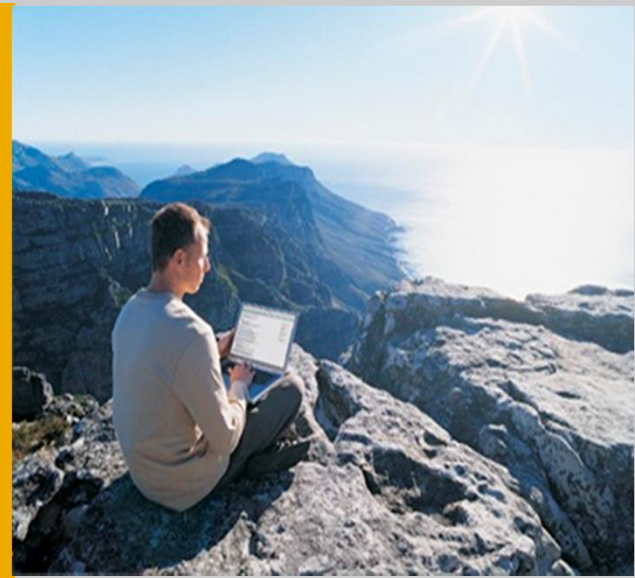


Bevezetés az SAP fejlesztés rejtelseibe

Az SAP szofverfejlesztési módszere



Illés Péter
SAP Labs Hungary
2012. március 26.

We would like to create customer value!

The Problem Space is...



How the customer explained it



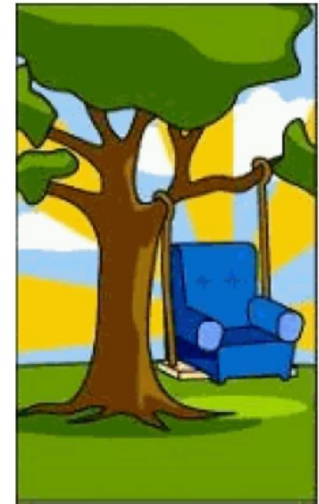
How the project leader understood it



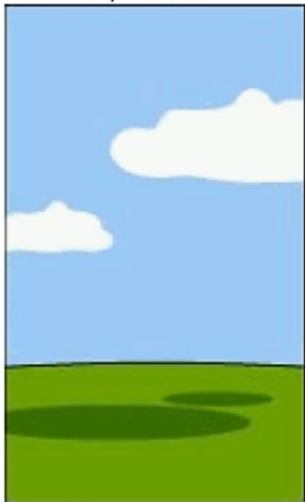
How the engineer designed it



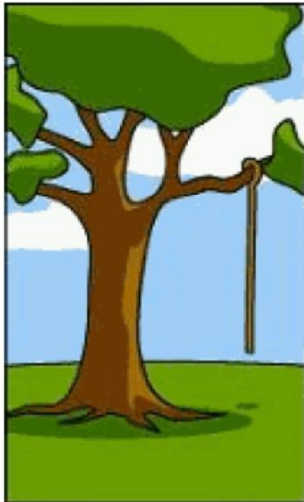
How the programmer wrote it



How the sales executive described it



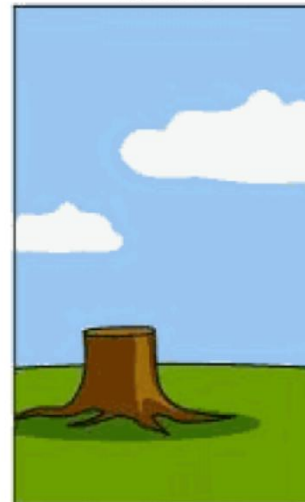
How the project was documented



What operations installed



How the customer was billed



How the helpdesk supported it



What the customer really needed

Development Model of the Past



*“I need more **customer-specific functionality** at **less cost**. And I want it **fast**.”*

