RADIUSS supports an LLNL-developed open source software stack for rapid and enduring HPC application development radiuss



Common Development **Policies and Tooling**

> "Harden" for broad adoption

Ease developer movement between projects

Training and **Documentation**

Encourage external adoption and contributions

Not often a funded activity under research or program-specific projects

Leverage Programmatic Investments

> Programs provide base long-term support and development

External outreach and community development Integrate into LLNL **Applications**

Provide path to both advanced architectures and software agility

Long-term support and minor feature development

Product Categories Build Tools

Physics and Math Libraries **Application CS** Infrastructure Data Mgmt and Viz

Portable Exec & Mem Mgmt

Perf Tools and Workflows

Foundational Concepts

Continuous Integration, Release Management, Integrated Testing, Deployment, Outreach

Software is core infrastructure to the laboratory, similar to institutional HPC platforms and laboratory space. Sustained software investments are core to the mission of LLNL and our continued HPC leadership.



