Challenge@PoliTO_**By Students**
Mapping PoliTO spaces – Kickoff meeting
6-7 March 2025

Mapping PoliTO spaces

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Mentor: Alessandra Spreafico, Tommaso Calò, Simone Preziosa, Emere Arco

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Mentor

Simone Preziosa
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Educational background

1

Bachelor Degree in Management Engineering

From 2017 to 2020 at Politecnico di Bari

2

Master Degree in Management Engineering

From 2021 to 2024 at Politecnico di Torino

3

PhD in Management and Production Engineering

From 2024 at Politecnico di Torino

Master thesis and research topics

Master Thesis title was

"*Circular fashion: analysis of the second-hand apparel shops in Turin*"

PhD research topic:

The critical role of public-private partnerships (PPPs) in Healthcare logistics

Main research interests:

- PPPs Project Management
- Healthcare logistics
- Supply Chain Management and Simulation
- Logistics and Sustainability
- Automated warehouses

My research

1 Public-Private Partnership

autostrade per l'italia

XFARM TECHNOLOGIES

INFRA.TO infrastrutture per la mobilità

- Creation of a Transport Asset Maintenance Tool for motorway tunnels
- Definition of dashboard for a Project Portfolio Management
- Analysis and audit of Financial Business Plan

2 Supply-chain Management

- Analysis of Industry 5.0 impacts on logistics
- Analysis of fashion supply-chain
- Exploratory research on sustainable supply-chain practices

Hobbies and personal interests

- Backpacking
- Climbing and Trekking
- Paddle
- Cooking
- Football Team Supporter

Publications and Upcoming Articles

- F.M. Ottaviani, A . De Marco, T. Narbaev, M. Rebuglio and S. Preziosa (2024). A Review and Mapping of Project Schedule Monitoring Methods, International Conference on Project MANagement (ProjMAN), Madeira, November.
- S. Preziosa, G. Mangano and A. Lagorio (under review). A Descriptive Framework for Analyzing the Second-hand Apparel Retailers: An Empirical Validation in Italy. International Journal of Retail & Distribution Management.
- S. Preziosa, A. Cagliano, G. Mangano and C. Rafele (2025). Impacts of Automation on the Performance of Hospital Warehouses. An Italian Application. IFAC Conference, Trondheim, July 2025.
- S. Preziosa, G. Mangano, A. Lagorio, A. Cagliano (under review). Circular Second-Hand Apparel Business: An Empirical Study from the Retailers' Perspective. Summer School Francesco Turco, Proceedings.

Project Management

Foundations of Project Management

- *The concept of project management can be traced back to the **Ancient Civilizations** which carried out massive projects (e.g., pyramids) although lacking formalized methodologies.*

- *The **Manhattan Project (1940s)**, which led to the development of the atomic bomb, represents the first example of a formally managed project using structured methods*

- ***Project Management Institute (PMI)** was established in **1969**, promoting project management as a formal discipline.*

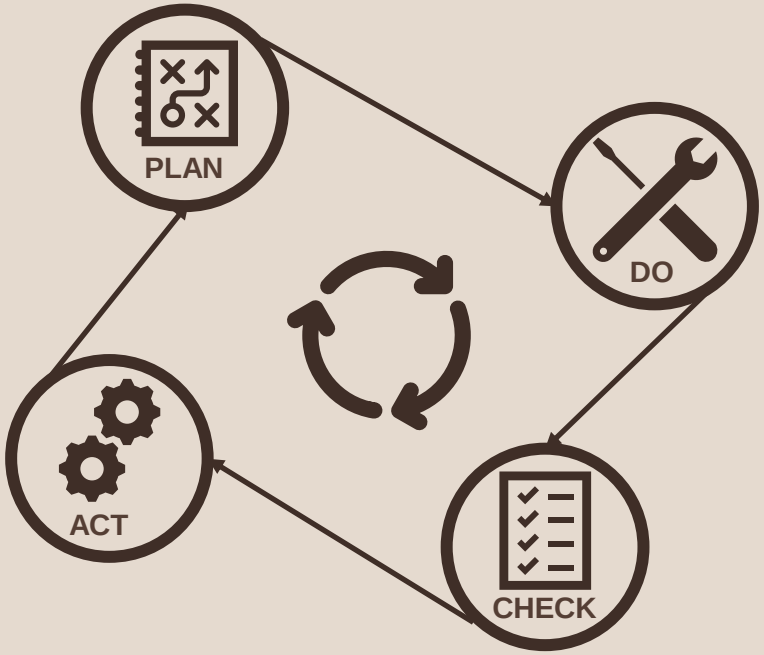
Project Definition

*«Project is a combination of human and non-human **resources**, grouped together in a **temporary** organization, to achieve a defined **goal** with limited resources»*

