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Measuring the agile process improvement

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Context

- There's no universal solution, everything matters in its context
- Bookmate is a B2C content service:
 - lots of stakeholders
 - lots of external parties
 - lots of urgent stuff
 - lots of experiments
 - rapid team growth
- A way different from: MVP, B2B, outsourcing



Stakeholders and engineering



How things ideally would happen





Continuous improvement

- Overall productivity KPI is clear: shipped/committed ratio
- Without actionable metrics, improvement involves too much emotion and causal attribution
- The metrics should be:
 - end-to-end (any change in KPI reflected by metrics)
 - invariant to story size and story point value
 - allow for measuring external factors (stakeholders)

What's out there?

- stories committed / stories completed
- technical debt management
- team velocity
- story cycle time
- CAT/QA cycle time
- estimation accuracy
- defects per release cycle
- defects per story point
- test cases run

DEPEND ON STORY SIZE DEPEND ON STORY POINT A LOT OF GAPS

What do we use



Issues we discover



What's good about that

- Almost free (given you estimate effort)
- Don't depend on story size (measure effort, not stories)
- Don't depend on the story point size (it cancels out)
- Any issue from the messy picture above is reflected by those metrics
- Easily projected back to stakeholders to find external bottlenecks, e.g.



Next batch

• Track stuff that is easily swept under the rugs:

Estimated effort on all bugs All available effort QUALITY



All available effort

TECH DEBT

Be sane about that

- It doesn't remove bottlenecks and issues
- It just shows them
- Sometimes it's enough to solve the issue
- Most of the times it isn't