*“It is **MY** product!”*

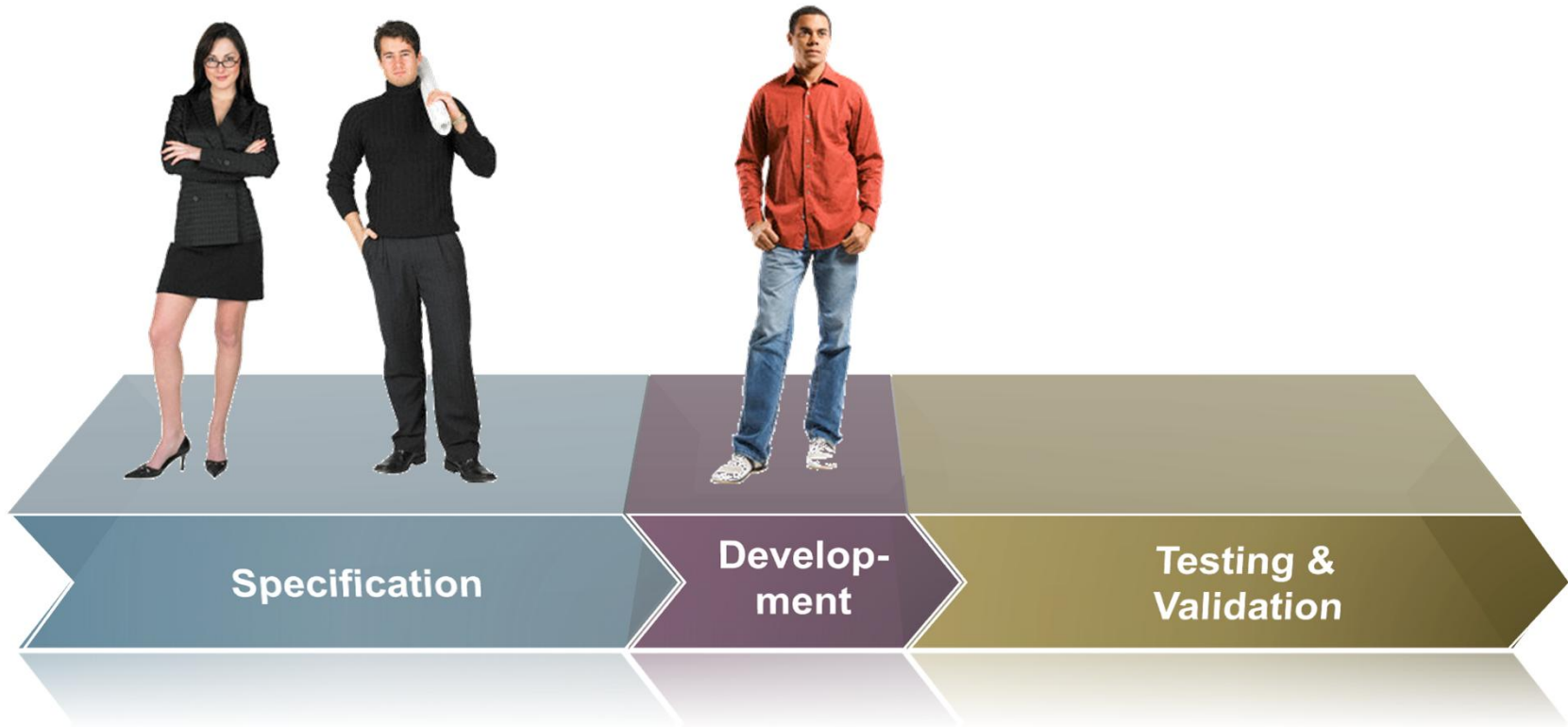


Specification

Develop-
ment

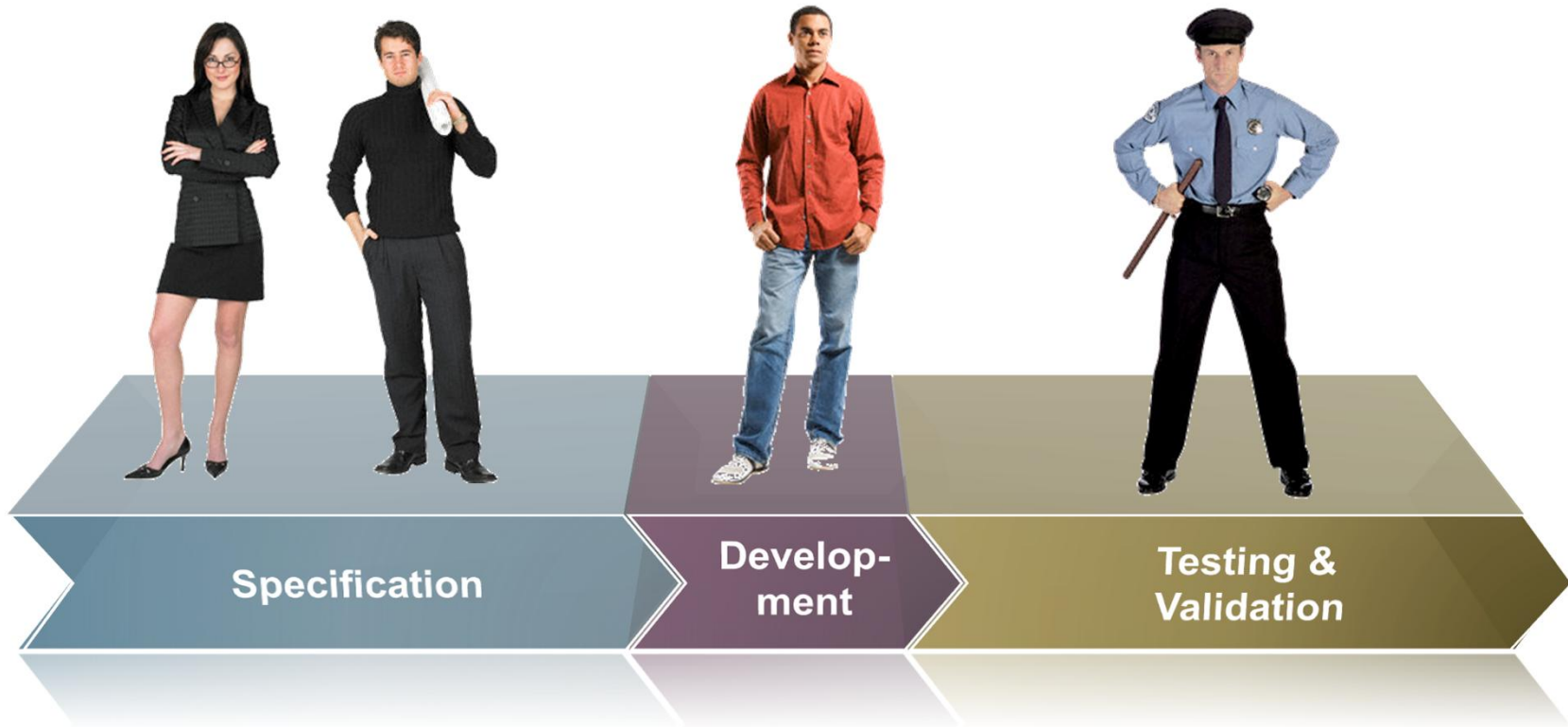
Testing &
Validation

“How should I get this done? Too many requirements and too little time”



Development Model of the Past

*“You didn’t apply all of
our product standards.”
