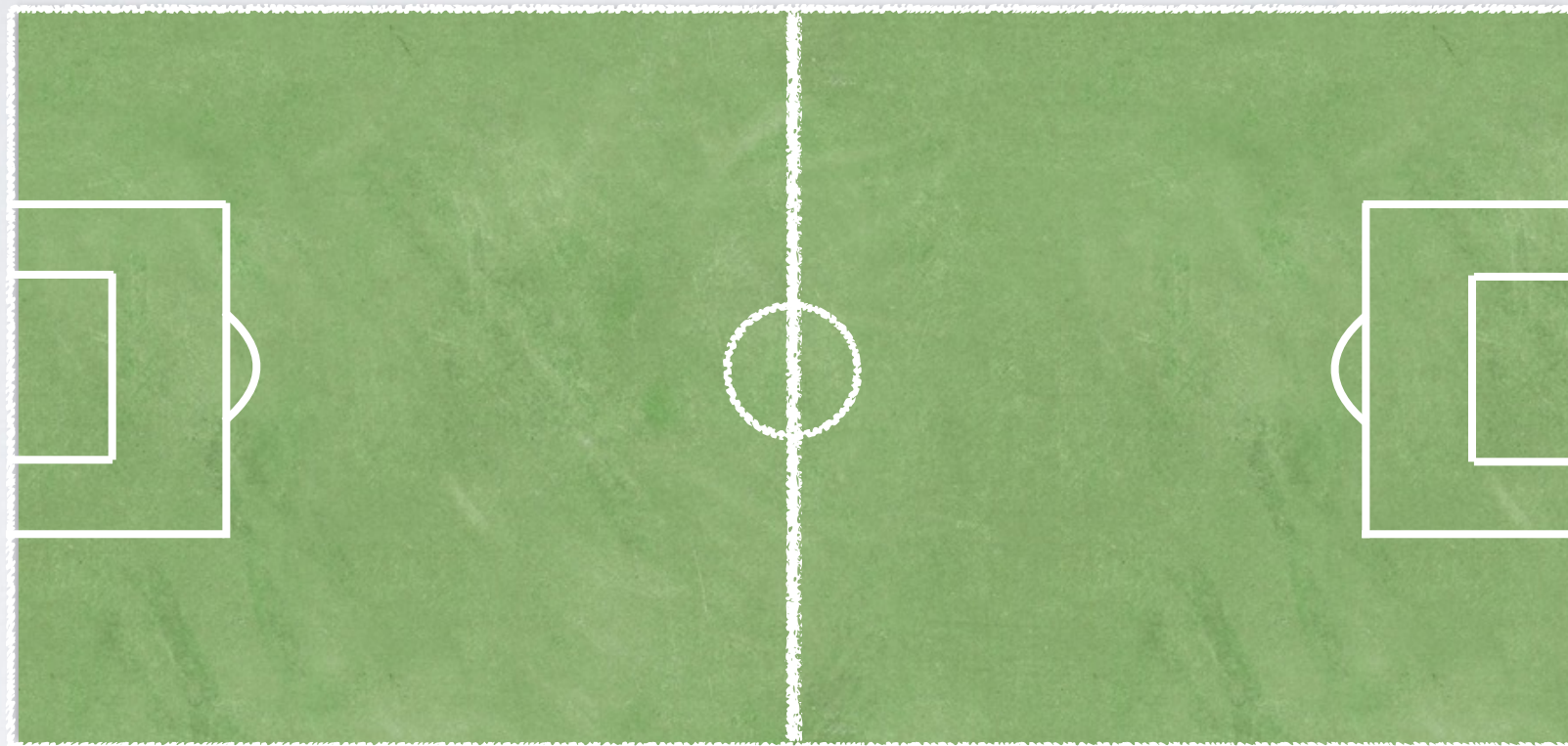


# BETTER SAFE THAN SORRY

by  
Mette Bruhn-Pedersen

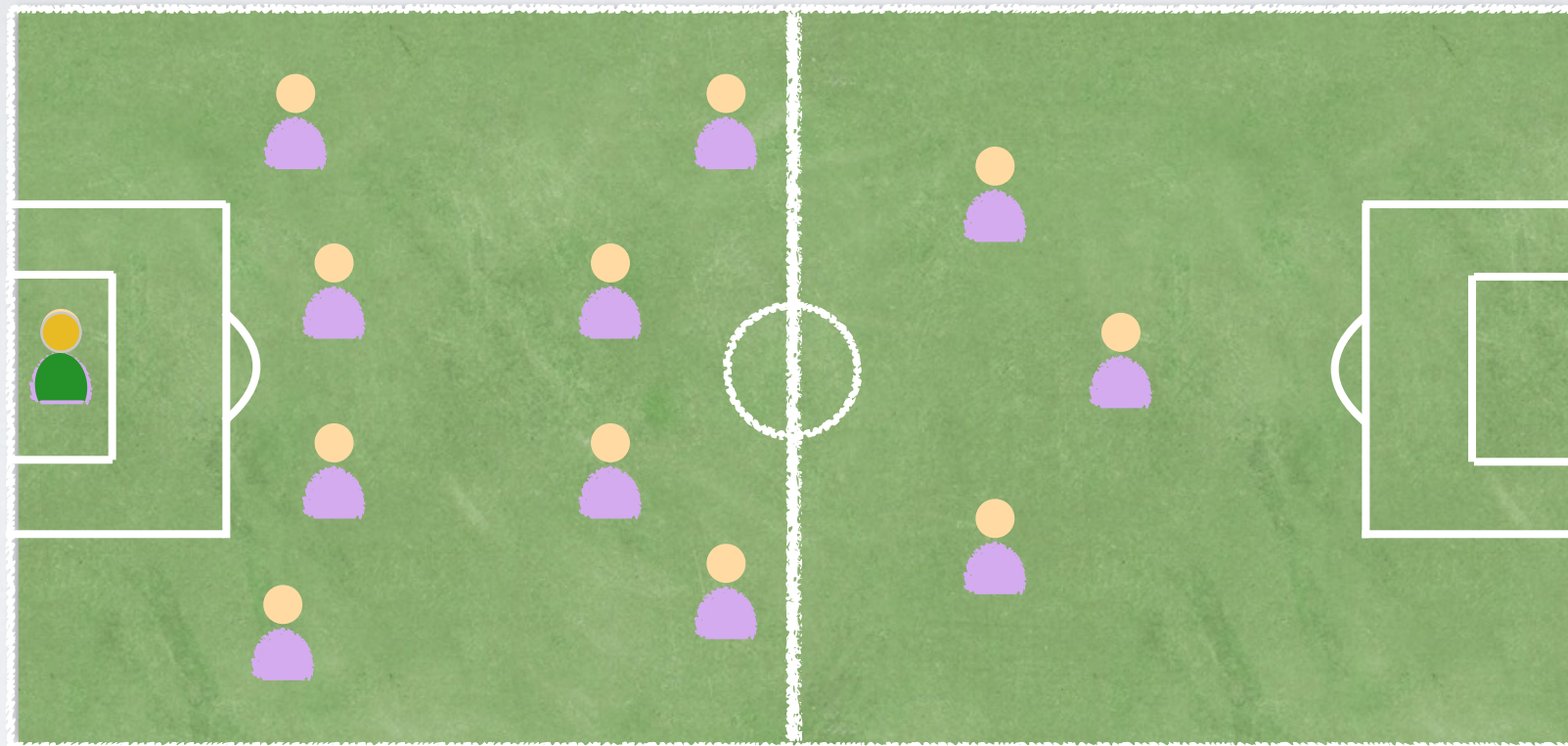
French Testing Days 2018 - 10th Edition  
Le Beffroi de Montrouge, Paris  
April 10, 2018

