

Kanban, Scrum, Waterfall

Strength and weaknesses

Kanban, vantages

- Make it easy to have a panoramic of every step and where issues arises.
- Facilitate cooperative work since team roles do not establish differences other than working around the task.
- When at issues the system makes it easy for the whole team to become a facilitator.
- In practice the whole team works on the same item making it pass to the DONE column.

Kanban, when the good becomes an issue,

- The system makes no easy to forecast when a work item will get the next position on the board.
- When a item is delivered

Scrum, the goodness

- The sprint protocol helps with predictability.
- The system leads the team into a collective training for improving to delimit scope and estimations.
- Since the project is still alive evaluation from the previous sprint becomes greatly pertinent.
- The meeting system helps to forecast eventualities before they become issues.

Scrum, the not good side...

- The sprint deadline system could be tiring.
- Pretending to be a dynamic application of the interactive philosophy of Agile, the scrum system could be too punctilious about who does what and when.

Waterfall, the system by default

- The final target of the project is known upfront.
- By design, cost estimations and margins clearly set before starting.
- The work protocol allow members of the team to gain specialisation.

(business analyst, tester, developer, project manager).

- The protocol of the model leads a well documented work framework it makes easy to transfer technology.

Waterfall, the very well known and documented drawbacks

- Revision and changes are not easily integrated in the process.
- User or customer are passive targets.