“Too many bugs!”
“We can’t ship!”*



*“Working **in teams** in **fast iterations** is very productive,”*

*“Working with customers makes us more **innovative** and **focused** on the right things”*

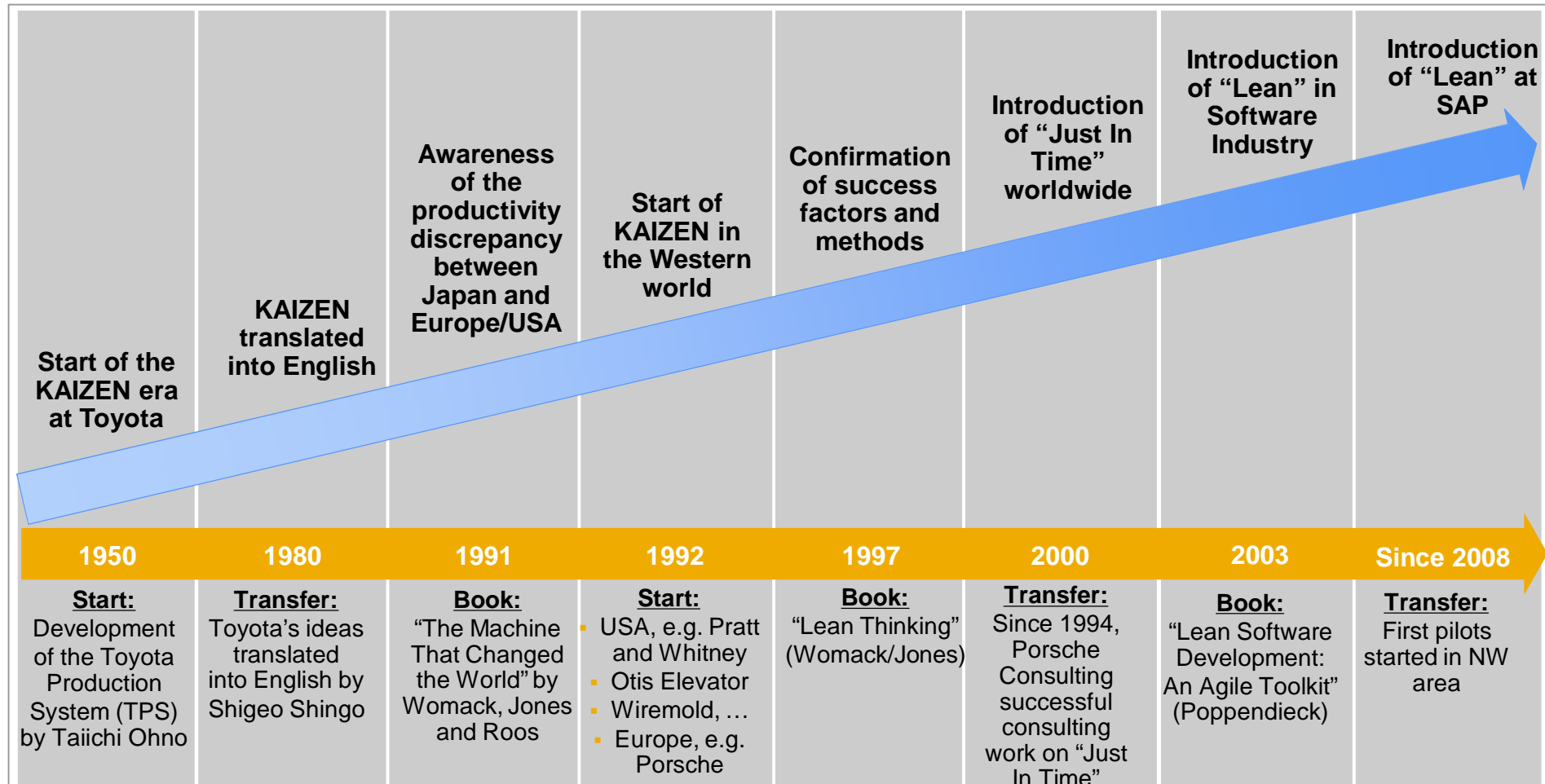
*“**Jointly** we get it right – the **first time.**”*



