

# IIBA-session

## Requirements Engineering and Agile Artefacts

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11 april 2017

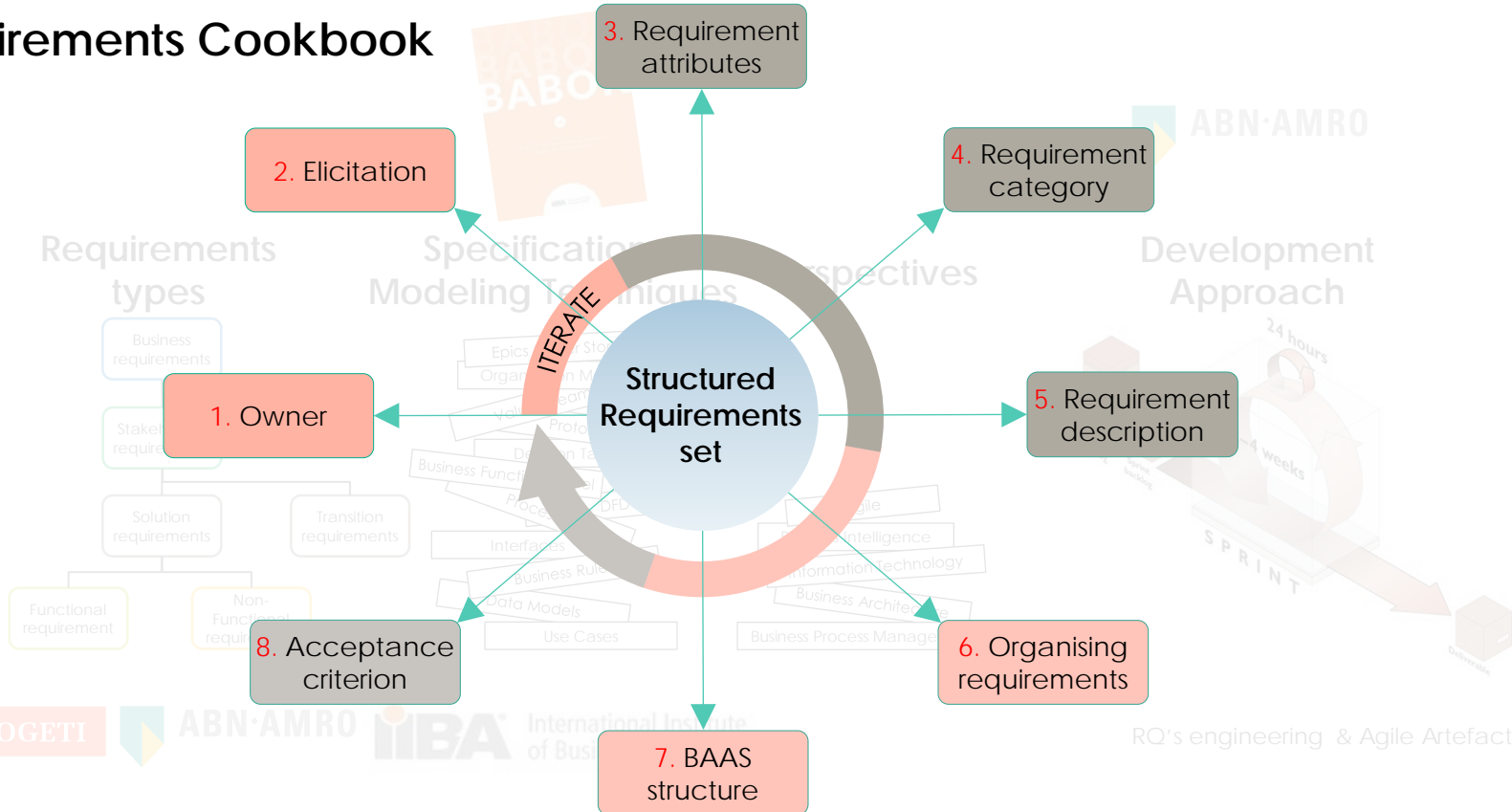


# Requirements Engineering and Agile Artefacts

- ▶ 1. Intro
- ▶ 2. System development: two worlds and three perspectives
- ▶ 3. (Agile) Artefacts positioned
- ▶ 4. Requirements Engineering & Agile Artefacts
- ▶ 5 Recap

# Requirements Engineering and Agile Artefacts

## Requirements Cookbook



# Requirements Engineering and Agile Artefacts

## Objectives for the Requirements Cookbook

- ▶ 1. Guidelines, on a **practioner level**, for modeling and specifying requirements within an **Agile** way of working
- ▶ 2. Requirements for **re-use** (stay Agile)
- ▶ 3. Connect to artefacts of the **enterprise & information model**

# Requirements Engineering and Agile Artefacts

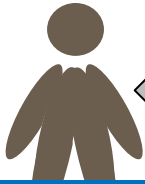
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  - User Stories, Acceptance criteria & tasks
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Change documentation

