

Project Management

Introduction

What is a project? (1)

Definitions of the word “project”:

Cambridge:

- a piece of planned work or an activity which is finished over a period of time and intended to achieve a particular aim

Oxford:

- a planned piece of work that is designed to find information about something, to produce something new, or to improve something

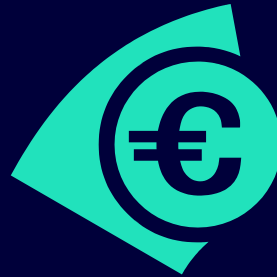
Webster's:

- any piece of work that is undertaken or attempted
- a planned undertaking

What is a project? (2)

More precise and technical definitions:

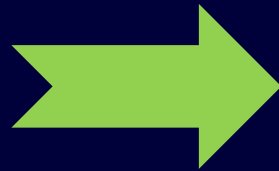
- A project is a temporary endeavor undertaken to create a unique product, service or result.
- A project is a unique endeavour to produce a set of deliverables within clearly specified time, cost and quality constraints.



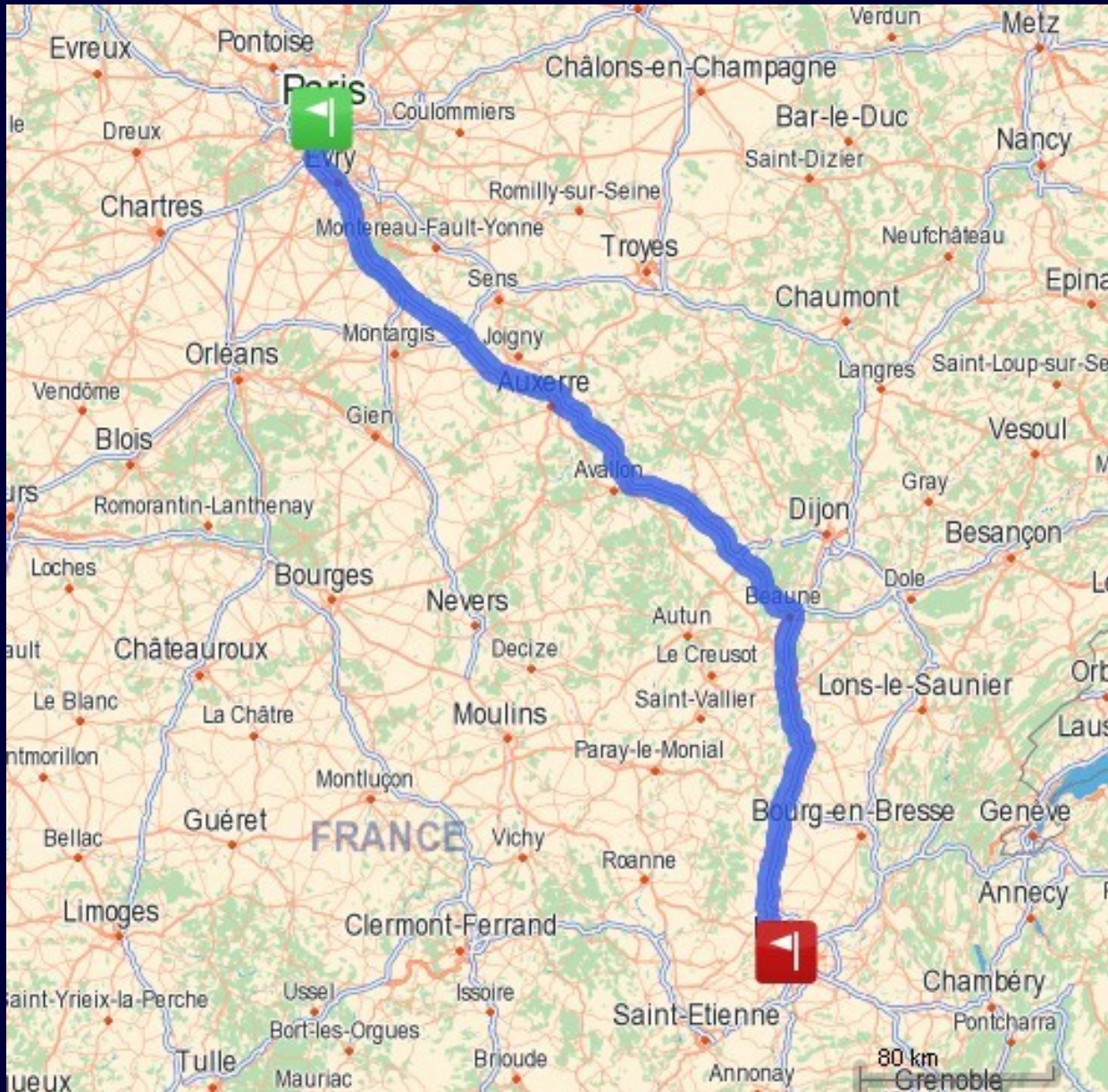
What is a project? (3)

