



PXL – IT

42TIN1280 Software Analysis Requirements Process

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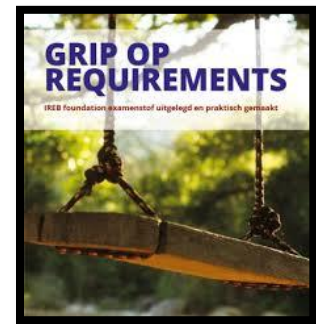
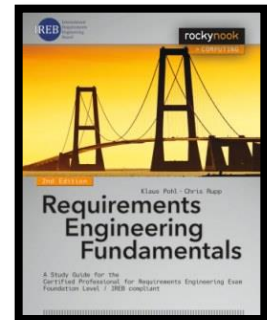
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Content

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 - Where does Software Analysis fit in?
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- The process used within this course
 - Cf. IREB, IIBA → books
- Recapitulation case “BA wanted”

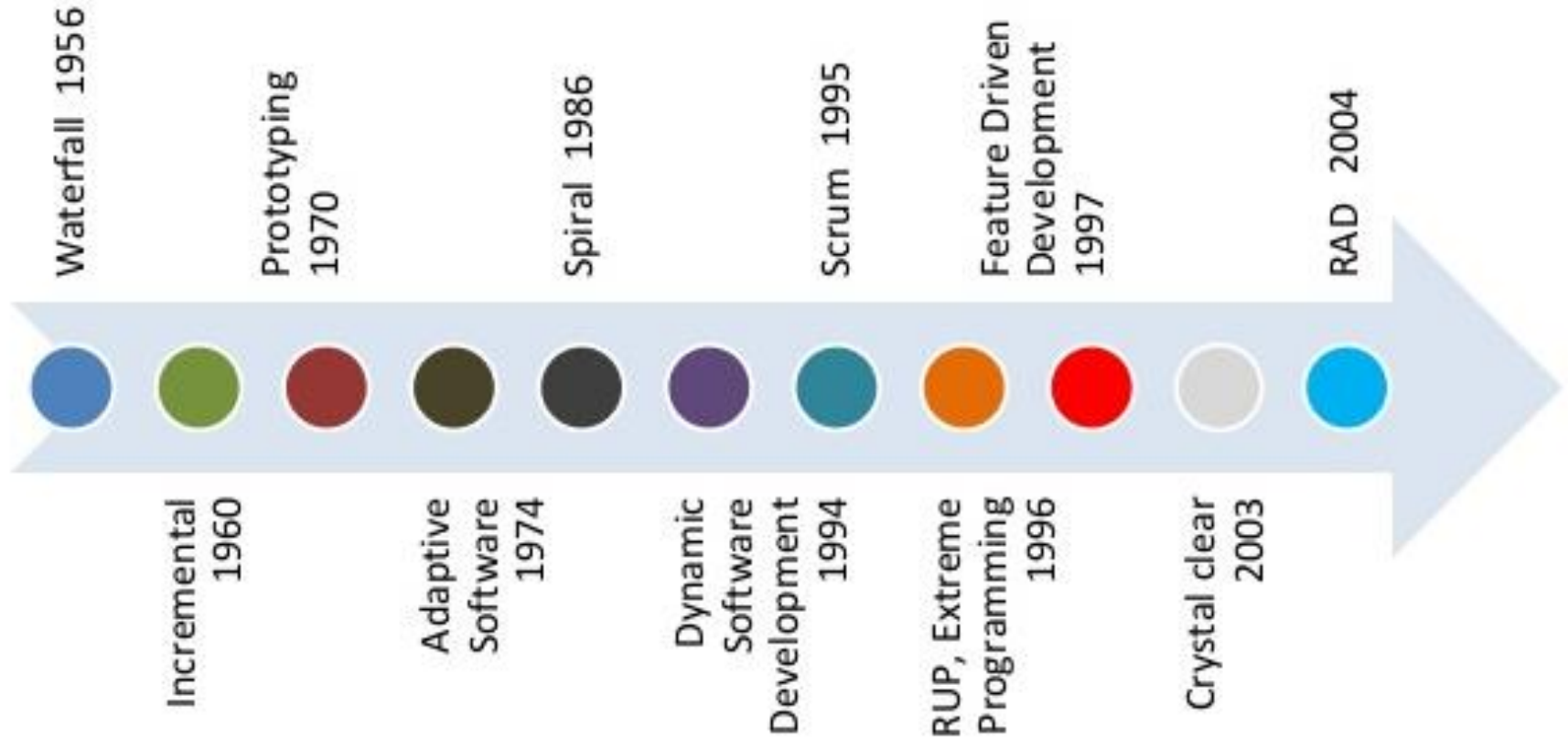




Retrospect of last week ...

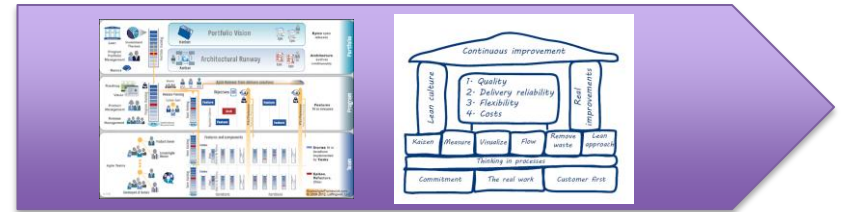


Retrospect of last week ...



Retrospect of last week ...

