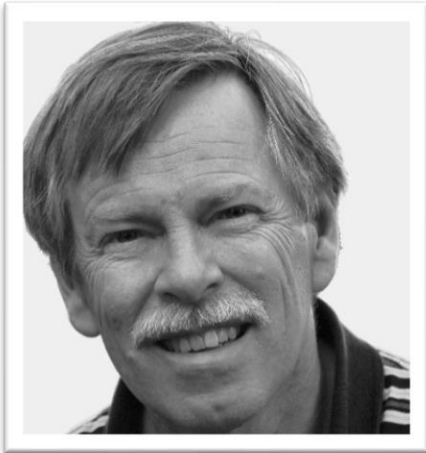


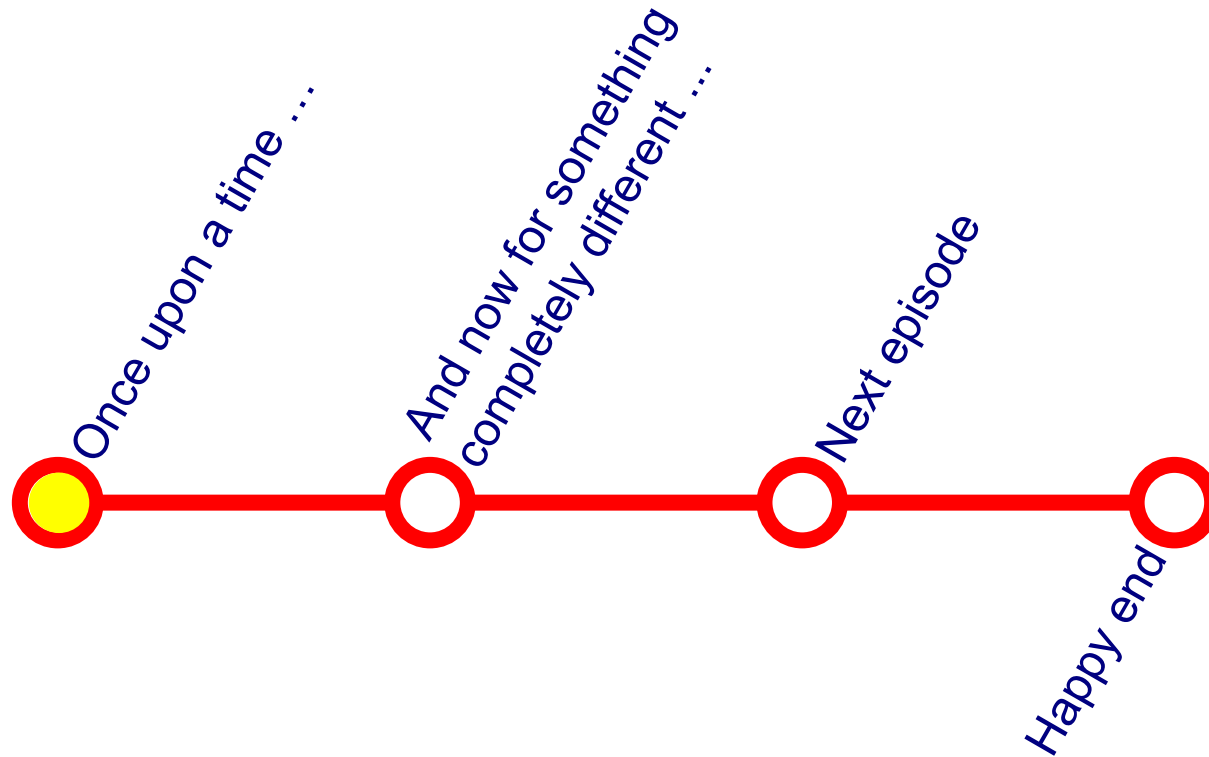
# Pleased to meet you



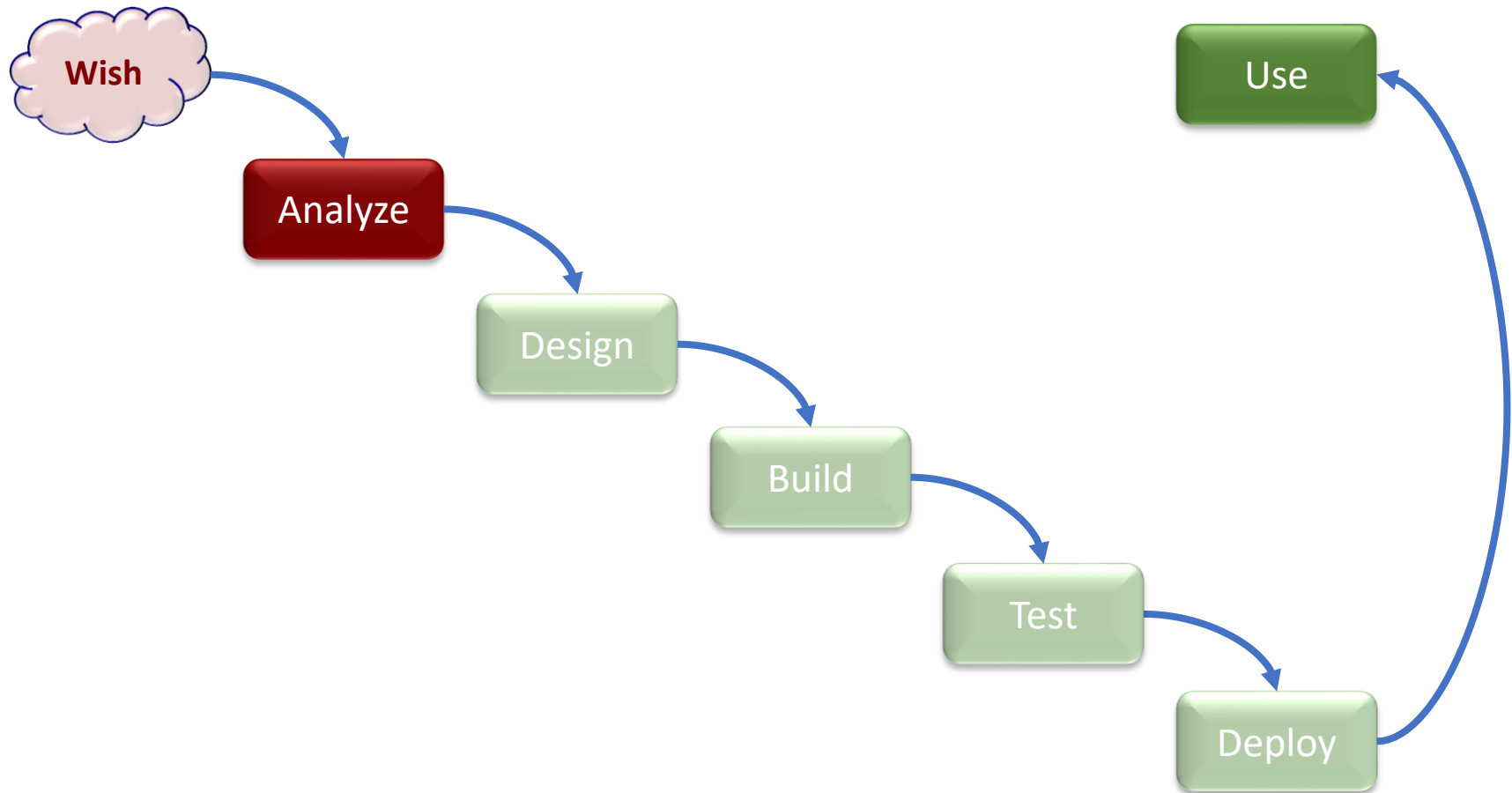
- 35 years ICT, 20 years testing, 5 years RE
- Trainer | coach | consultant
  - Taraxacum, the Netherlands
- Member of the International Requirements Engineering Board (IREB)