Another interesting definition:

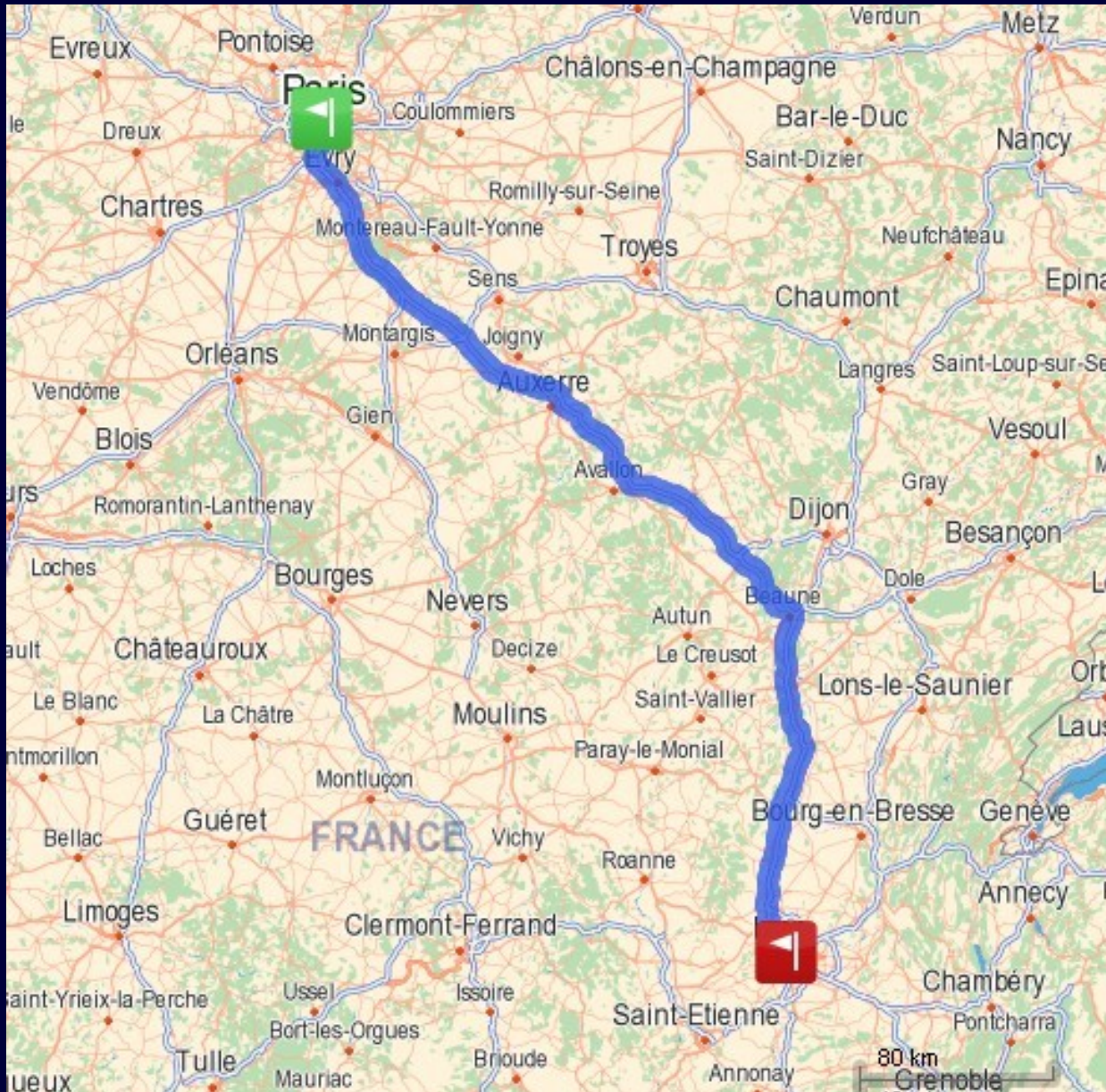
- A project is the set of actions leading from an idea to its concrete realization.