# THE ROLE OF TESTING PROFESSIONALS TODAY



The “Messi”s, “Ronaldo”s, and “Eriksen”s in  
software development?

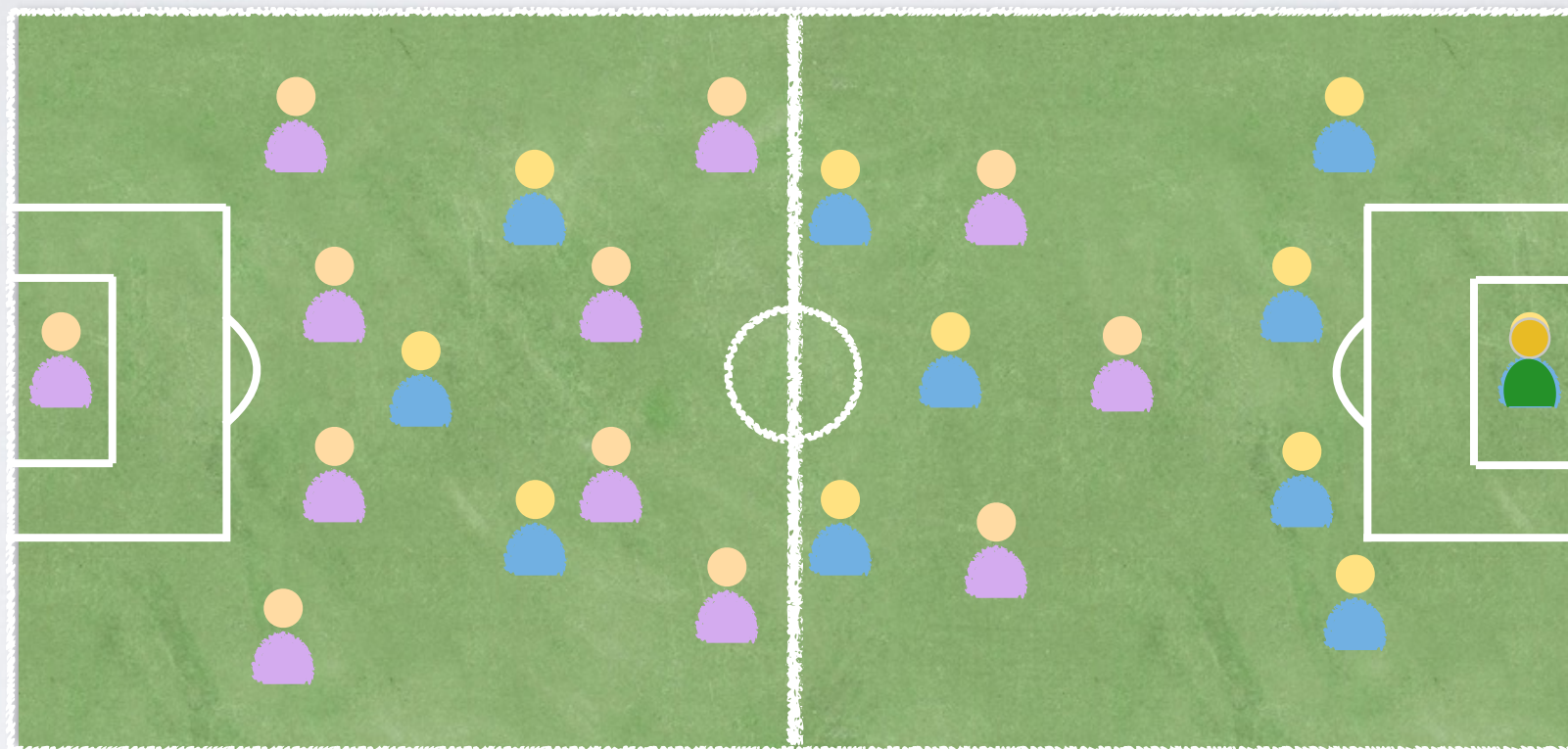
# BEST CASE?



