

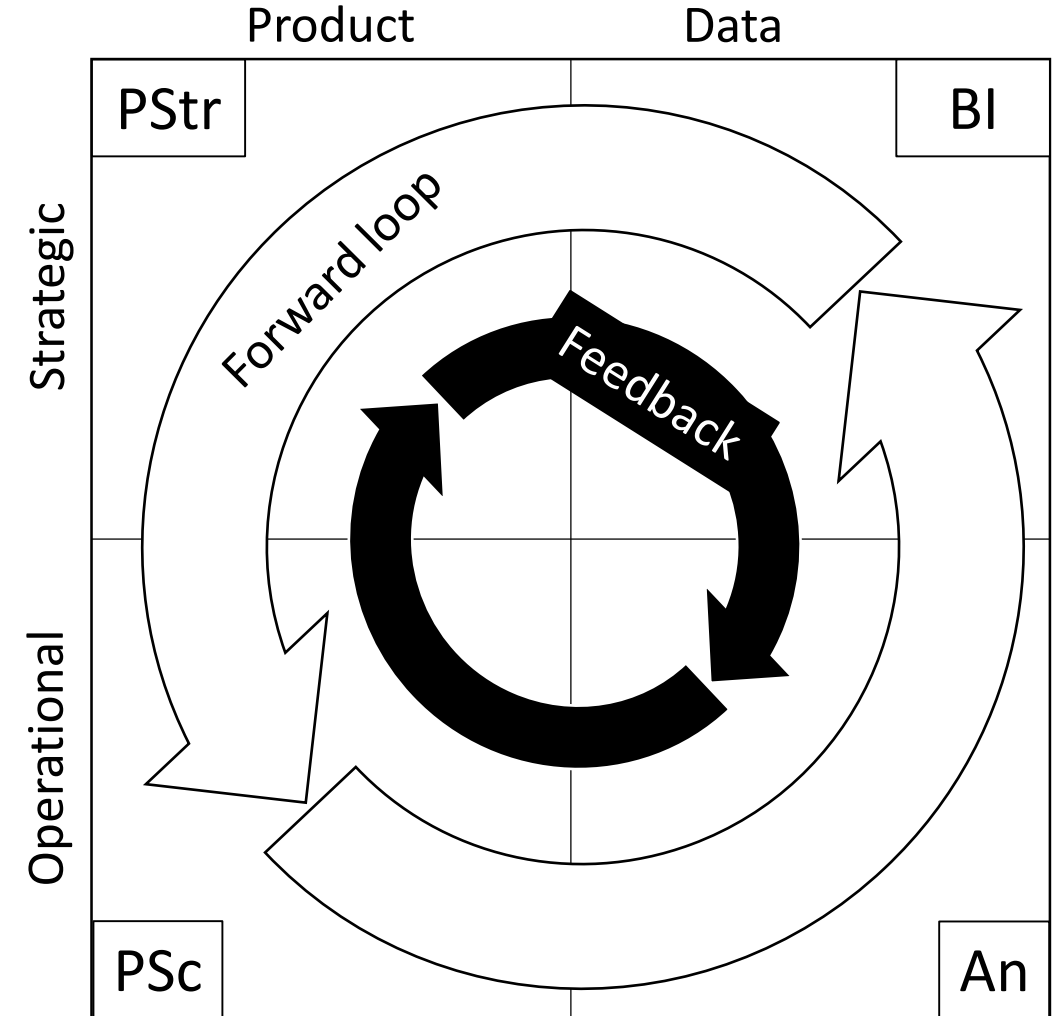
# QREME – Quality Requirements Management model for supporting decision-making

