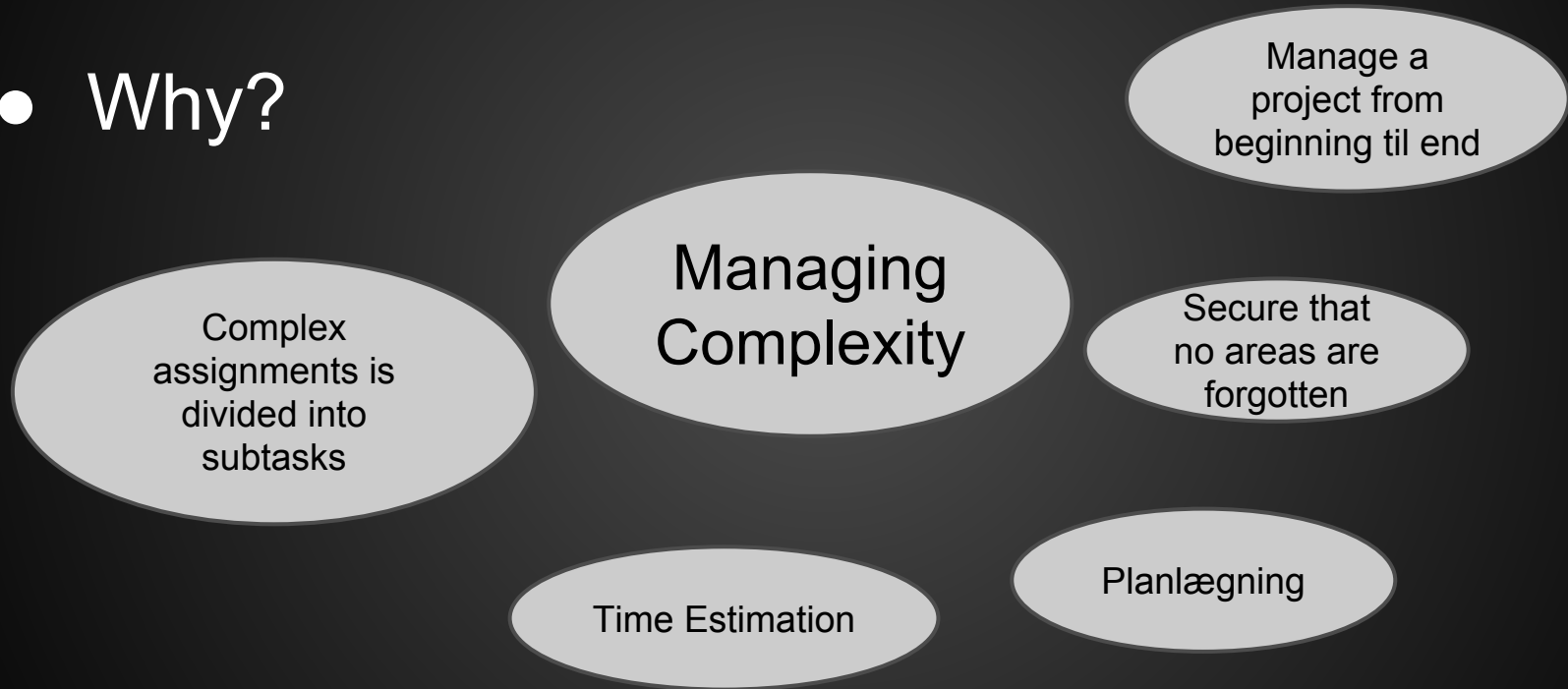


# Project Management

Waterfall & UP

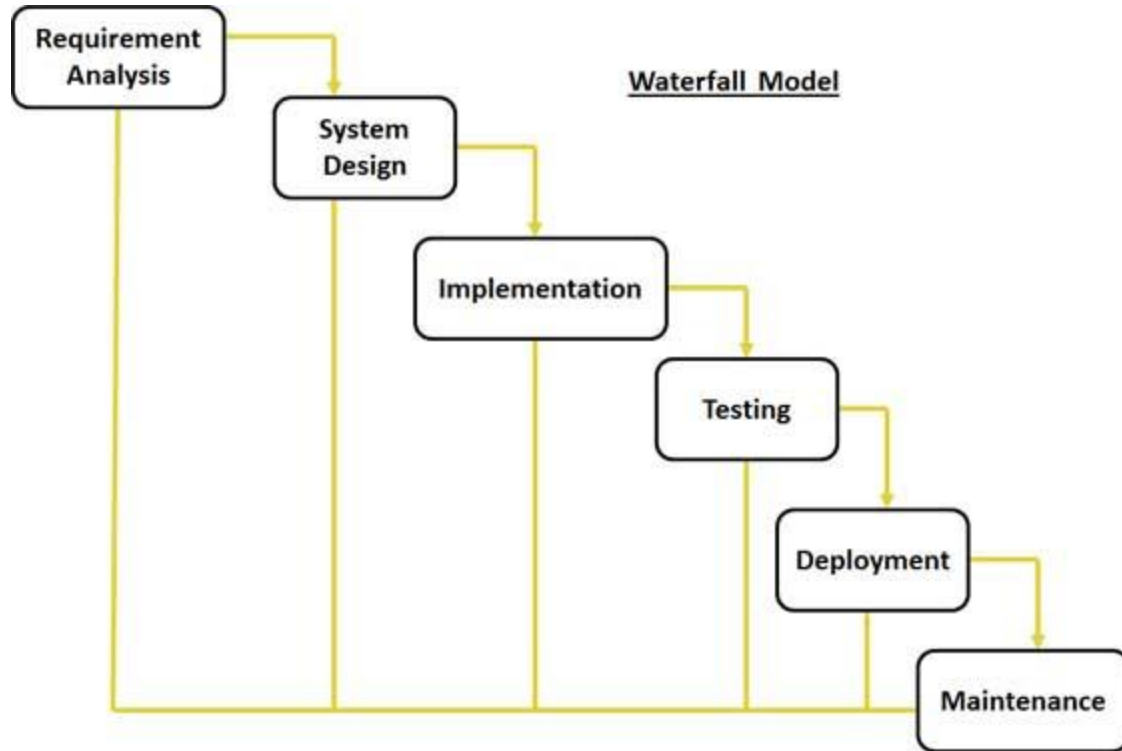