SCOPE BOUNDARIES

Project Management

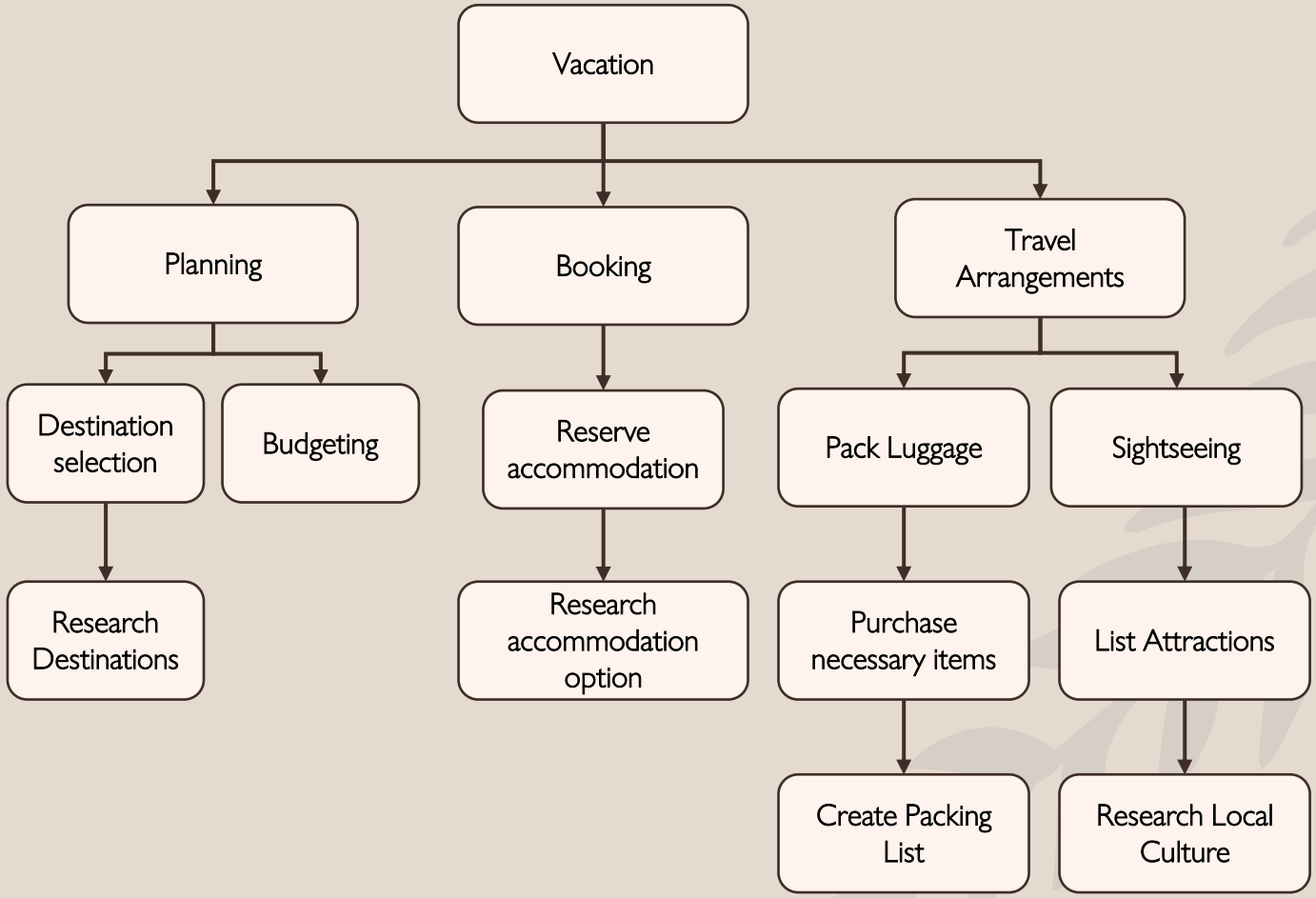
*«Project management is the practice of **planning**, organizing, and executing the **tasks** needed to turn a brilliant idea into a tangible product, service, or **deliverable**.»*



WBS

A Work Breakdown Structure (WBS) visually organizes project deliverables into different levels based on dependencies.