Enterprise-Scale
Adaptive (Lean & Agile)
Processes



Adaptive
(Agile)
Processes

OpenUP
Crystal
FDD
Scrum
Lean
Kanban
XP
DSDM

Iterative
Processes

RAD
RUP
Spiral

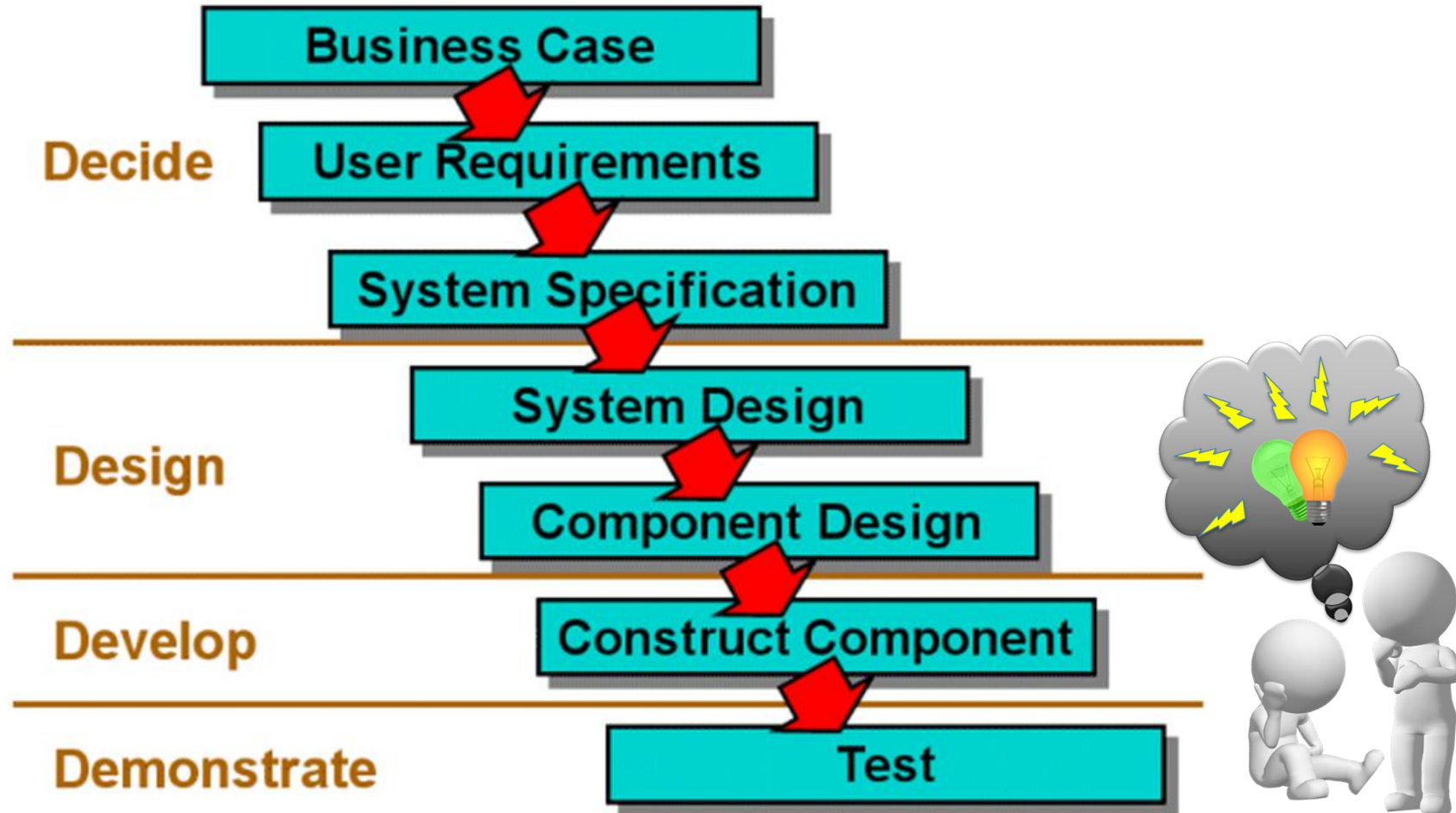
Predictive
Processes

Waterfall
V-model
model



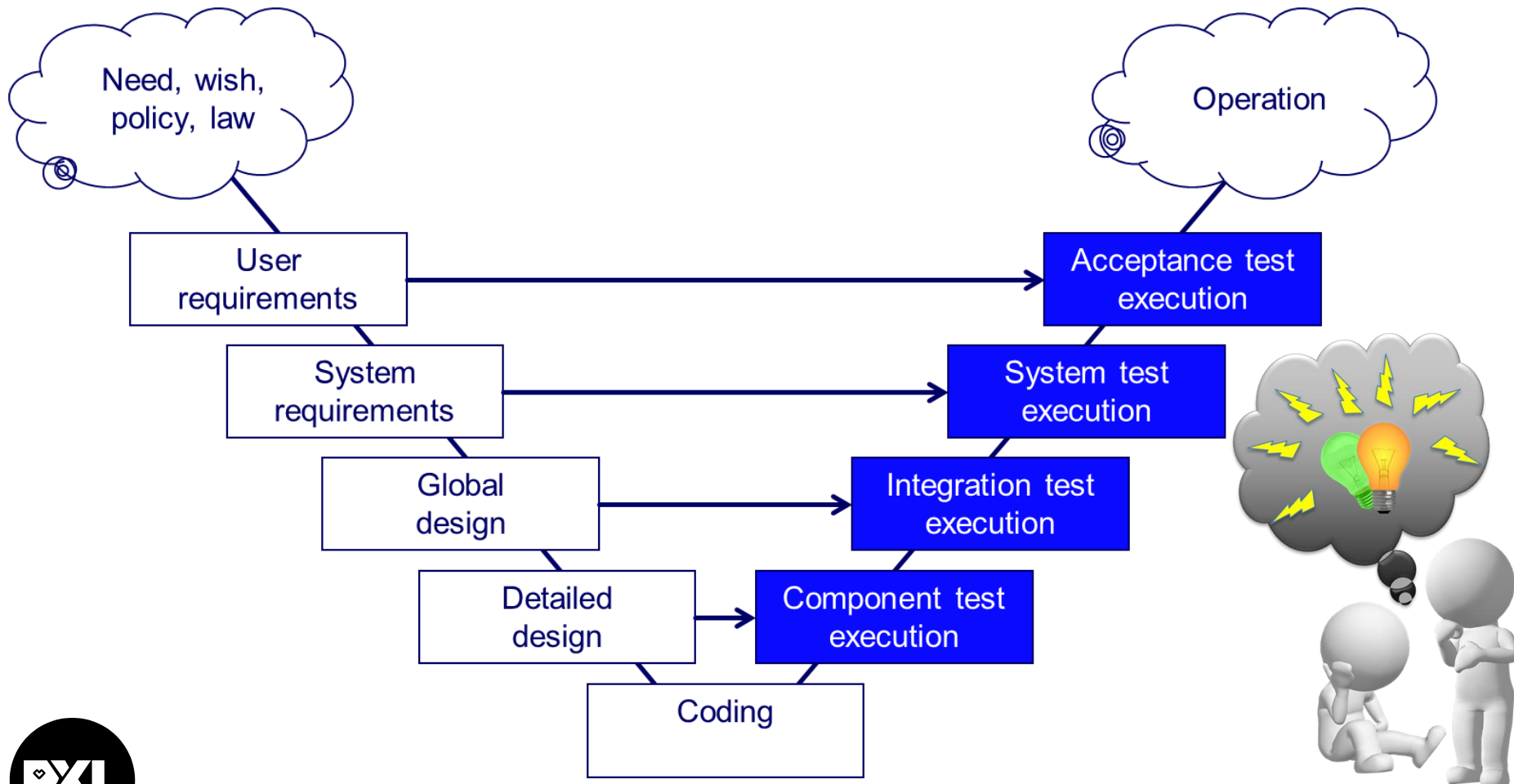
Retrospect of last week ...

- Waterfall - Where does Software Analysis fit in?



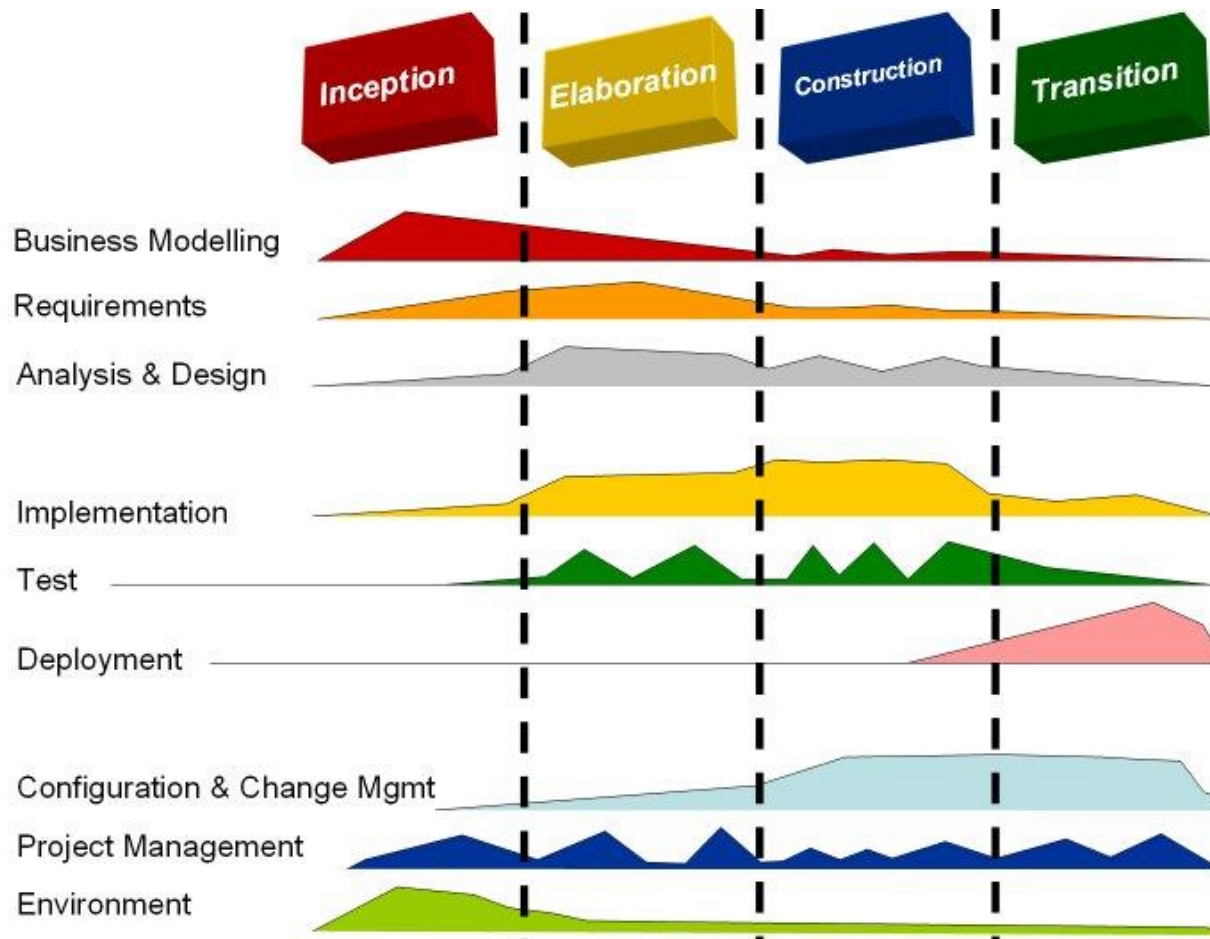
Retrospect of last week ...

- V-model - Where does Software Analysis fit in?