Implementation independent  
System documentation

System & implementation dependent  
System documentation

Business  
layer



Accountable  
person Domain-x



Stakeholder &  
Solution layer



Mandated Product  
Owner Domain-x



Stakeholders



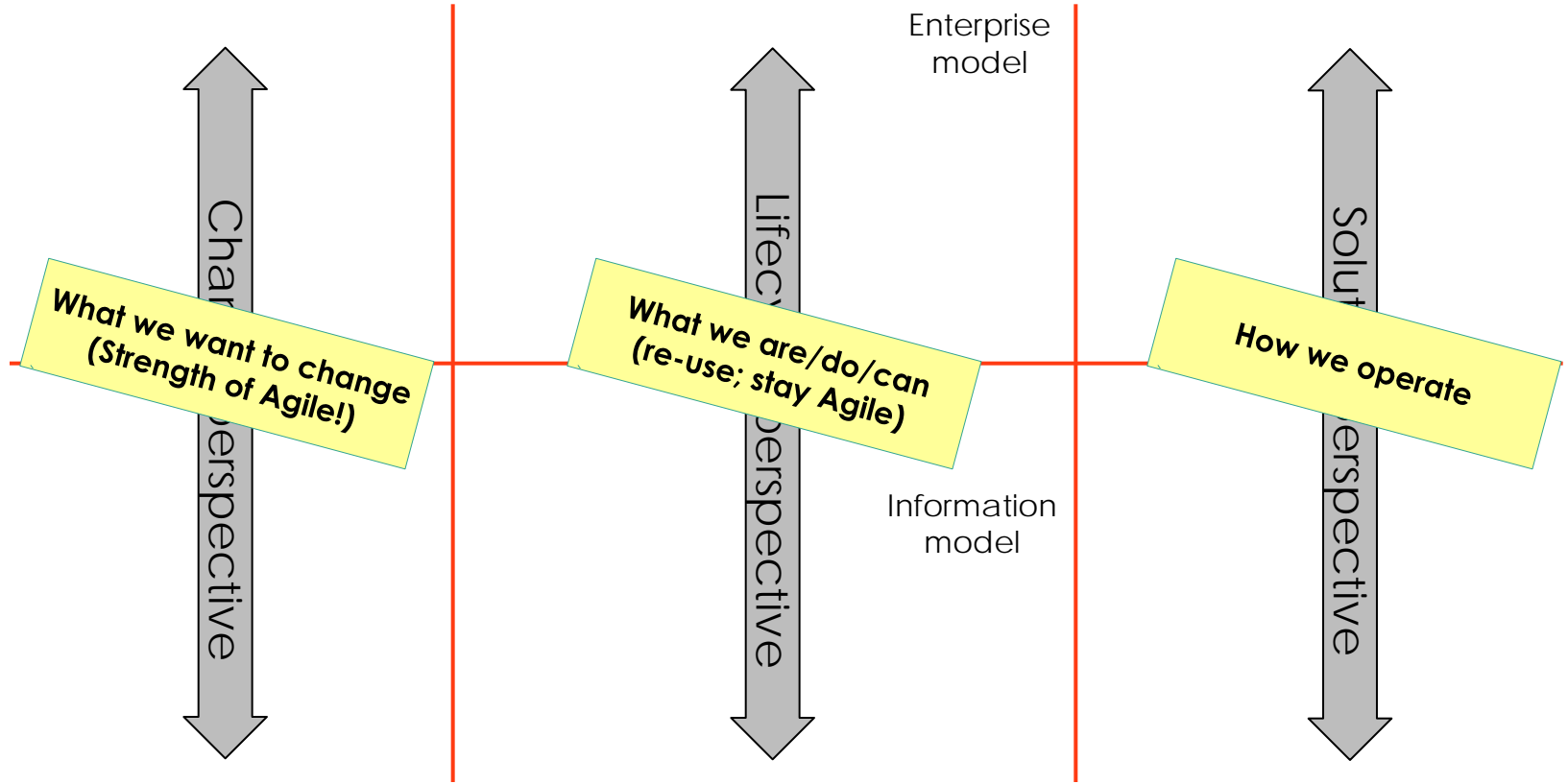
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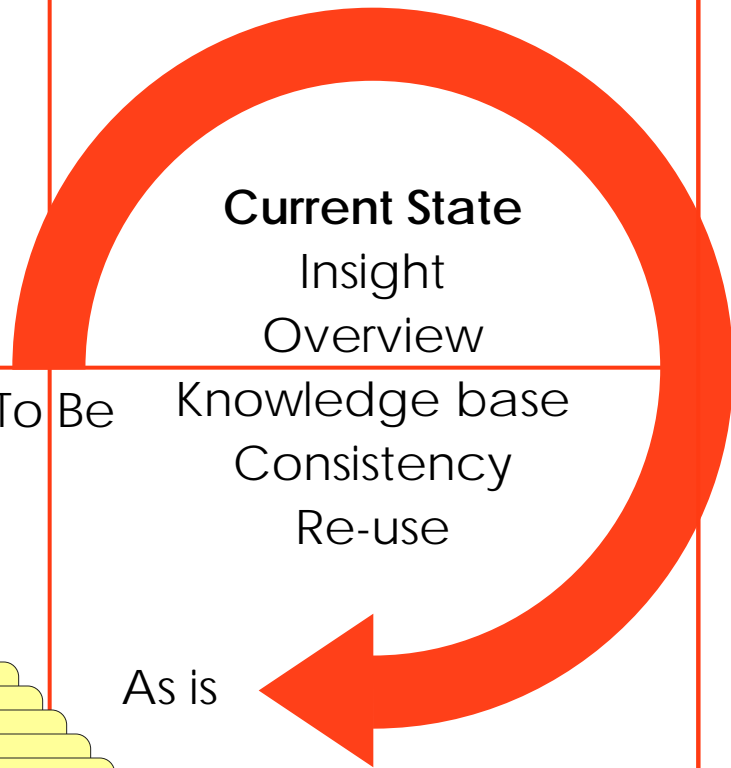


Change documentation

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Business Epic

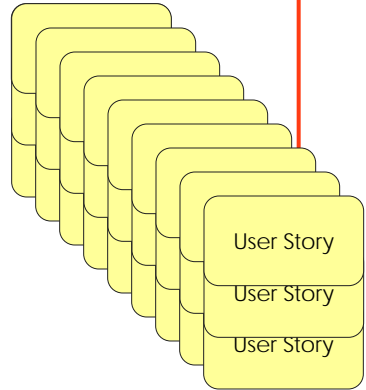


Current State  
Insight  
Overview

To Be

Knowledge base  
Consistency  
Re-use

System



As is



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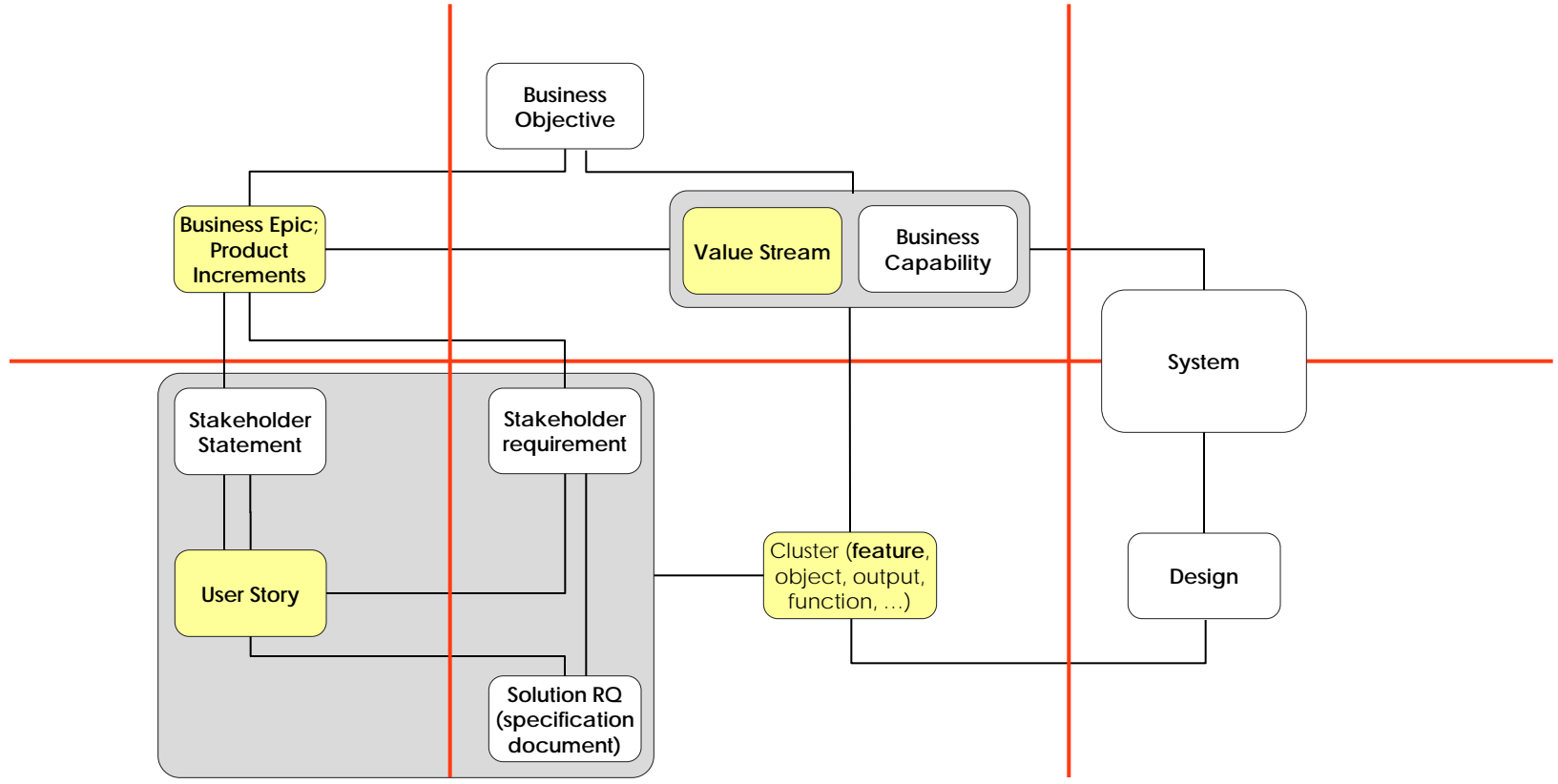
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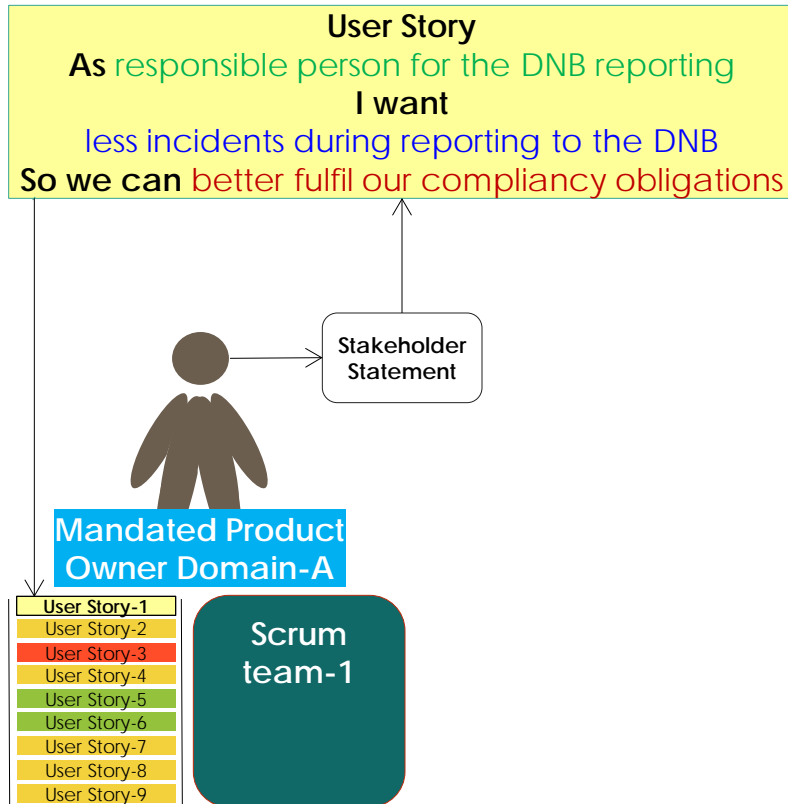