Idea: how about going from A to B?



Project: getting from A to B



Project: getting from A to B



➤ How do we get there?

Project: getting from A to B



➤ How do we get there?

➤ What does it require?

Project: getting from A to B



- How do we get there?
- What does it require?
- How long will it take?

Project: getting from A to B



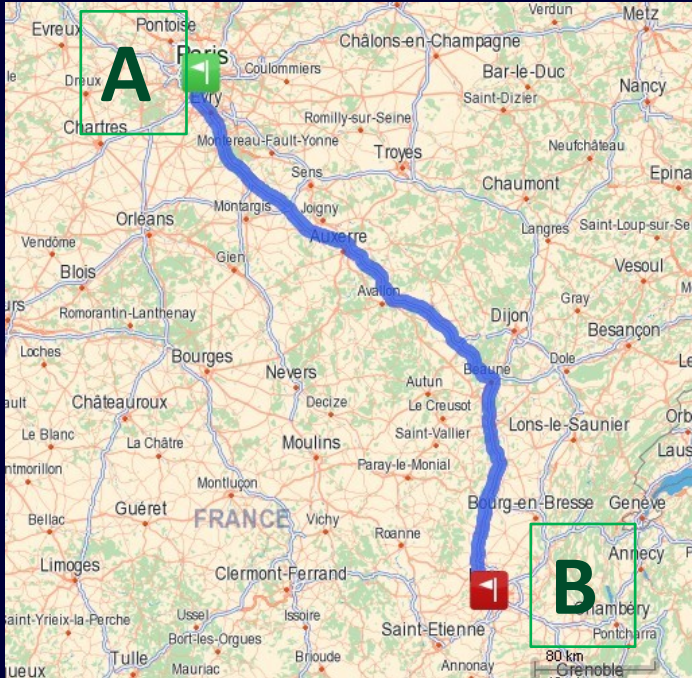
- How do we get there?
- What does it require?
- How long will it take?
- How much will it cost?

Project: getting from A to B



- How do we get there?
- What does it require?
- How long will it take?
- How much will it cost?
- What are the risks?

Project: getting from A to B



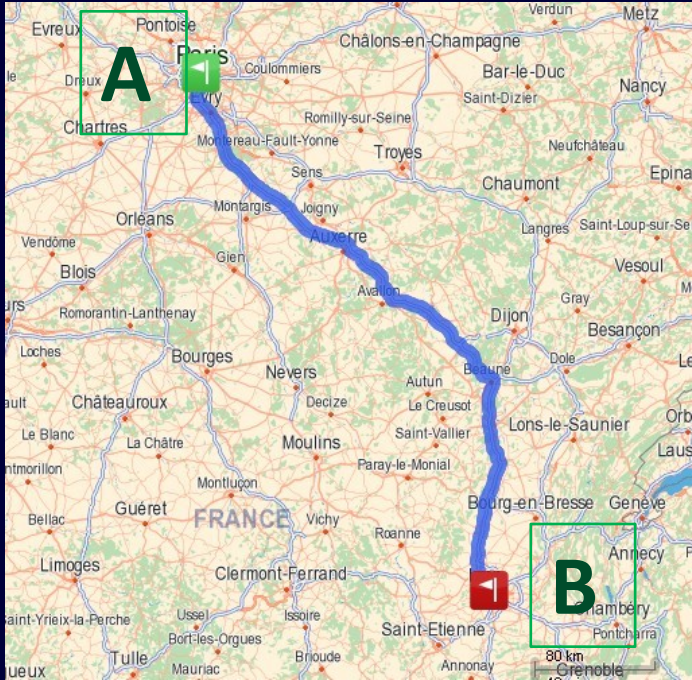
- How do we get there?
- What does it require?
- How long will it take?
- How much will it cost?
- What are the risks?
- How should the project be executed, monitored & controlled?

