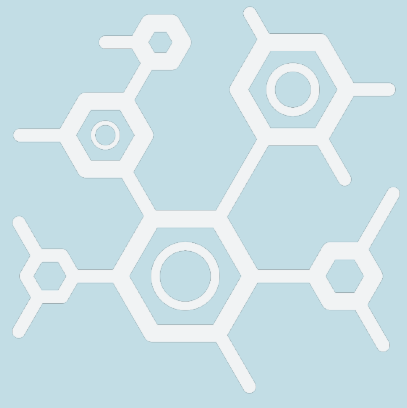# Conceptualizing a US Research Software Sustainability Institute (URSSI)
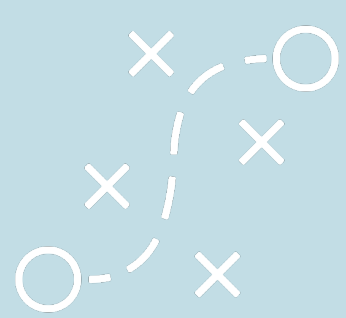
Karthik **Ram**, Daniel S. **Katz**, Sandra **Gesing**, Jeffrey **Carver** and Nic **Weber**   •   contact@urssi.us

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**
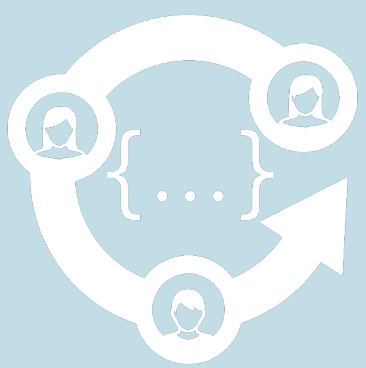
What we did

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.
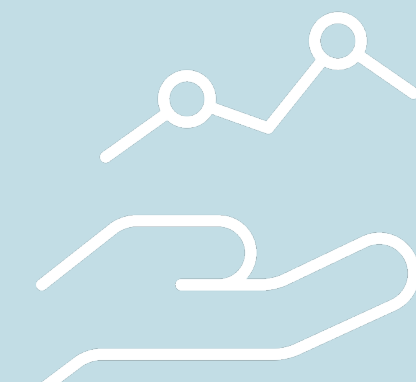
Software sustainability challenges

Training, credit, institutional **support** for **developers** and **maintainers**

Growing **community,** evolving **governance,** growing a **diverse** pipeline of **contributors**

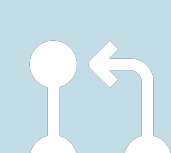Promoting **software discovery,** disseminating **best practices**

The Plan

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