● = Agile Artefacts

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Business Epic; Product Increments	Bus Objective Value Stream Bus Capability	
User Story	Clusters Stakeholder & solution RQ	Design



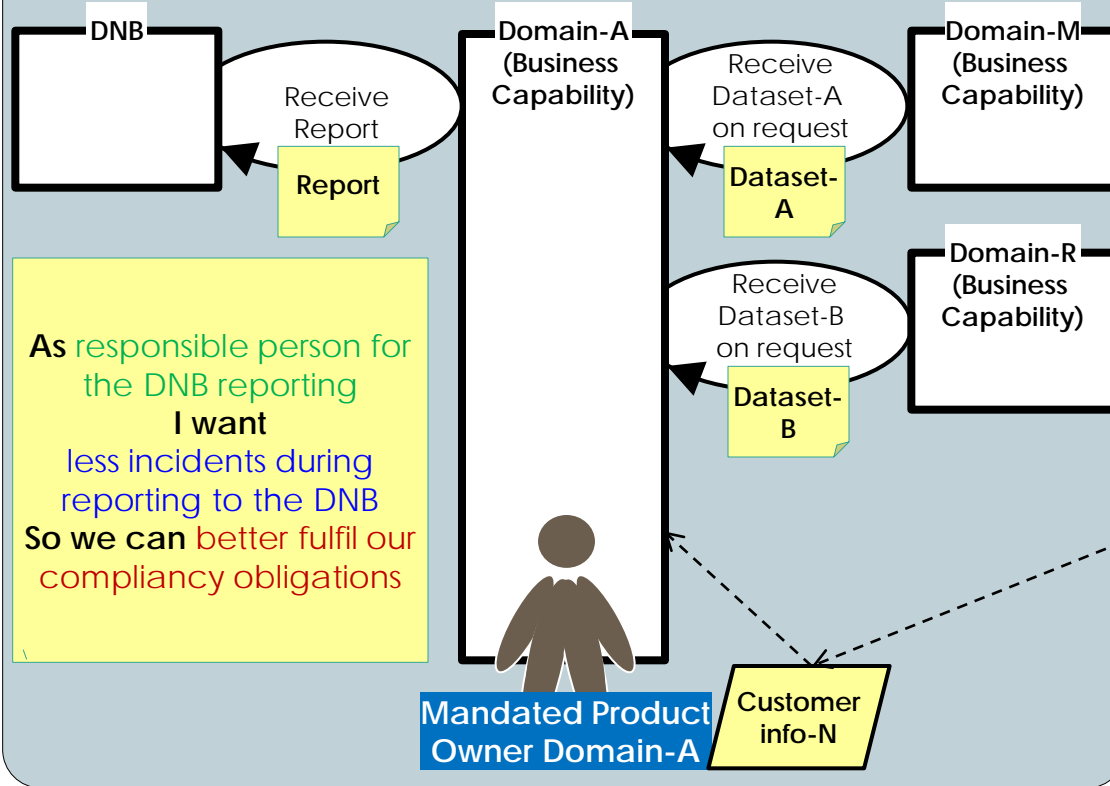
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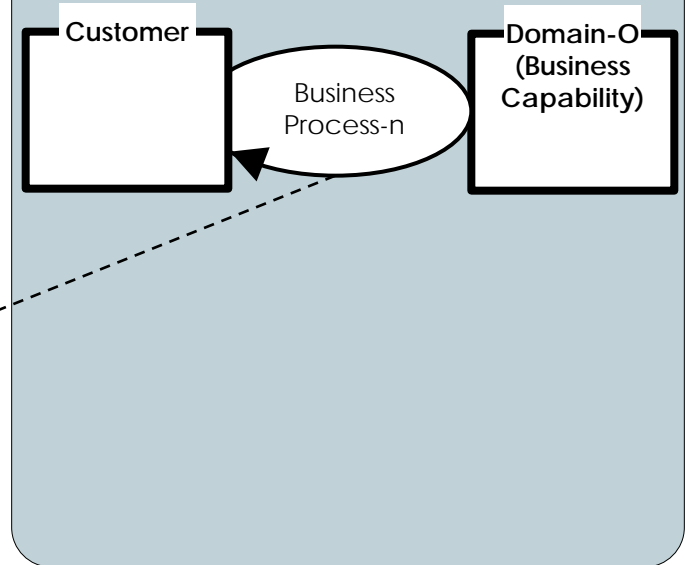
# Reporting to the DNB: value stream(s)

Business Epic; Product Increments	Bus Objective Value Stream Bus Capability	
User Story	Clusters Stakeholder & solution RQ	Design