Forward, playmaker, midfielder, defender or  
goalkeeper - last defence

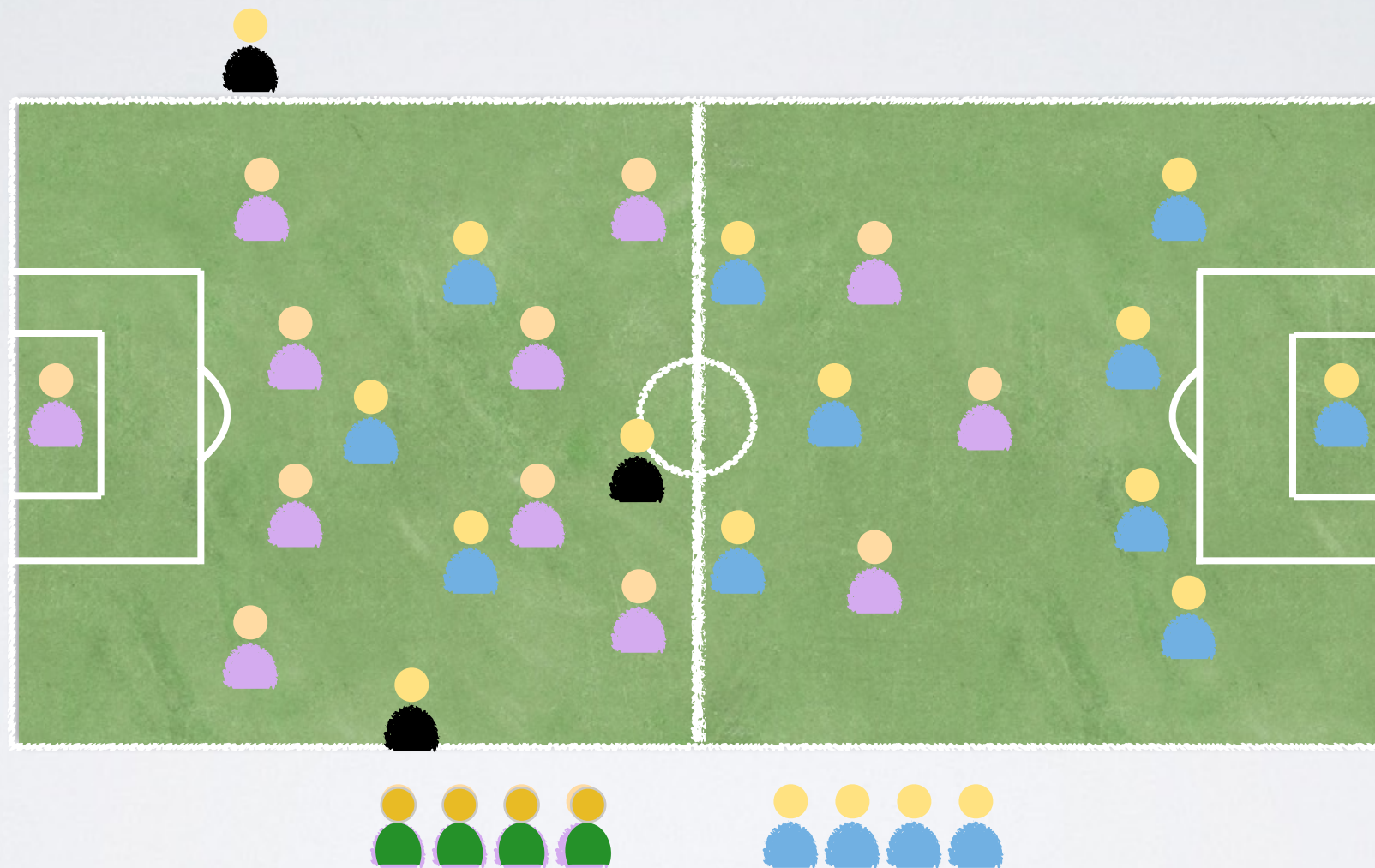


# WORST CASE?



Playing on the opponent's team

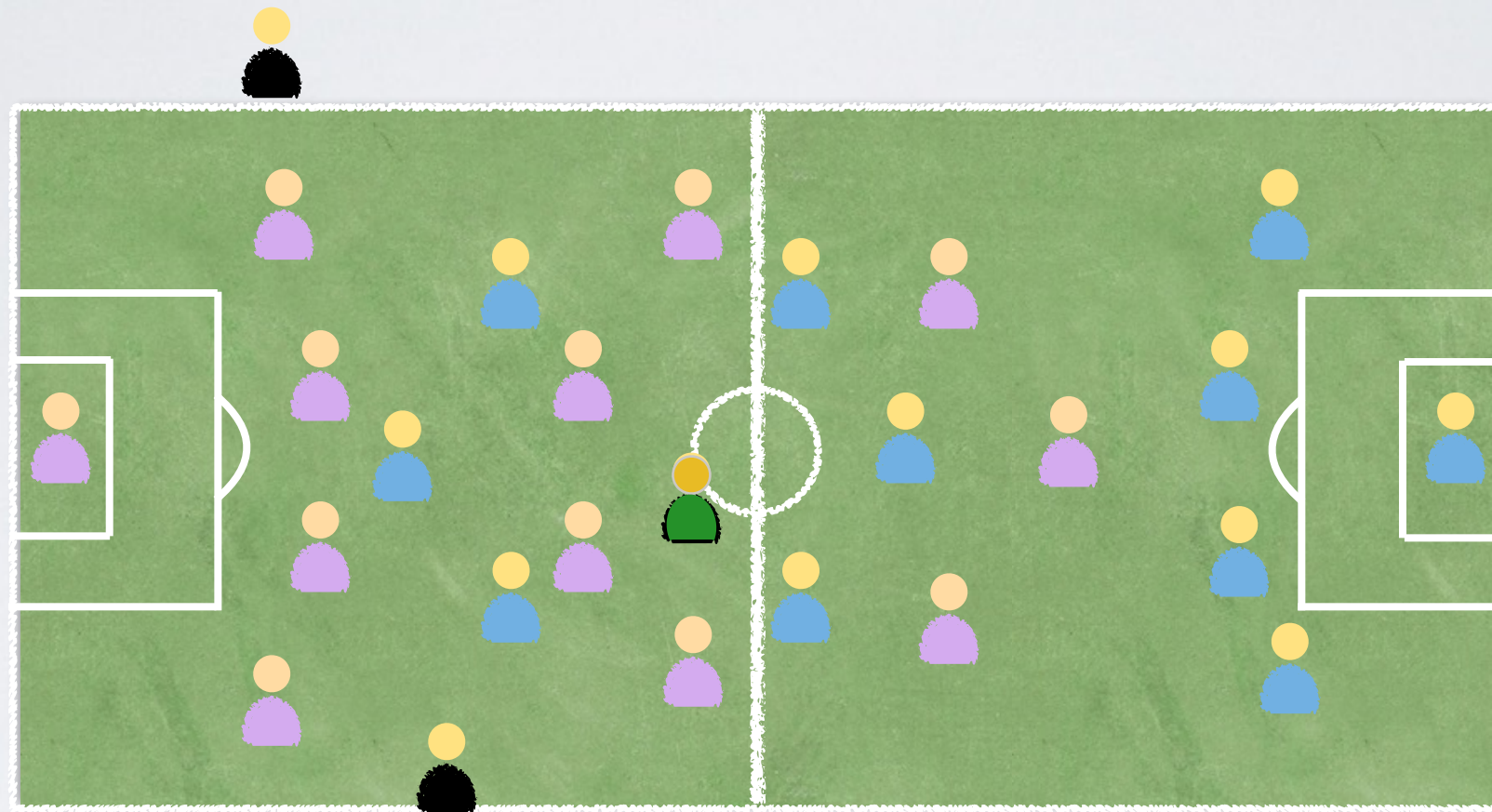
# COMMON CASE?