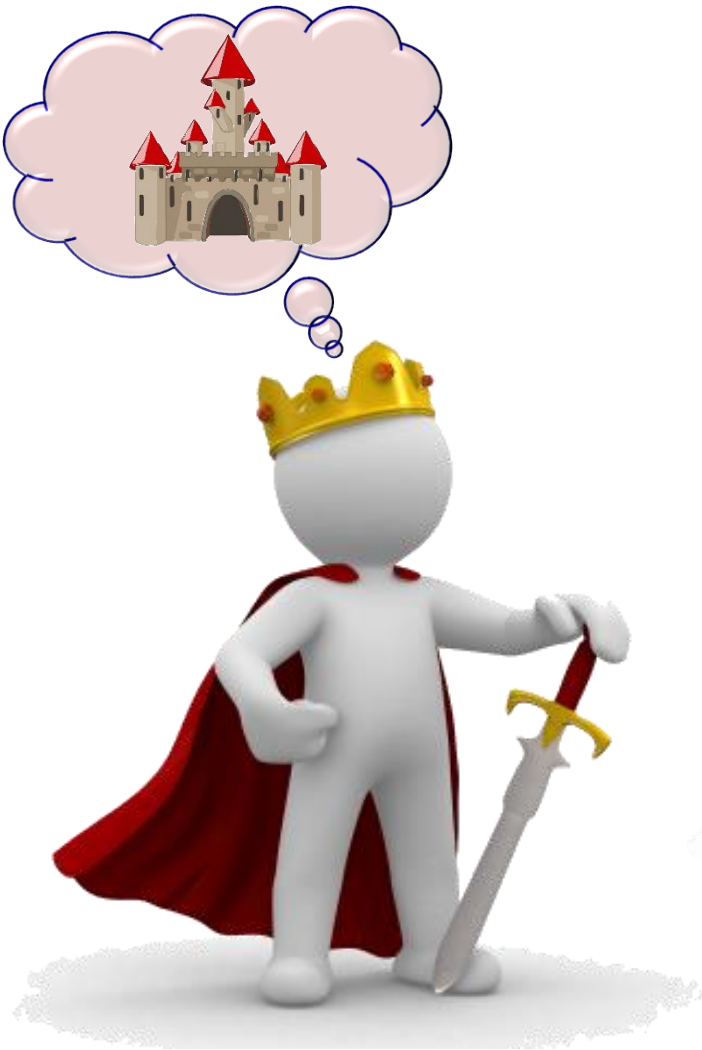
[hans.vanloenhoud@ireb.org](mailto:hans.vanloenhoud@ireb.org)