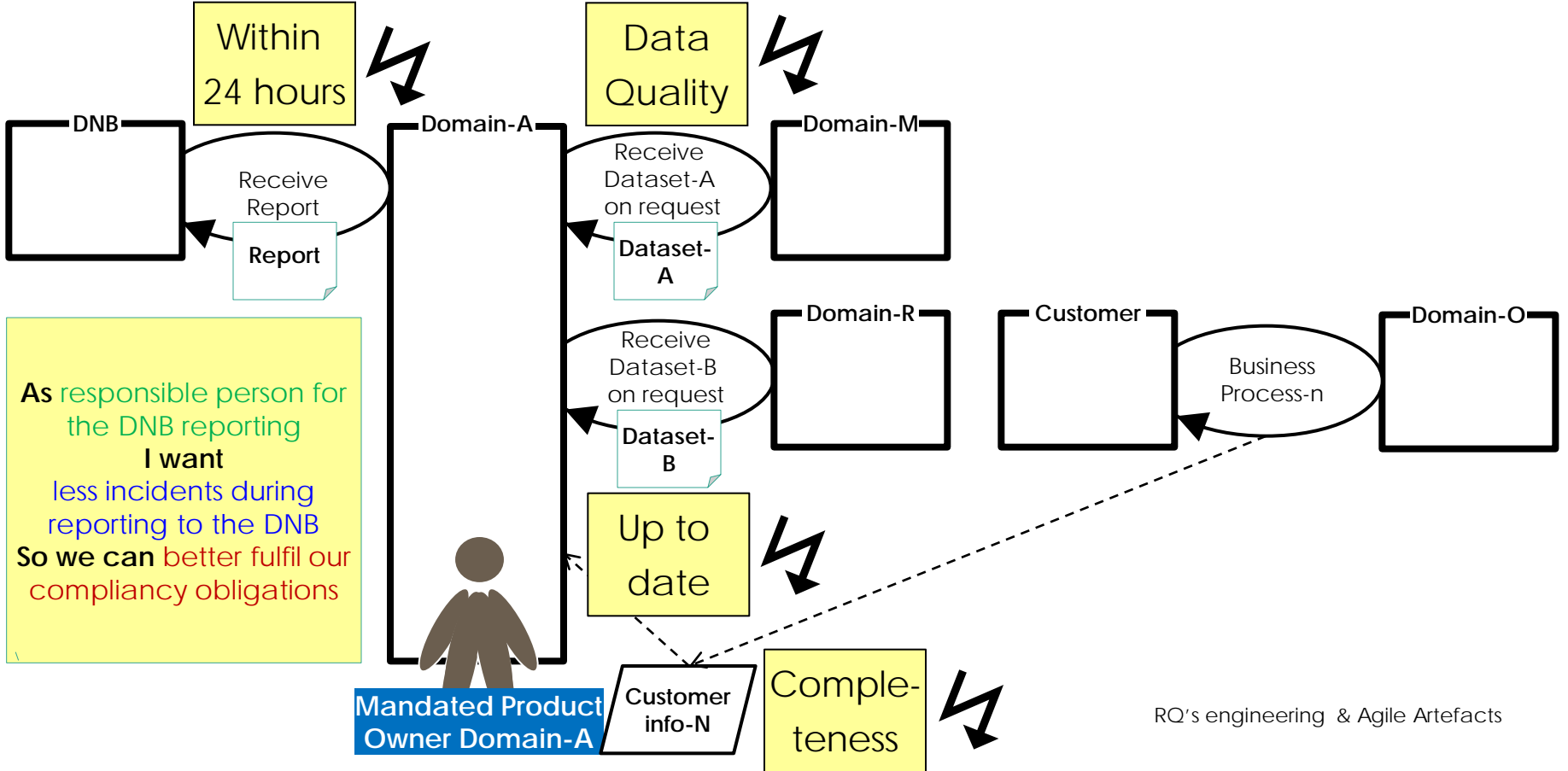
Value stream 'Reporting to DNB'



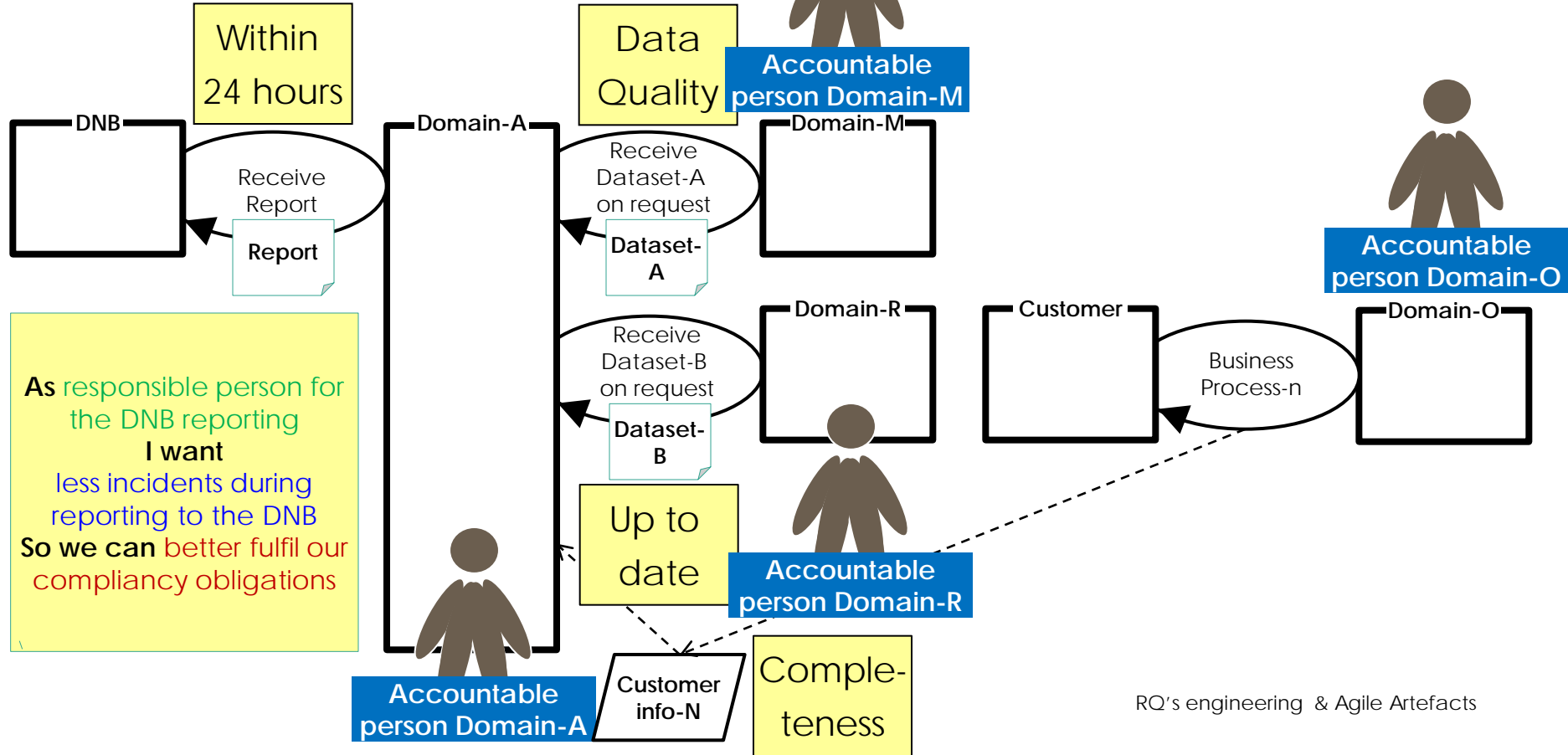
Value stream 'X'



# Reporting to the DNB: *problems in value streams*



# Reporting to the DNB: **accountabilities** in value streams



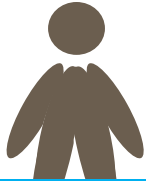


Within  
24 hours

Data  
Quality

Up to  
date

Comple-  
teness



Mandated Product  
Owner Domain-A

- User Story-1
- User Story-2
- User Story-3
- User Story-4
- User Story-5
- User Story-6
- User Story-7
- User Story-8
- User Story-9

