

Software Project Management

Week2



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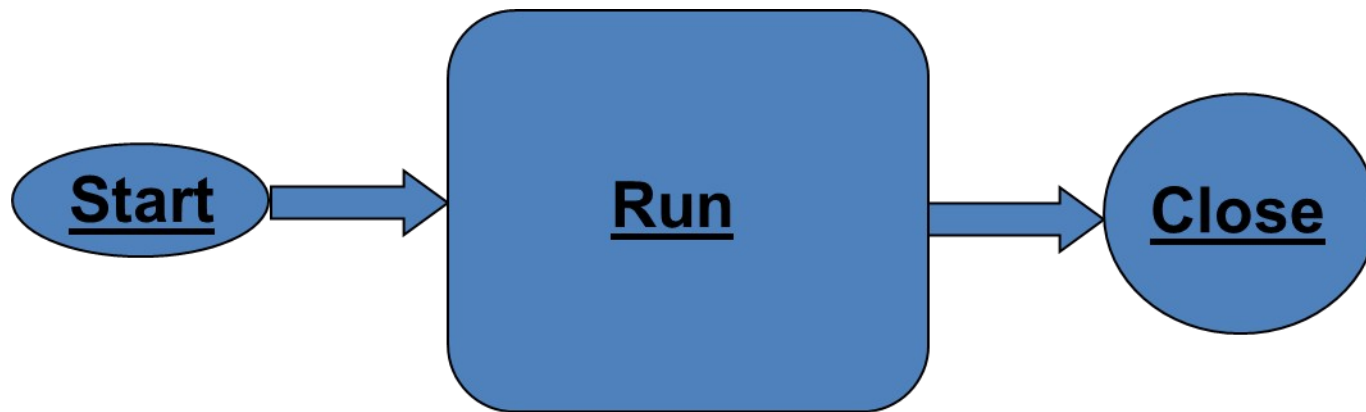
A note for students

- This material must be assumed neither as a replacement for your notes that you should take during the lectures nor as a replacement for the required reading texts that have been presented in the further reading section, but only as a guideline for preparation for the class and for further studies.
- The slides are adaptation and summarization from resources that appear in the References slide.

- Project Management Overview
 - Project Life Cycle
 - Project Stakeholders
 - Project Manager

Project Life Cycle

- Project main characteristic



Project Attributes

- A project has a unique purpose
- A project is temporary
- A project is developed using progressive elaboration
- A project requires resource, often from various areas
- A project should have a primary customer or sponsor
- A project involves uncertainty