# ... we developed by the waterfall



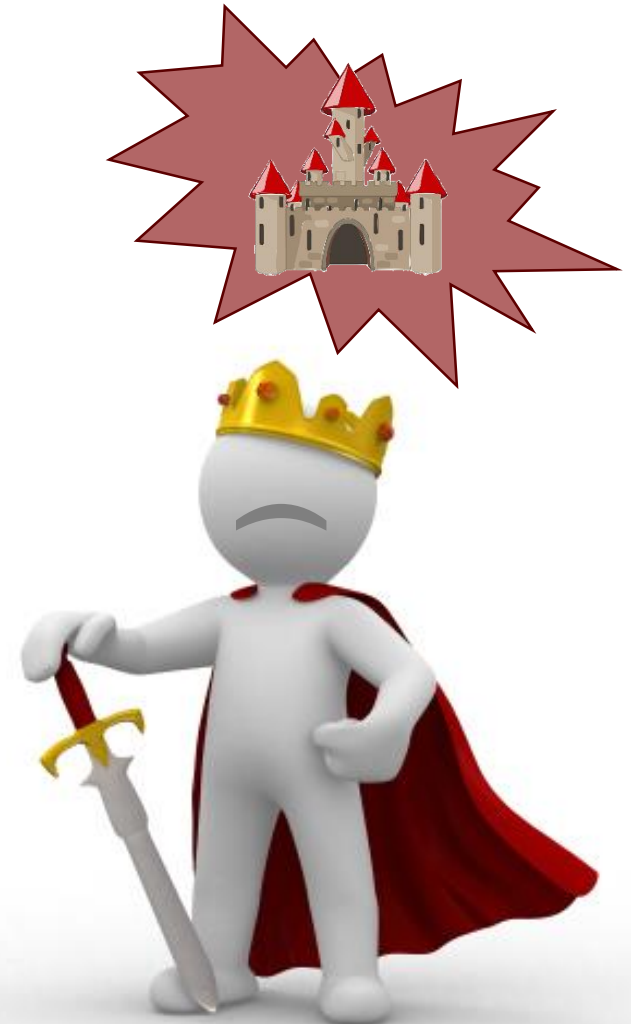
# Collecting requirements



# Using requirements



# Sorry for that ...