# Project Management

- Why?

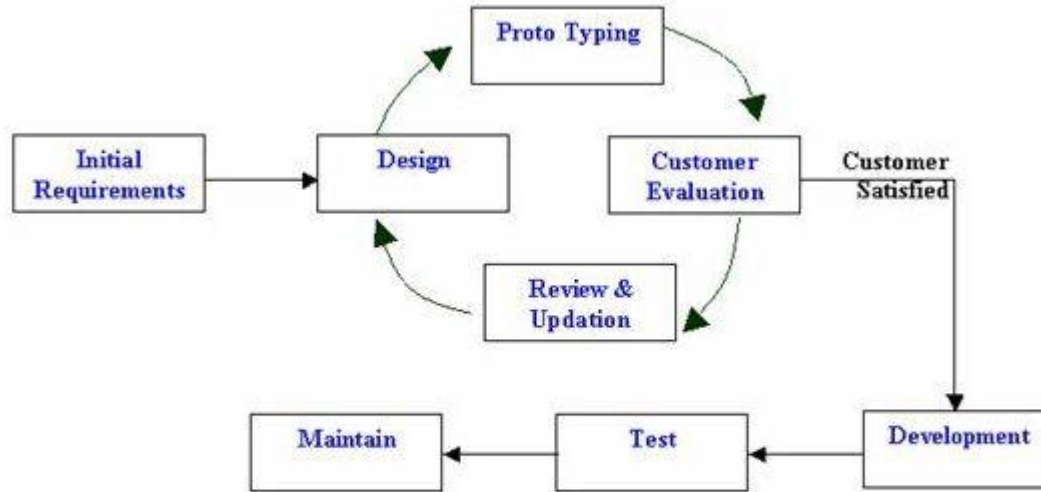


# Project Management

- Waterfall model
- Prototyping
- Unified Process (UP)

