ESIP Software Sustainability Guidelines

A Big Tent Approach

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- Earth Observation/Geosciences Tech Community

  - University researchers & grad students

  - Federal agency staff & management

  - Industry

- Cross-disciplinary, diverse membership

The guidelines proper have not been controversial—we agree on the larger principles and practices.

Formally endorsed by the community in January 2017.

People

- Provide an accessible document for new learners

- Support current practitioners in adopting new practices

- Encourage good practices for research (credit, citation, preservation)

- Consider changes in technical knowledge as someone moves through their research career as roles change or as technical requirements change

Software

- Wide variety of research goals and software products to support

  - consider the primacy of software products to the main research goals of a project

  - consider that across different project structures

- Discussion around software progression, funding opportunities and project lifecycles as they relate to good practices, evaluation/assessment, and management requirements

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Guidelines

- The guidelines are not prescriptive.

- Broad, not comprehensive

- Meant to be a living document so we agree and support the principles while implementation details can be adjusted based on the kind of software and a specified goal

- We want to meet our research goals

- We want to be good research citizens

- We want to support our diverse community, now and in the future

- We want to keep in mind "time to science" and impactful science at different scales

https://goo.gl/9WeYZc

- Executive summary
- Guidelines document
- Bibliography

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