The term “Lean Production” has its origins in KAIZEN at Toyota...



...and reached the Software industry in 2003



Source: Porsche Consulting

Lean Process Building Blocks

Clear process architecture



SAP Lean Development Model (LDM)

- End to end product ownership
- Alignment across functions & teams
- Unnecessary tasks reduced towards zero
- Transparency for all stakeholders
- Free up time for customer value

Iterative Development Execution

- Cross functional empowered SCRUM teams
- Trust & respect

Lean Principles (JIT)

*JIT = Just-in-Time

Lean Process Building Blocks

Clear process architecture



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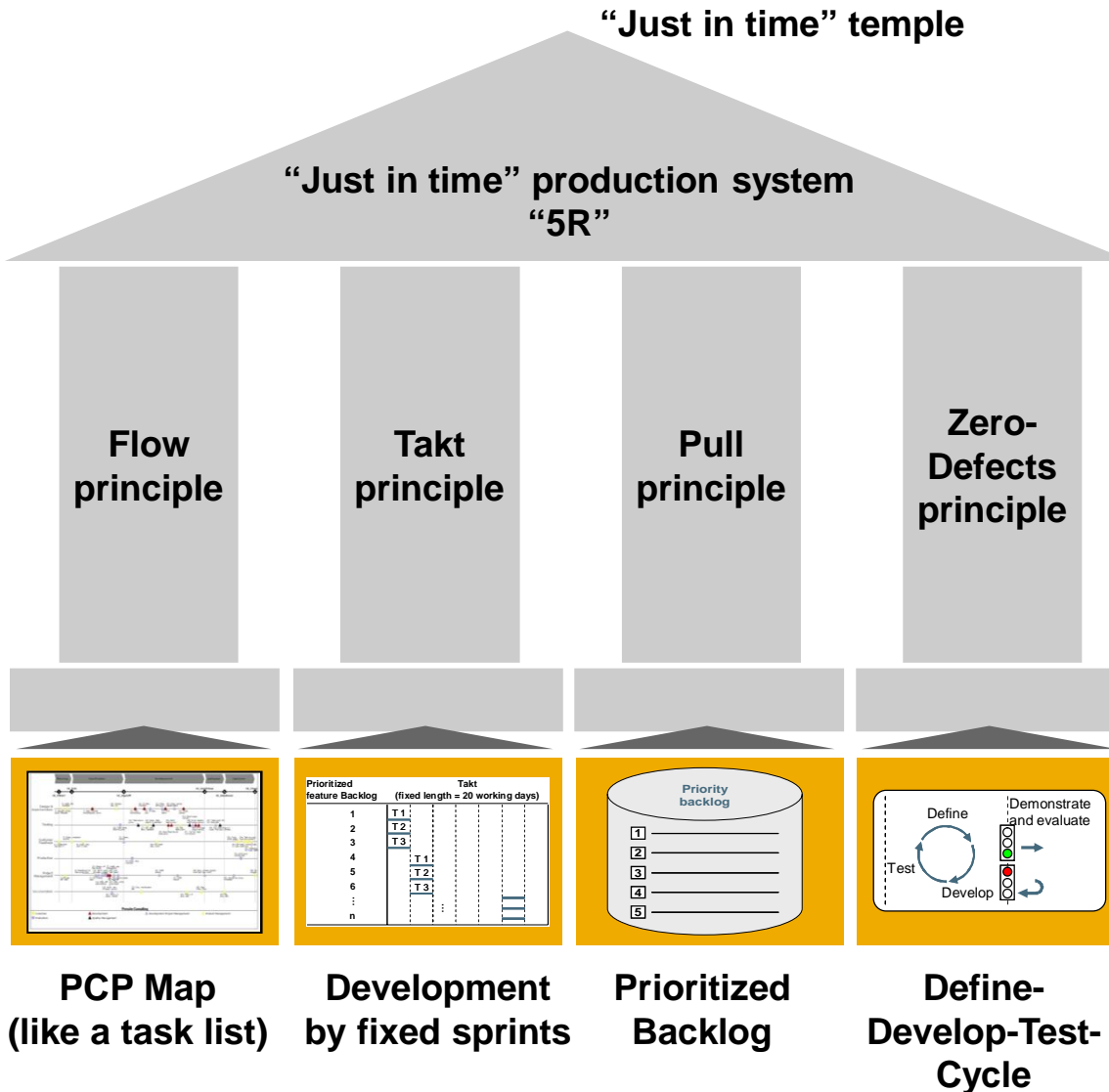
Iterative Development Execution