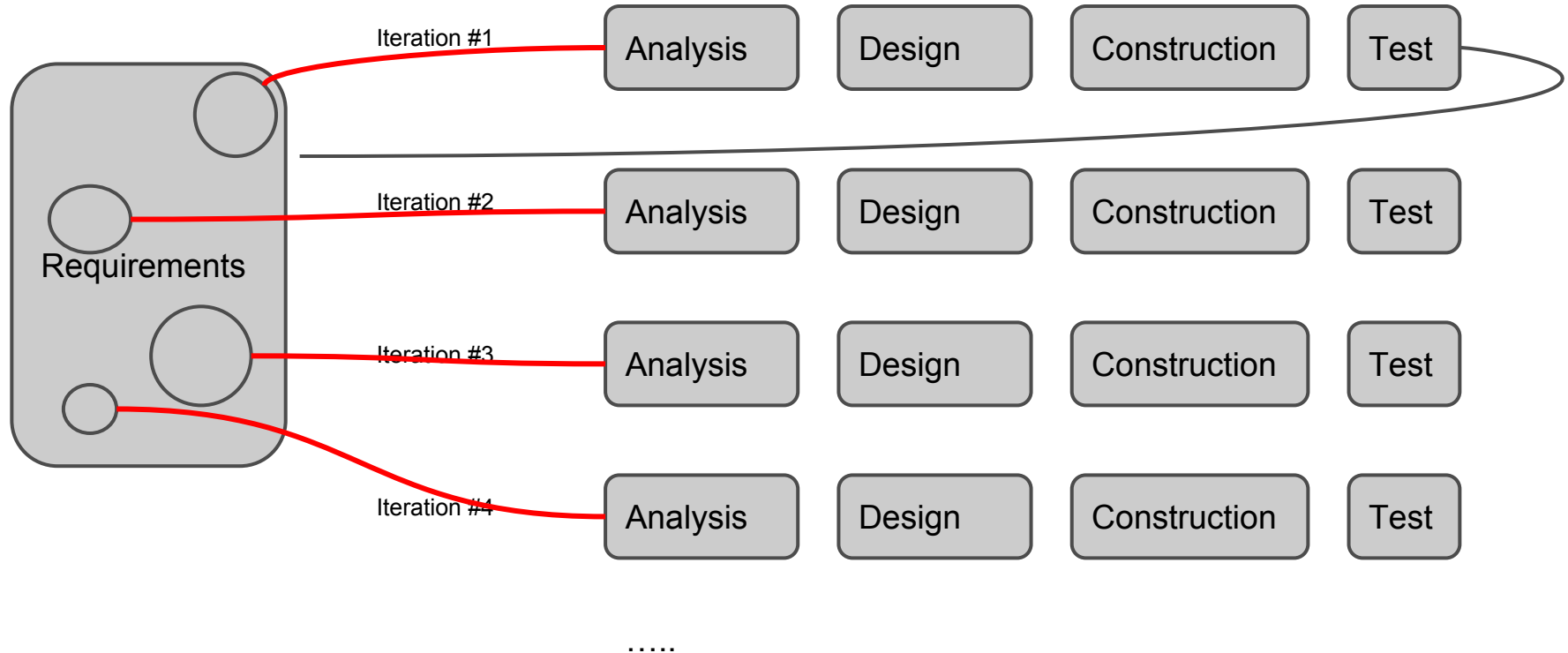


# Prototyping

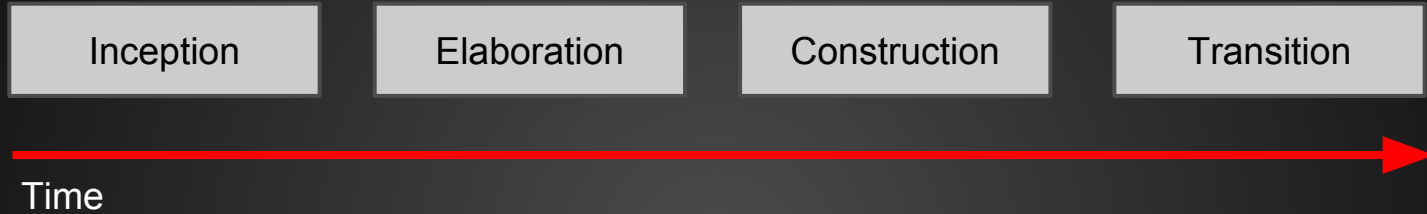


Proto Type Model

# Unified Process (UP)

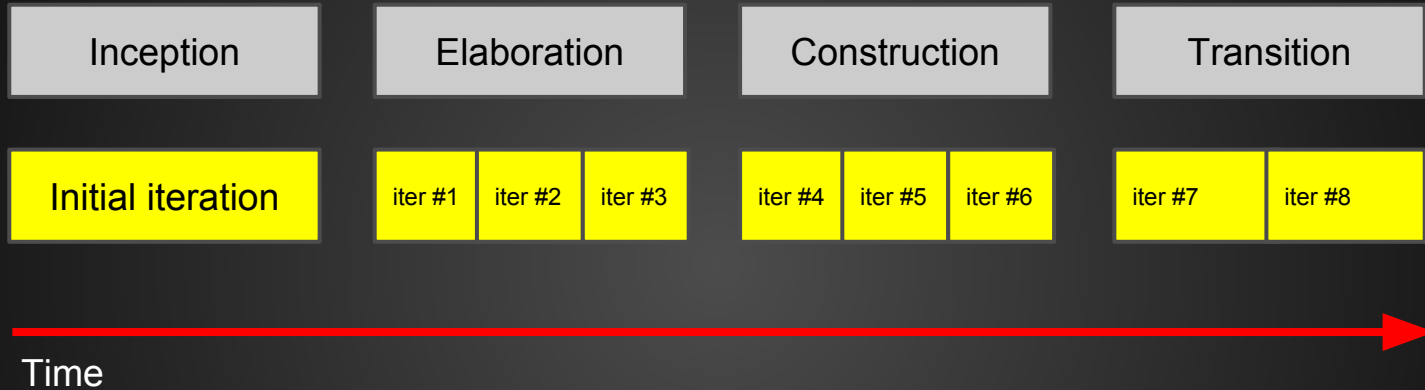


# Phases of Unified Process (UP)



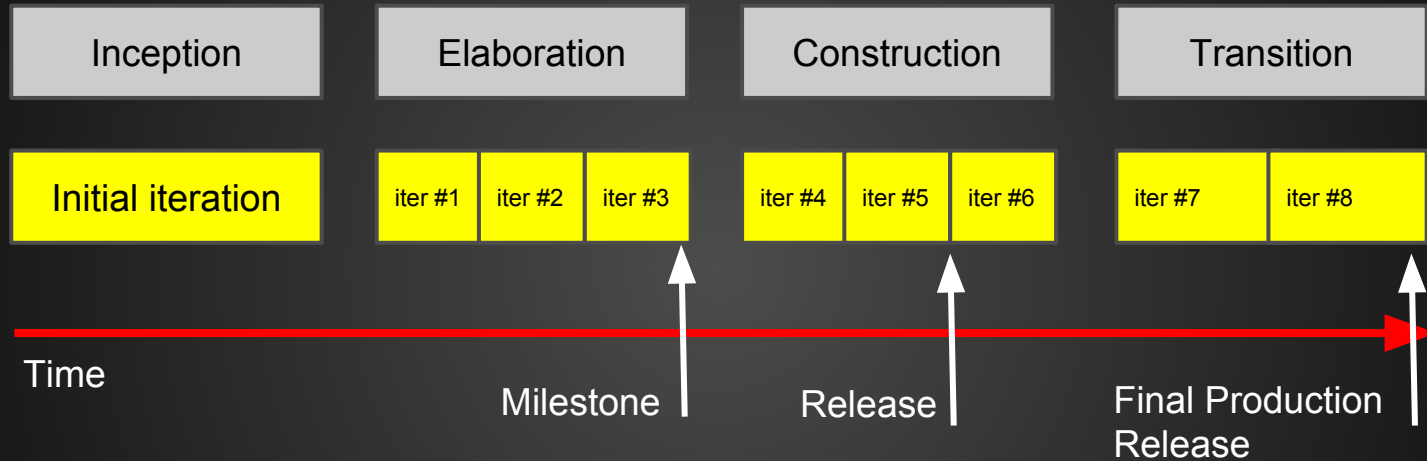
- **Inception:** Define the scope of project.
- **Elaboration:** Plan project, specify features, baseline architecture.
- **Construction:** Build the product
- **Transition:** Transition the product into end user community

# Phases of Unified Process (UP)





# Phases of Unified Process (UP)



- The milestone review provides a point in time to assess how well key goals have been met and whether the project needs to be restructured in any way to proceed.
- The end of each iteration is a minor release, a stable executable subset of the final product.

