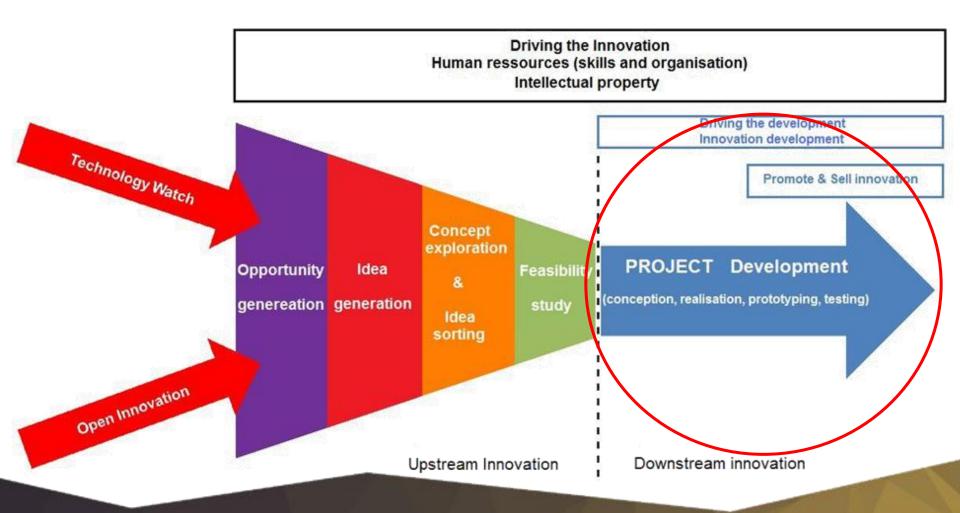


Project Management

Presented by Flavien Massi, Intelligentsia Consultants Sàrl



Objective of the course





(True) Misconceptions

Project management is always chaotic

Time-consuming (waste of time)

Easy and trivial

Highly bureaucratic with unnecessary paper work

Project managers don't know what they are doing. They are paid to organise meetings and provide obvious recommendations.



In Reality

Project management helps to manage risks and implement mitigation actions

Time-consuming (to save time later)

Easy concepts for Highly bureaucratic with complex situation boring paper work

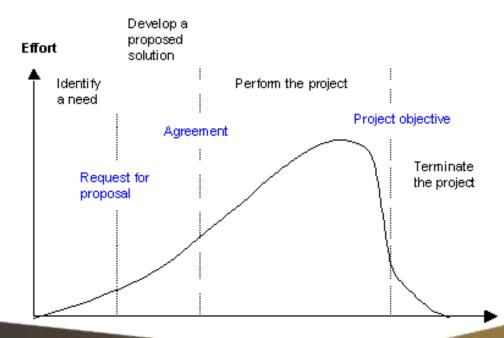
Project managers don't (always) know what they are doing. They are paid to organise meetings and provide obvious recommendations.



The Project Manager Communicate Motivate Manage 0 Organise Analyse Decide blan AMATUC

Project life-cycle

- A project can be divided into 4 phases:
 - Identification of a need
 - Development of a proposed solution
 - Implementation
 - Termination





1/ Identification of a need

- Any project is the result of a given need and/or requirement.
- Defining the 'real need' will help to find a solution and then implement the project.
- The need can be identified and defined by:
 - Customers,
 - End-users,
 - R&D department,
 - Marketing department, etc.



2/ Development of a proposed solution

- Identify several solutions based on innovation techniques:
 - Brainstorming
 - The springs of creativity
 - 5 why's
 - Ichikawa
 - ▼ TRIZ













Select the 'best' solution you want to implement



3/ Project Implementation

- After the identification of your solution you must perform the project according your available resources:
 - Time
 - Money
 - People
 - Competences
 - Materials



4/ Termination of the project

- In this phase you must perform the close-out activities and evaluate your performance based on pre-defined indicators.
- During this phase you must check the impact of your project and plan corrective actions to reach your objectives