Project: getting from A to B



➤ Do it!

Project: getting from A to B



➤ Do it!

➤ Make sure you do it right!

Project: getting from A to B



- Do it!
- Make sure you do it right!
- Report back regularly!

Characteristic features of a project

As compared with standard “business operations”, projects...

- are unique in nature,
- have a clearly-defined timescale,
- have a specific, limited and approved budget,
- have well-identified resources,
- involve an element of risk,
- are usually intended to achieve beneficial change.

Result of a project

The result (outcome) of a project is generally **something new** (product, service, system...).

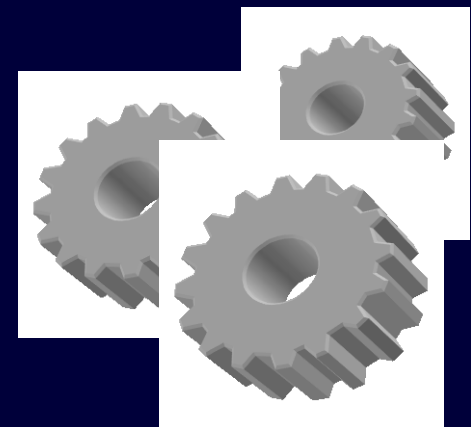
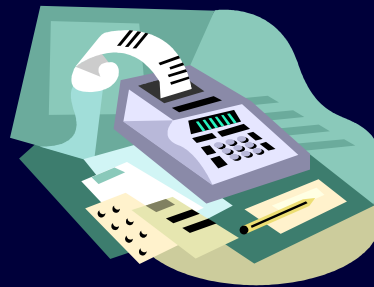
A project may be simple or complex, short or long.

Whatever its characteristics, **a project needs to be managed** in order to produce the expected result.



What is project management?

- **Project management** is the application of knowledge, skills, tools and techniques to project activities to meet project requirements.
- **Project management** is the discipline of planning, organizing and managing resources to achieve the specific project objectives.



What is management?

Definitions of the words “management” and “to manage” in the Cambridge dictionary:

management:

- the control and organization of something

to manage:

- to be responsible for controlling and organizing someone or something

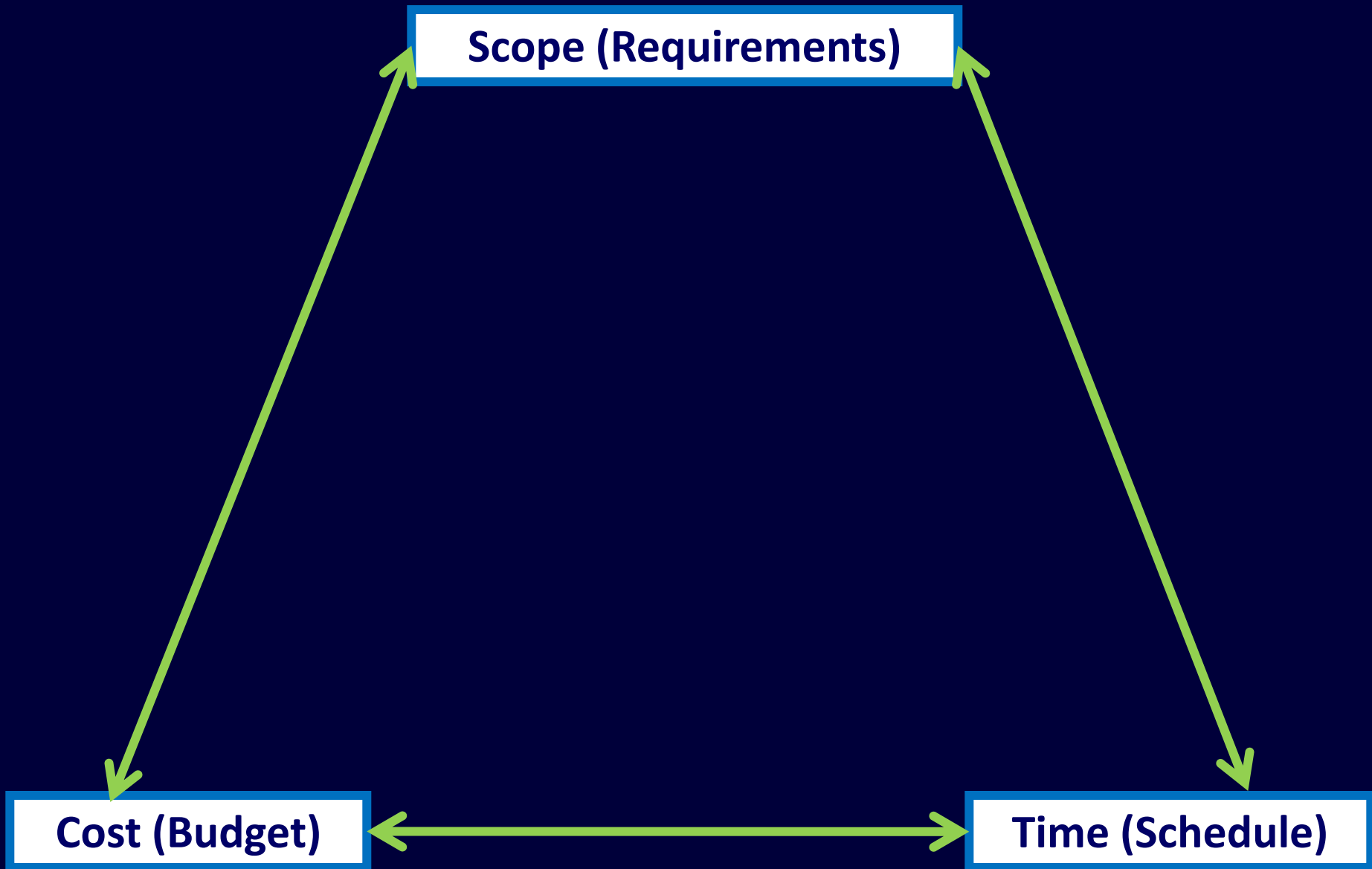
A poorly-managed project!



