

## AGILE SOFTWARE DEVELOPMENT IN PMI SPHERE

### What is Agile Software Development?

Agile software development refers to a group of software development methodologies based on iterative development, where requirements and solutions evolve through collaboration between self-organizing cross-functional teams. The term was coined in the year 2001 when the Agile Manifesto was formulated.

Agile methods generally promote a disciplined project management process that encourages frequent inspection and adaptation, a leadership philosophy that encourages teamwork, self-organization and accountability, a set of engineering best practices intended to allow for rapid delivery of high-quality software, and a business approach that aligns development with customer needs and company goals.



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### Mapping PMBOK to Agile

A project is a temporary endeavor undertaken to create a unique product, service, or result.

Project phases are divisions within a project where extra control is needed to effectively manage the completion of a major deliverable. The phase structure allows the project to be segmented into logical subsets for ease of management, planning and control. The number of phases, the need for phases, and the degree of control applied depend on the size, complexity, and potential impact of the project. Regardless of the number of phases comprising a project, all phases have similar characteristics:

- When phases are sequential, the close of a phase ends with some form of transfer or handoff of the work product produced as the phase deliverable.
- The work has a distinct focus that differs from any other phase. This often involves different organizations and different skill sets.
- The primary deliverable or objective of the phase requires an extra degree of control to be successfully achieved. The repetition of processes across all five Process Groups, provides that additional degree of control, and defines the boundaries of the phase.

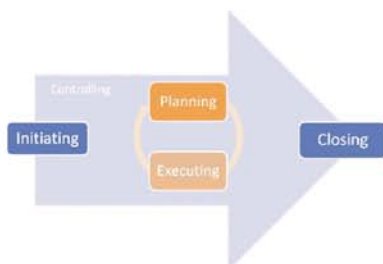


Figure 1: PMBOK Process Groups

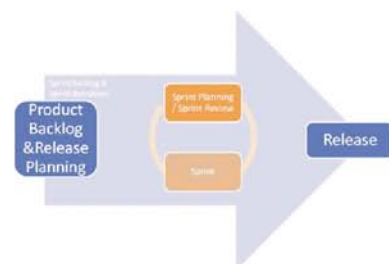


Figure 2: Simplified Scrum Process

### The PMI Agile Community of Practice

The PMI Agile Community of Practice is the result of a grass-roots initiative between a pioneering group of Agilists and the Project Management Institute (PMI) to create a new Agile Community of Practice within the PMI, with the stated purpose "to equip PMI members with agile knowledge and skills".

The PMI Agile Community of Practice serves as a connecting body between Agile and PMI groups, facilitating communication, cooperation and collaboration between the Agile and PMI communities.

PMI Agile community of practice launched an online portal <http://agile-pm.pbworks.com/> to provide information on both PMI and Agile practices, principles, and values to members of both communities in the form of articles, presentations, webinars, podcasts, speaking engagements, news, and event notifications.

#### More Links

<http://agile.community.pmi.org>

<http://www.scrumalliance.org/>