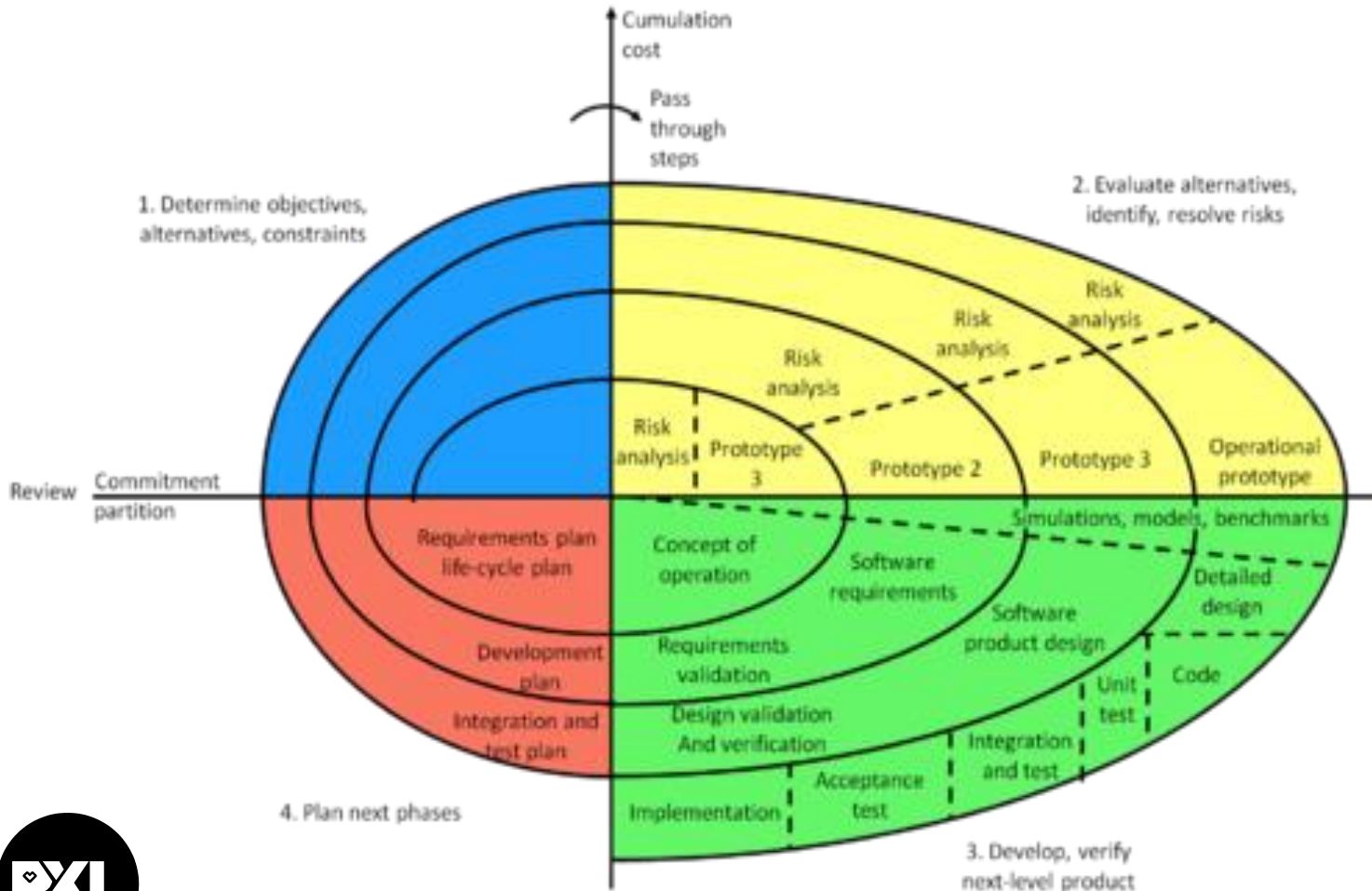
Retrospect of last week ...

- RUP - Where does Software Analysis fit in?



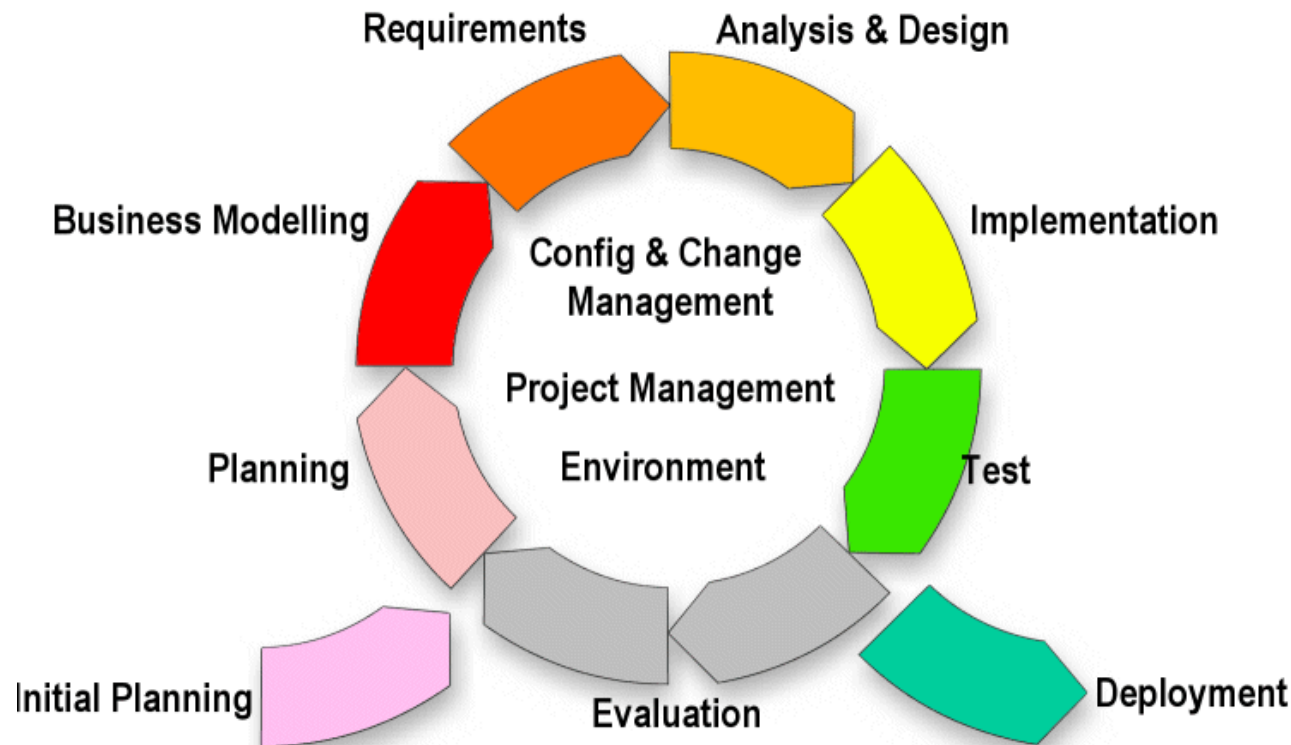
Retrospect of last week ...

- SPIRAL - Where does Software Analysis fit in?



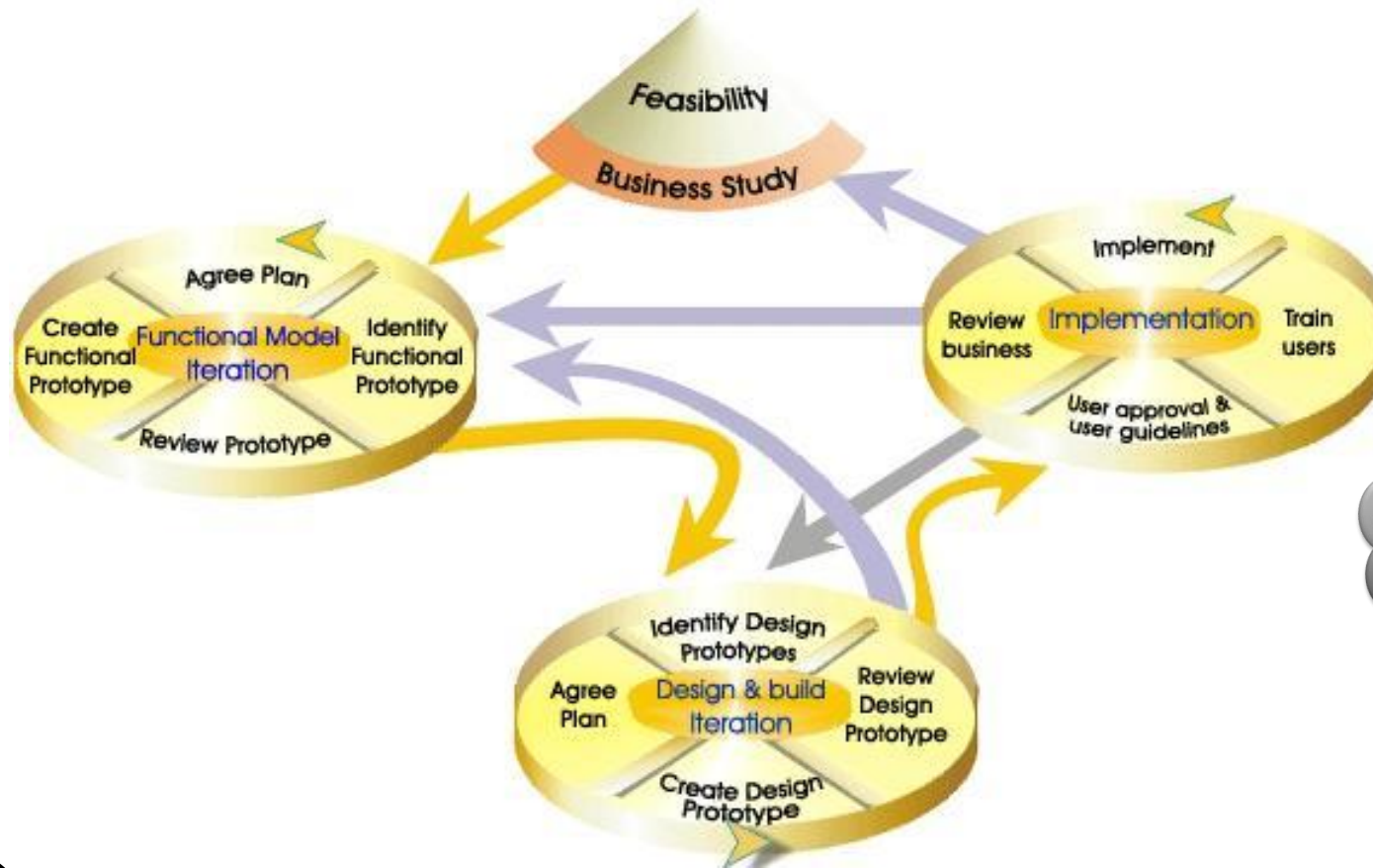
Retrospect of last week ...