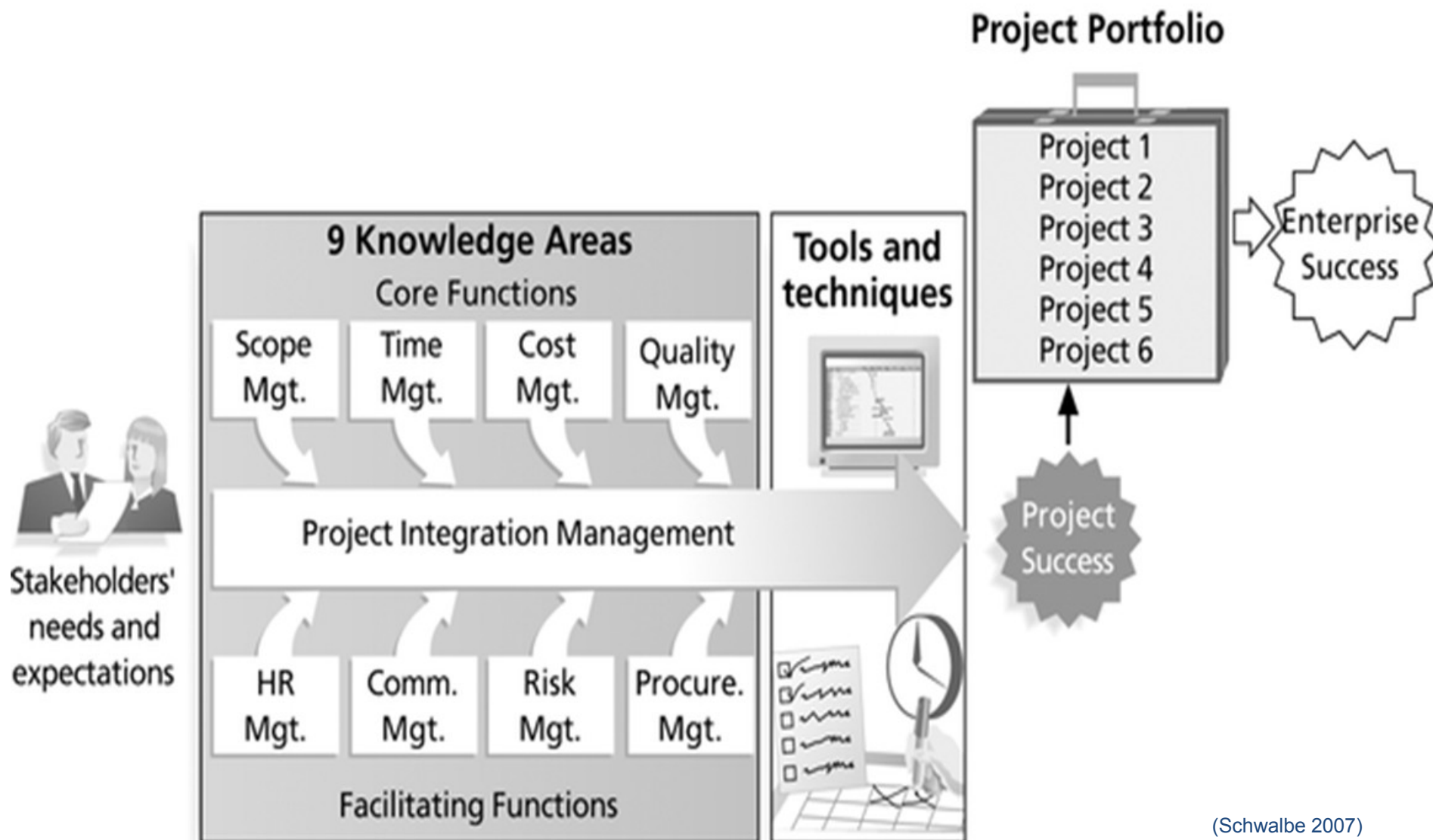
(Schwalbe 2007)

What is Project Management?

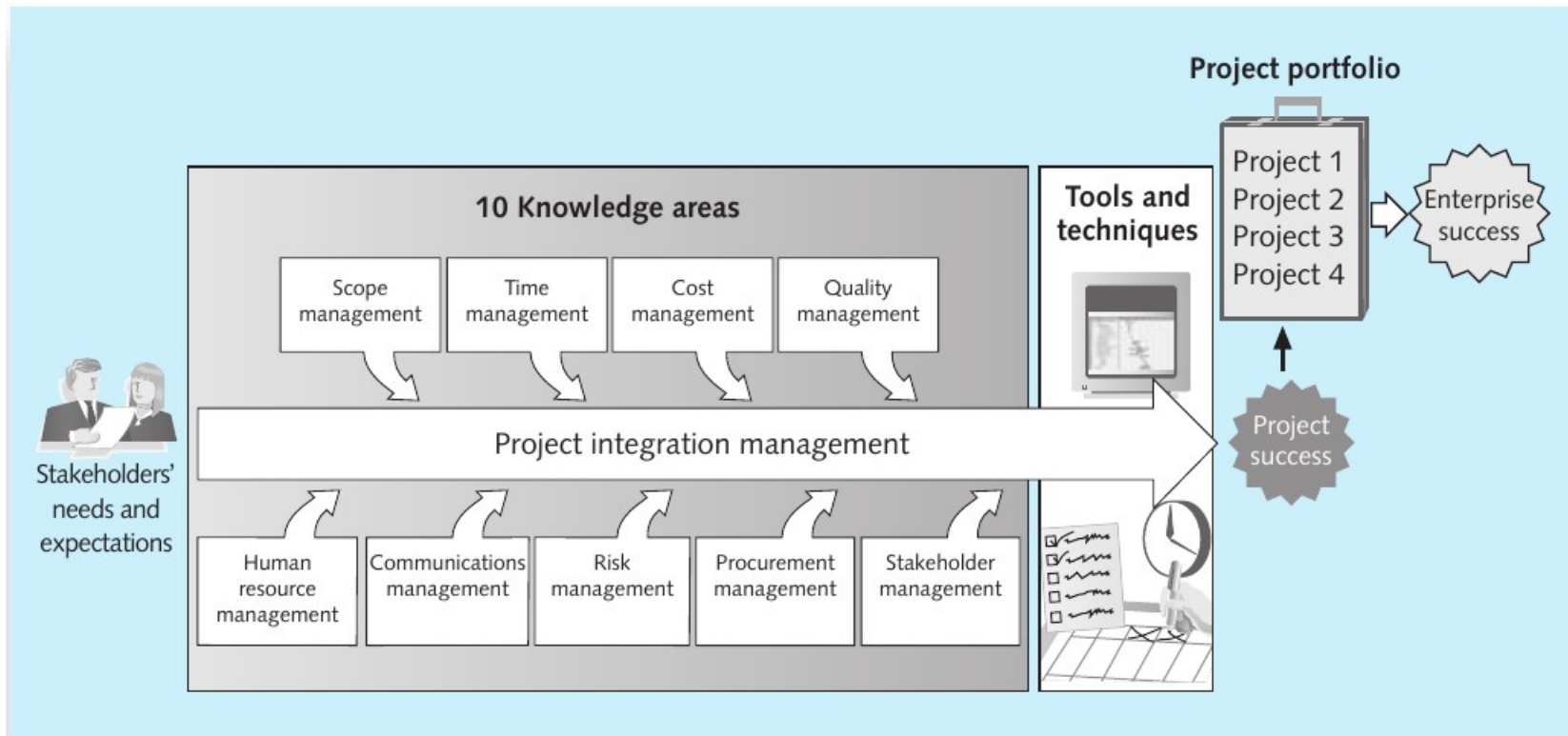
- Project Management is “the application of knowledge, skills, tools and techniques to project activities to meet project requirements.”