Scrum  
team-1



Mandated Product  
Owner Domain-M

- User Story-1
- User Story-2
- User Story-3
- User Story-4
- User Story-5
- User Story-6
- User Story-7
- User Story-8
- User Story-9

Scrum  
team-2



Mandated Product  
Owner Domain-R

- User Story-1
- User Story-2
- User Story-3
- User Story-4
- User Story-5
- User Story-6
- User Story-7
- User Story-8
- User Story-9

Scrum  
team-3



Mandated Product  
Owner Domain-O

- User Story-1
- User Story-2
- User Story-3
- User Story-4
- User Story-5
- User Story-6
- User Story-7
- User Story-8
- User Story-9

Scrum  
team-n

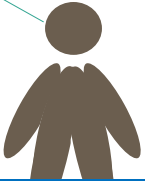
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**Business Epic-x**  
As *accountable* person for the DNB reporting  
I want  
to comply better to the (new) DNB-regulations  
So we can *keep our banking licence*

Business Objective

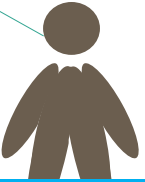
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Accountable  
person Domain-A

- Business Epic-x
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- Business Epic-9

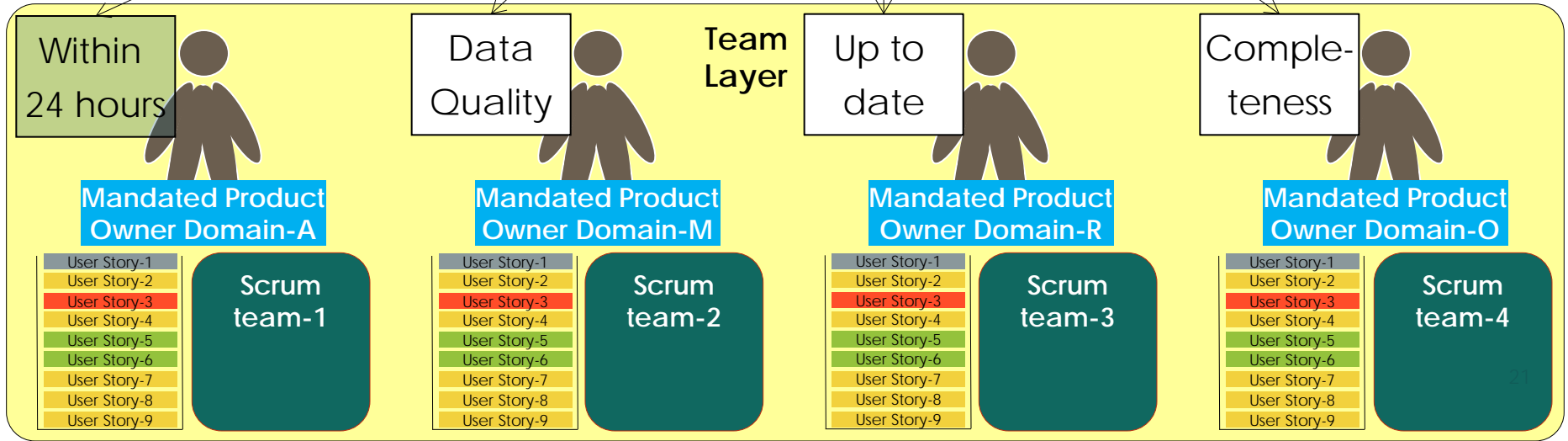
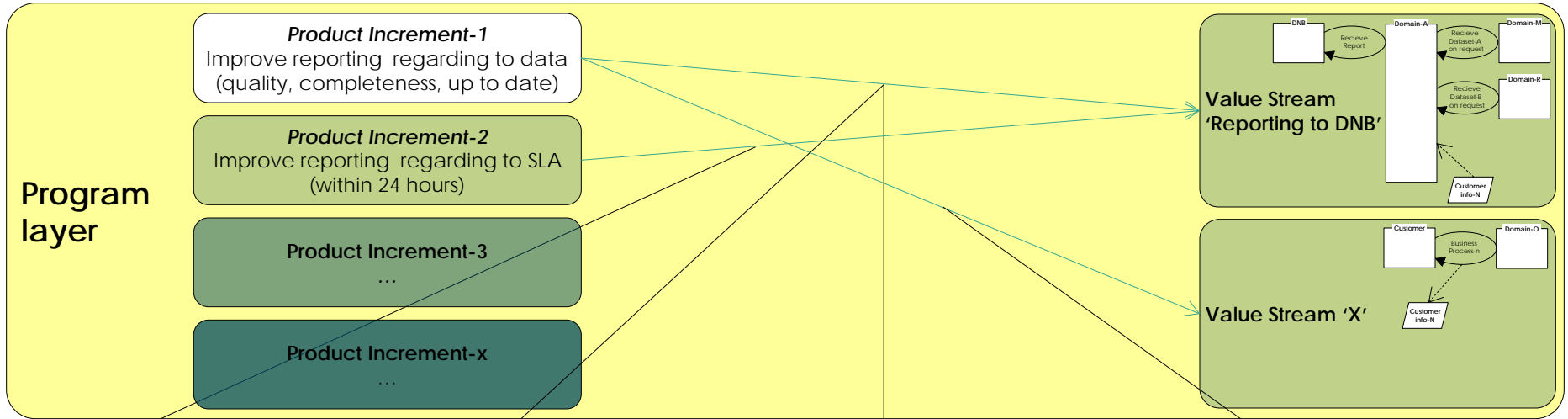
**User Story**  
As *responsible* person for the DNB reporting  
I want  
less incidents during reporting to the DNB  
So we can *better fulfil our compliancy obligations*



