



# Improve Your Software Quality with RateYourProject.org



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[exascaleproject.org](http://exascaleproject.org)

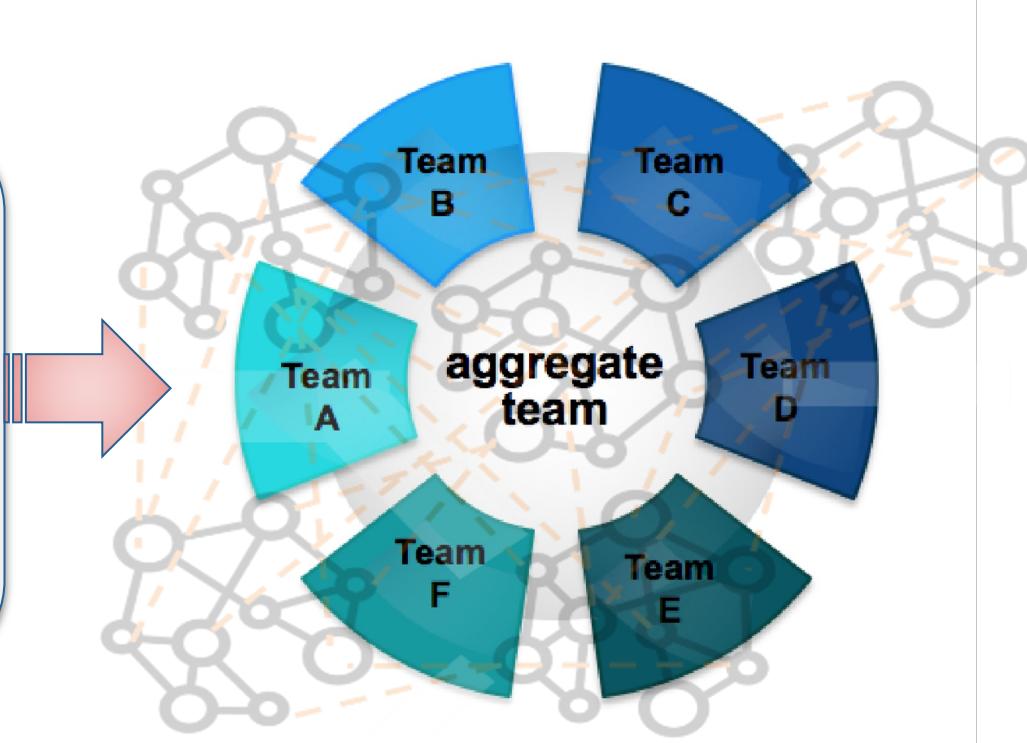
[ideas-productivity.org](http://ideas-productivity.org)

