



Award #: 1550597

CSSI Element: LROSE – Lidar Radar Open Software Environment

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Providing high-quality research-grade Lidar and Radar software to the atmospheric science community

Overall Goals

- take 25 years of good quality legacy software
- plus current development work
- modernize it and upgrade it
- test it as much as practical
- make it easy to build and install
- make it readily available to the user community via GitHub or a similar site
- document so it is easy to use
- provide training opportunities to the users

Important Lessons

- carefully limit the scope
- concentrate on fewer apps, but the important ones
- streamline the build and distribution process
- work diligently to support multiple platforms
- Docker is useful, but not a complete solution
- refactor for long-term stability
- build documentation into the source
- fund graduate students to help with testing and documentation