Part of the team but mostly waiting and watching  
from the side line

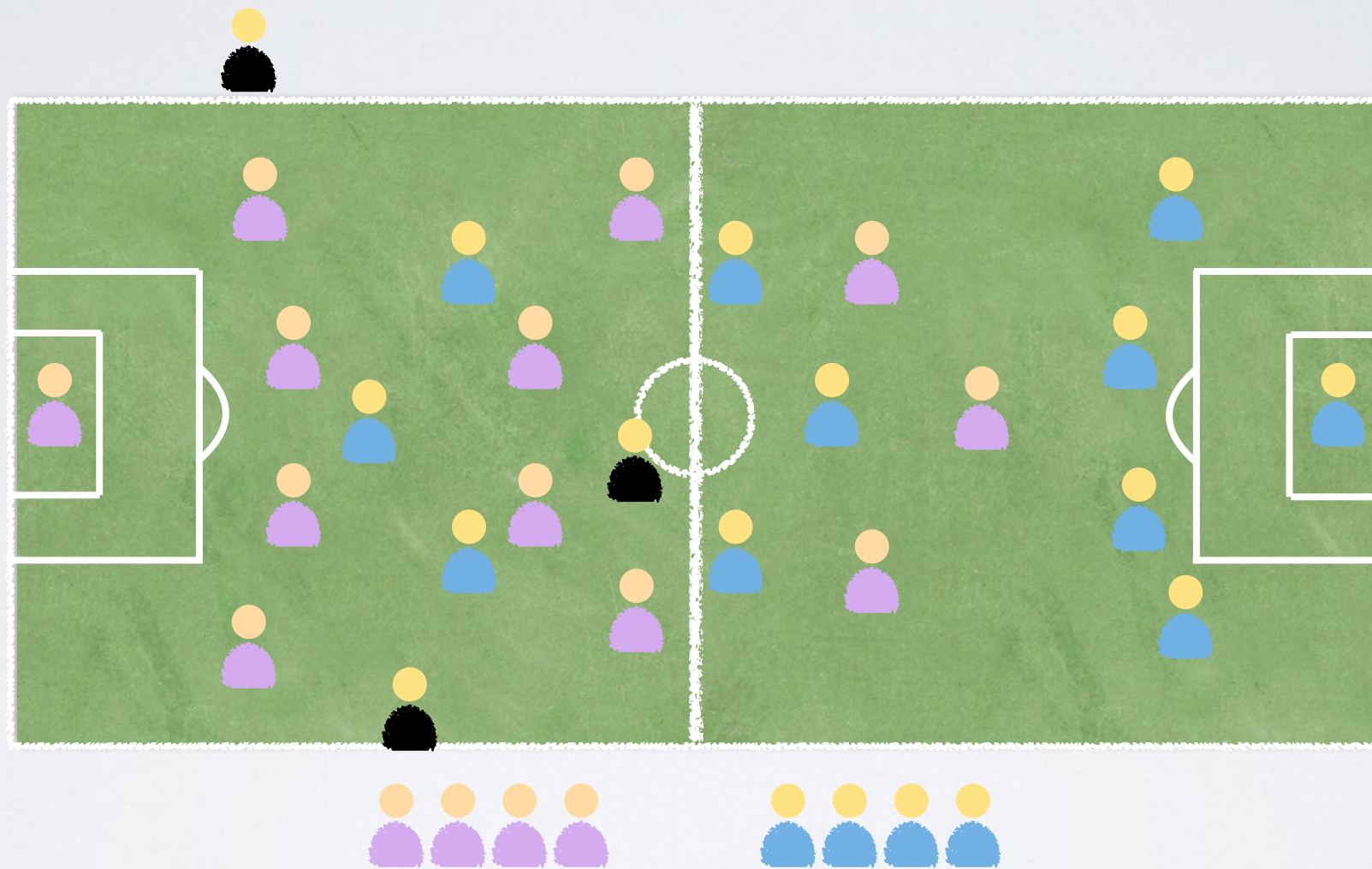


# DREAM ROLE?



Mandate to stop foul play - ensure everyone plays by the rules