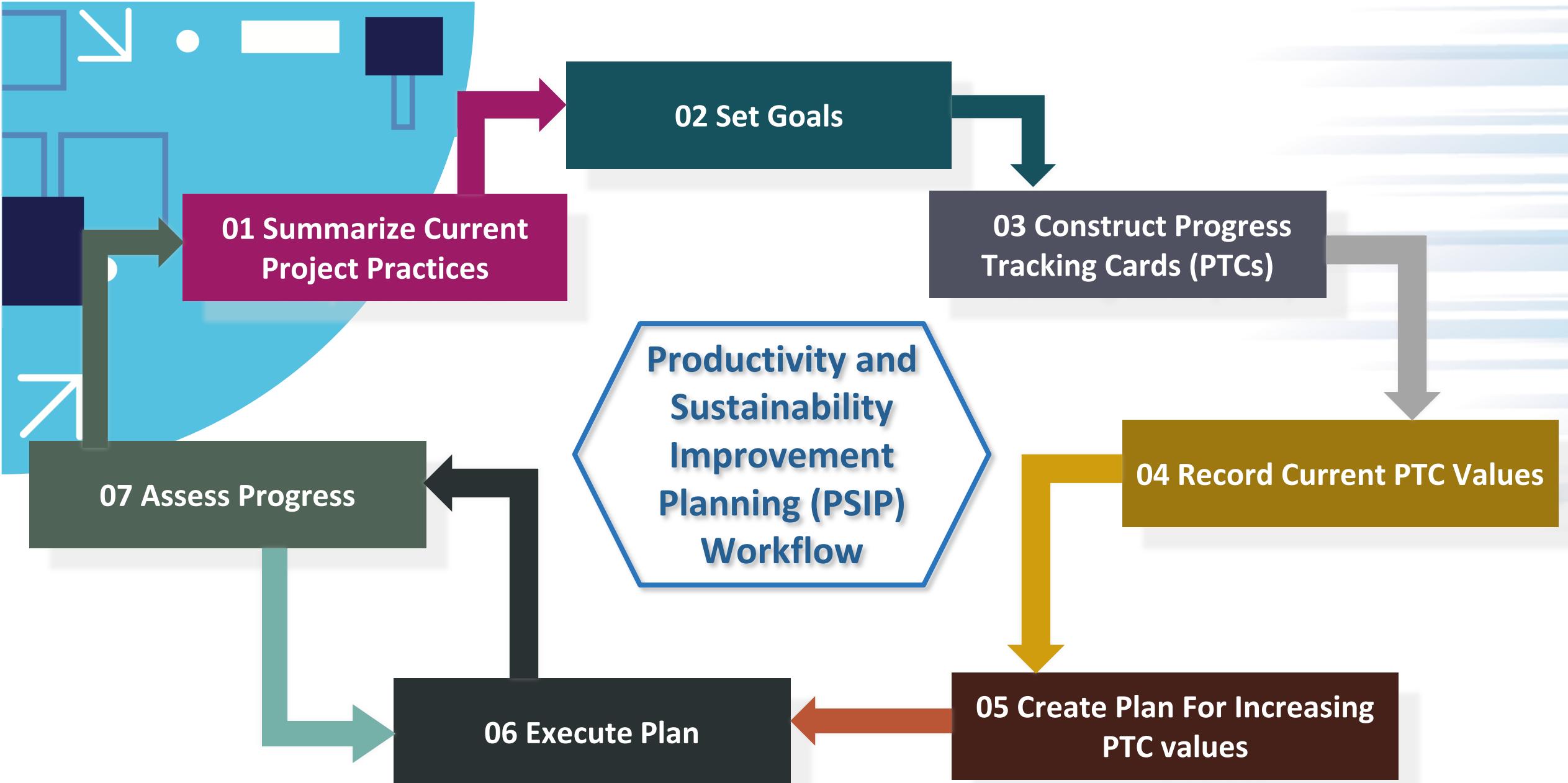


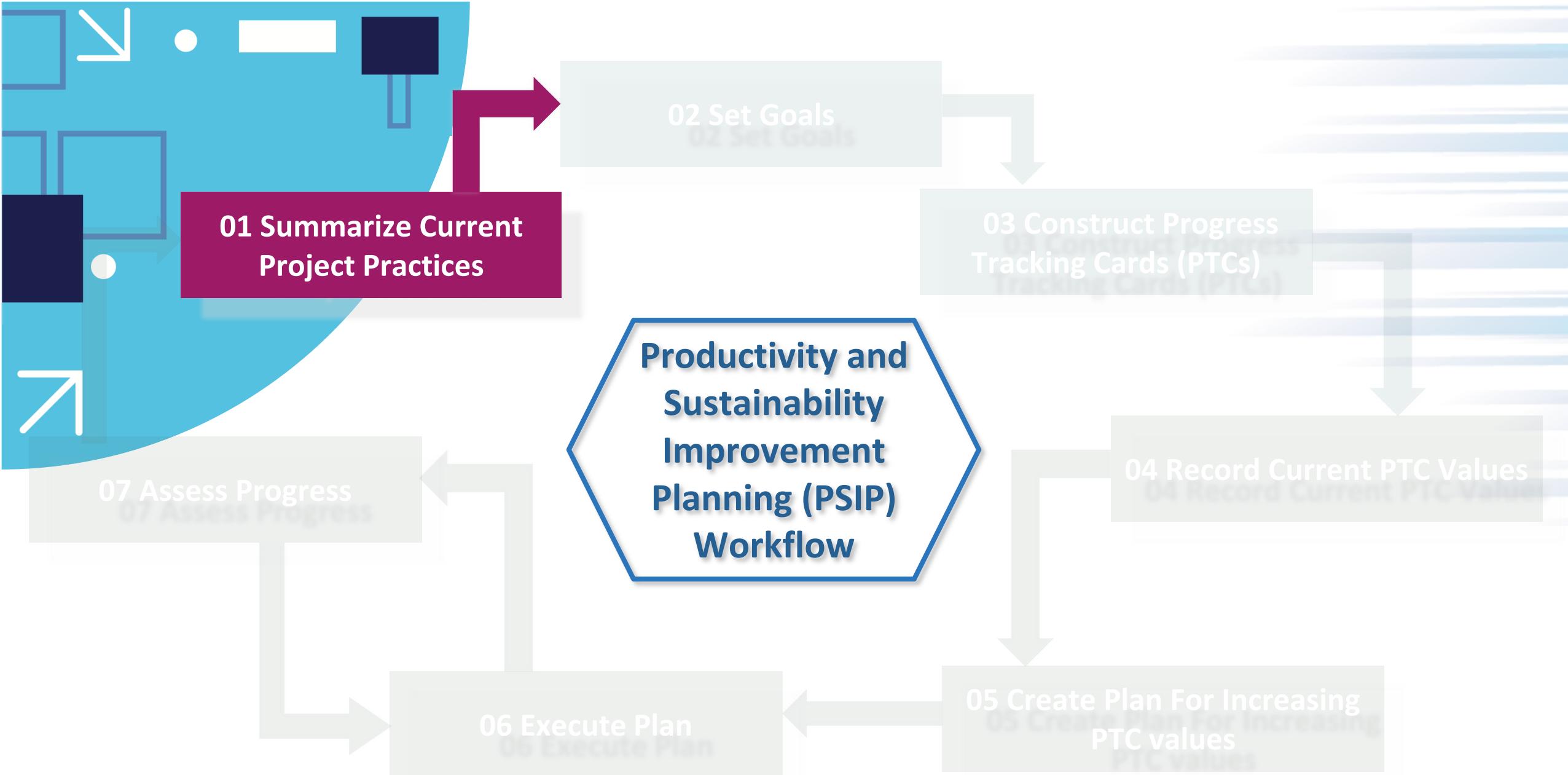
# Productivity and Sustainability Improvement Planning (PSIP)