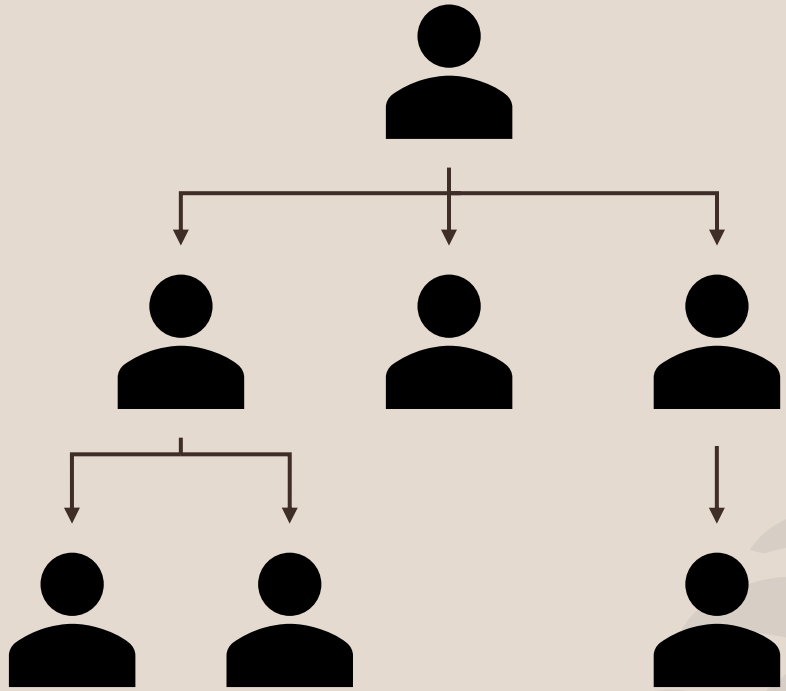
1. Define the project's **objective**.
2. Break the project into **phases**.
3. Define project **deliverables** for each step.
4. Identify **tasks** for each deliverable.



OBS

A Organizational Breakdown Structure is the decomposition of the necessary resources to perform the job.

- Identify the hierarchical relationship between the different bodies involved in the project.
- Roles can vary based on individual inclinations.



RACI Matrix

A RACI matrix is a type of responsibility assignment matrix that lists all stakeholders of a project and their level of involvement in each task.

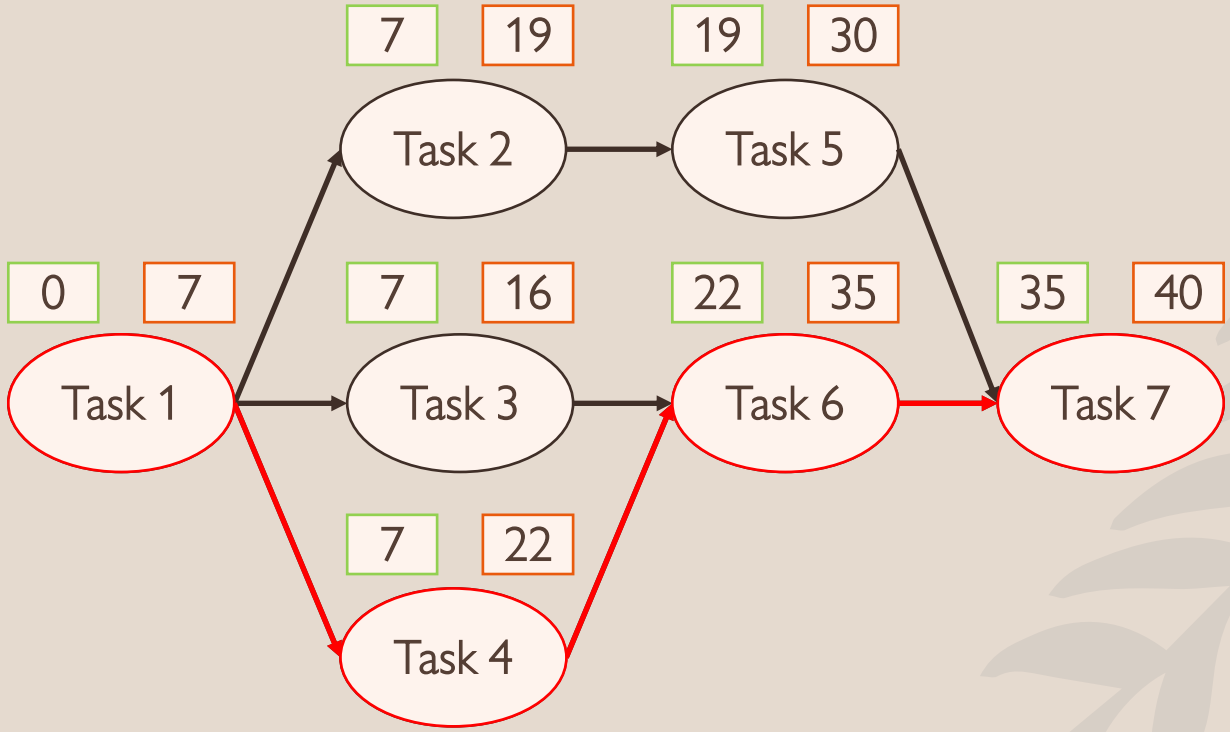
- **Responsible**: work to complete the task.
- **Accountable**: review the deliverable before it is deemed complete.
- **Consulted**: provide input and feedback on the work being done in a project.
- **Informed**: need to know the progress of a project.