The project triangle



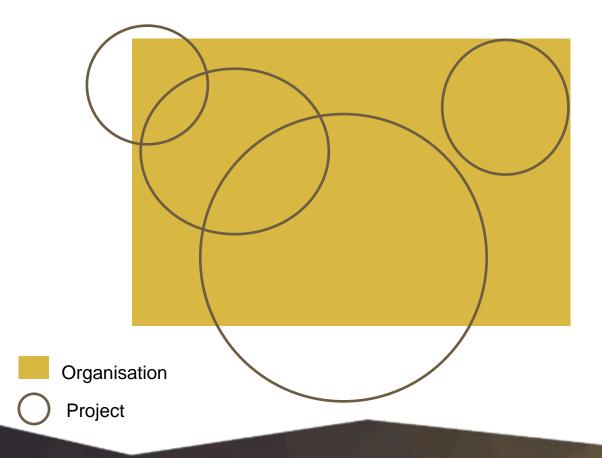


Types of project

- Large-scale projects
- Small-scale projects
- Maintenance projects
- R&D projects
- Development projects and new products launch
- IT projects
- International projects



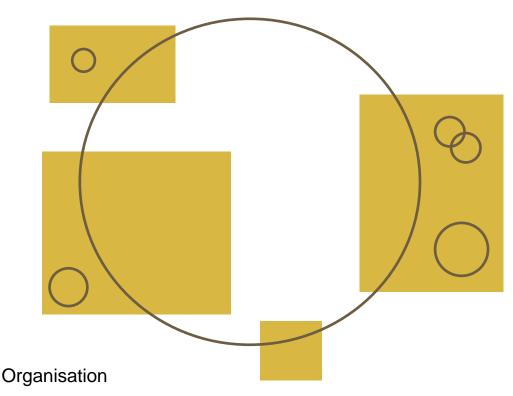
Projects VS Organisation's Strategy



- Leading organisation which is controlling the work performed.
- Some cooperative projects but always leading the consortium.
- Involved in Large-scale projects, vital for its sustainability.
- Project organised and structured. Autonomous project running in parallel of the organisation's strategy.



Projects VS Organisation's Strategy

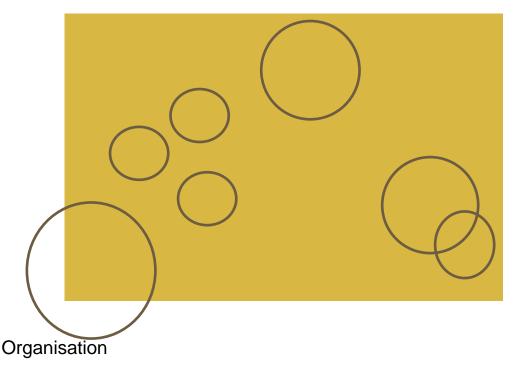


- Central project involving several organisations.
- Organisations are not used to work together and have their own strategy.
- One organisation is more involved and coordinate the project and other organisations.
- Each partner contribute with its own experience, skills, equipments, etc.





Projects VS Organisation's Strategy

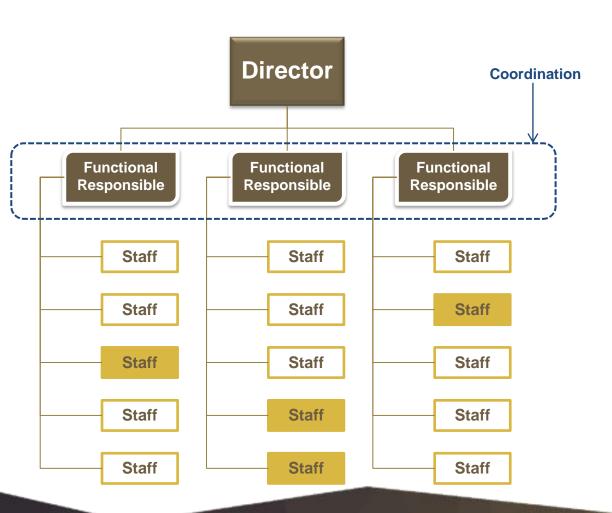


- One organisation leading several small-scale projects internally.
- Projects are usually independent from each other and then without affecting the organisation's sustainability.
- Project manager can run other activities on the side.