- PSIP is a lightweight workflow that can be used on its own or alongside frameworks you may currently use such as Kanban, Agile, etc.
- You *implement PSIP* by assessing your project and using Progress Tracking Cards (PTCs) to achieve quality goals.

PSIP helps software teams to **IDENTIFY** opportunities to iteratively and incrementally **IMPROVE** software team practices and processes.







# Summarize current project practices

- What practices are used on the project? Examples:
  - Process
  - Documentation
  - Coding
  - Continuous integration
- For each practice used, how would you describe the level of practice?
- Are there any practices not being used that would be of benefit?

# <https://rateyourproject.org>

Screenshot of the rateyourproject.org website showing the Assessment section.

The page title is "Assessment". The left sidebar menu includes:

- Home
- Assessment** (selected)
- Better Development
- Revision Control
- Code Reviews
- Issue Tracking
- Deployment
- Documentation
- Better Planning
- Better Performance
- Better Reliability
- Better Collaboration
- Tracking
- Integration

The main content area contains the following text:

The assessment section is used to estimate the degree to which software engineering practices are currently being used by your project.

*The diagram below shows how your project is progressing in all practice areas. You can come back to this page any time during the assessment to see your progress.*

*We do not save your data in any way. If you refresh or close your browser, your assessment will be lost. We suggest you regularly use this link to [save your current assessment](#).*

[Click here to start assessing your practices.](#)

A radar chart titled "Better Development" displays the project's progress across six dimensions. The axes are labeled: Better Development, Better Planning, Better Performance, Better Reliability, Better Collaboration, and Better Documentation. The chart shows a blue polygon with vertices at approximately (60, 60), (20, 40), (20, 20), (40, 20), (60, 40), and (60, 60).

# Who is using PSIP?



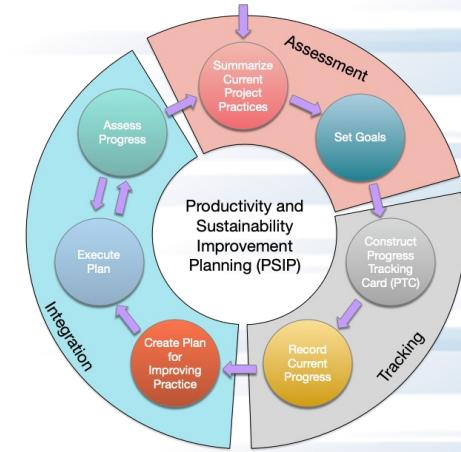
Improvements to documentation to create reference manual, setting code style standards, transition to GitHub

Completed PSIP tutorial, investigating how it can be used in academic context

Create a VTK-m filter for APLINE in situ algorithm users

Using a more detailed version for internal project assessment

Using internally for updating version control systems, updating documentation to support better onboarding



## Next Steps

- PSIP process: [bssw.io/psip](https://bssw.io/psip)
- Self-assessment tool: [rateyourproject.org](https://rateyourproject.org)
- Project tracking card repository: [github.com/bssw-psip/ptc-catalog](https://github.com/bssw-psip/ptc-catalog)
- Ask how your team can improve practices at your next group meeting!



# License and acknowledgements



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## Acknowledgements

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