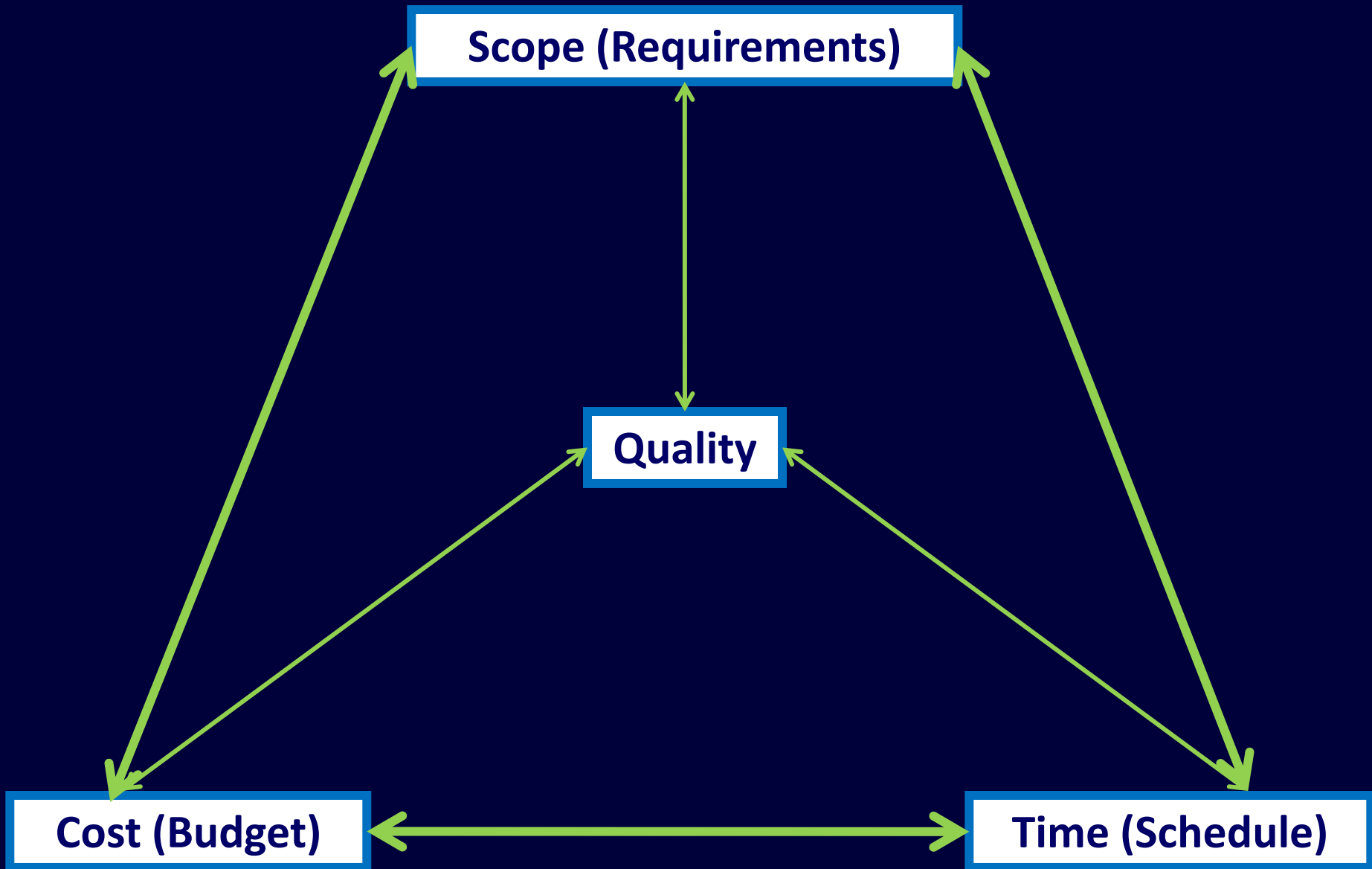
A poorly-managed project?



