

COLABS

Collaboration for Better Software (for Science)

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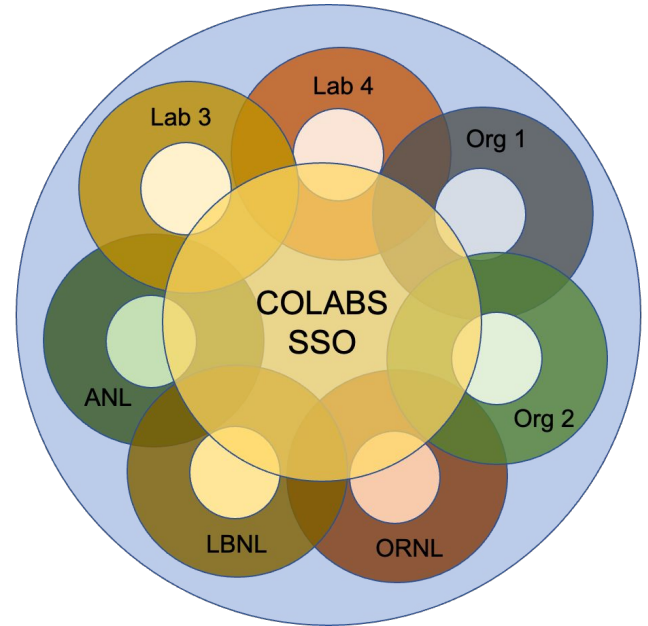
Kevin Harms, Bronson Messer, Richard Gerber, John MacAuley

<https://colabs-science.github.io>

Our Vision

The *raison d'être* for COLABS is the stewardship of scientific software.

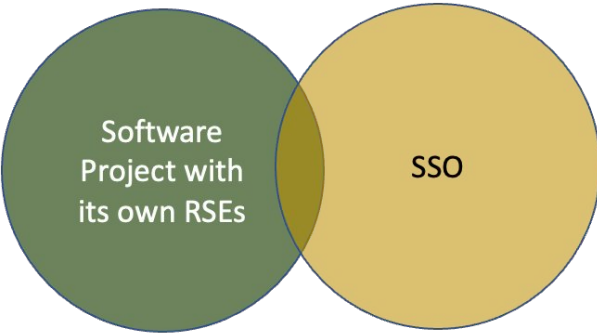
- Research software engineers (RSEs) are central to our approach to the stewardship of scientific software
- We are about building the community of people who are capable and available to support the stewardship of our scientific software, including RSEs, through training, mentoring, advocacy, etc.
 - COLABS is *not* about establishing RSE organizations at specific institutions
- The COLABS model is scalable to easily include additional institutions, in support of additional sponsors



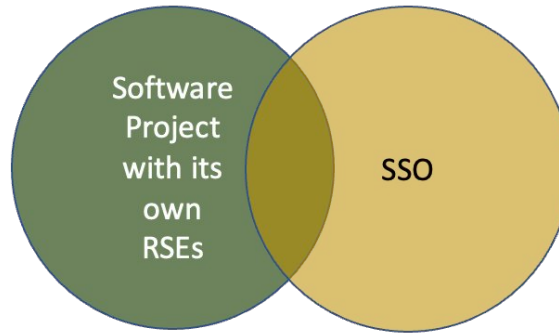
Flexibility to Support the Needs of Client Projects

- Flexibility to address each project's needs on an individual basis
 - Network of people with experience in software development and stewardship
 - Guide client projects in identifying and prioritizing their needs
- Essential level of effort that any client project can expect
- Ability to request additional resources for higher effort/limited duration stewardship activities to address specific needs
- Model for embedded RSEs

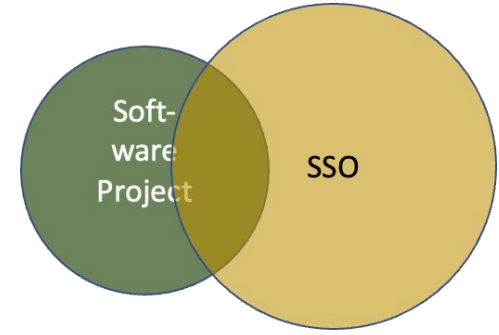
Models of Engagement



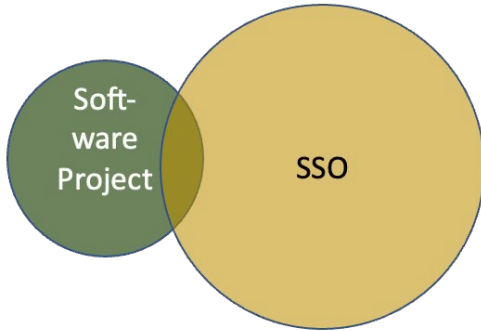
Minimal engagement through entrenched RSEs



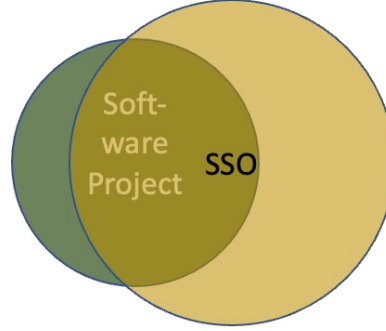
Use of standard maintenance from SSO



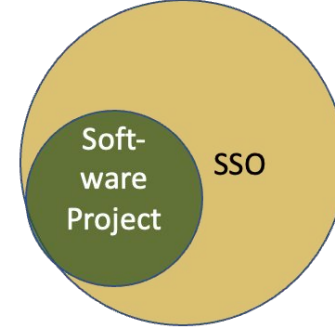
Use of advanced RSE services from the SSO



SSO acts as incubator, training the project personnel



Project gets research funding for adding new features, SSO maintains



SSO assumes full maintenance of an otherwise orphaned project