# The UP Disciplines

## Process Disciplines

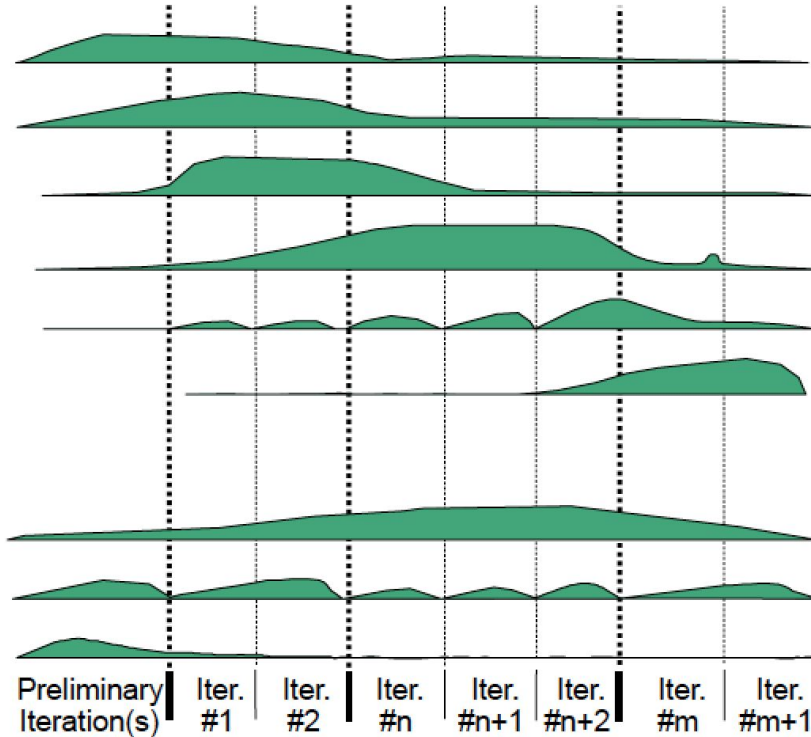
Business Modeling  
Requirements  
Analysis & Design  
Implementation  
Test  
Deployment

## Supporting Disciplines

Configuration Mgmt  
Management  
Environment

## Phases

Inception Elaboration Construction Transition



## Iterations

# The UP Disciplines

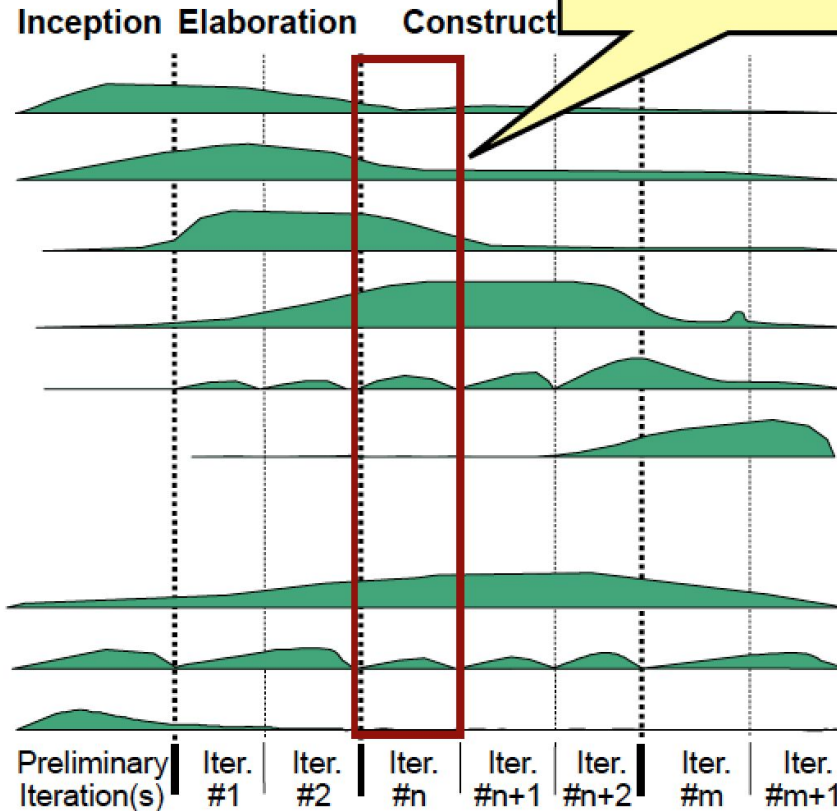
In an iteration you walk through all disciplines.