(PMI 2004)

Project Management Framework



Project Management Framework



(Schwalbe 2016)

Project Manager

- Project Manager is a person who is responsible for:
- planning,
- scheduling,
- coordinating,
- and working with people to achieve project goals.
- Remember that 97 percent of successful projects were led by experienced project managers.

(Schwalbe 2007)

Project Stakeholders

- Stakeholders are the people involved in or affected by project activities.
- Stakeholders include:
- Project sponsor
- Project manager
- Project team
- Support staff
- Customers
- Users
- Suppliers
- Opponents to the project

(Schwalbe 2007)

Project Categories

- Civil Engineering
- Production
- R & D
- Software development
- Others

- PMI (2004) defines the Project Scope as:
 - “The work that must be performed to deliver a product, service, or result with the specified feature and functions.”

- “Project Scope Check List:
 - Project Objective
 - Deliverables
 - Milestones
 - Technical requirements
 - Limits and exclusions
 - Reviews with customer”

(Gray and Larson 2008)

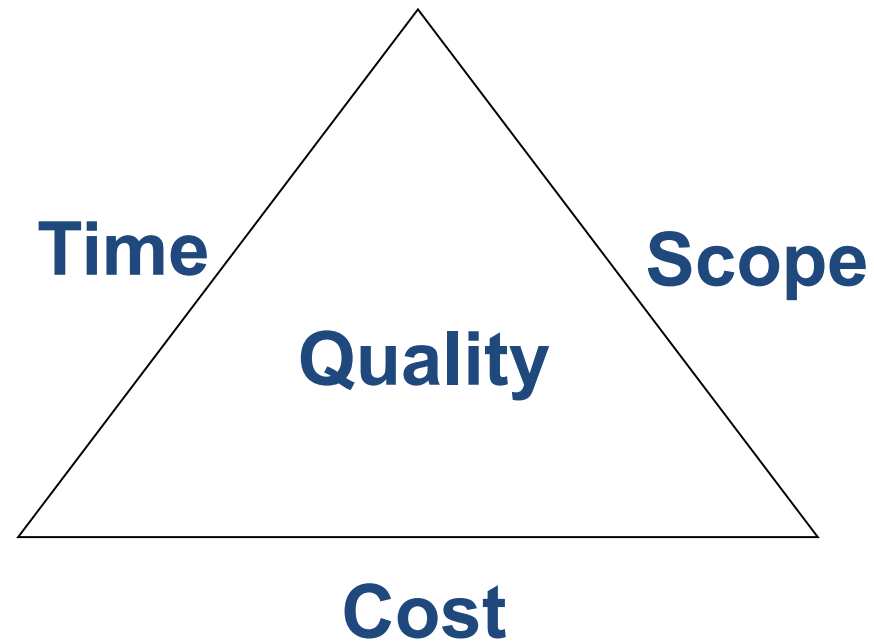
Project Scope Statement

- “The narrative description of the project scope, including major deliverables, project objectives, project assumptions, project constraints, and a statement of work, that provides a documented basis for making future project decisions and conforming or developing a common understanding of project scope among stakeholders.