# Old school

*Client asks for system*



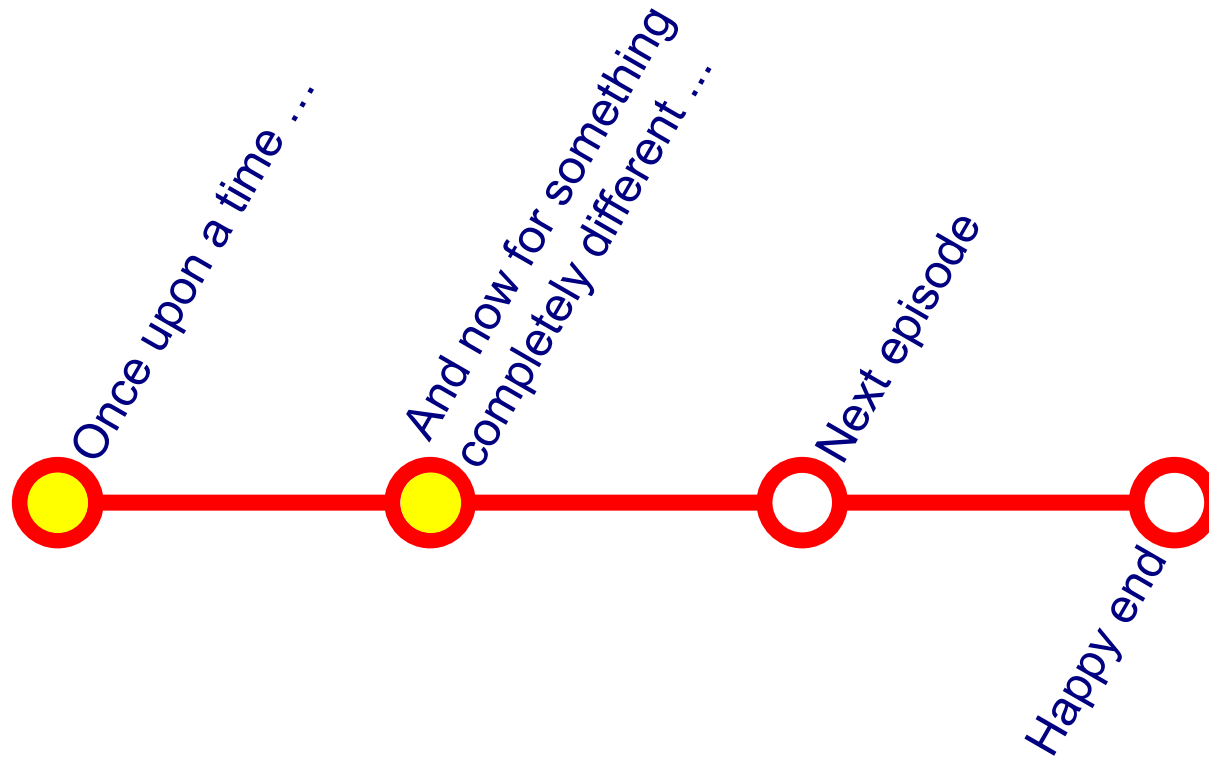
*RE collects requirements*



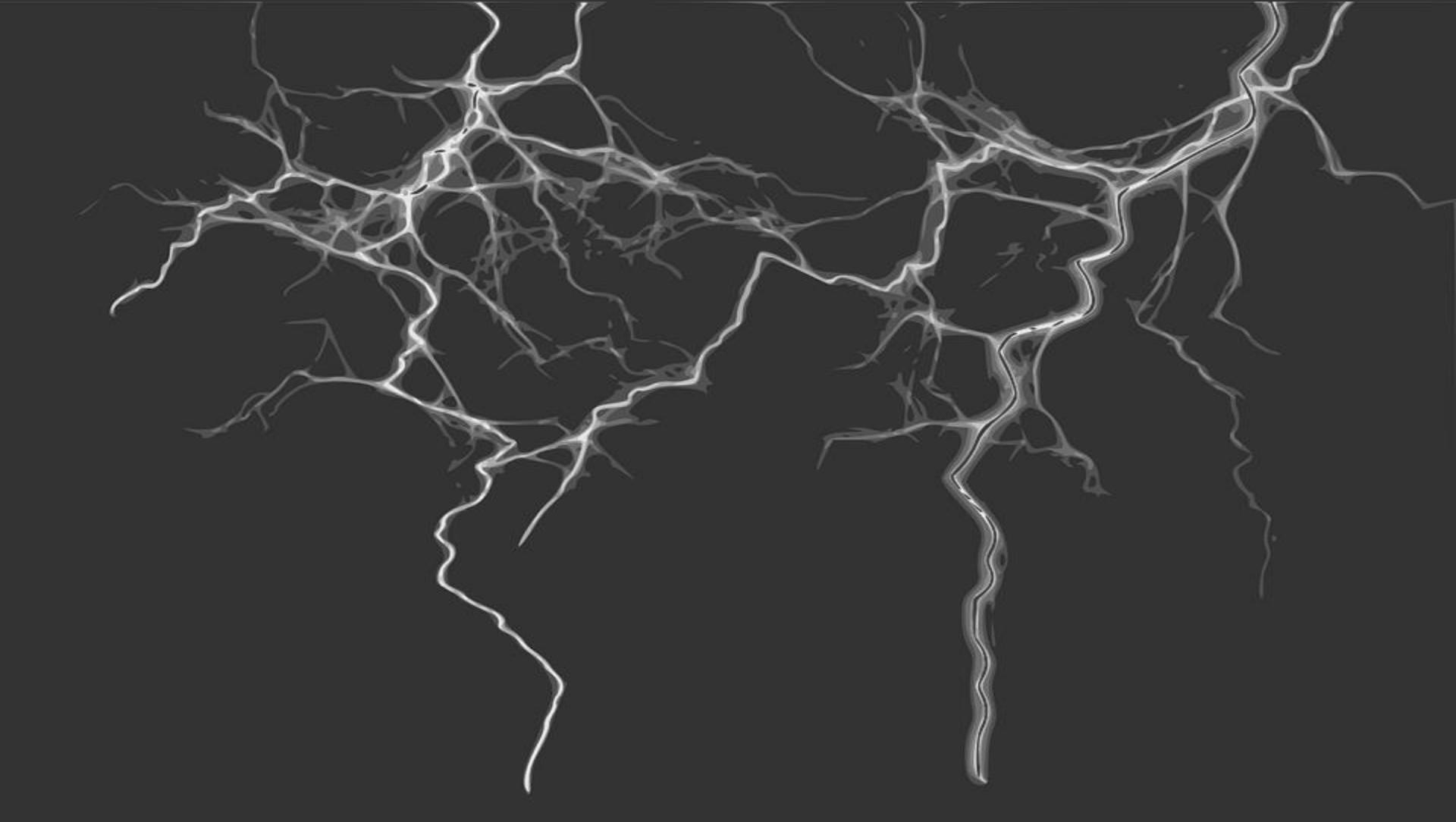
*Project builds system*



