# Project in Group Your mission and challenge

## Organisation

- Working in groups
  - 4 students/group (max)
  - 4 groups
- Challenge connected to theory
  - Do not wait the end ...
- Continous review
  - Q&A every time we meet

# The project

- Context
  - Digital transformation of a (fictive) enterprise active in a (free to choose) sector
- Your mission
  - Ideate IT enabled innovations for this enterprise
  - Design the architecture of the enterprise to support this innovative idea

### Your tasks

- 1. Motivate your idea
- 2. Design your solution
- 3. Plan the development
- 4. Integrate security risk management
- 5. Draw your conclusions
- 6. Pitch your idea!

### 1. Motivate your idea

- Questions to address environmental analysis, identification of drivers for change
  - Trends in the sector, Pain points to be solved, Technology push
  - Enterprise strategy (objectives) and technological innovation as a response to the environment context
- Illustration with ArchiMate
  - Motivation
  - Strategy

## 2. Design your solution

- Questions to address
  - Products and services delivered
  - Business operations (org structure, roles, processes) and required (IT) resources
- ArchiMate
  - Product/service offering
  - Organisation process map
  - Application
  - Technology

# 3. Plan your development

- Questions to address Business Model/Plan
  - How will you develop your product product roadmap, projects, ...
  - What approach will you apply (cycles, release plan...)
  - How does this relate to EA
  - How can you exploit your model

# 4. Security Risk Management

- Questions to address
  - What are the security risks associated with your product/services
  - How do you exploit the models to identify/address them
- Bonus
  - Integrate risk modelling in ArchiMate

# 5. Draw your conclusions

- Questions to address
  - What state did you reach?
  - What is the value of EA?
  - What is missing?
  - What are the next steps?

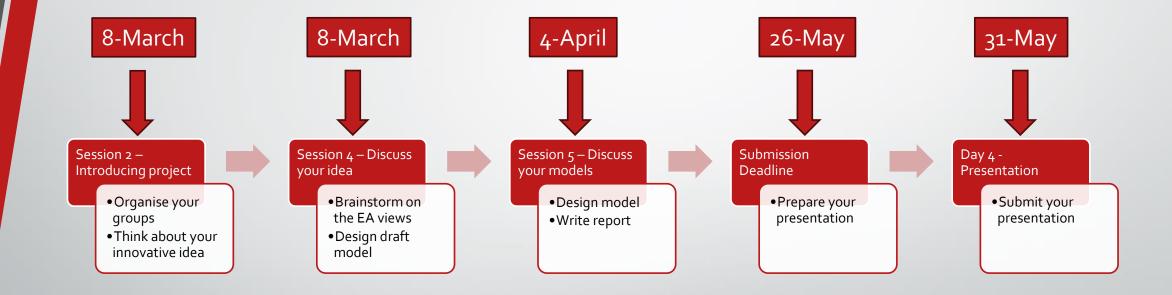
## 6. Pitch your idea!

- Sell your case your project presentation
  - Who do you want to convince?
  - What aspects are the most valuable?
  - How will you give insights on your EA?
  - EA modelling experience with ArchiMate how did the language work for you? Does it provide clear and useful concepts, and does it provide right-useful representations? If you used viewpoints, what is your reflection on this mechanism?

### Deliverables

- Case report
  - Document about 15 pages
- Case presentation
  - 20' by group
  - Equal intervention of each member

### Timeline



### Practical modalities

- Ask your questions by email
- Submit your report by email
  - Confirmation will be sent
- Submit your presentation slides by email

# Mobility sector

Some hints

## Current challenges

- Passenger information quality ?
- Sharing data Mobility data space
- New transport means silos ?
- Multi-modality fragmentation ?
- Transport of goods road safety, fair market, social rules

### Perspectives

- Transport operator public and private transport services
- Transport regulator
- New transport service
- Service integrator
- Any other perspective

### Some sources

- Mobility strategy
  - <a href="https://transport.ec.europa.eu/transport-themes/mobility-strategy\_en">https://transport.ec.europa.eu/transport-themes/mobility-strategy\_en</a>
  - https://transports.public.lu/fr/contexte/strategie/pnm-2035.html
- Mobility apps/MaaS
  - https://www.mobiliteit.lu/
  - https://whimapp.com/
- Mobility data
  - https://data.public.lu/en/pages/topics/mobility/
  - https://mobility-dataspace.eu/