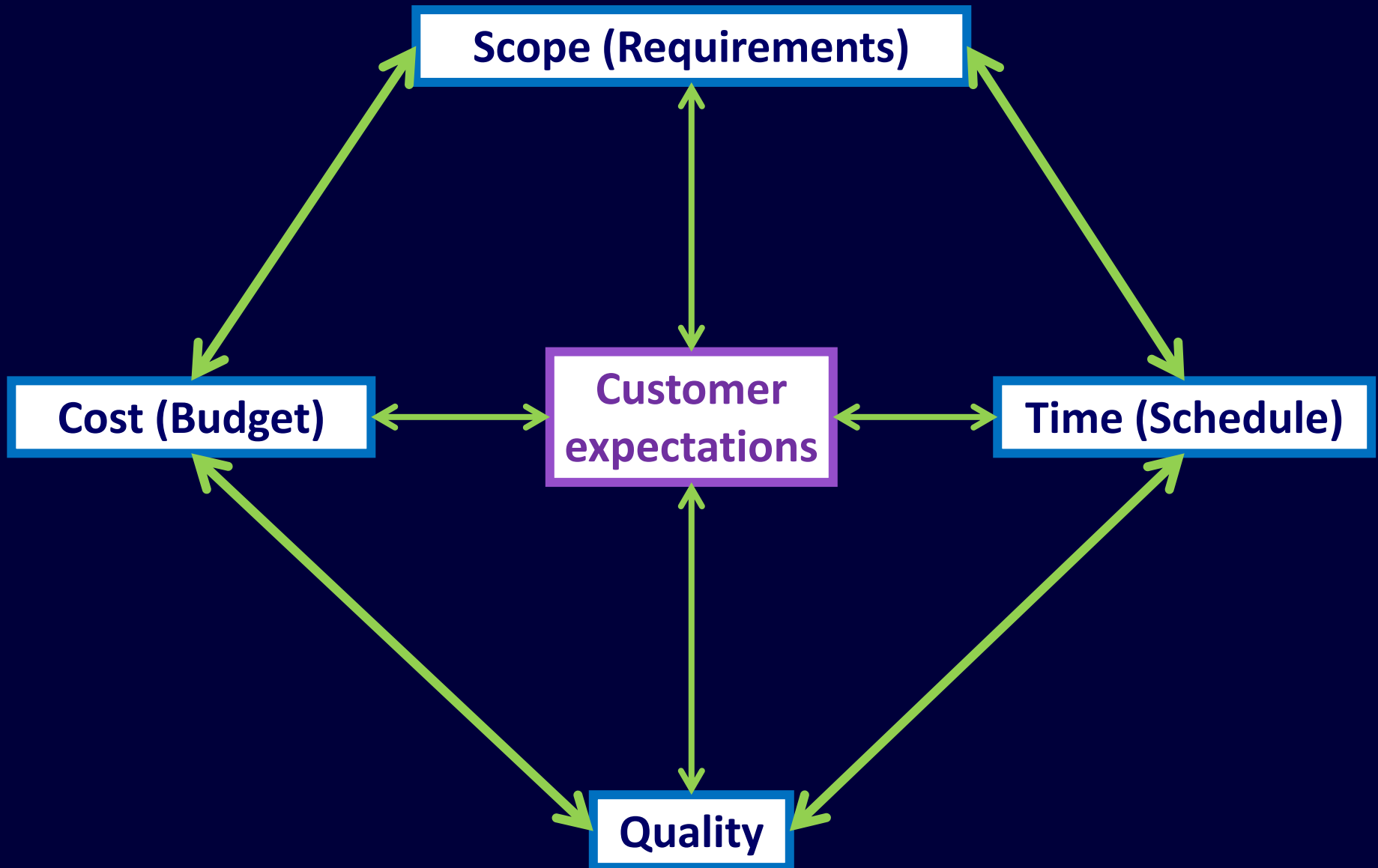
Project Management triangle (1)