Mandated Product  
Owner Domain-A

# Requirements Engineering and Agile Artefacts

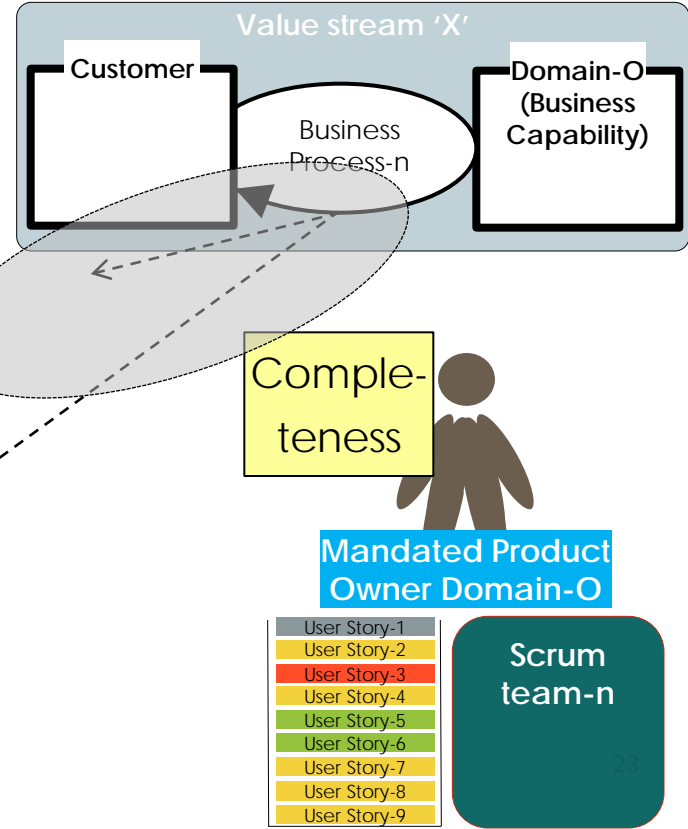
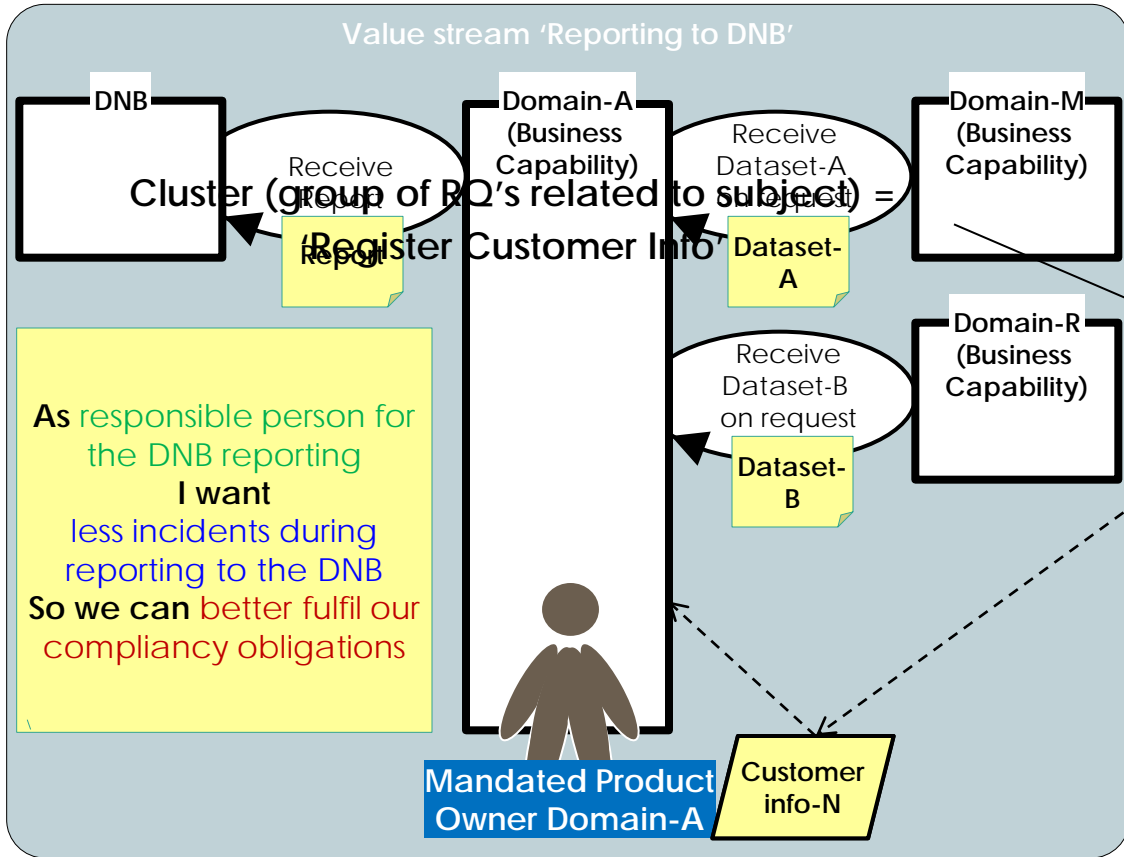
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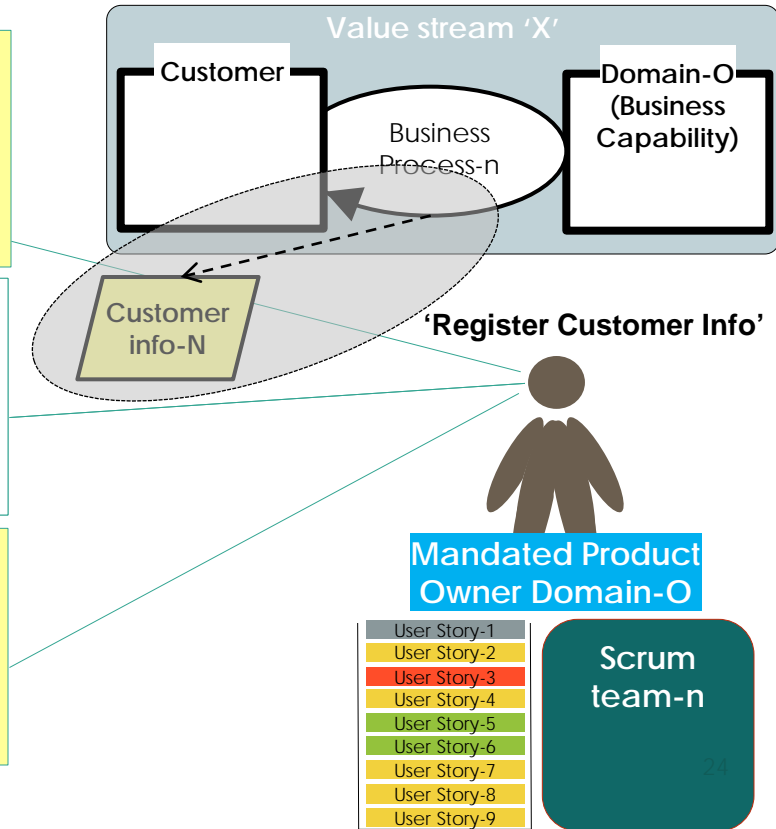


Business Epic; Product Increments	Bus Objective Value Stream Bus Capability	
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**Stakeholder Requirement**  
 As responsible person for Customer info  
 I want the system  
 to show the customer the [customer data] we already know  
 So we don't annoy him with unnecessary questions and we  
 give him the possibility to update his/her data

**Stakeholder Requirement**  
 As responsible person for Customer info  
 I want the system  
 to store the [customer data] entered1) by the customer  
 So we have his/her up to date information available  
 1) changed or new

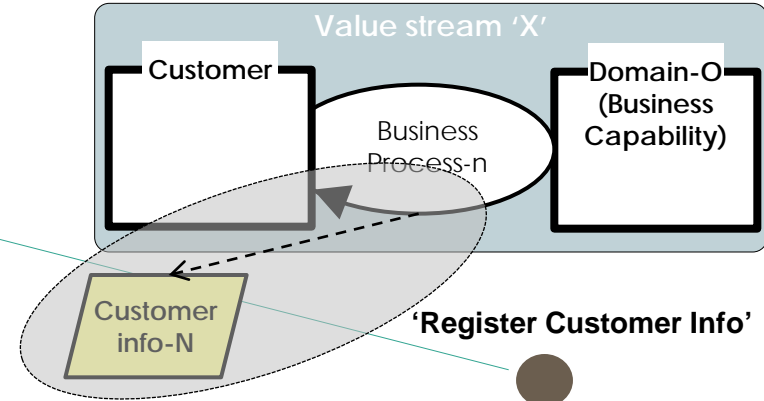
**[customer data]**  
 Name\*  
 Adress\*  
 ZIP-code\*) & City\*  
 LEI\*2) (= Legal Entity Identifier)  
 \*) = Mandatory 2) New RQ, needed for DNB-reporting





Business Epic; Product Increments	Bus Objective Value Stream Bus Capability	
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**Stakeholder Requirement**  
 As responsible person for Customer info  
 I want the system  
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 So we don't annoy him with unnecessary questions and we  
 give him the possibility to update his/her data



**RQ's Acceptance Criteria**  
 As responsible person for Customer info  
 I accept the solution regarding to this RQ when  
 It's clear to the customer which data is mandatory