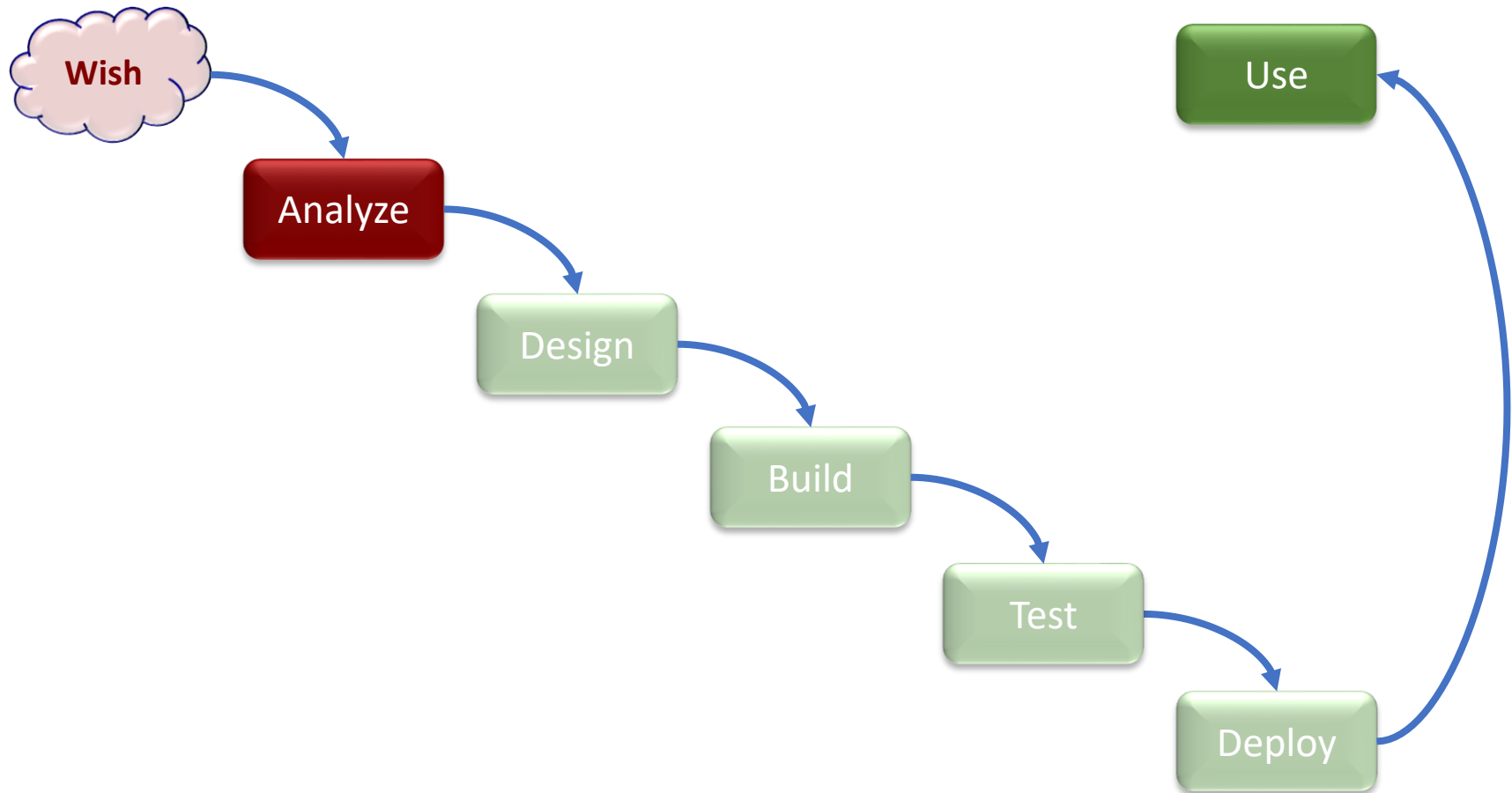




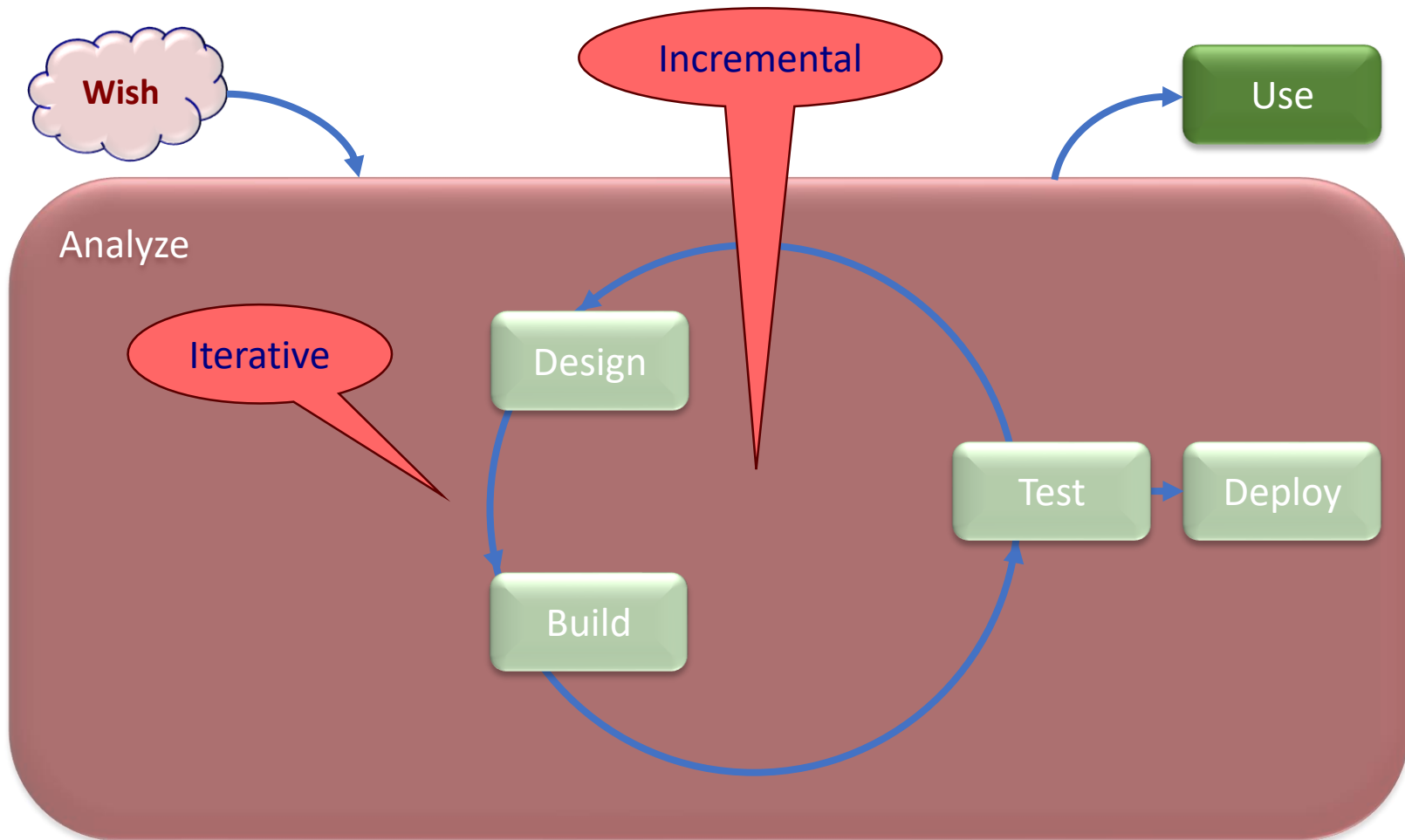
# The Agile storm!



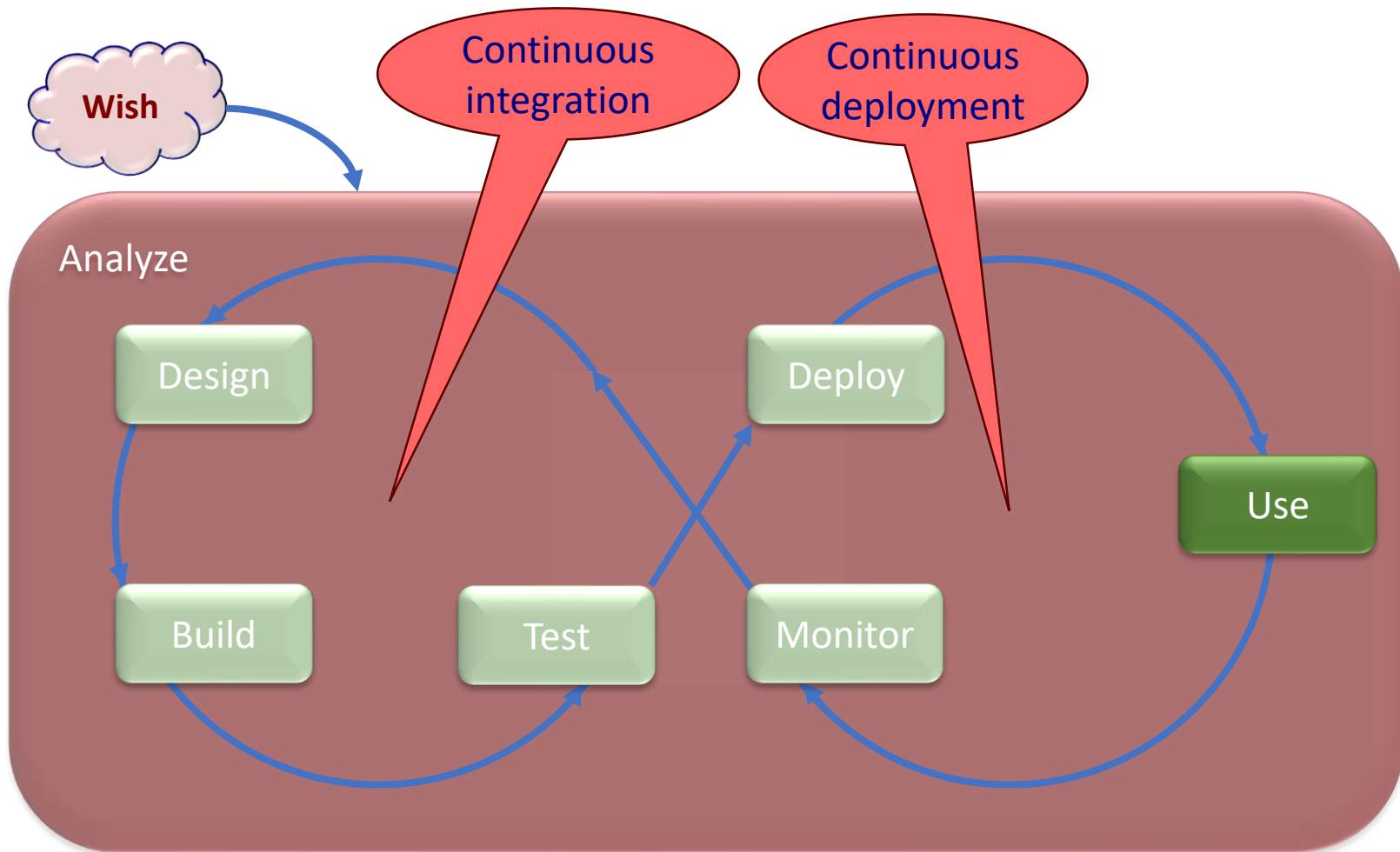
# From the waterfall...



