram, Daniel S. Katz, Sandra Gesing, Jeffrey Carver and Nic Weber • contact@urssi.us

URSSI’s mission is to support research software for science

To improve the quality, usefulness, and sustainability of research software by improving practices, and increasing diversity of practitioners

What we did

Workshops: We brought the research software community together over 5 workshops to identify research software challenges URSSI should address.

Training: We ran a winter school on research software engineering

Ethnographic studies and surveys: Our survey (based on 1149 responses) suggest that one of the key barriers to sustainable scientific software is the lack of training delivered in formats amenable to the schedule and budget of research software developers.

Software sustainability challenges

- Training, credit, institutional support for developers and maintainers
- Growing community, evolving governance, growing a diverse pipeline of contributors
- Promoting software discovery, disseminating best practices

The Plan

We are currently developing the full institute plan at plan.urssi.us

#1743188 urssi.us github.com/si2-urssi