- Cross functional empowered SCRUM teams
- Trust & respect



Lean Principles (JIT)

*JIT = Just-in-Time



5R:

*the right part or information
of the right quality
at the right moment
in the right quantity
in the right place*



Lean Process Building Blocks

Clear process architecture



SAP Lean Development Model (LDM)

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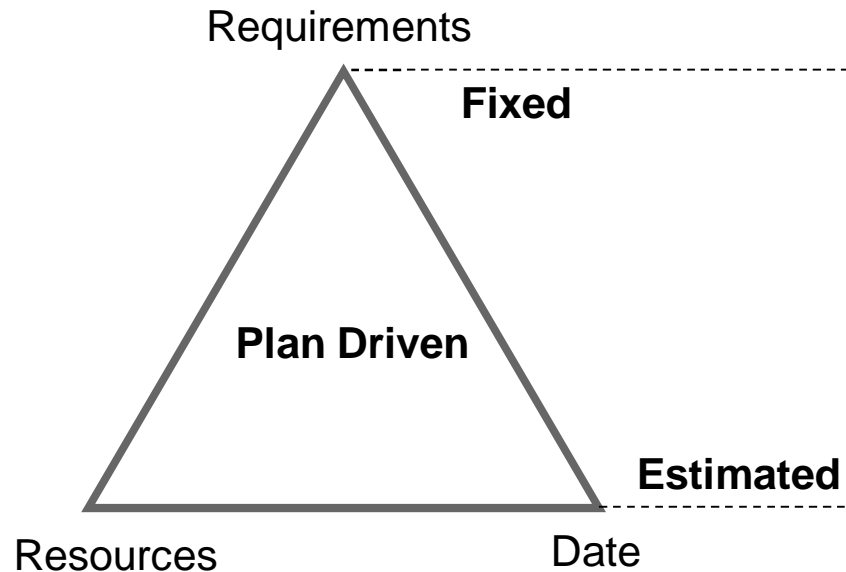
Iterative Development Execution

- Cross functional empowered SCRUM teams
- Trust & respect

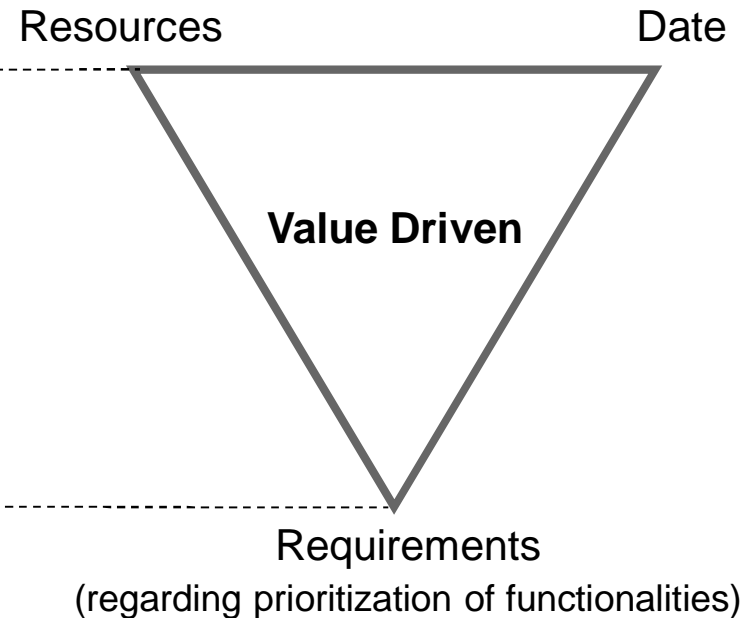
Lean Principles (JIT)