- RAD - Where does Software Analysis fit in?



Retrospect of last week ...

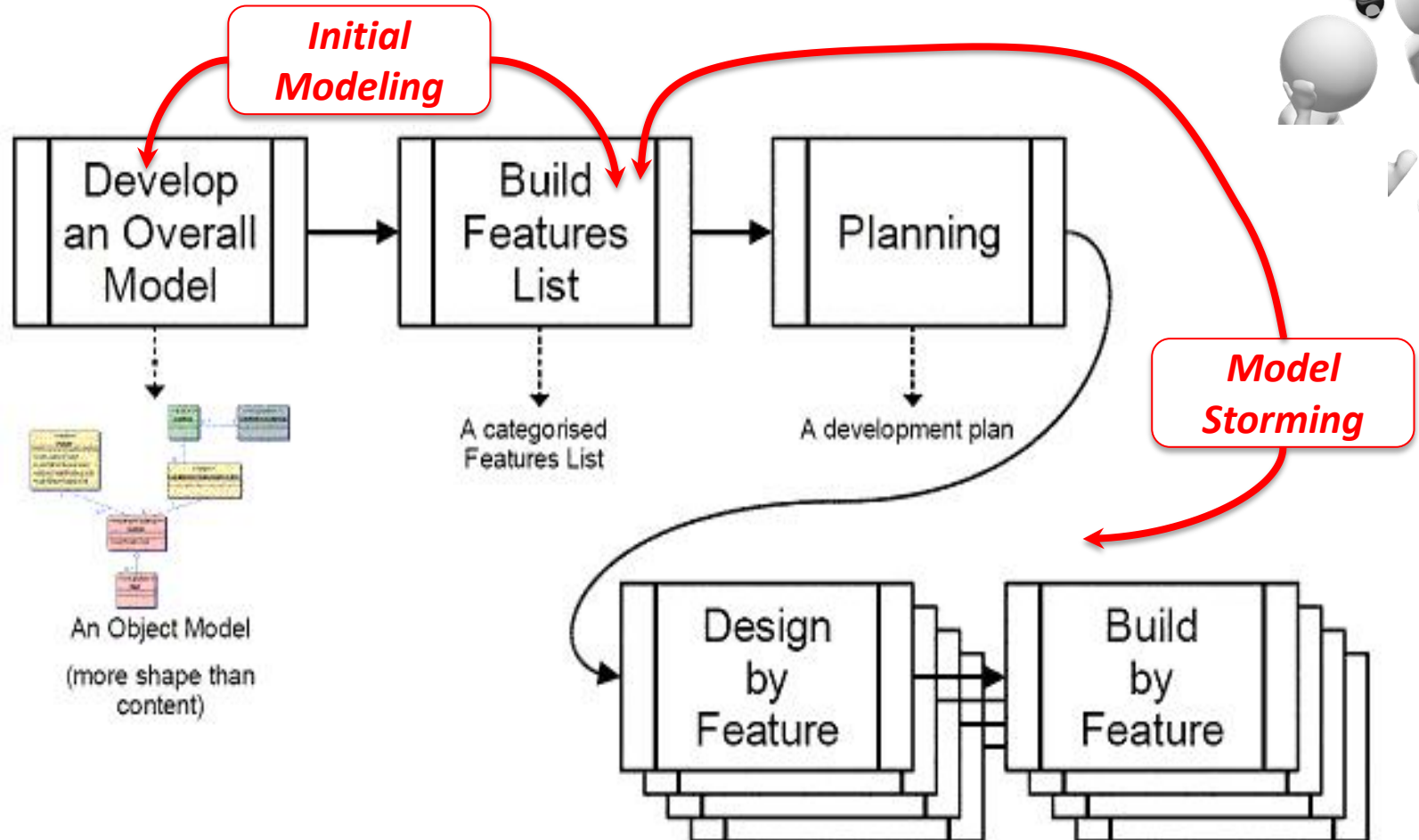
- DSDM - Where does Software Analysis fit in?



Retrospect of last week ...



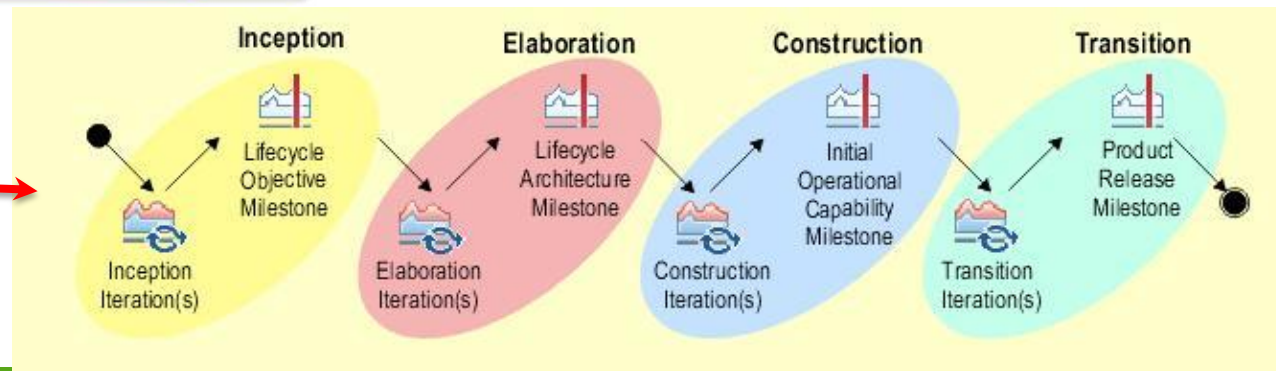
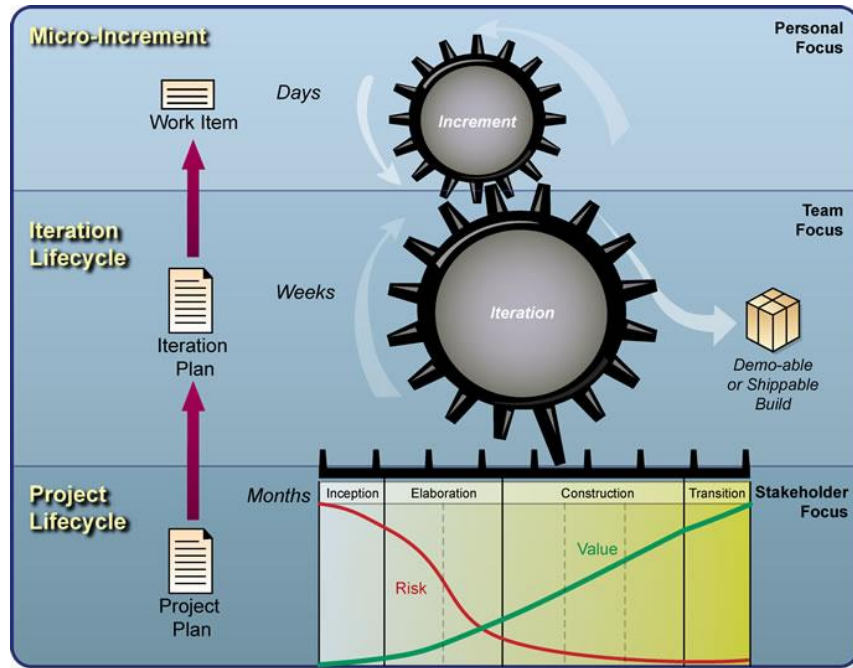
- FDD - Where does Software Analysis fit in?