**RQ's Acceptance Criteria**  
 As responsible person for Customer info  
 I accept the solution regarding to this RQ when  
 It's clear to the customer that (s)he has the  
 possibility to change the value of pre-filled fields

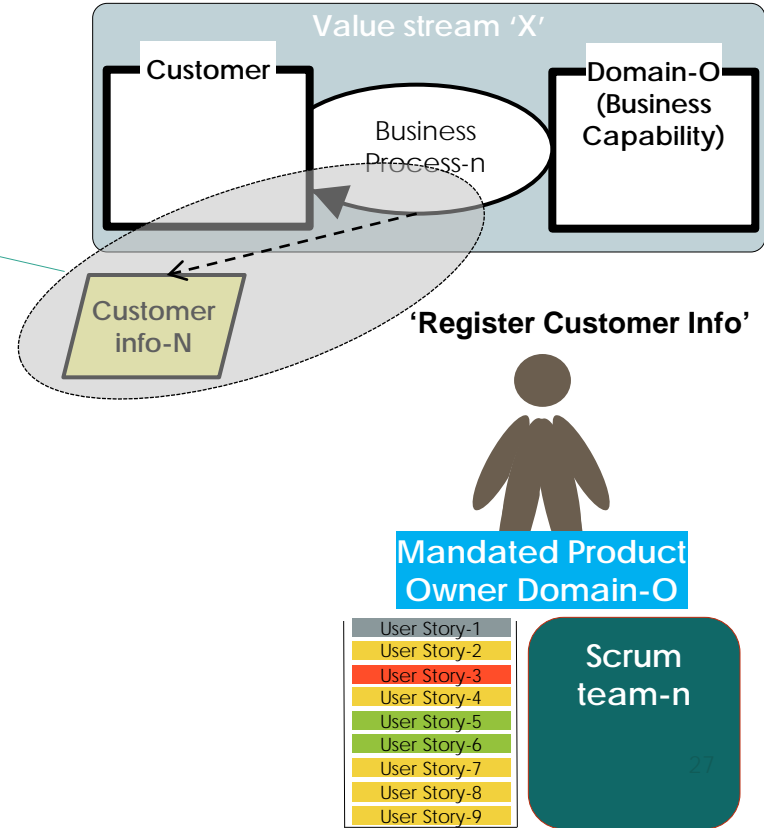
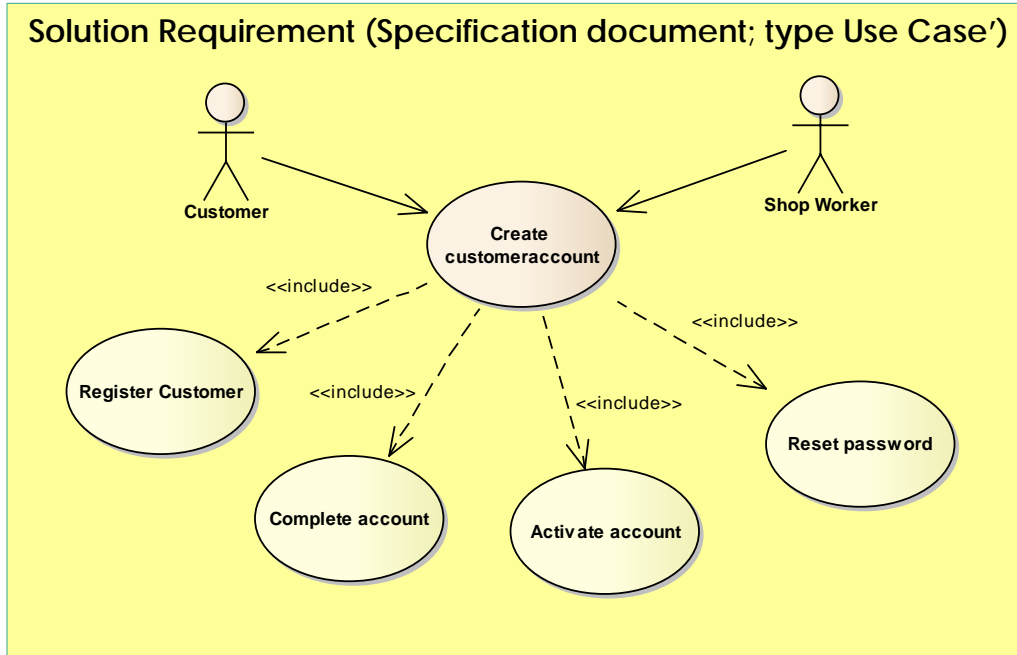
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Scrum team-n

# Requirements Engineering and Agile Artefacts

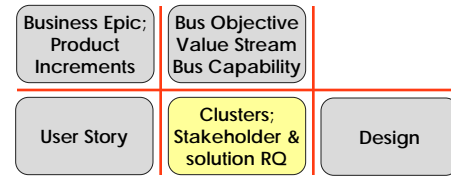
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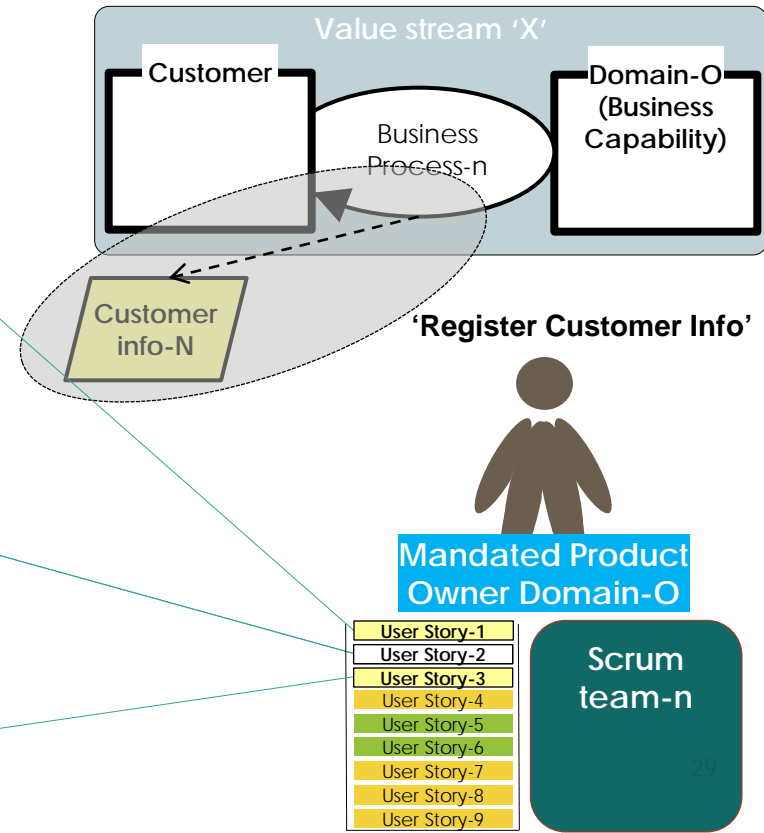
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**User Story-1**  
 As responsible person for Customer info  
 I want the system  
 to show the customer the [customer data] we already know  
 So we don't annoy him with unnecessary questions and we give  
 him the possibility to update his/her data

**User Story-2**  
 As responsible person for Customer info  
 I want the system  
 to show the customer the [customer data] we already know  
 conform the acceptance criteria (= mandatory/change prefilled)  
 So we increase the change of capturing mandatory and  
 changed [customer data]

**User Story-3**  
 As responsible person for Customer info  
 I want the system  
 to store the [customer data] entered1) by the customer  
 So we have his/her up to date information available  
 1) changed or new