*JIT = Just-in-Time

Traditional



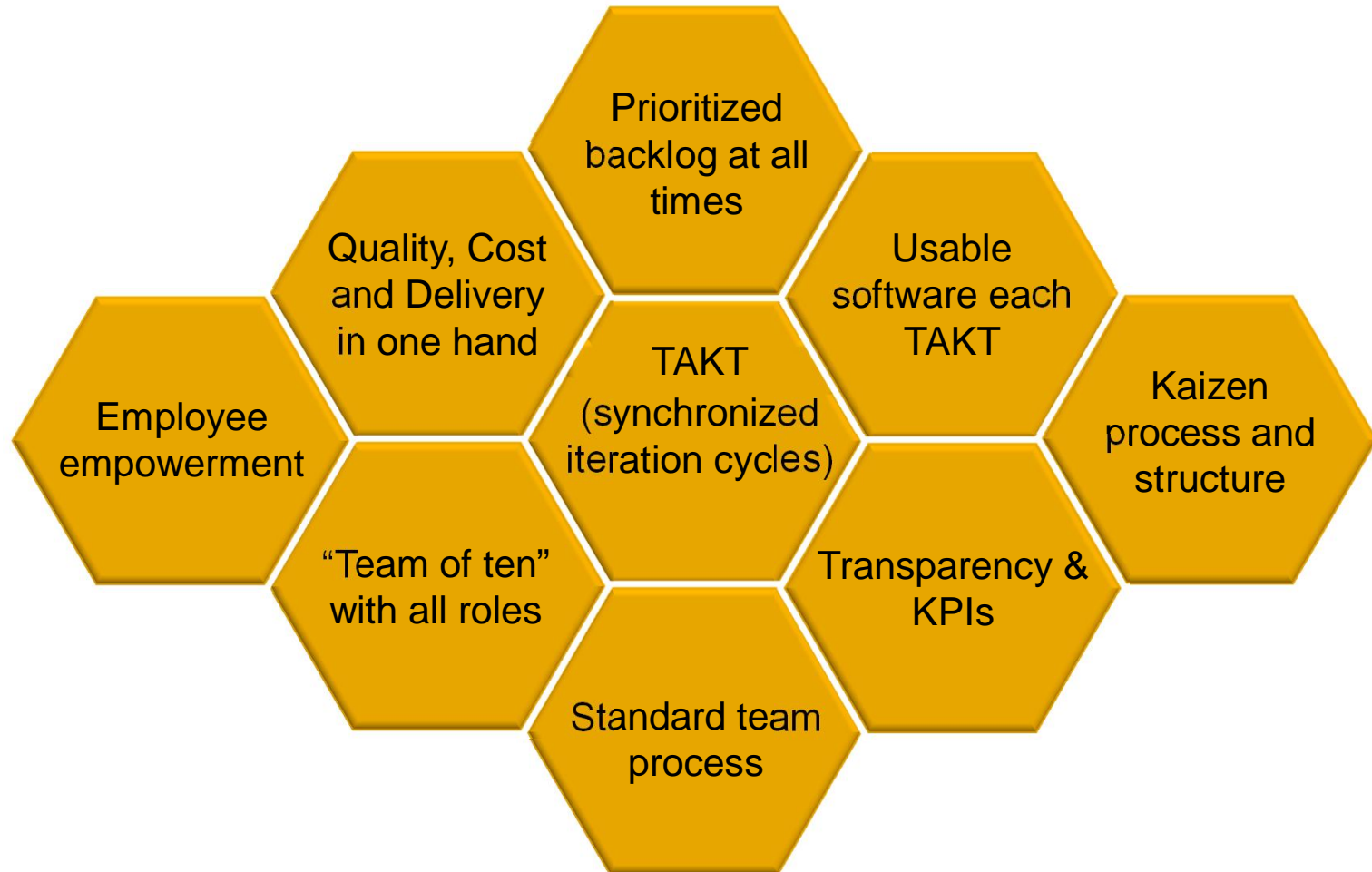
Agile



Iteration length is determining scope instead of scope determining the length of the development cycle

