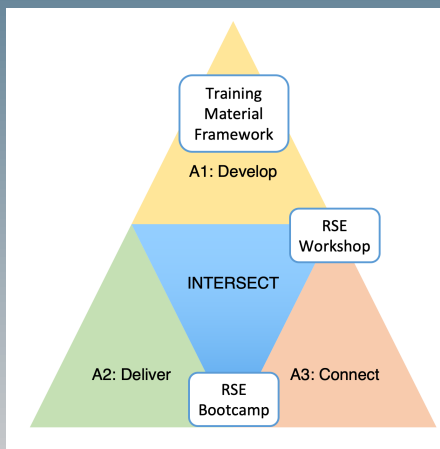


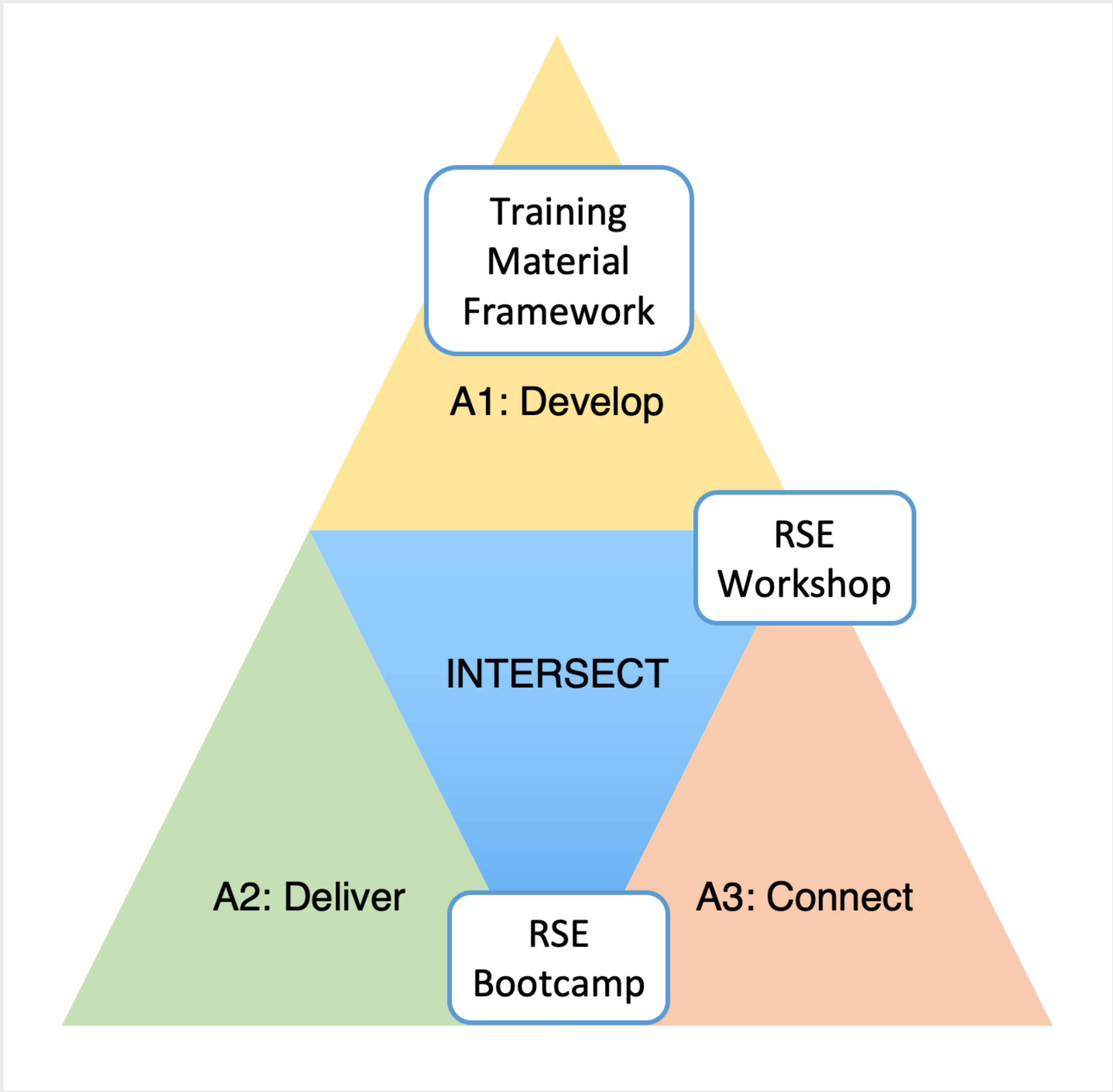
INNOVATIVE TRAINING ENABLED BY A RESEARCH SOFTWARE ENGINEERING COMMUNITY OF TRAINERS (INTERSECT)

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Overall Framework

<https://intersect-training.github.io>



Activity 1: Develop

We are gathering links to currently available training resources

Links to RSE Training Material by Topic
*Note some items may be listed more than once due to overlapping topics

CI

1. Continuous Integration. Mark C. Miller, ATPSEC, 2020-08-06
A short and broad brush answer to the question "What is Continuous Integration?". Several of the key concepts related to Continuous Integration testing are introduced including the use of either local or cloud resources as well as a brief hands-on example with TravisCI and Codecov.
2. Open Source Best Practices: From Continuous Integration to Static Linters. Daniel Smith and Ben Pritchard, Molecular Sciences Software Institute (MolSSI), IDEAS-Productivity, 2018-10-17
This webinar will continue the discussion of open source software (OSS) opportunities within the scientific ecosystem to include the many cloud and local services available to OSS free of charge. The services to be discussed include continuous integration, code coverage, and static analysis. The presenters will demonstrate the usefulness of these tools and how a small time investment at the beginning is traded for long-term benefits. These services and ideas are agnostic to software language or HPC software application and should apply to any party interested in tools that help ease the burden of software maintenance.
3. Continuous Integration / Continuous Development (CI/CD): Introduction. Giordon Stark, HEP Software Foundation (HSF),
The aim of this module is to explore what it means to build a CI/CD workflow and expand on concepts unique to GitLab's CI/CD which is essential to anyone working in ATLAS.
4. Software Testing and Continuous Integration. Kyle Niemeyer, URSSI Winter School, 2019-12-18

To Contribute:

<https://intersect-training.github.io/training-links/>

Activity 2: Deliver



Research Software Engineering Bootcamp (RSEB)

- 4-5 day intensive workshop
- Graduate students and postdocs (intermediate/advanced research software developers)
- Focus on practices that improve quality, reproducibility, sustainability

Activity 3: Connect

RSE Community Workshops

- 2 day workshop of professional Research Software Engineers (RSEs)
- Collaboratively generate the training topics and content for the RSEB
- Foster collaboration and RSE peer relationships

For More Information

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