



Upgrading Team Practices

# PSIP Toolkit: A Lightweight Process for Incremental Software Process Improvement

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**IDEAS**  
productivity  
[www.ideas-productivity.org](http://www.ideas-productivity.org)  
IDEAS = Interoperable Design of  
Extreme-Scale Application Software

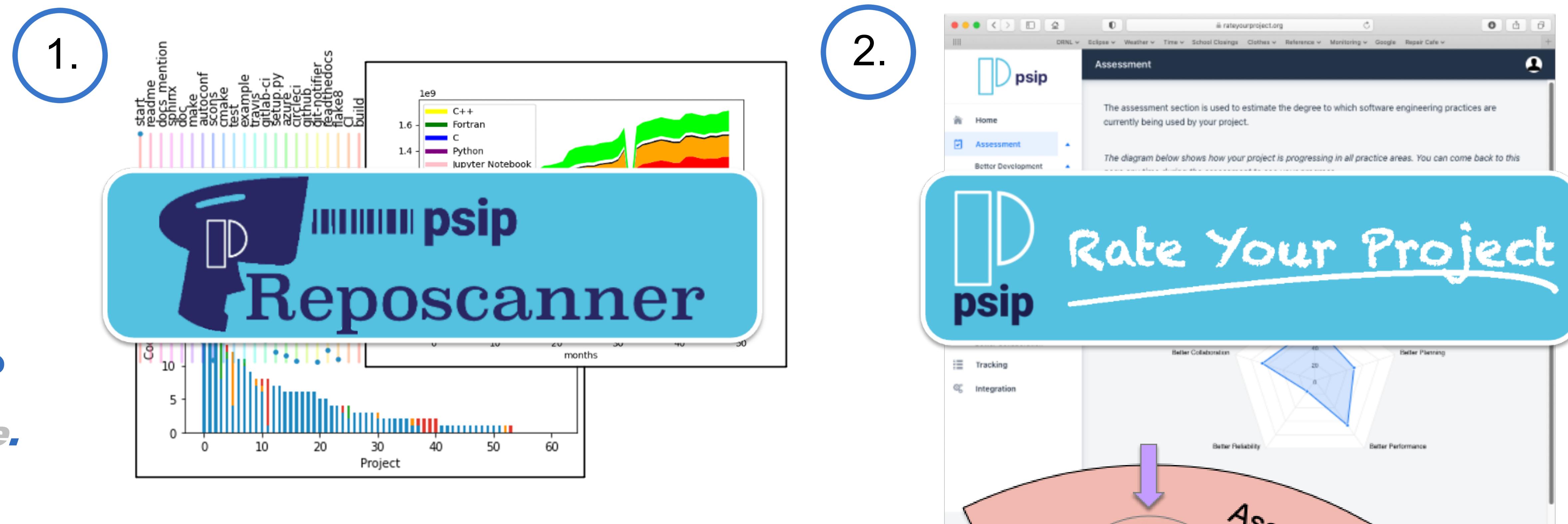
**Realize process improvements** without disrupting current development.  
**Mitigate technical risk** so that you can develop software with *confidence*.  
It's as easy as 1, 2, 3.

- Software process improvement can carry **upfront costs** and introduce **risk** and **uncertainty** into your project, and should be approached carefully and intentionally.
- In the past, assessment of team practices to identify improvement goals was a labor intensive practice for both the teams and their facilitators.
- The **Productivity and Sustainability Improvement Planning** (PSIP) is a lightweight workflow for software process improvement.
- Our **PSIP toolkit** features methods to query a team's project, and a guided self-assessment that enables the examination of software development, planning, performance, reliability, and collaboration practices.
- PSIP is then implemented via **identifying improvements** and executing plans based on **Progress Tracking Cards** (PTCs).

#### Acknowledgements

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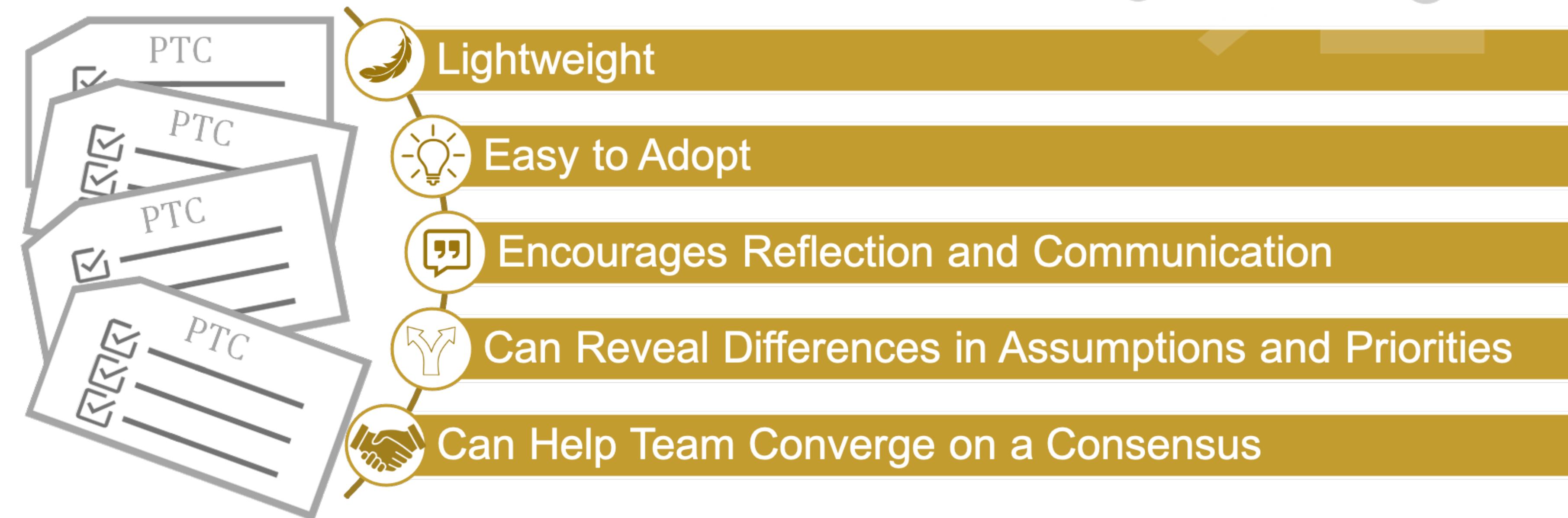
**Collaborative and team-oriented. Measurable and specific. Realistic increments.**



**Progress Tracking Card (PTC)**

<b>Title</b>	The topic of the card
<b>Target</b>	Practice is changed
<b>User Story</b>	As a ___, I want to ___, so that ___.
<b>Score</b>	Description
0	Initial State
1	Intermediate state of practice (+)
2	Intermediate state of practice (++)
3	Intermediate state of practice (+++)
4	Desired state of practice

**Comments:** Relevant links or details



- Follow-up questions about the PSIP toolkit & PTCs
  - Contact [PSIP](https://bssw.io/psip) via <https://bssw.io/psip>
  - PSIP on GitHub <https://bssw-psip.github.io>
  - PSIP team on Gitter <https://gitter.im/bssw-psip/community>
  - Learn more about PSIP at <https://bssw.io>
- View PTC Catalog at <https://github.com/bssw-psip/ptc-catalog>
- Take the first steps on your own at <https://rateyourproject.org>
- Read the paper [https://link.springer.com/chapter/10.1007/978-3-030-44728-1\\_6](https://link.springer.com/chapter/10.1007/978-3-030-44728-1_6)