Activities	STKH-1	STKH-2	STKH-3	STKH-4
Task 1	A	R	C	I
Task 2	C	A	R	I
Task 3	R	C	A	C
Task 4	C	R	A	I
Task 5	R	A	C	I
Task 6	A	R	I	C
Task 7	R	C	A	I

Network Diagram

A Network Diagram is a visual representation of a project's tasks and their dependencies, showing the flow of work from start to finish.

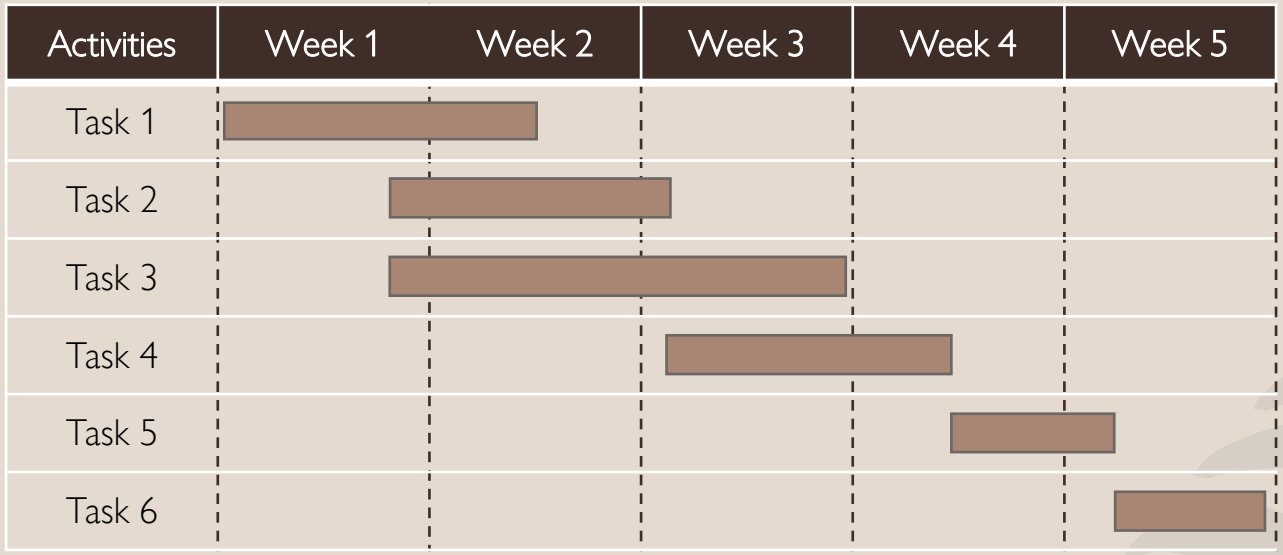
- List all **tasks** to be performed.
- Assign **duration** to each task.
- Identify which tasks must be completed before others start.
- Represent each task using **nodes and arrows** to indicate task dependencies.



Gantt Chart

A Gantt chart is a project management tool that illustrates work completed over a period of time in relation to the time planned for the work.

1. Start from the **Network Diagram**
2. List all the activities in **chronological order**
3. Represent activities as **bars** with length proportional to the duration
4. Sequences must represent the **real development** of work



Monitoring and Controlling

Monitoring and controlling are management processes that occur during the execution of operational project activities.

Objective: to identify and correct the deviation from what was planned in terms of budget, timing and quality.

Ensure that the project is staying on track:

- Are all team members clear on their tasks and deadlines?
- Are there potential risks that could affect our schedule?
- Are we getting consistent feedback from stakeholders?
- Are there any cost overruns, and if so, why?
- Is the project scope still aligned with the original objectives?