Project

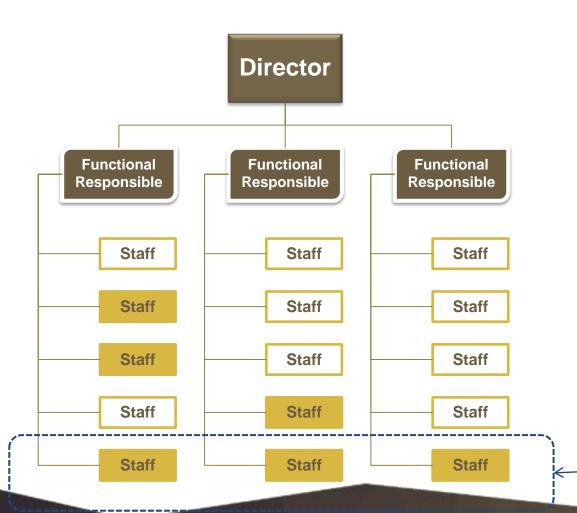




Functional Organisation

- Feams are gathered by skills, competencies or specialties.
- Strong hierarchical structure.
- Project activities are divided according the function of each participant.



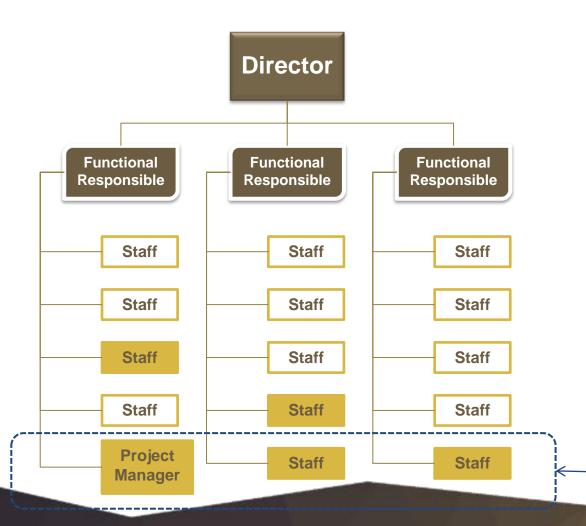


Light matrix Organisation

- Very similar to functional organisation.
- Project manager is more a coordinator than a hierarchical superior.
- Project activities are divided according the function of each participant.

Coordination



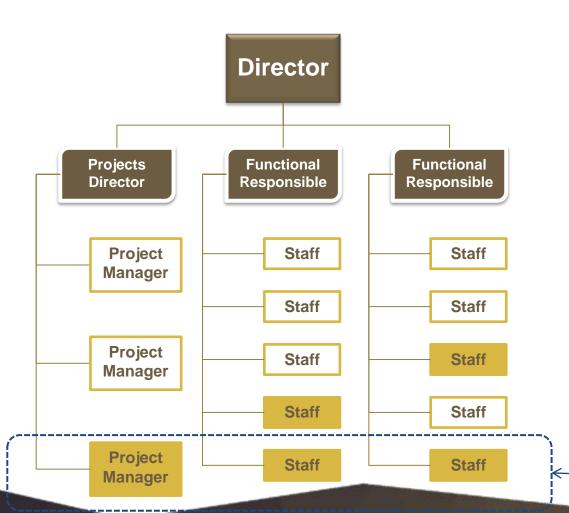


Balanced matrix Organisation

- The project manager is part of a department and has more power than in the light matrix organisation.
- Staff with a defined function and out of the coordination are taking part to the project as well.