Retrospect of last week ...



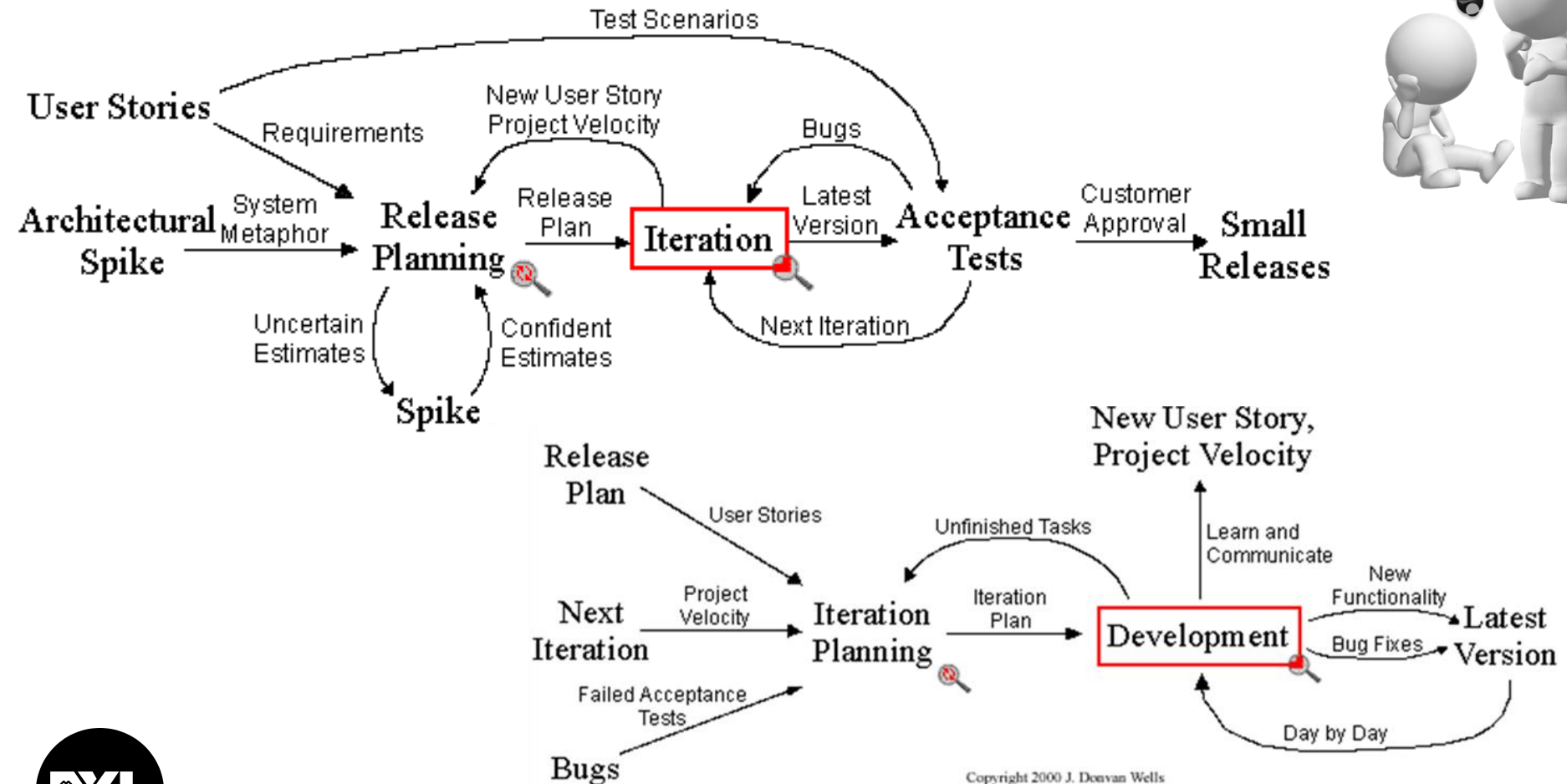
- OpenUp - Where does Software Analysis fit in.



Retrospect of last week ...



- XP - Where does Software Analysis fit in?



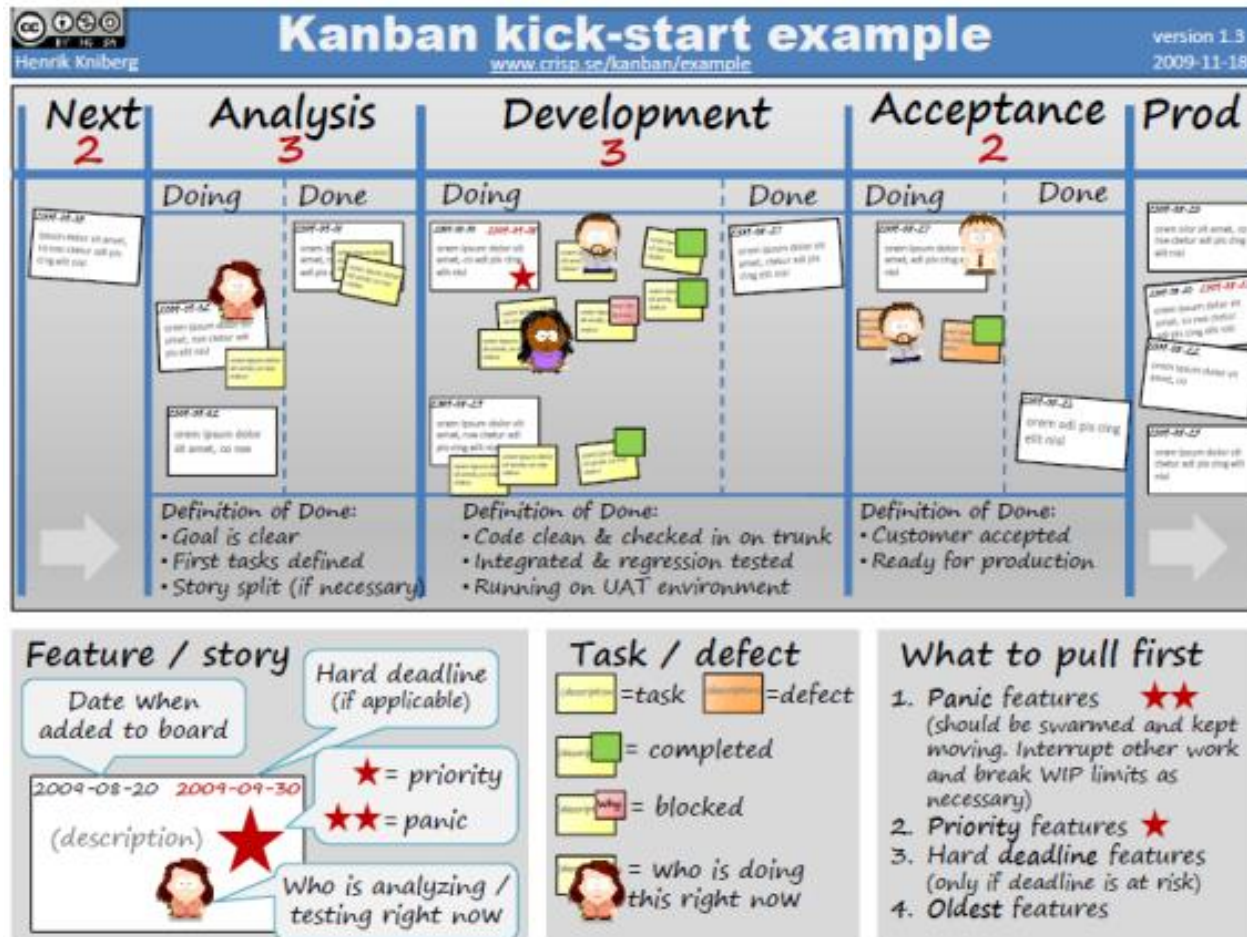
Retrospect of last week ...

- SCRUM - Where does Software Analysis fit in?