# THE EXCEPTION?

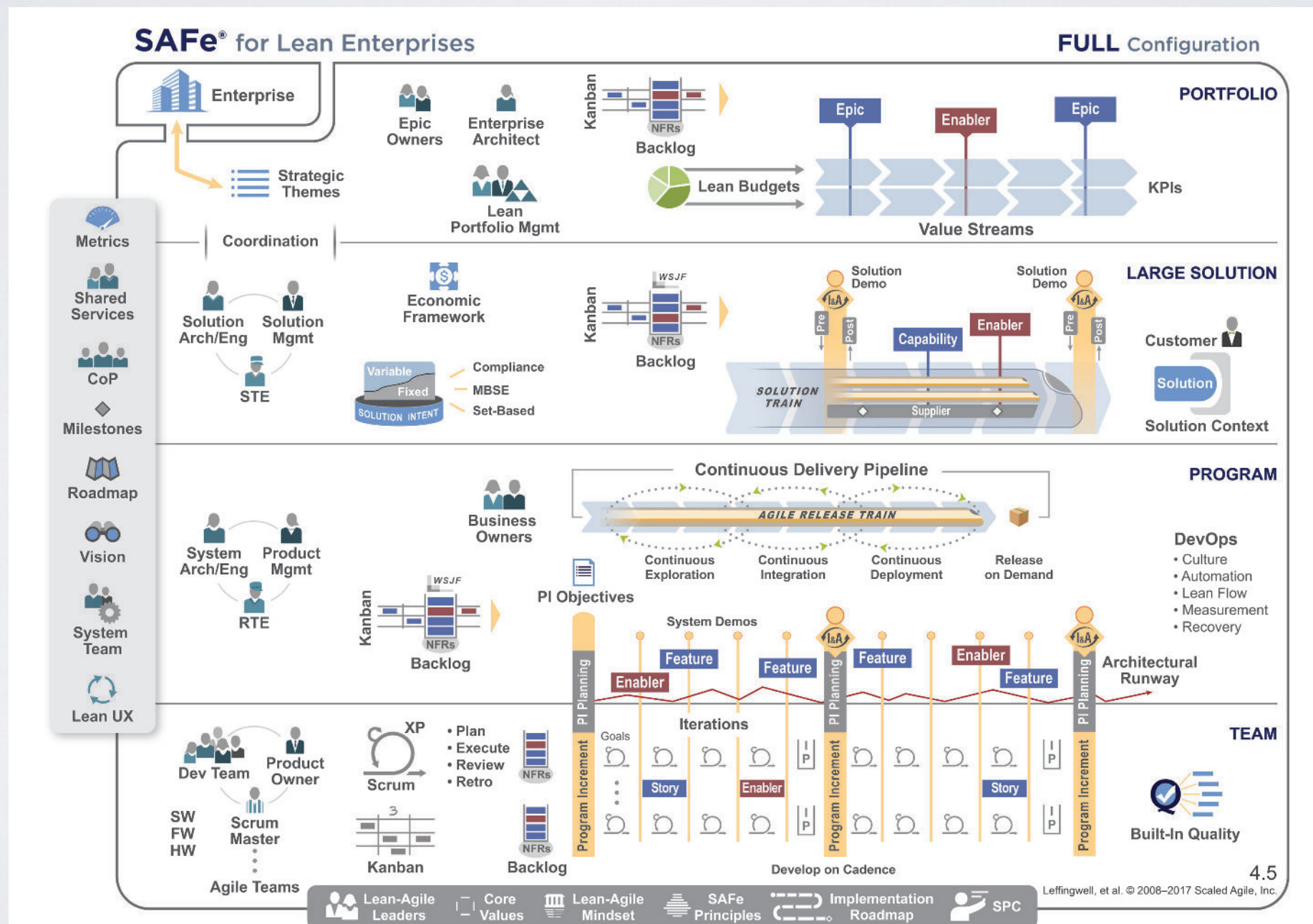


Spectator - no longer part of the game



# THE NEW PLAYING FIELD

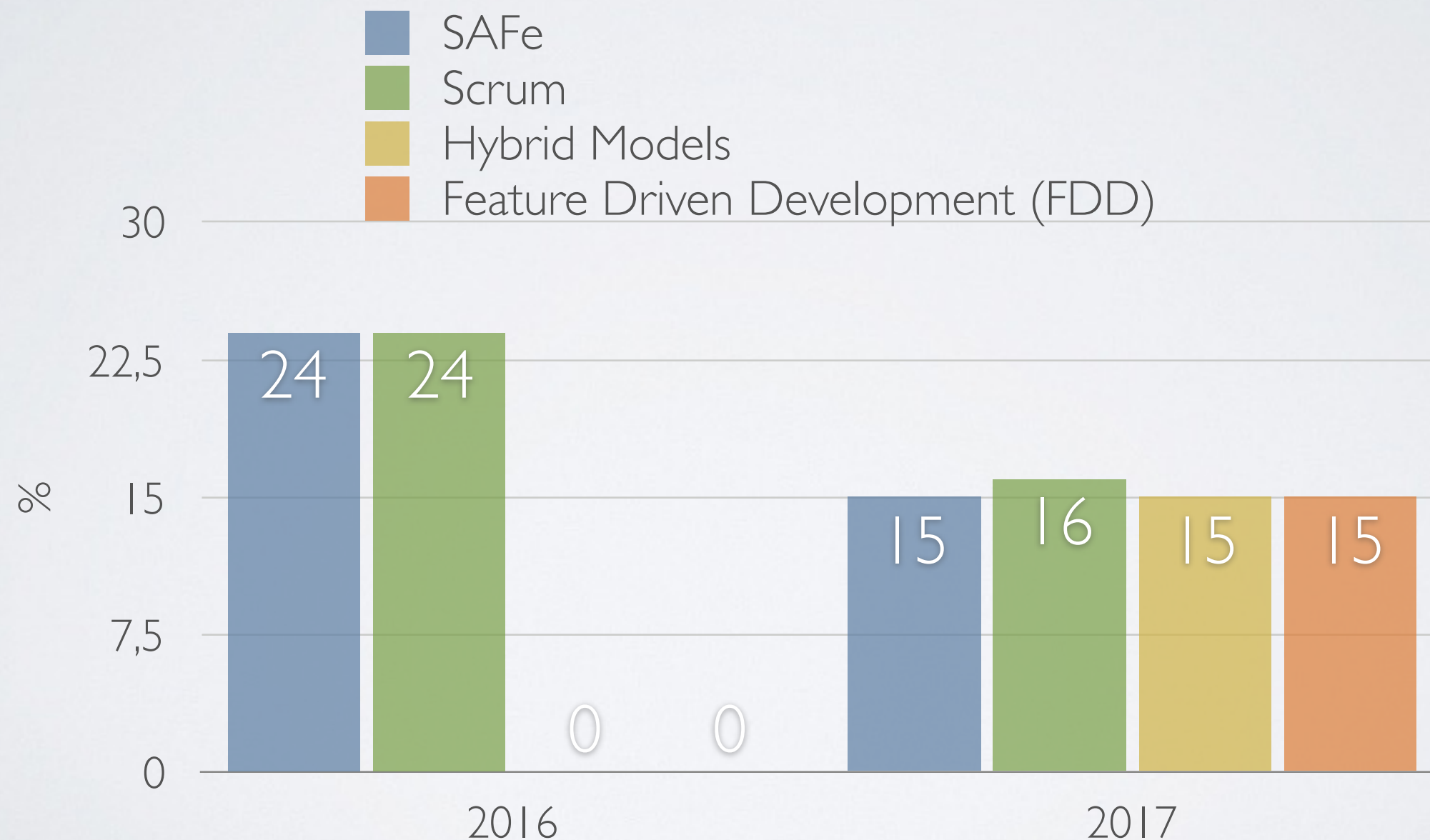
## Scaled Agile Framework for Lean Enterprises



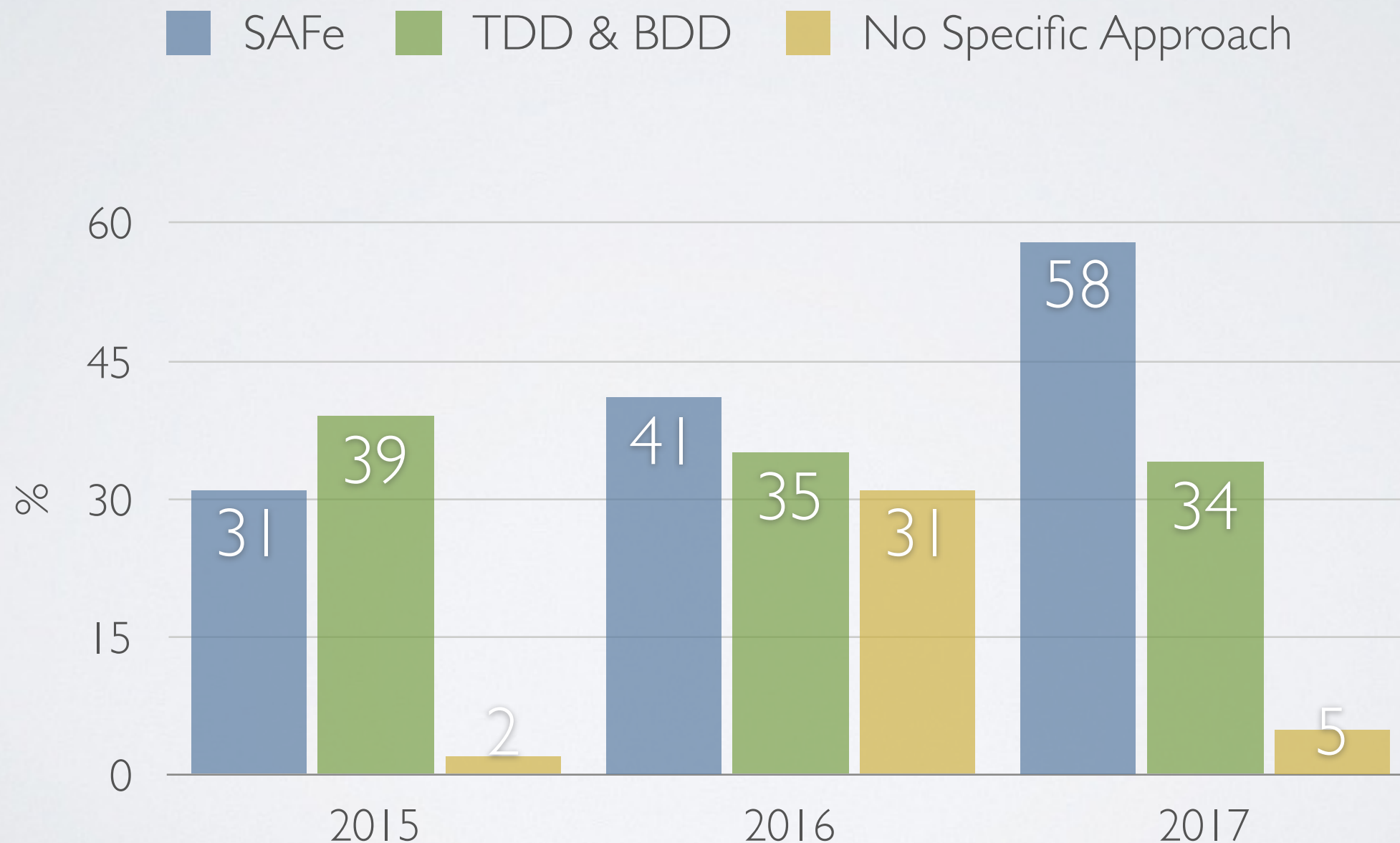
<http://www.scaledagileframework.com>



According to World Quality Report 2017-18 most organisations have adopted some form of Agile methodology for at least some of their projects