SAP's Lean Development Model

9 Core Elements



Lean Process Building Blocks

Clear process architecture



SAP Lean Development Model (LDM)

- End to end product ownership
- Alignment across functions & teams
- Unnecessary tasks reduced towards zero
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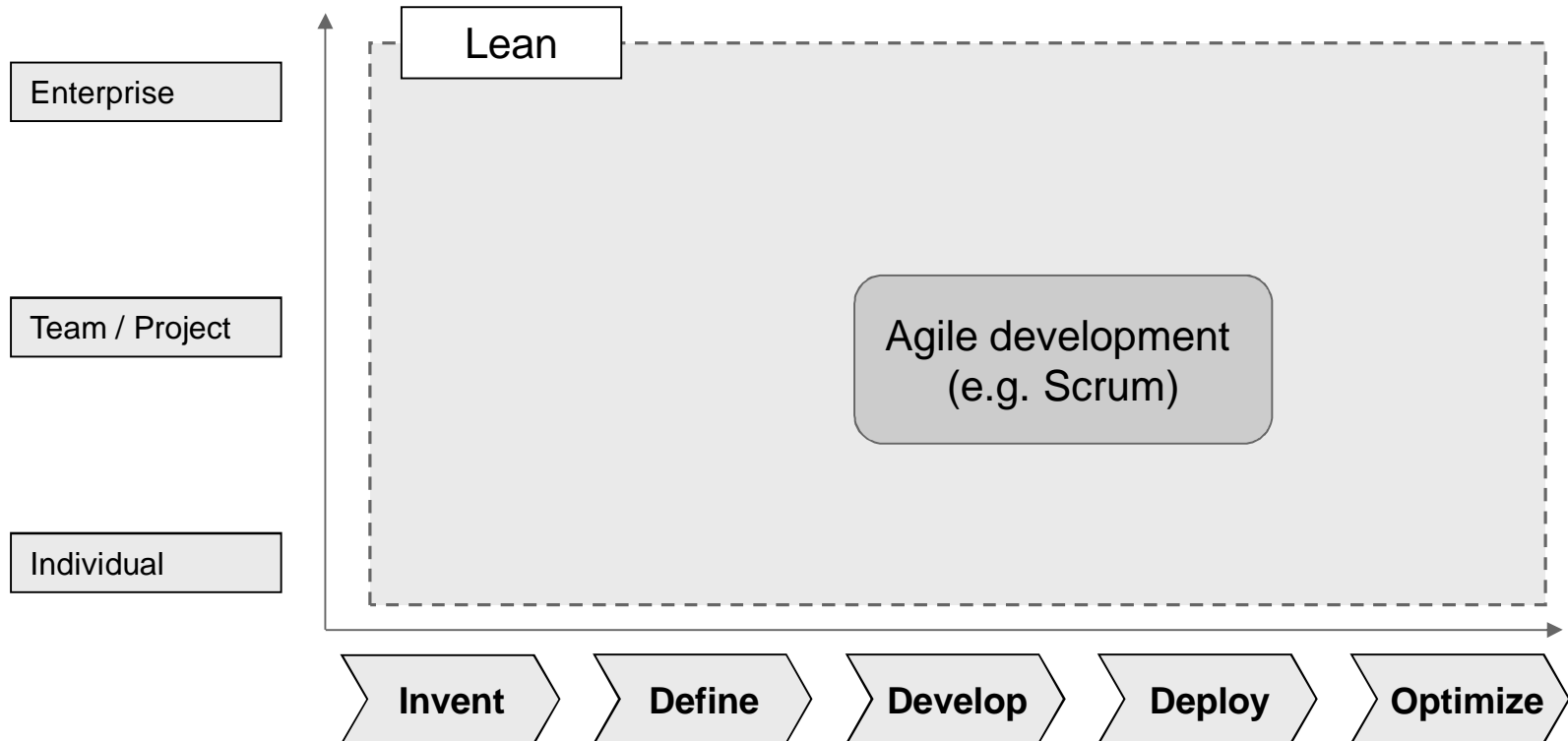
Iterative Development Execution

- Cross functional empowered SCRUM teams
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Lean Principles (JIT)