# ... to Agile



# ... to DevOps



# Requirements? Just ask the Product Owner!



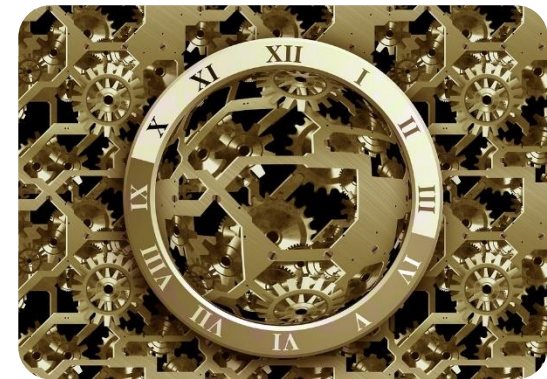


# The Product Owner

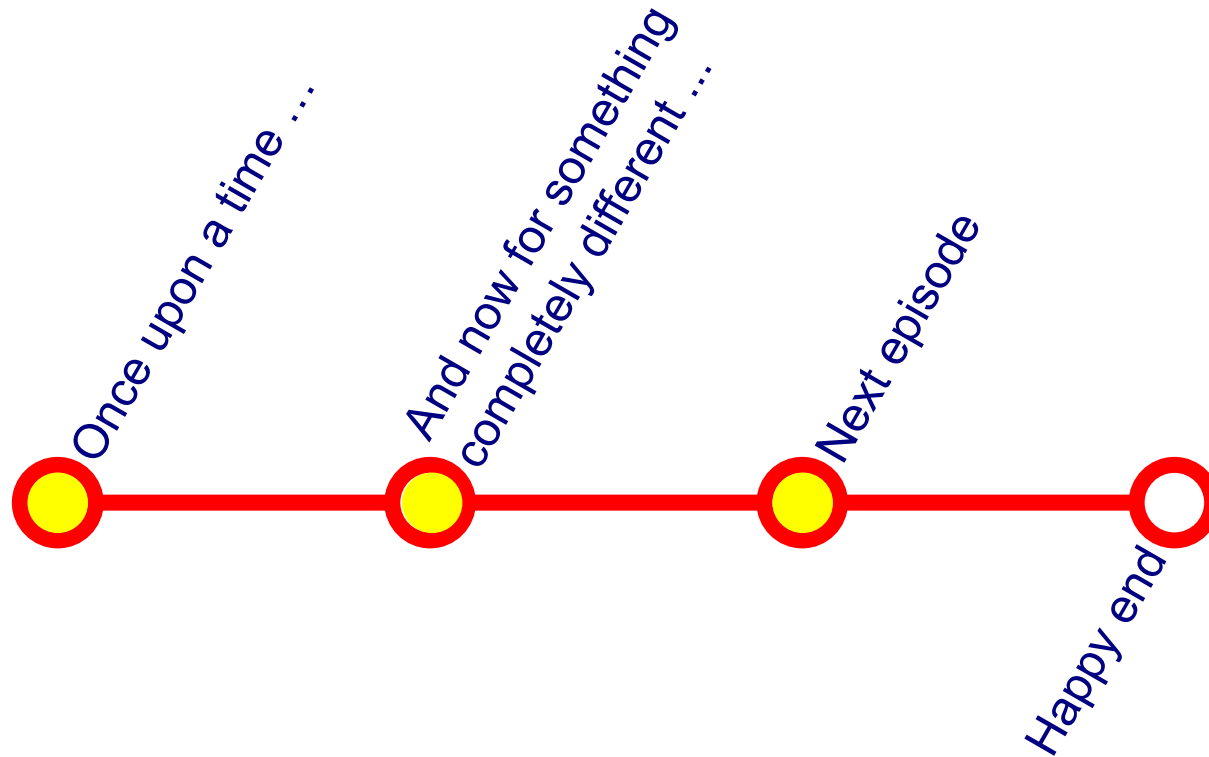
- Comes from the business
  - Has a **management** role there
  - Is **full-time** assigned to the project
- Represents the business
  - Not just his own department, but the **whole** business
  - Knows **all** ins and outs of **all** stakeholders involved
- Is an **expert** in his profession
  - And knows **everything** about it
    - ❖ Design, programming, testing, operations, maintenance
  - And about the **Agile** way of working
- ... so he is also an expert on **requirements**
  - and he is **responsible** for the product backlog



# Four common misunderstandings about requirements in Agile



"Only working software counts"



# RE into the future

- From **requirements** engineering  
to requirements **engineering**
  - From **descriptive** to **creative**
  
- RE to create business value by providing solutions
  - Participate in projects creating IT-systems that effectively support the needs of the clients
    - ❖ Analyze the whole **landscape** of problems and goals in their context
    - ❖ Design **solutions** and help clients to choose from them
    - ❖ Work as a team member to **define and refine** the requirements for the chosen solution