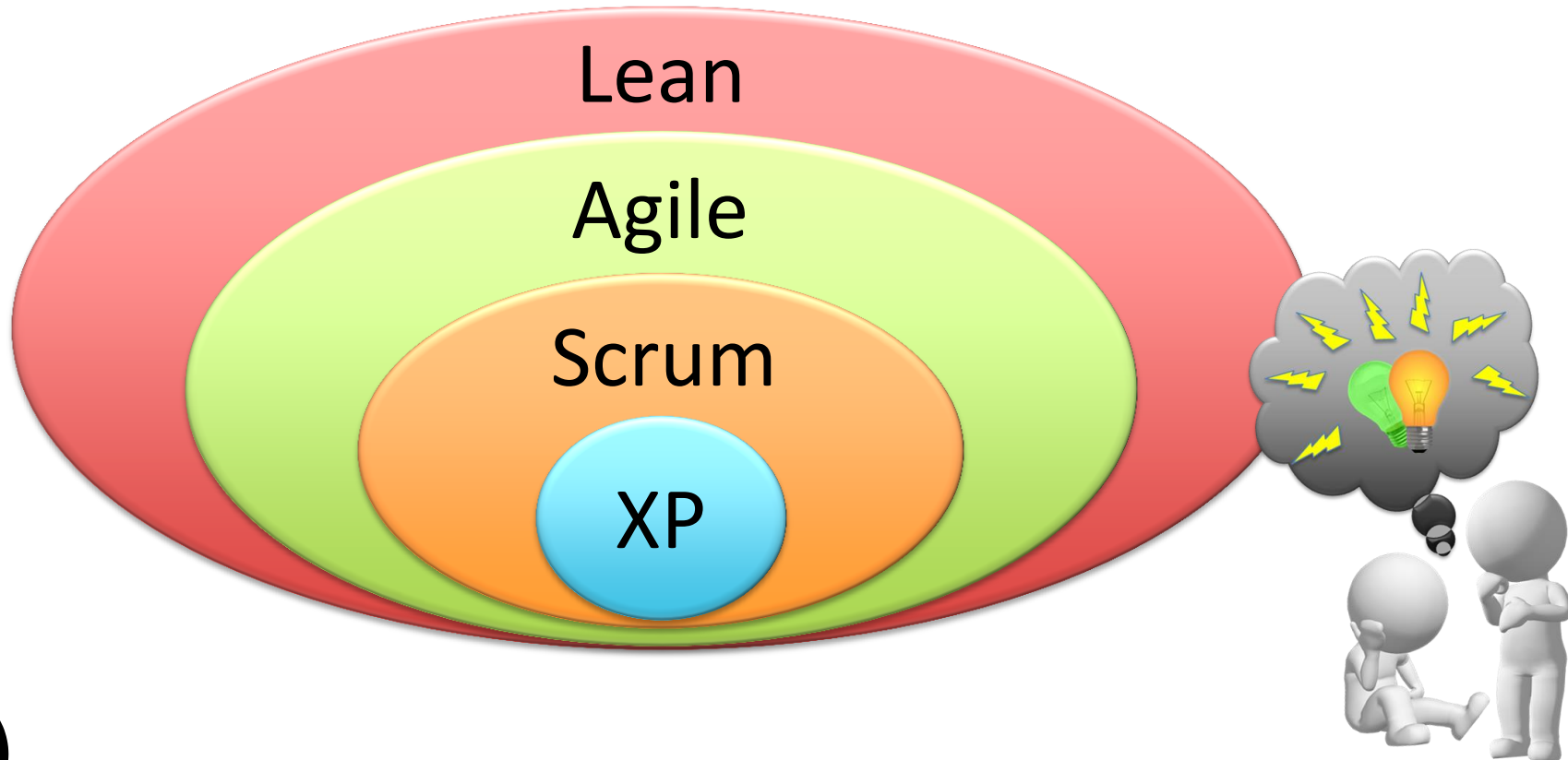
Retrospect of last week ...

- KANBAN - Where does Software Analysis fit in?



Retrospect of last week ...

- Lean - Where does Software Analysis fit in?



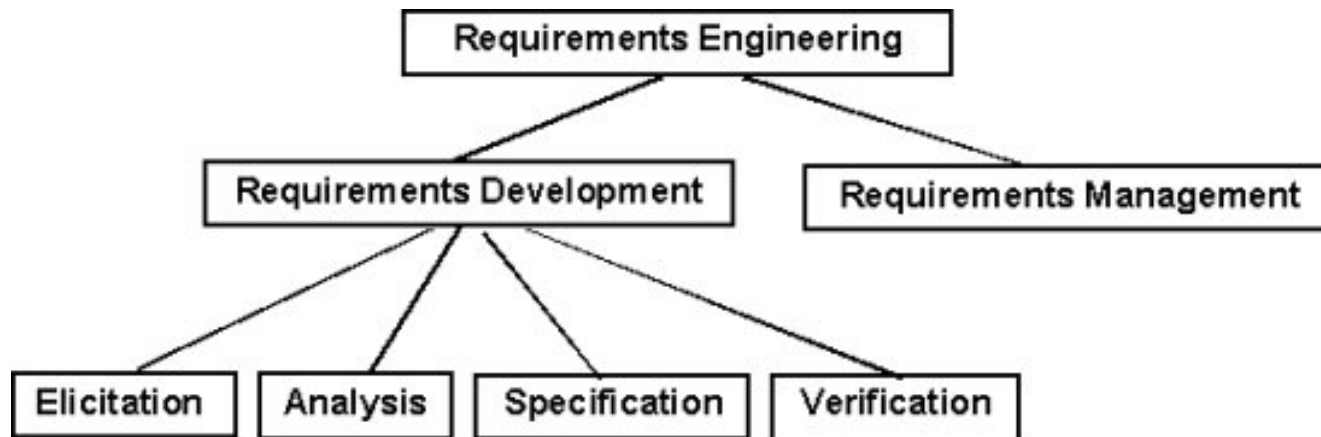
A man in a dark suit and black shoes is walking from left to right across the frame. He is positioned in the lower right quadrant. The background is white with large, stylized white gears. One gear is in the upper left, and another is in the lower left. A horizontal green band runs across the middle of the image, containing the text.

Commonly used requirements processes

blocc2262

Commonly used requirements processes

- Practice, literature → lot of requirements processes.
- A lot organizations in search → unified approach
- Each project, each co-worker chooses own way of working
- Standard Requirements Development Process



Commonly used – process 01

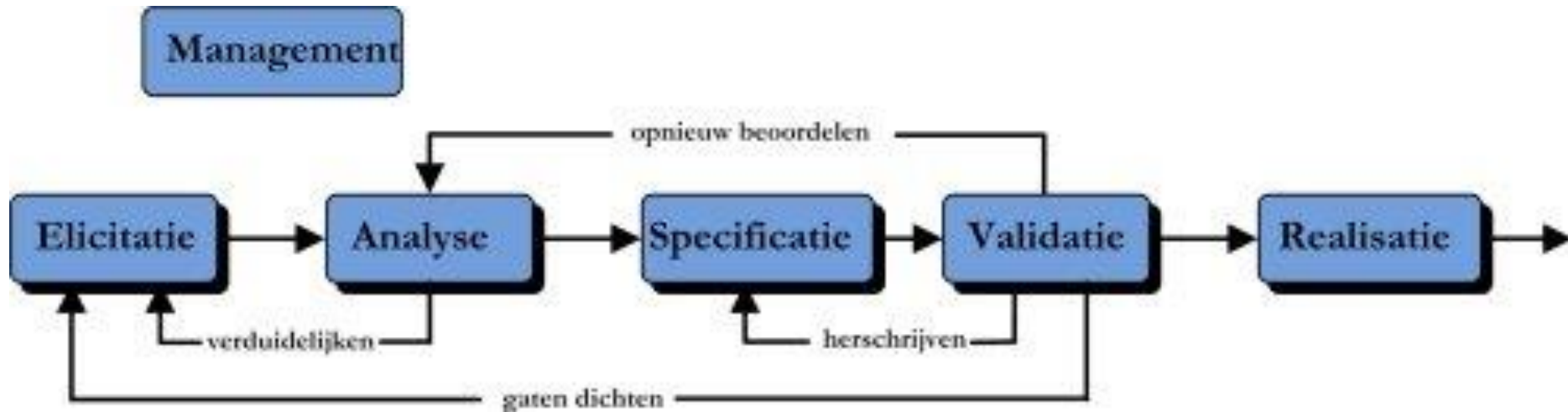


- Unified approach missing - JBF
- Requirements analyst:
 - carry out work at own judgment and aligns it within project. Your personal experiences, preferences play a major role. Within the organization, often large differences and the wheel is sometimes reinvented
- Personal experiences & preferences = BIG ROLE
- Within a same organization ➔ a lot of differences
- ! Reinvent the wheel