Coordination



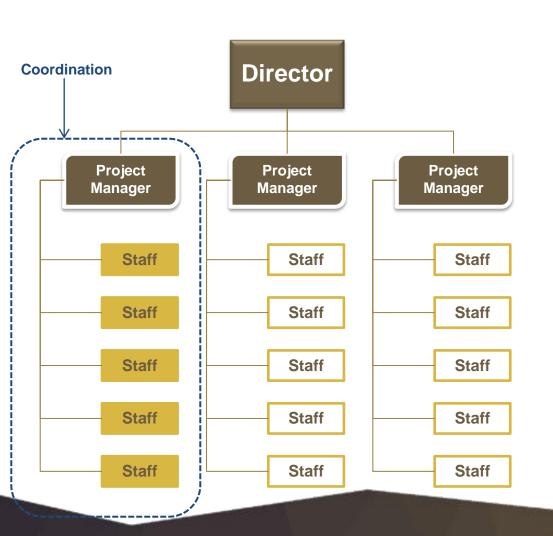


Strong matrix Organisation

- It exists a project department involving several project managers and a director supervising the project portfolio.
- Project managers work fulltime on their respective project(s).
- Staff with a defined function refers to a project manager or another according their involvement on projects.

Coordination





Organisation per project

- Members of a project are usually gather in the same location and are working as a team.
- Project members have different specialties and competencies.
- Project managers have a strong power in this organisation and are independent.



Influence of organisational structure on the project

Project Characteristics	Functional	Light Matrix	Balanced Matrix	Strong Matrix	Organisation per project
Authority of the Project Manager	Small or not	Limited	Small to moderate	Moderate to strong	Strong to total
Percentage of staff working full-time on projects	Almost 0%	0 - 25%	15 - 60%	50 - 95%	85 - 100%
Allocation of the Project Manager	Part-time	Part-time	Full-time	Full-time	Full-time
Allocation of the management team	Part-time	Part-time	Part-time	Full-time	Full-time
Organisation's strategy oriented project	Small	Small	Medium	High	High



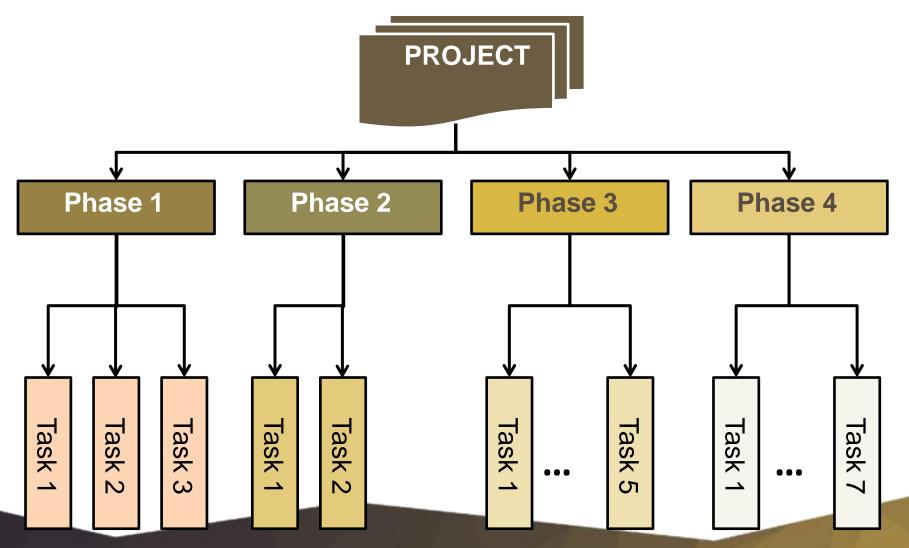
Project Management 'Starter Pack'

- You can implement basic management tools and techniques to help you throughout the project management process.
- You must first define the project requirements and resources to your disposal.