According to World Quality Report 2017-18 SAFe® has grown in popularity as an approach to testing in Agile





# WILL THE ROLE OF TESTING PROFESSIONALS CHANGE?



- Combination of
  - New groundbreaking technologies
  - Acceleration in availability
  - Rethinking one's identity

Source: Jonathan Løw, Listen Louder

# THE FIRST 3D PRINTED HOME



Traditional  
Construction  
£210,000  
30 People  
3 month

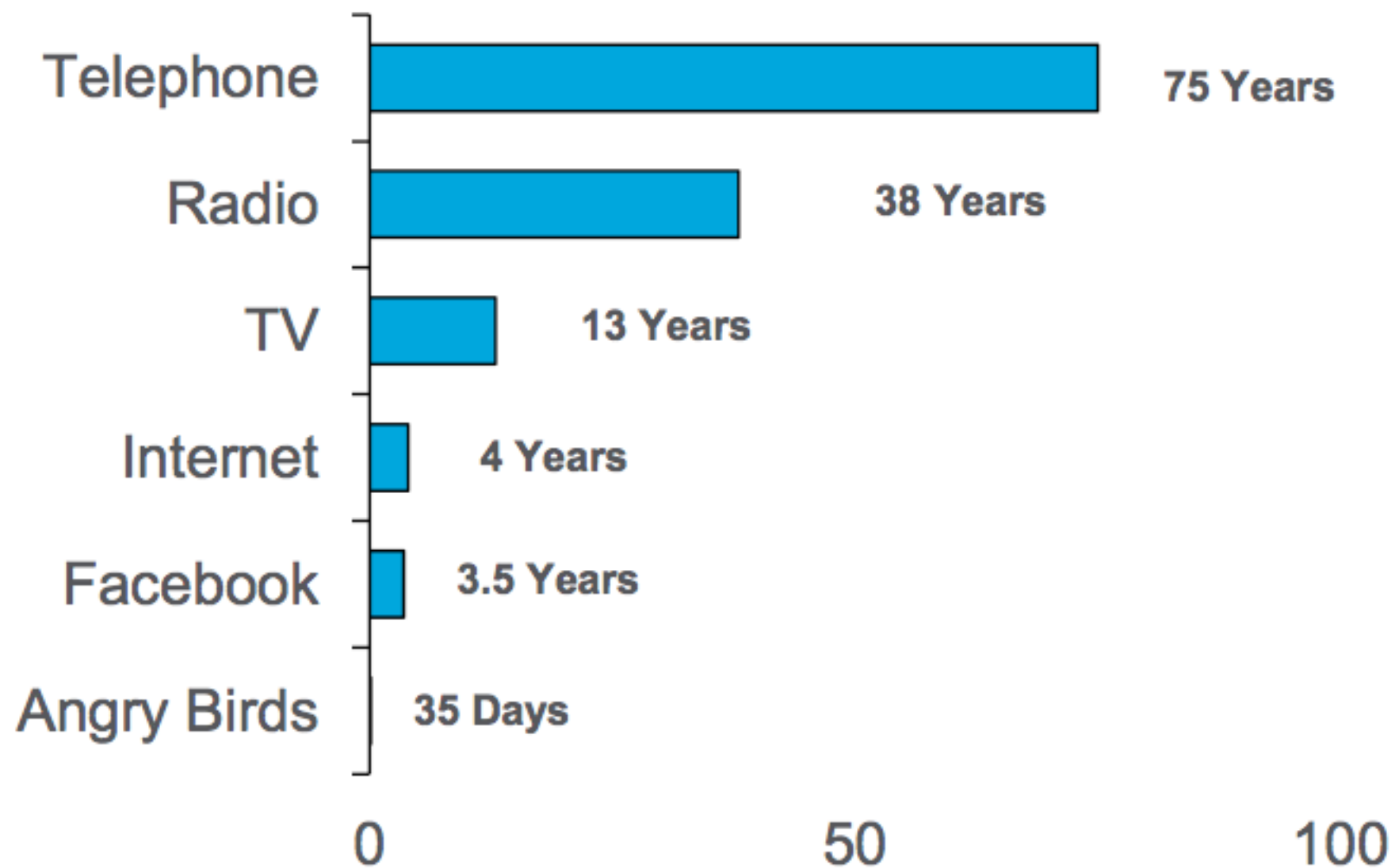
3D Print  
£105,000  
8 People  
1 month