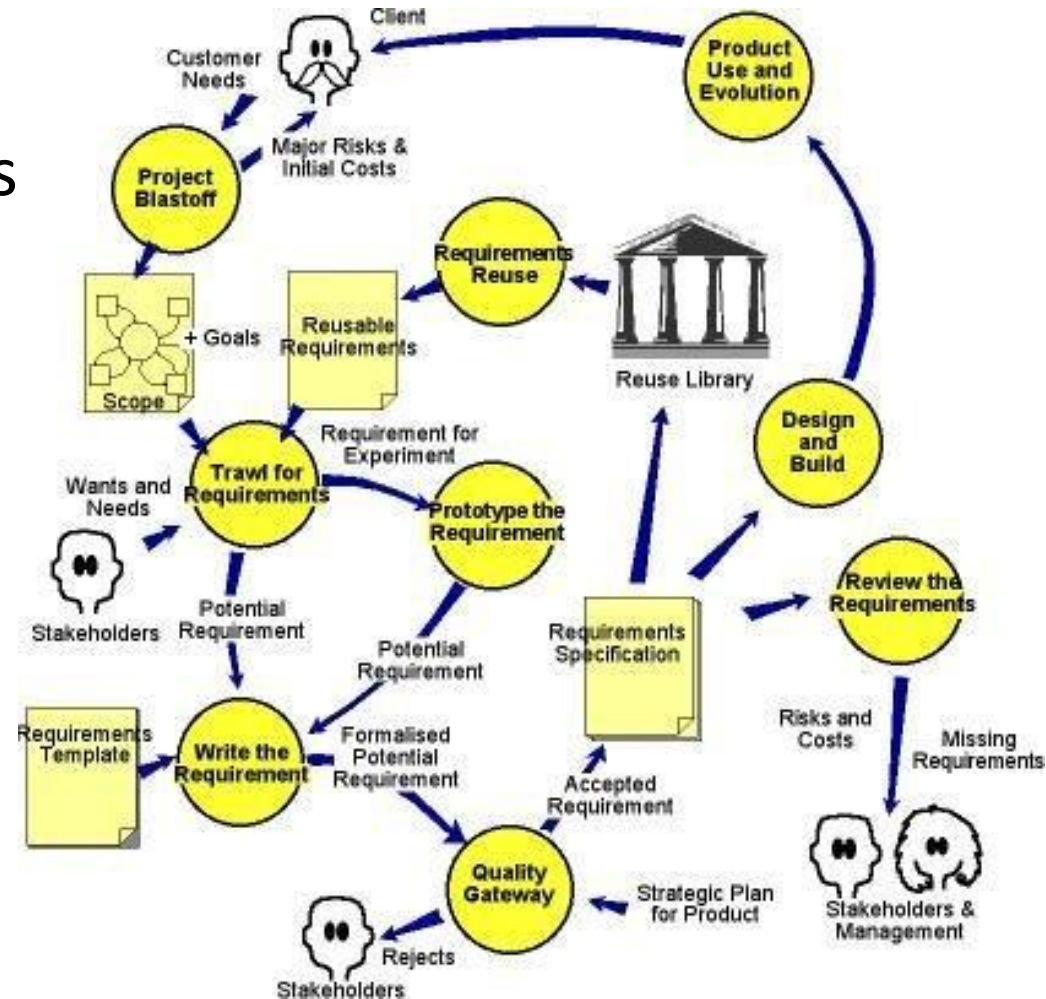
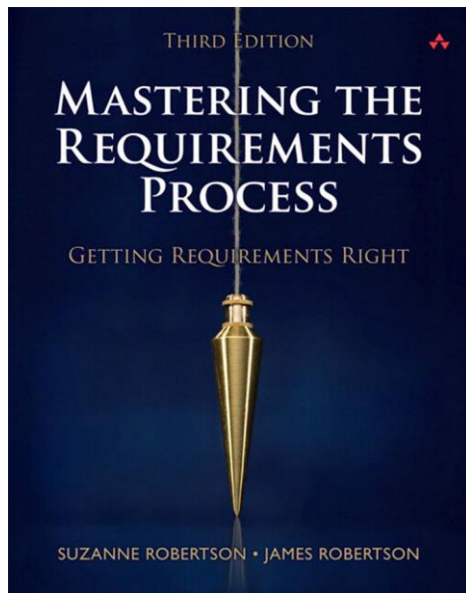
Commonly used – process 02

- Early days → part of requirements development
- Now: used as steps in requirements process
- Steps are iterative



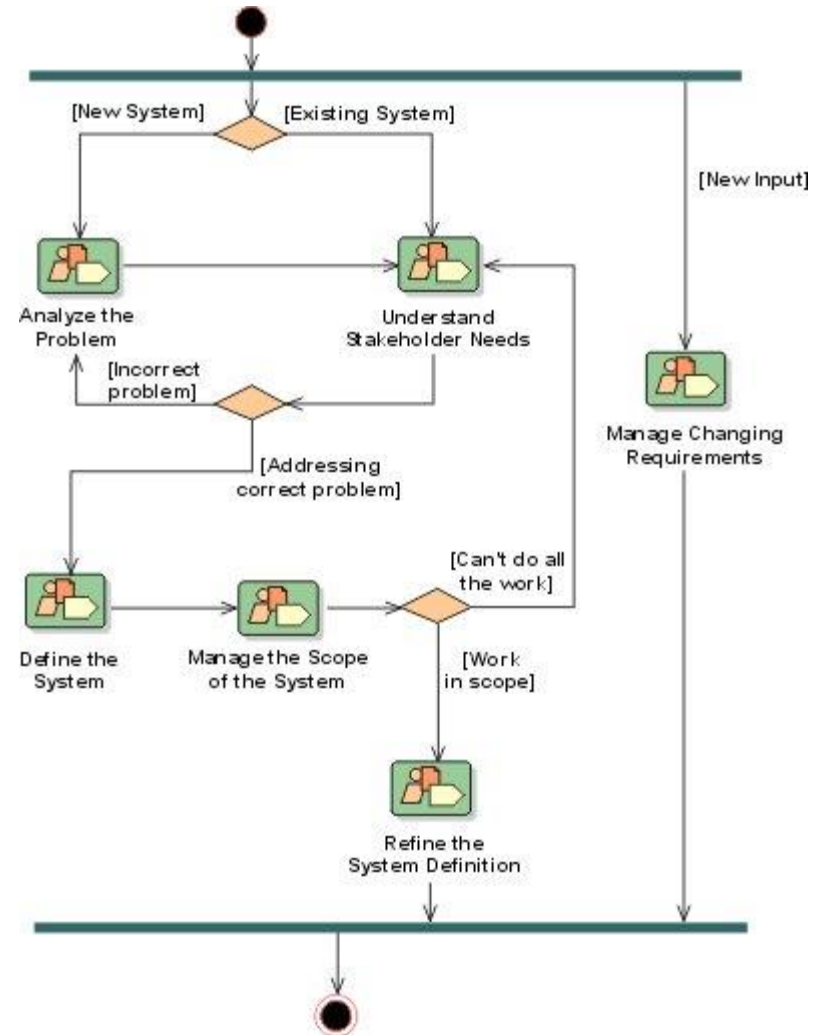
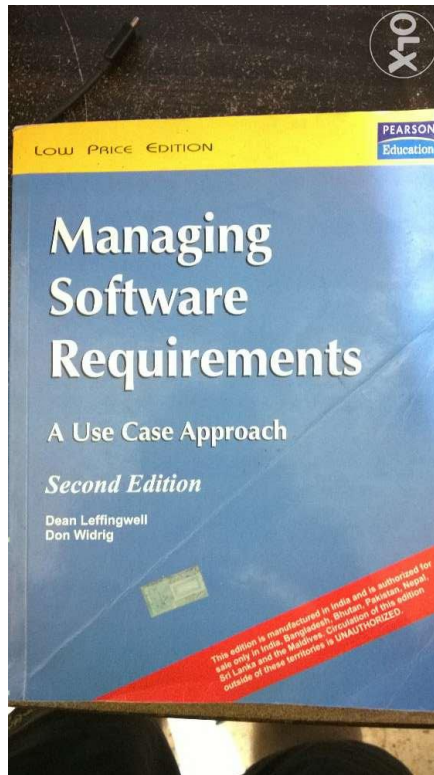
Commonly used – process 03