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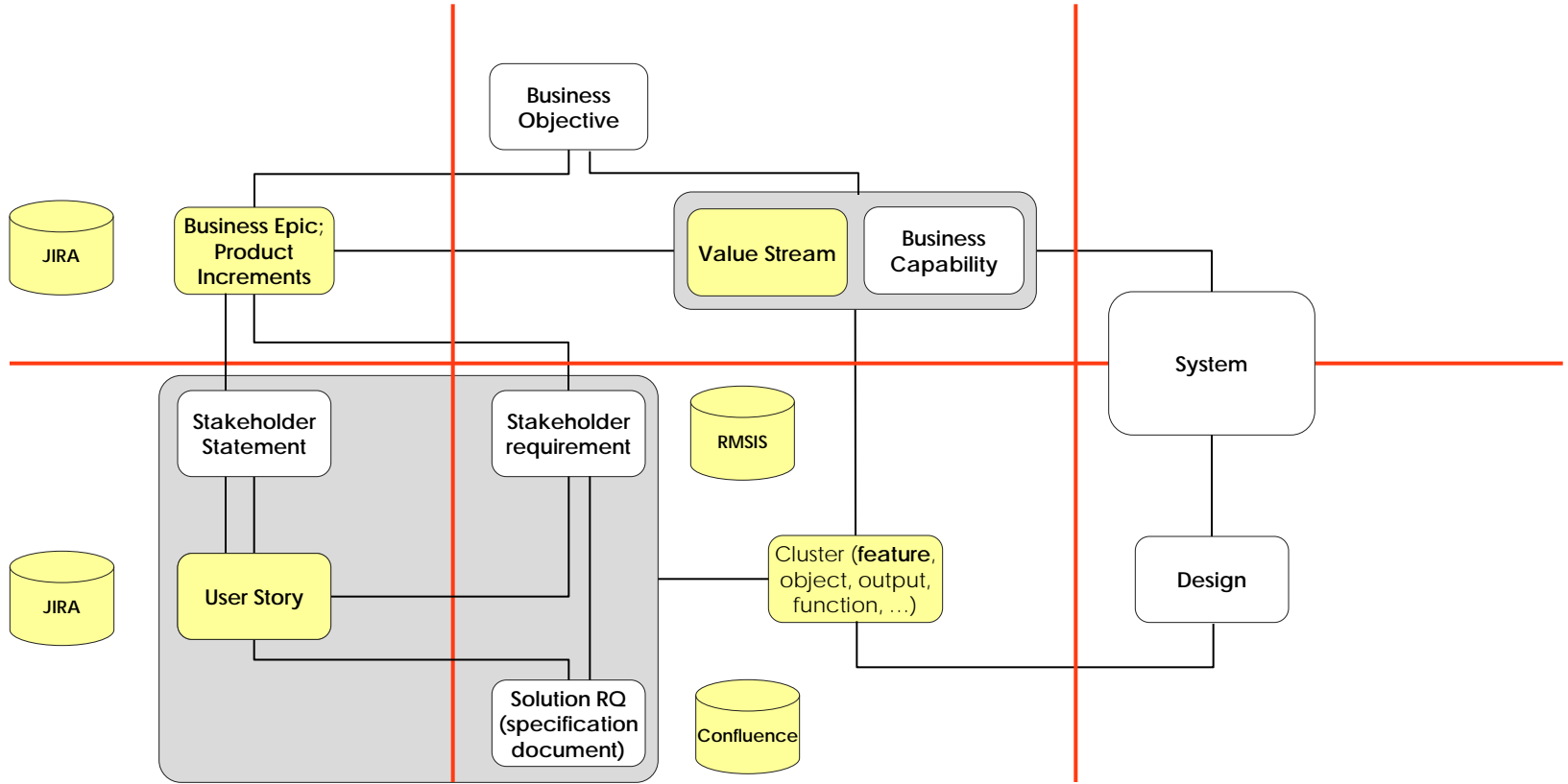
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Change documentation

Implementation independent  
System documentation

System & implementation dependent  
System documentation

Business layer  
Stakeholder & Solution layer



# How does this help – Your team?

- ▶ Doing the right Thing, and doing things right.
- ▶ Enabling the PO to prioritise on backlog items
- ▶ Be Agile & stay agile, by managing your information
- ▶ Enabling focus on the change, not on reverse engineering
- ▶ Relate changes to their value streams
- ▶ Defining Product Increments



# How does this help – You?

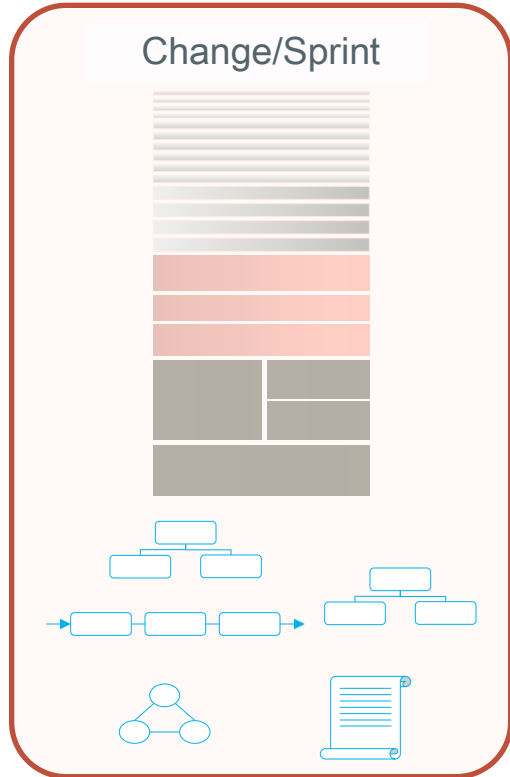
- ▶ Quick turnaround on impact analysis
- ▶ Enable quick time to market
- ▶ Supports refinement & estimation

# How does this help – Your organisation?

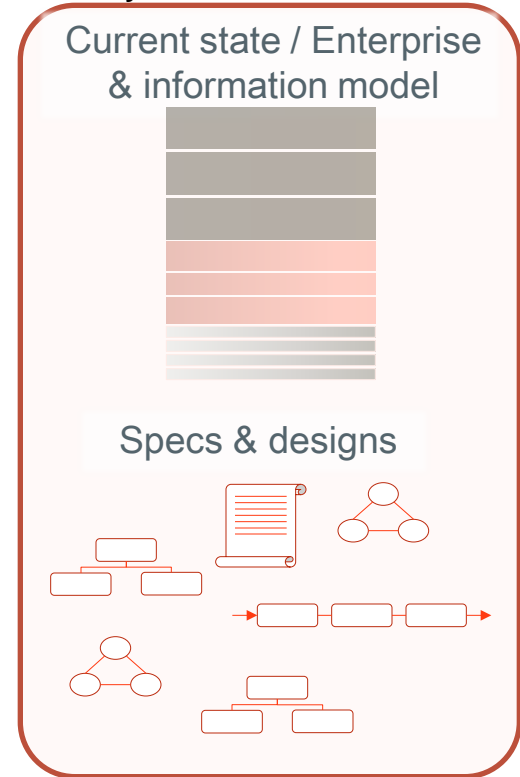
- ▶ By using the same language, increase effectiveness of team cooperation
- ▶ Enabling compliancy on Audit points & control objectives
- ▶ Support quick onboarding of new team members, employability
- ▶ Pave the way for future developments (DevOps)

# Agile artefacts & RQ's - perpetually linked

## Change documentation



## Implementation independent System documentation



Check out

Check in  
New & updated

## *Castles in the air or fit for future*