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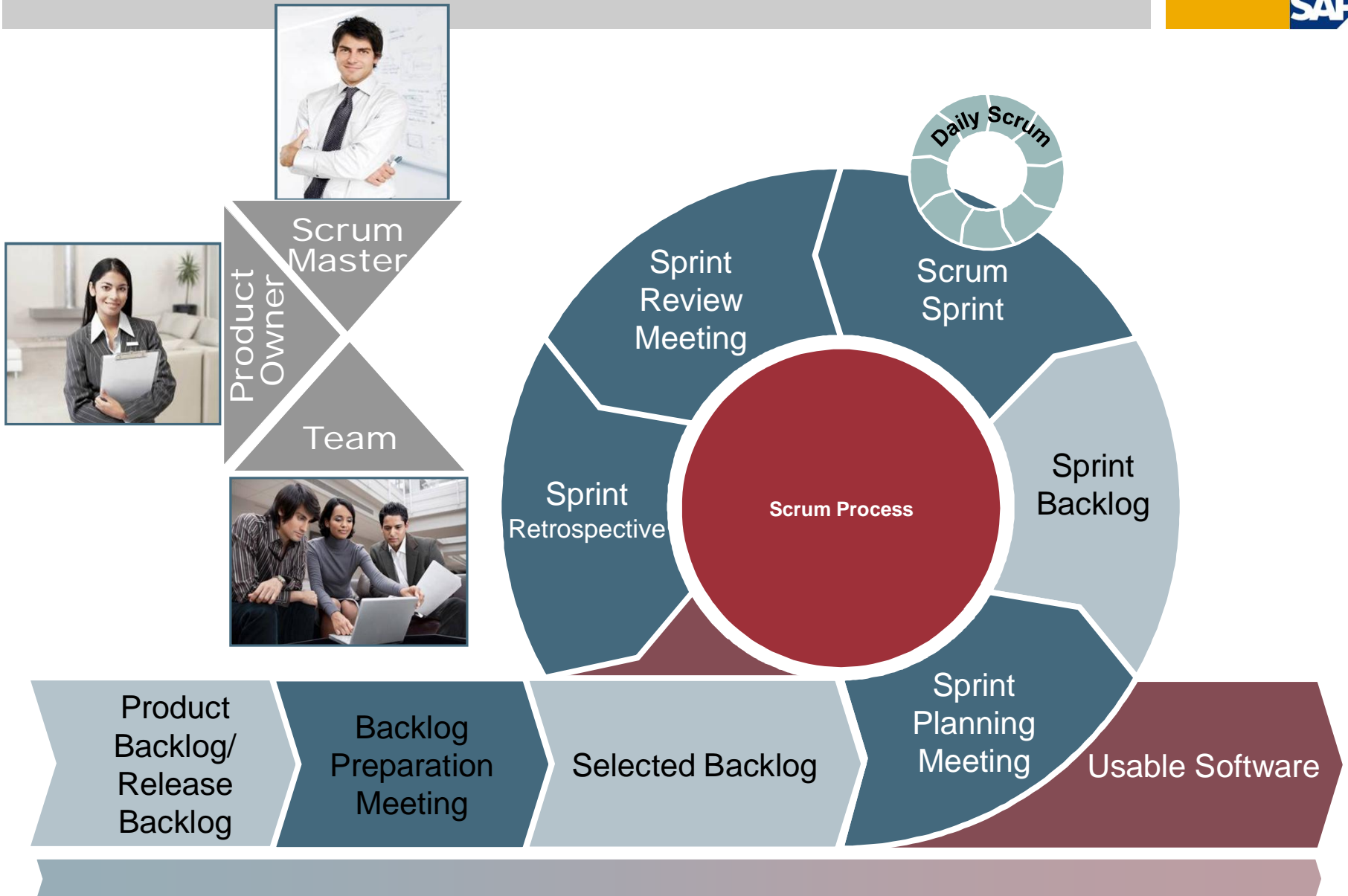
Lean deals with how to organize the entire company's activities



The agile methods can be considered complementary to Lean, where

- Lean deals with which comprehensive principles should apply for the entire (development) organization
- Scrum as a working mode for teams deals with how a project is organized and planned (project management practices)
- XP deals with how to work with programming (engineering practices)

Scrum Process



Summary:

- The focus of SAP's Lean Development model is to **improve the product creation process by**
 - **Using a systematic Product Creation Process (Flow)**
 - **Development with Scrum, via fixed Sprints (Takt)**
 - **Working from a prioritized Backlog (Pull)**
 - **Executing the Define-Build-Test-Accept Cycle each Takt (Zero Defects)**
 - **Continuously improving the process by established tools and methods (Kaizen)**

Thank you!

A grayscale image of a sailboat on the water. The sail is large and white, with the 'SAP' logo printed on it in a dark, bold font. The boat is partially visible at the bottom left, and the background shows a cloudy sky and water.

SAP



Péter ILLÉS

Development Manager

Idea-to-Delivery and Manufacturing
Industries

SAP Labs Hungary

T +36/1-885-7358
F +36/1-885-7594
E peter.illes@sap.com



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