Team Formation

Outline

- ❑ Quick Presentation
- ❑ Hybrid Talk Room
- ❑ Team Creation
- ❑ Check Teams

Quick Presentation

Let's tell us something about you

- Name and Surname
- Academic Background
- What drove you here?
- One of your hobbies

It's your turn

Number	Surname	Name
1	Sagar	Jessica Priya
2	Shahbazi Dastgerdeh	Maryam
3	Cheraghi	Aisa
4	Zhao	Runjia
5	Peng	Wanyu
6	Sadat	Seyed Morteza
7	Fallahi	Elahe
8	Chen	Wenyu
9	Orsi	Edoardo
10	Wu	Yingqian
11	Zanatta	Michele
12	Castorina	Maria Laura
13	Vergnano	Edoardo
14	Bianco	Isabella
15	Steffanone	Matteo
16	Lampitelli	Simone

Number	Surname	Name
17	Salerno	Simone
18	Stigliano	Francesco
19	Nouri	Ala
20	Hasanzadeh	Mahdi
21	Alamdar	Melikasadat
22	Zhang	Meiqi
23	Kiumarsi Oskuei	Farzad
24	Jiang	Shui
25	Zhang	Yun
26	Joulaei	Niloofar
27	Iran Nezhad	Nadia
28	Giuliani	Matteo
29	Luppino	Marco
30	Convertino	Alessandro Simone
31	Parichehrehteroujeni	Mohamad
32	Teymoorifard	Kimia

Hybrid Talk Room

- You will be divided into **6 groups**.
- **Meet** the other teams and **discuss** with them about a suggested topic.
- Every **15 minutes** you will switch to another team.

Group Formation

Group	Surname	Name
1	Sagar	Jessica Priya
1	Shahbazi Dastgerdeh	Maryam
1	Cheraghi	Aisa
1	Zhao	Runjia
1	Peng	Wanyu
2	Sadat	Seyed Morteza
2	Fallahi	Elahe
2	Chen	Wenyu
2	Orsi	Edoardo
2	Wu	Yingqian
3	Zanatta	Michele
3	Castorina	Maria Laura
3	Vergnano	Edoardo
3	Bianco	Isabella
3	Steffanone	Matteo
3	Lampitelli	Simone

Number	Surname	Name
4	Salerno	Simone
4	Stigliano	Francesco
4	Nouri	Ala
4	Hasanzadeh	Mahdi
4	Alamdar	Melikasadat
5	Zhang	Meiqi
5	Kiumarsi Oskuei	Farzad
5	Jiang	Shui
5	Zhang	Yun
5	Joulaei	Niloofar
6	Iran Nezhad	Nadia
6	Giuliani	Matteo
6	Luppino	Marco
6	Convertino	Alessandro Simone
6	Parichehrehteroujeni	Mohamad
6	Teymoorifard	Kimia

Round 1

Q1. What experience do you have with digital mapping or app development? What do you expect from this challenge?

Area A	Area B	Area C
Group **1**	Group **3**	Group **5**
Group **2**	Group **4**	Group **6**

Round 2

Q2. Have you encountered any challenges in navigating the campus yourself? How did you feel looking at Polito the first time?

Area A	Area B	Area C
Group **1**	Group **3**	Group **2**
Group **4**	Group **5**	Group **6**

Round 3

Q3. How do you usually find your way around the campus? Do you rely more on official signs or on the directions of your friends?

Area A	Area B	Area C
Group **6**	Group **3**	Group **2**
Group **4**	Group **1**	Group **5**

Round 4

Q4. What's something you've learned about yourself through teamwork—either a strength you bring to the table or something you're working on improving?

Area A	Area B	Area C
Group **6**	Group **5**	Group **2**
Group **3**	Group **1**	Group **4**

Round 5

Q5. How do you think this challenge can help in developing skills relevant to your future career aspirations?

Area A	Area B	Area C
Group **2**	Group **5**	Group **1**
Group **3**	Group **4**	Group **6**

Team Creation

- You will be divided into **5 Teams** *(4 teams of 5 members; 1 team of 6 members)*
- Choose your teammates!
- Your team must be composed of:
  - **1** from Architecture
  - **1** from Computer Engineering
  - **1** from Data Science or Engineering Mathematics or Aerospace Engineering
  - **1** from Management Engineering or Environmental and Landscape Engineering or Energy Engineering
  - A **Min** of **1** and a **Max** of **2** from Digital Skills for Sustainable Societal Transitions