- Cf. Reader 01
- Volere Requirements process

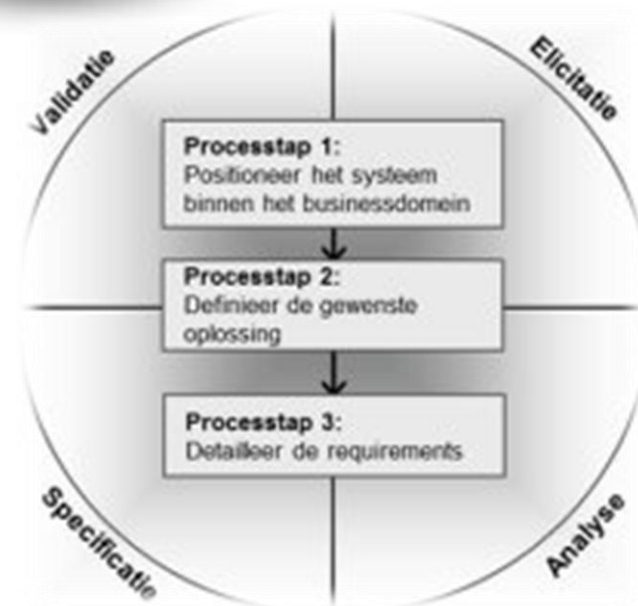
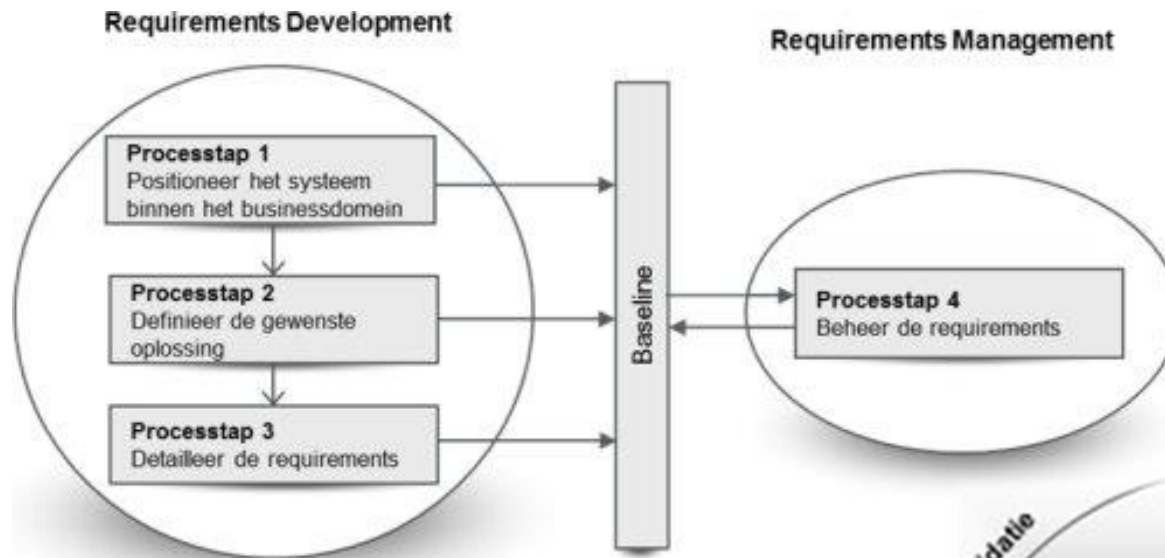


Commonly used – process 04

- Cf. RUP
- RE is 1 of the disciplines!



Commonly used – process 05



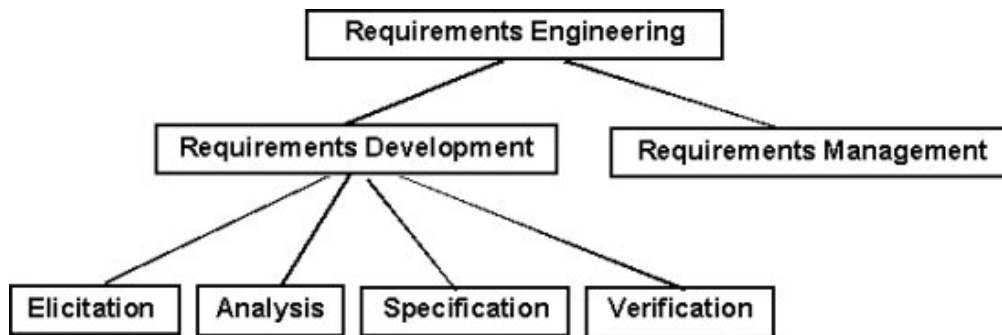


The process used within this course

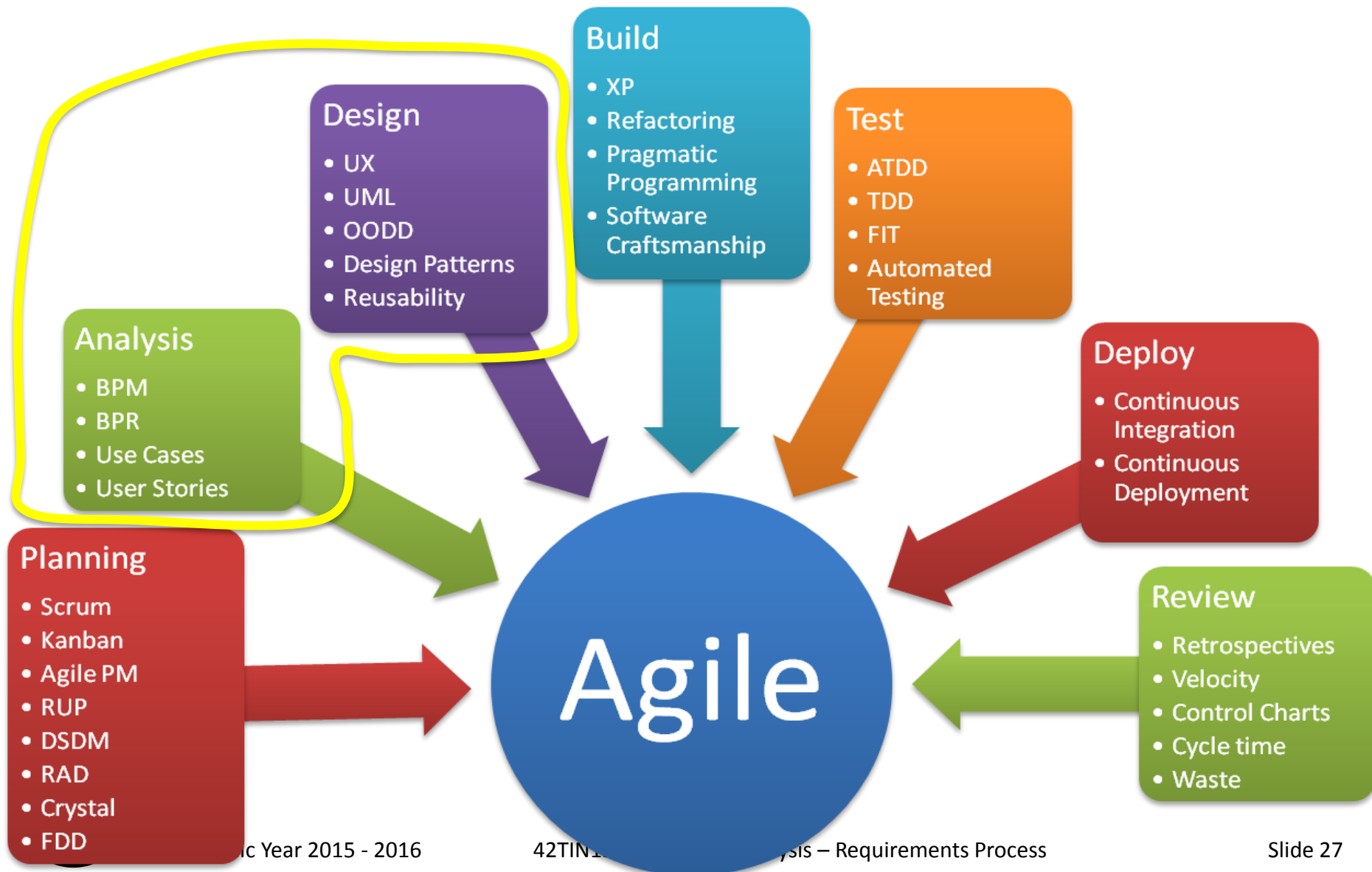


The process used within this course

- 4 main activities for RE
 - Elicitation
 - Documentation
 - Validation & Negotiation
 - Management of requirements



The process used within this course



Requirements Management

- The process of managing **existing requirements** and requirements related artifacts.
- Includes particularly **storing, changing** and **tracing** of requirements.
- Tools?





Recapitulation case “BA wanted”



Recap case “BA Wanted” (1)



- Read the following description.
- As a team, rank the 5 requirements that are most relevant for this case.

A small scale bank is looking for a new business analyst.

This bank has offices in several European countries and its head office is located in the Netherlands. The bank is working with an internet based Bank Information System. The new business analyst will be working in the head office. He/she will be the link between the business and the (IT-)projects and be responsible for the translation from change requests into business requirements and for new projects also for the elicitation of the business requirements.

The bank has adapted the SCRUM method and the business analyst will be participating in the scrum teams.



Recap case “BA Wanted” (2)

	Requirements	Relevant
1	Successfully completed (business) information technology or economics studies	
2	Several years of experience as software developer and project leader /team leader in the area of ERP are desirable	
3	Good system development skills. You master at least one current programming language (ideally .net)	
4	Very good SQL knowledge and experience with MS SQL Servers	
5	Know-how in Web standard technologies such as HTML and XML/XSL/XSLT as well as knowledge in MS server technology ISS and Share Point	
6	Very good skills in the English language	
7	Analytical thinking skills and strength in conceptual areas	
8	Strong orientation to services and consulting	
9	High level of commitment	
10	Sure and convincing attitude	
11	Ability to work under high work pressure	
12	Convincing communication skills	
13	Being able to deal with cultural differences in an adequate way	
14	Testing experience on both system and acceptance level	
15	Domain knowledge of banking processes	



Questions & answers