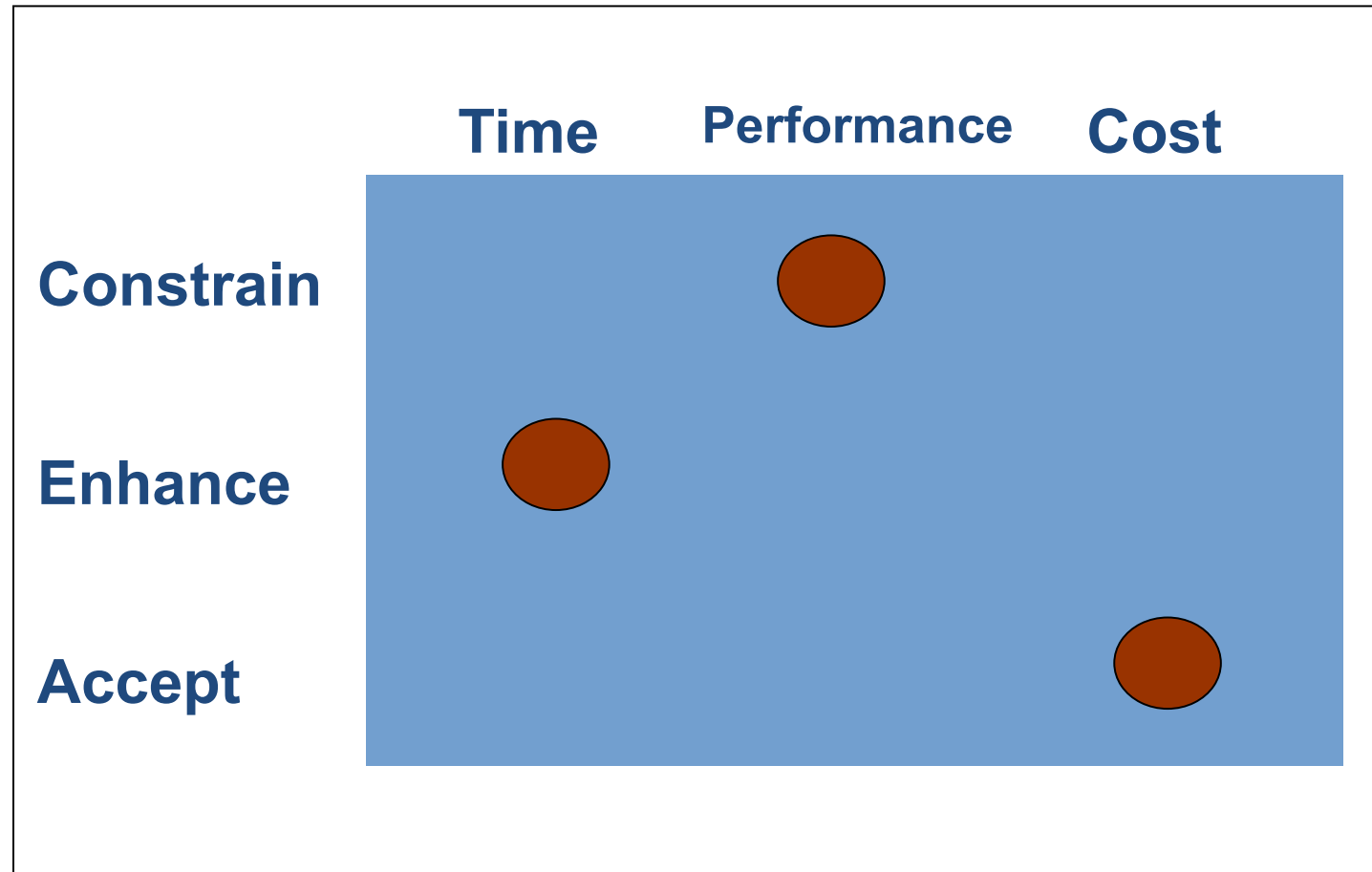
The definition of the project scope – what needs to be accomplished.”

(PMI 2004)

Triple Constraints (Project Trilemma)



Project Priority Matrix



(Gray and Larson 2008)

Scope Creep

- Scope creep “is the tendency for the project scope to expand over time – usually by changing requirements, specifications, and priorities” (PMI 2004)

Scope Creep

- By writing a Project Scope Statement, project manager can prevent the project to fall into the trap of the scope creep situation.

- Review of Project Management

References / Further Readings

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