# The landscape of problems and goals





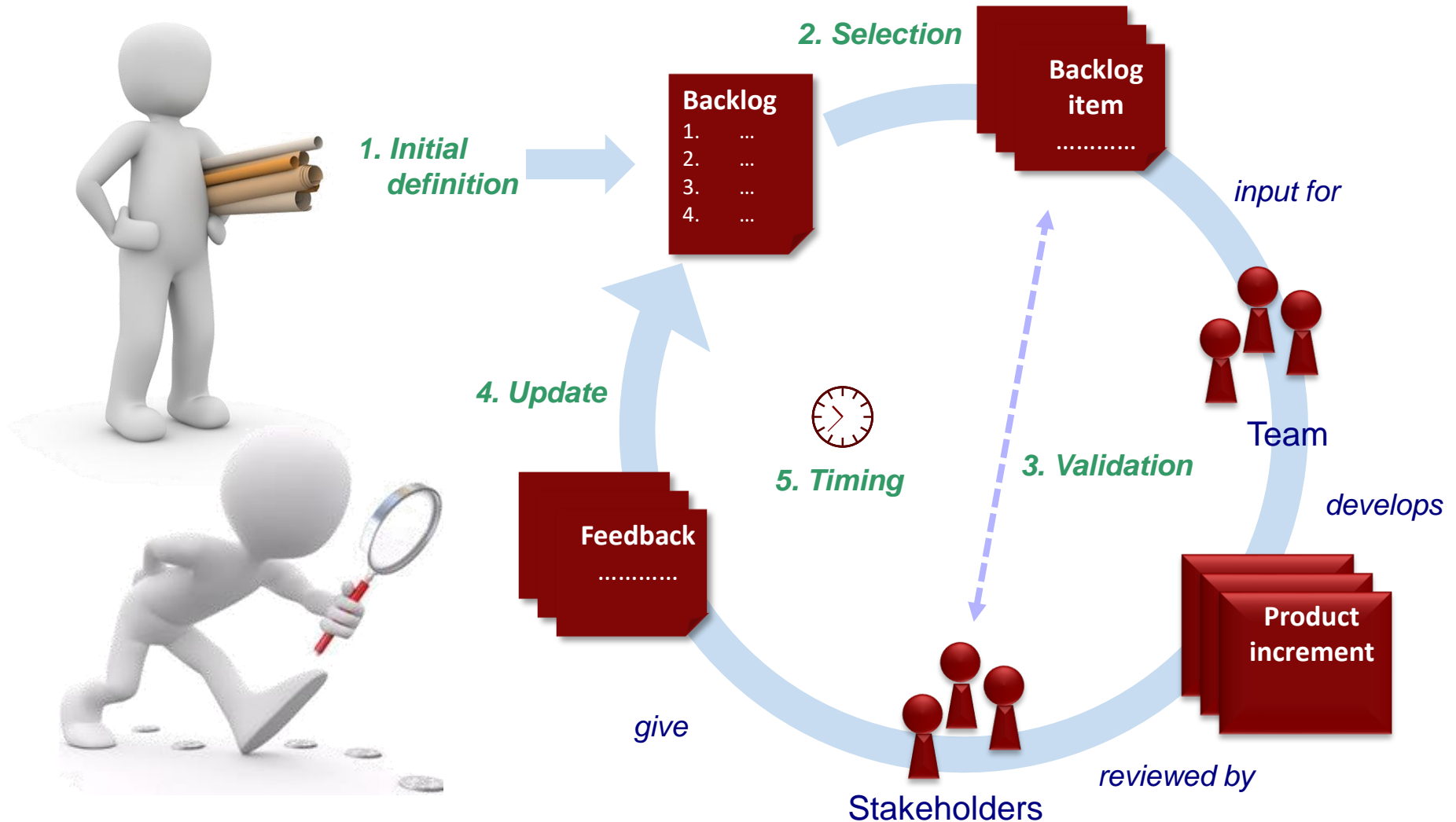
# Solutions for relevant P/G pairs



# Let the client choose



# Continuous Requirements Engineering



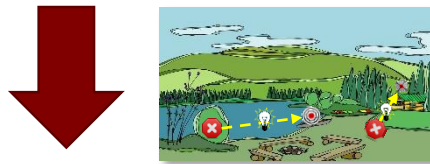


# New school

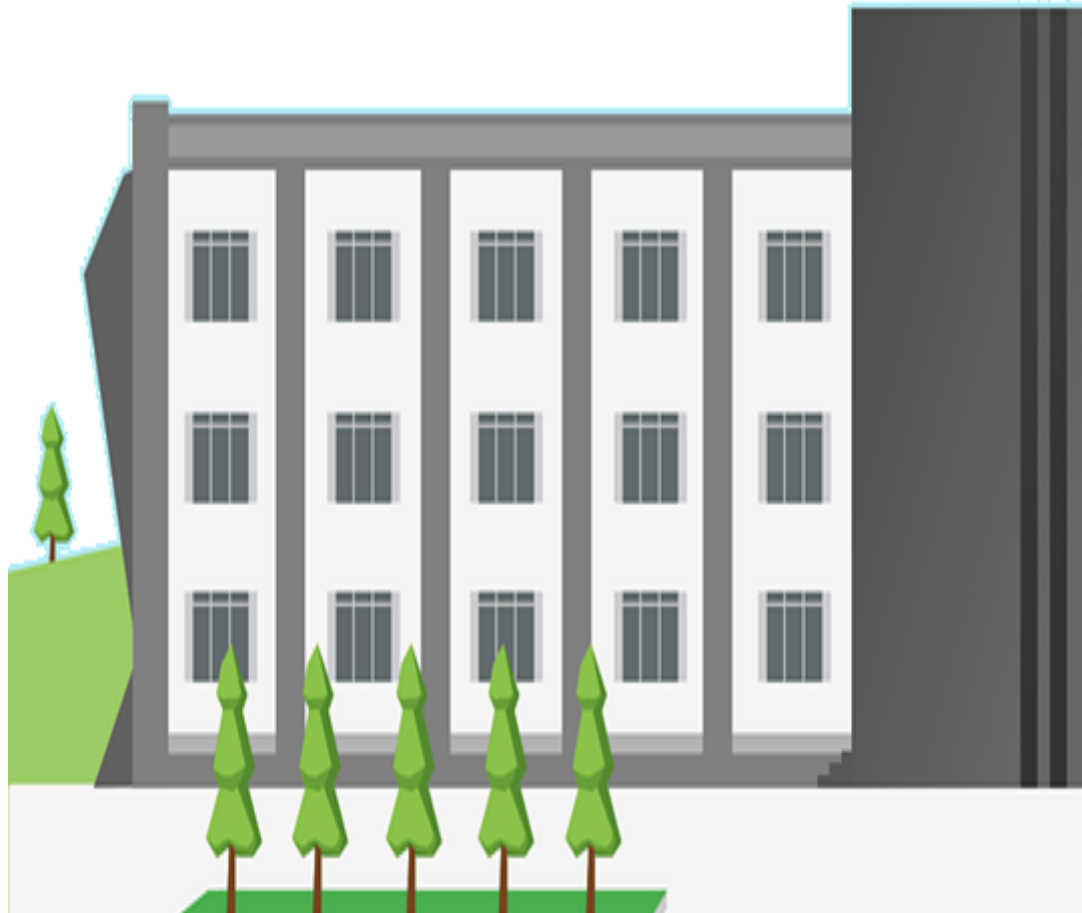
Client asks for help

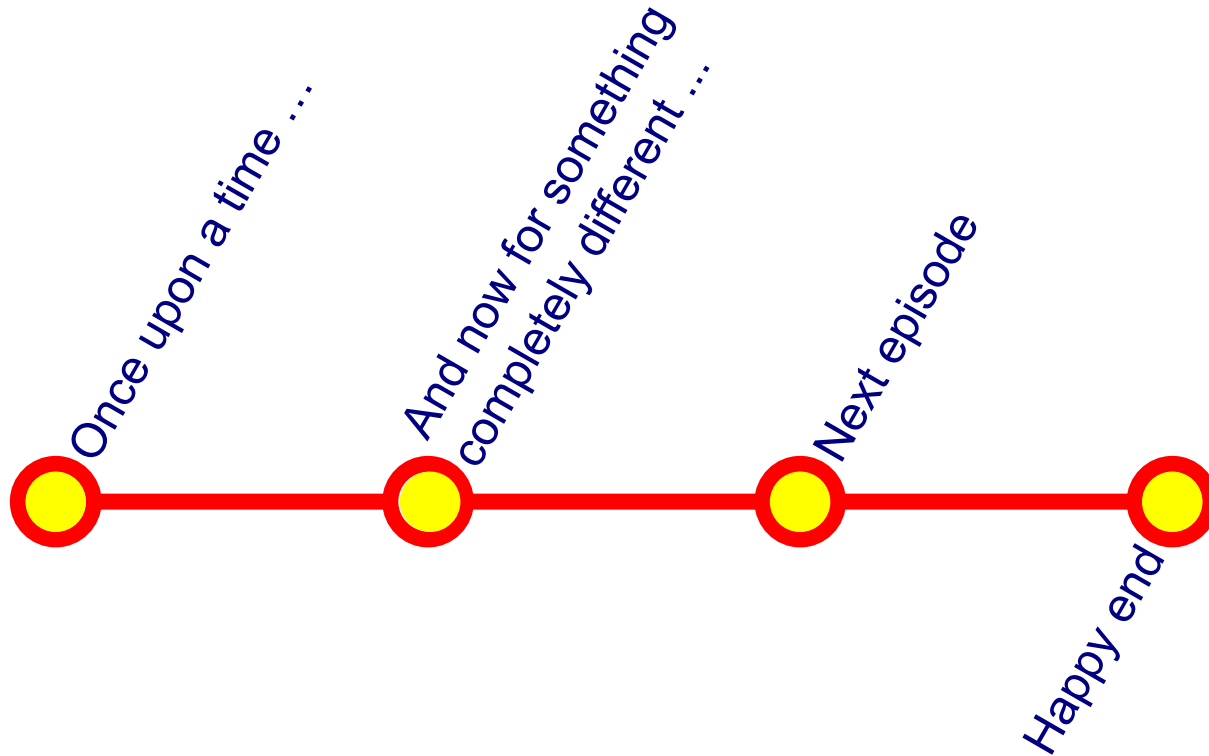


RE analyzes context  
and proposes solutions

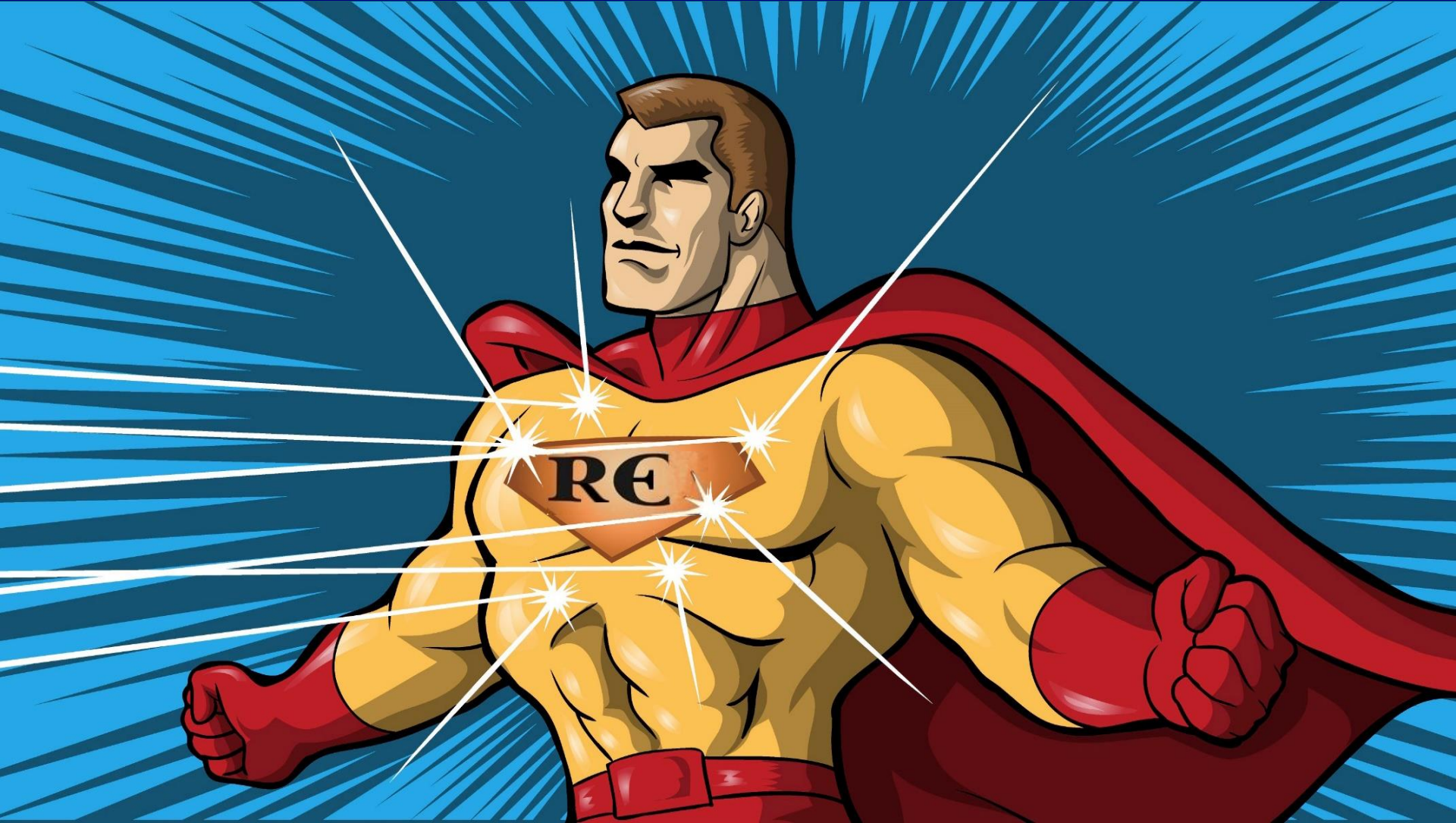


Project builds chosen solution





Requirements:  
too important to leave them to the PO



Over the years, we have developed requirements as a cornerstone for the delivery of successful IT-systems. Through this work we have come to value:

*While there is much value in the basic factors on the right,*

**Genuine empathy** over  
techniques, models, and templates

**Creative solution design** over  
comprehensive elicitation

**In-time elaboration** over  
upfront specification

**Shared understanding** over  
proper documentation

*we recognize that the success factors are on the left.*