## Process Disciplines

Business Modeling  
Requirements  
Analysis & Design  
Implementation  
Test  
Deployment

## Supporting Disciplines

Configuration Mgmt  
Management  
Environment



# The UP Disciplines

## Process Disciplines

Business Modeling

Requirements

Analysis & Design

Implementation

Test

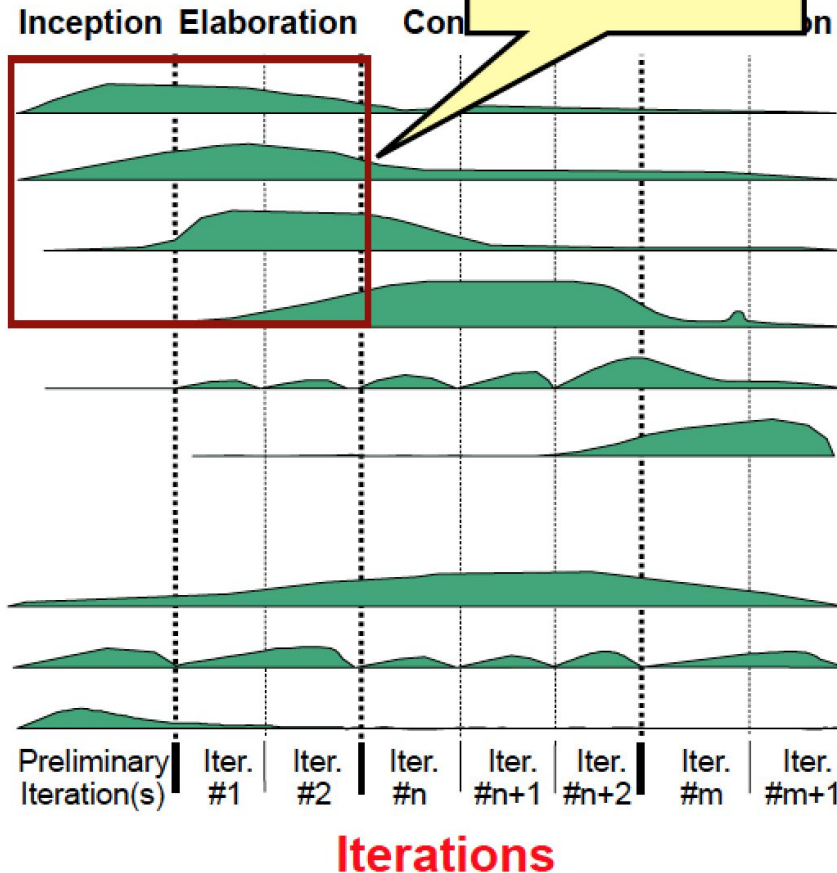
Deployment

## Supporting Disciplines

Configuration Mgmt

Management

Environment



# UP: Central ideas

- Iterative and incremental development
- Use case-driven
- Tackle high-risk and high value issues in early iterations
- Test early and often
- Continuously engage users for evaluation, feedback and requirements

# Pair-comparison

## How:

- Discuss the answers of the two questions below with the student next to you
- Compare your answers with another pair of students.
- The two pairs of students agrees on the best answers or generates new answers together.

Question 1: **What is meant by iterative development?**

Question 2: **What does incremental mean?**

You got  minutes!



# Waterfall & UP exercise

*In pairs, you should now:*

## Exercise 1

Person 1: should explain the Waterfall Method for the other person.

Person 2: has to listen and can not comment or improve the explanation.

This should take approximately 3 minutes.

When the time is up Person number 2 should now retell what Person 1 just toled. It is important to retell and the story should not be improved in any way.

When this is over you should together correct errors and misunderstandings, and write down a short text containing the explanation.

## Exercise 2

Do the same as above, but now explain Unified Process instead.