Source: Jonathan Løw and Susanne Odgaard



# ACCELERATION IN AVAILABILITY

Figure 5. Time to reach 50 million users



Source: Citi Digital Strategy Team

# RETHINKING ONE'S IDENTITY

Volkswagen Group

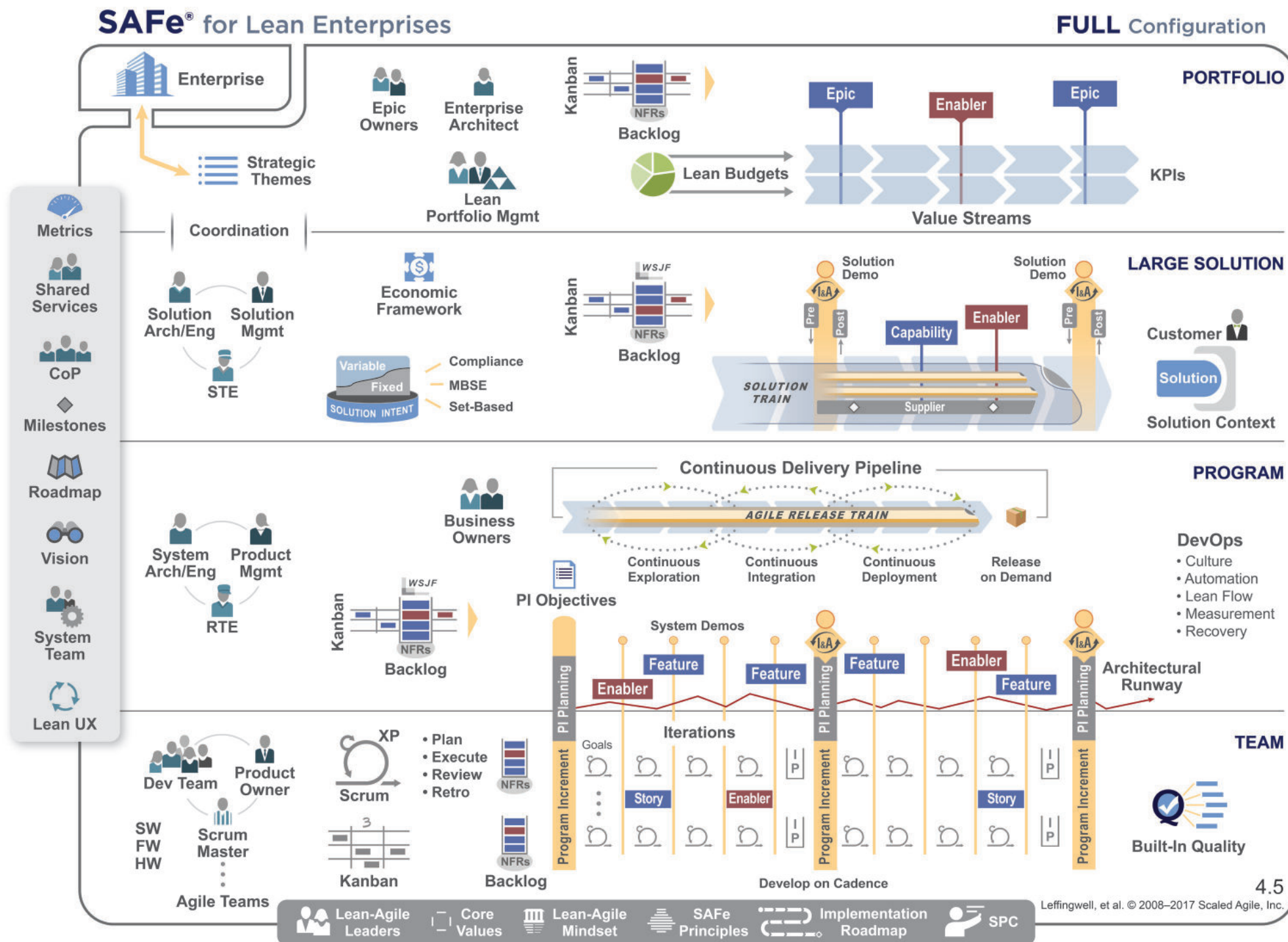
“We are a globally leading provider of sustainable mobility”



IS THERE A  
ROLE FOR  
TESTERS IN  
SAFE?



# SCALED AGILE FRAMEWORK





# SIMILAR ROLES

## - BUT NO TEST MANAGER



Product  
Owner

Team Backlog of user  
stories



Product  
Mgmt.

ART Backlog of  
Features



Scrum  
Master

Team Ways of  
Working



Release  
Train  
Engineer

ART Ways of Working



Dev Team

Define, build, test and  
implement solutions



System  
Architect

Architectural runway  
and technical excellence

# SIMILAR EVENTS ON TEAM AND ART LEVEL

Plan

Iteration planning (2-4 weeks)

Execute

Daily Stand-Up

Demo

Review - User stories

Improve

Retro

Plan

Program Increment  
Planning (8-12 weeks)

Execute

Scrum of Scrums & ART  
Sync

Demo

System Demo - Features

Improve

Inspect & Adapt

# PRECONDITIONS FOR AGILE TESTING IN SAFE®

Agile Testing in Agile Teams, incl good practices like:

- Testable acceptance criteria on user stories
- Review and early feedback on everything
- Test-First Approach
- Automated delivery and deployment
- Decent coverage by automated tests on all levels, not just unit/component
- Exploratory testing
- Testing in the same iteration



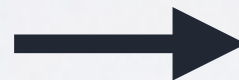
# CONTRIBUTING TO PI PLANNING

- All people on the ART and relevant stakeholders meet face-to-face for 2 days to plan the next Program Increment (PI)
- The plan is documented on the Program Board






	Sprint 1 PI 1	Sprint 2 PI 1	Sprint 3 PI 1	Sprint 4 IP PI 1	PI 2 >>
Milestones/Events					
Team 1					
Team 2	<b>The Program Board shows:</b> <ul style="list-style-type: none"><li>• Dependencies</li><li>• Feature Delivery</li><li>• Milestones</li></ul>				
Team 3					
Team 4					
Team 5					
Team 6					
Deliveries to or from others (e.g.,suppliers, other ARTs)					

# ADDING TO THE FRAMEWORK

Dedicated swim lane for larger or more complex testing activities, e.g., Release Testing



		Sprint 1 PI 1	Sprint 2 PI 1	Sprint 3 PI 1	Sprint 4 IP PI 1	PI 2 >>
Business Releases/ Milestones	Segment 1					
	Segment 2					
Technical Releases						
Release Testing						
Team 1						
Team 2						
Team 3						
Team 4						
Team 5						
Team 6						
Deliveries to or from others (e.g., suppliers, other ARTs)						

	= Feature		= Business Release		= Release Testing
	= Dependency		= Technical Release		

# BETTER SAFE THAN SORRY

- Rethink our identity as testing professionals
- Contribute to frameworks like SAFe
- Improve testing practices using tools and technologies





# CONTACT DETAILS

Mette Bruhn-Pedersen

Bruhn-Pedersen Consulting

E-mail: [bruhnpedersen@me.com](mailto:bruhnpedersen@me.com)