 - Time
 - Scope (need and objectives)
 - Tasks
 - Materials
 - Competencies



Work Breakdown Structure





PERT chart

WP4: Project Management

Task 4.1: Project coordination
Task 4.2: Managing administrative matters
Task 4.3: List of publications

WP1: Short Term Staff Exchanges

Task 1.1: Staff exchanges with LbU with respect to Research Sub-Topics 1 & 3

Task 1.2: Staff exchanges with ACUAS with respect to Research Sub-Topics 1 & 2

WP2: Training Workshops, Conferences and Summer Schools

Task 2.1: Organise training workshops

Task 2.2: Organise and participate in international conferences

Task 2.3: Organise summer schools

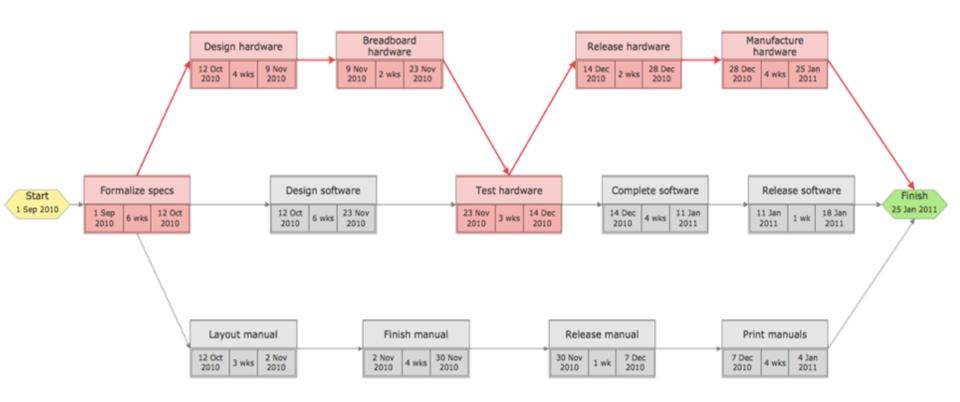
WP3: Dissemination and Outreach

Task 3.1: Design, implement and maintain a project website

Task 3.2: Produce promotional materials

Task 3.3: Organise outreach activities

PERT chart





GANTT chart

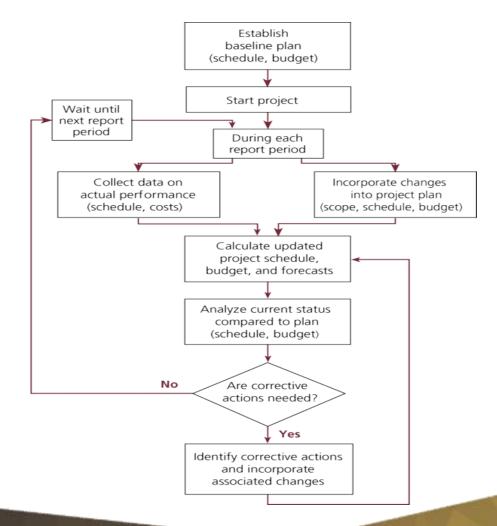
	M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14 M15 M16 M17 M18 M19 M20 M21 M22 M23 M24 M25 M26 M27 M28 M29 M30 M31 M32 M33 M34 M35 M35 M35 M35 M36 M37 M38 M39 M30 M31 M32 M33 M34 M35 M39 M39 M30 M31 M32 M33 M34 M35 M39 M39 M30 M31 M32 M33 M34 M35 M39 M39 M30 M31 M32 M39 M30 M31 M39 M30 M31 M39 M39
WP1.Short Staff Exchanges	MS5 MS5
T1.1. Staff exchanges with TUCN and LbU	♦
T1.2. Staff exchanges with TUCN and ACUAS	\Diamond
WP2. Training Workshops, Conferences and Summer-schools	MS3 MS7, 8,
72.1. Organise training workshops	1st work. 2nd work. 2nd work. 3rd work.
12.2. Organise and participate in international conferences	Conference at TUCN
T2.3. Organise summer schools	<u></u>
WP3. Dissemination and Outreach	MS2 MS4
I3.1. Design, implement and maintain a project website	◇
T3.2. Produce promotional materials	♦ ♦
T3.3. Organise outreach activities	
WP4. Project Management	MS1 MS6 MS11,
T4.1. Project Coordination	♦
T4.2. Managing administrative matters	
T4.3. List of publications	\diamond

Deliverables
Continuous activity
MS Milestones



Control Process







Risk management

Risk n°	Title	Description	Level	Mitigation plan	Contingency





Thank you for your attention

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