Project Management triangle (2)

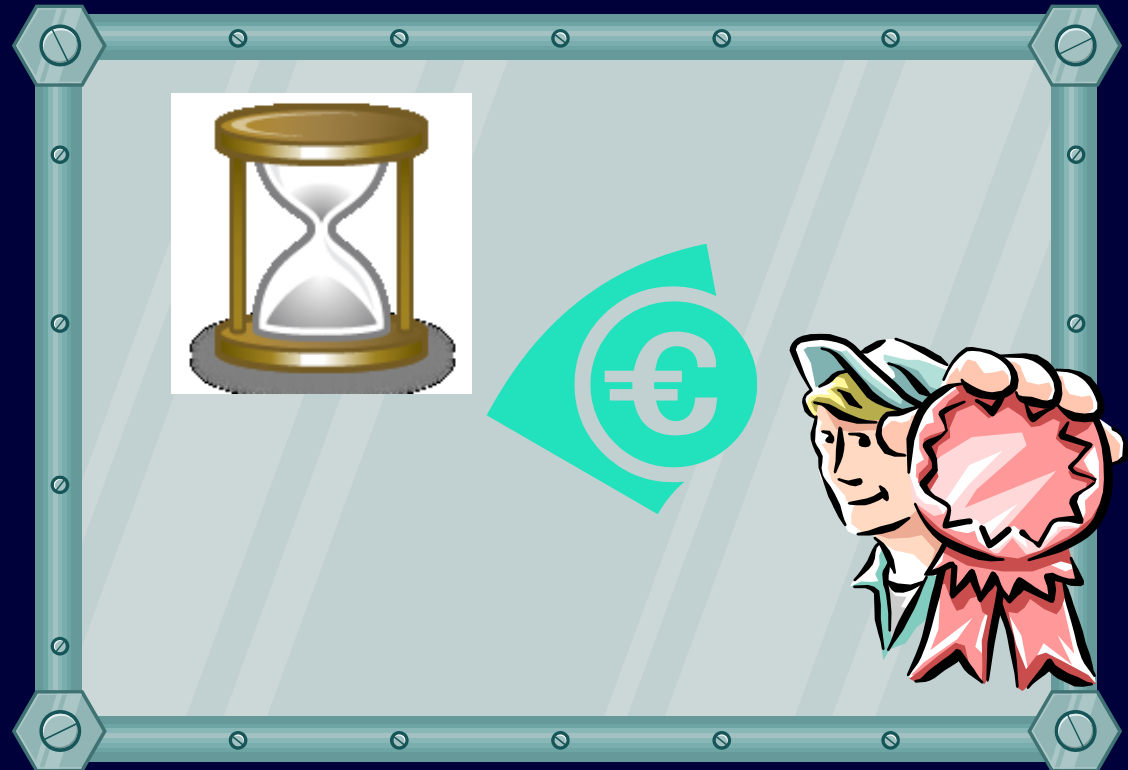


Project Management diamond

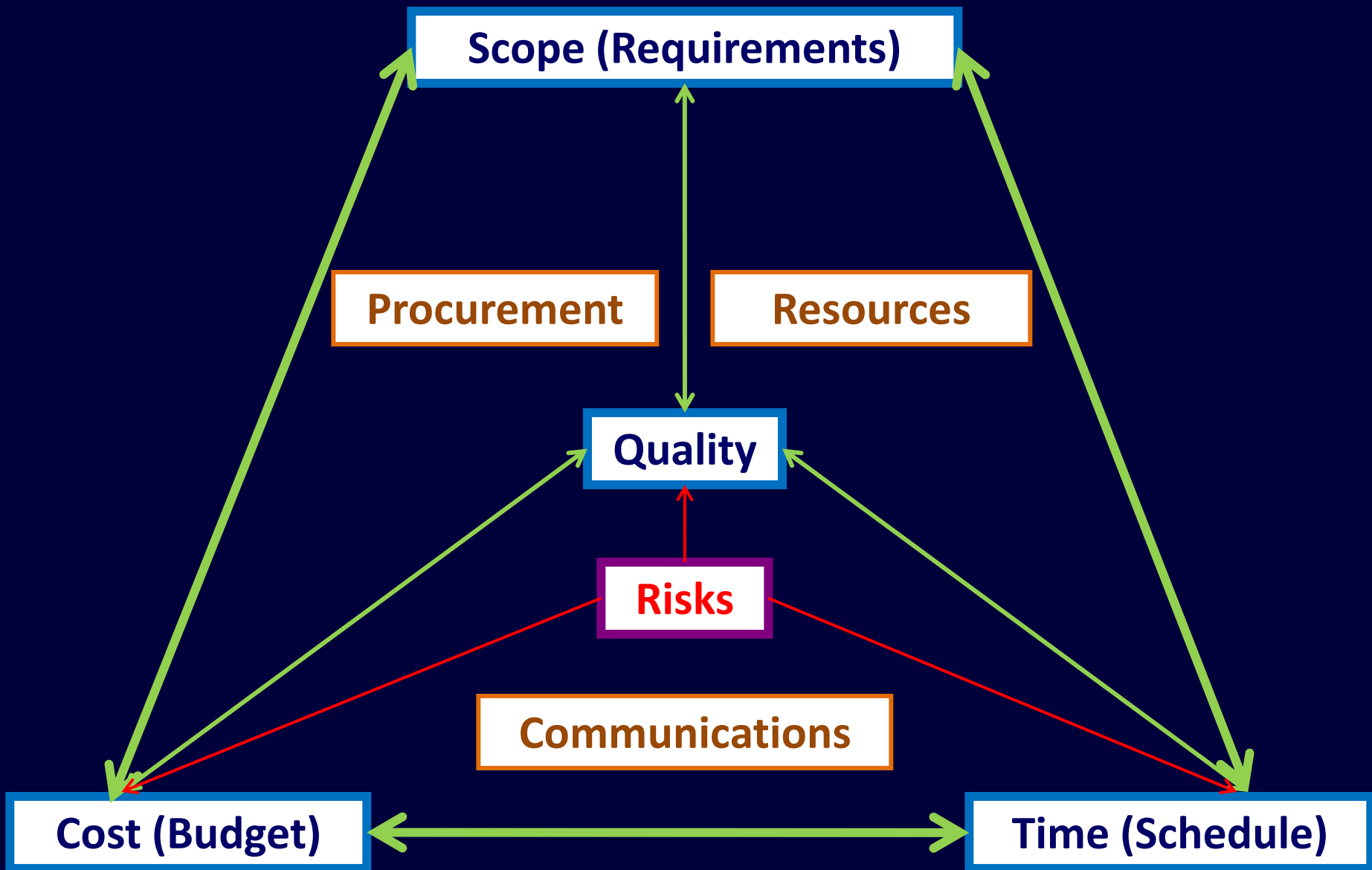


The objective of project management

To ensure the completion of a project in compliance with the agreed scope, schedule, budget and quality requirements, in order to meet customer expectations.



Project Management areas



Questions?