**Thomas Olsson** and Krzysztof Wnuk

REFSQ, Utrecht, March 2018

RISE Research Institutes of Sweden

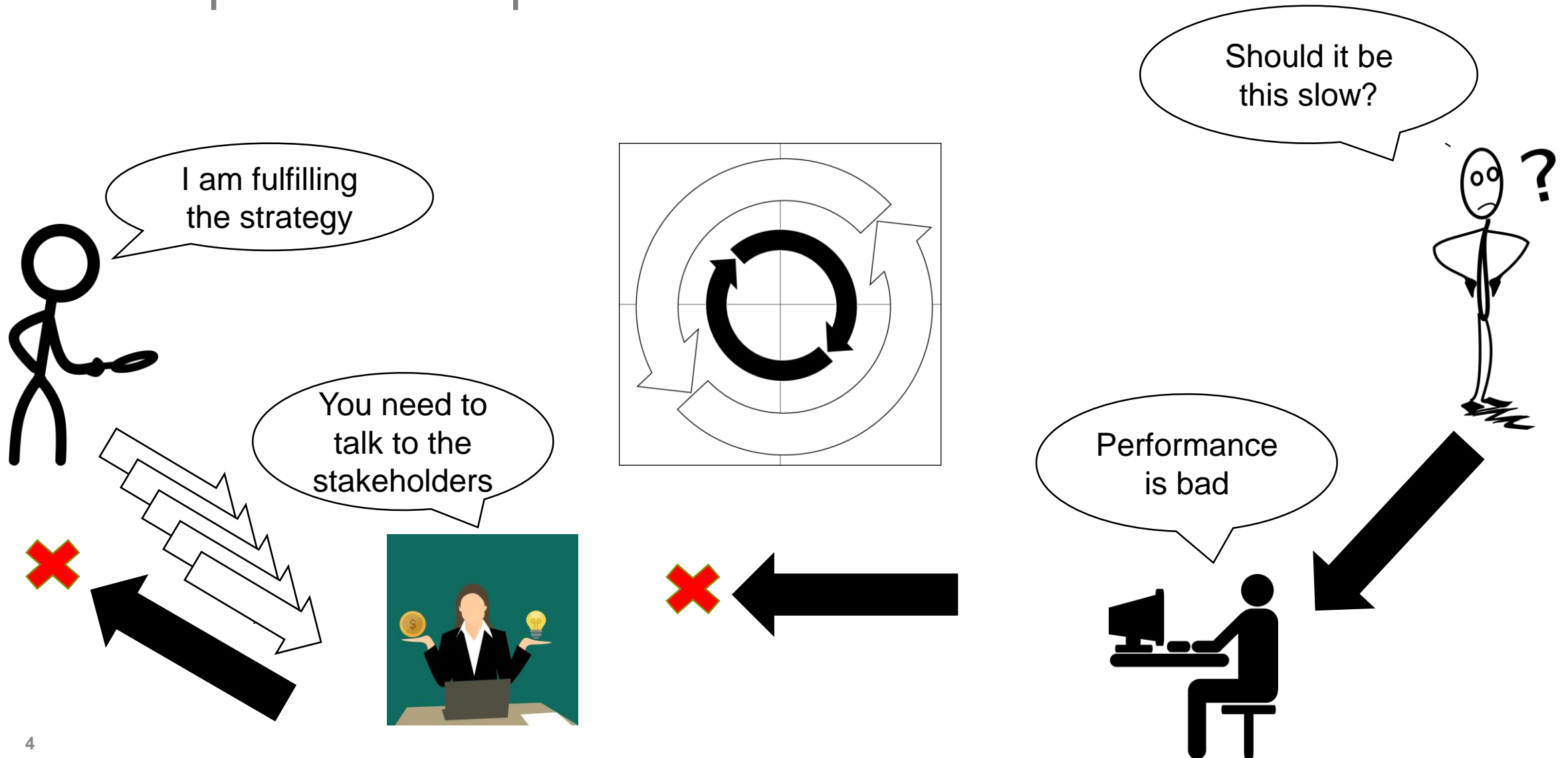
**Software and Systems Engineering  
ICT Division**



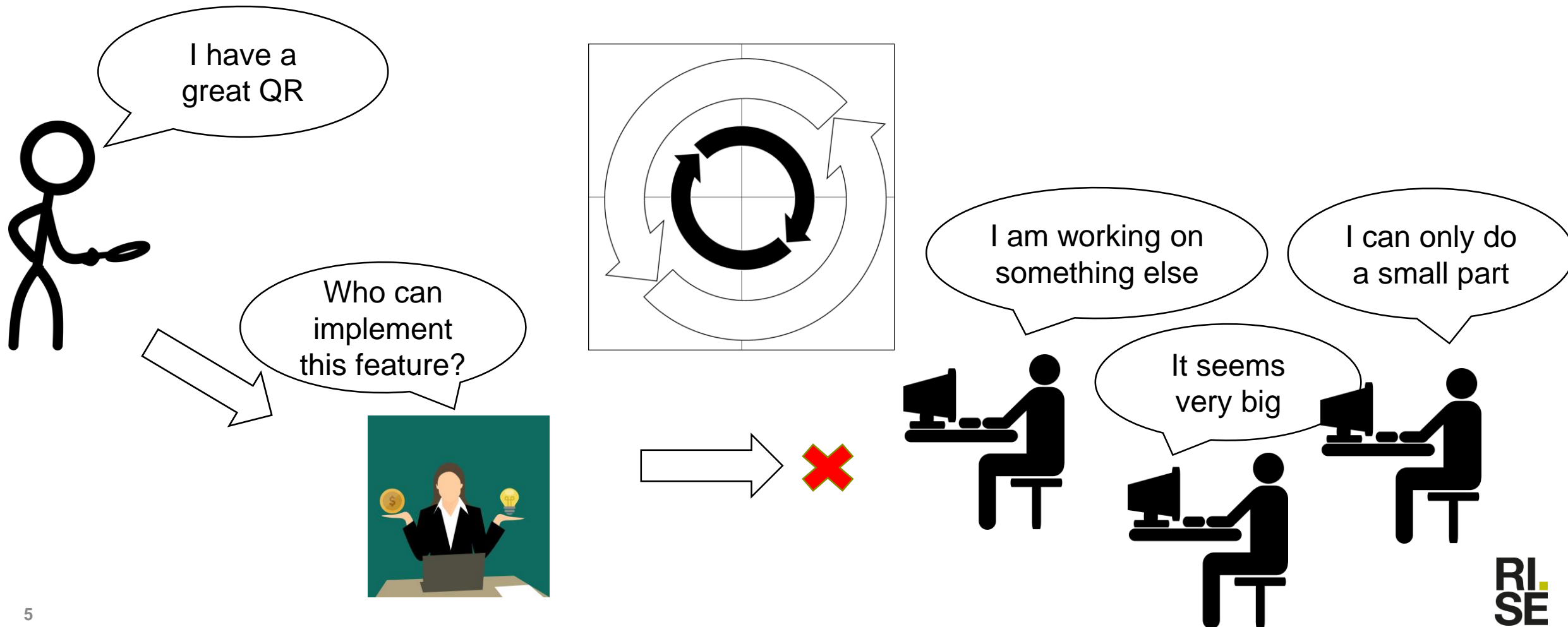
How can we support portfolio and product decision makers with respects to QRs?

# Background

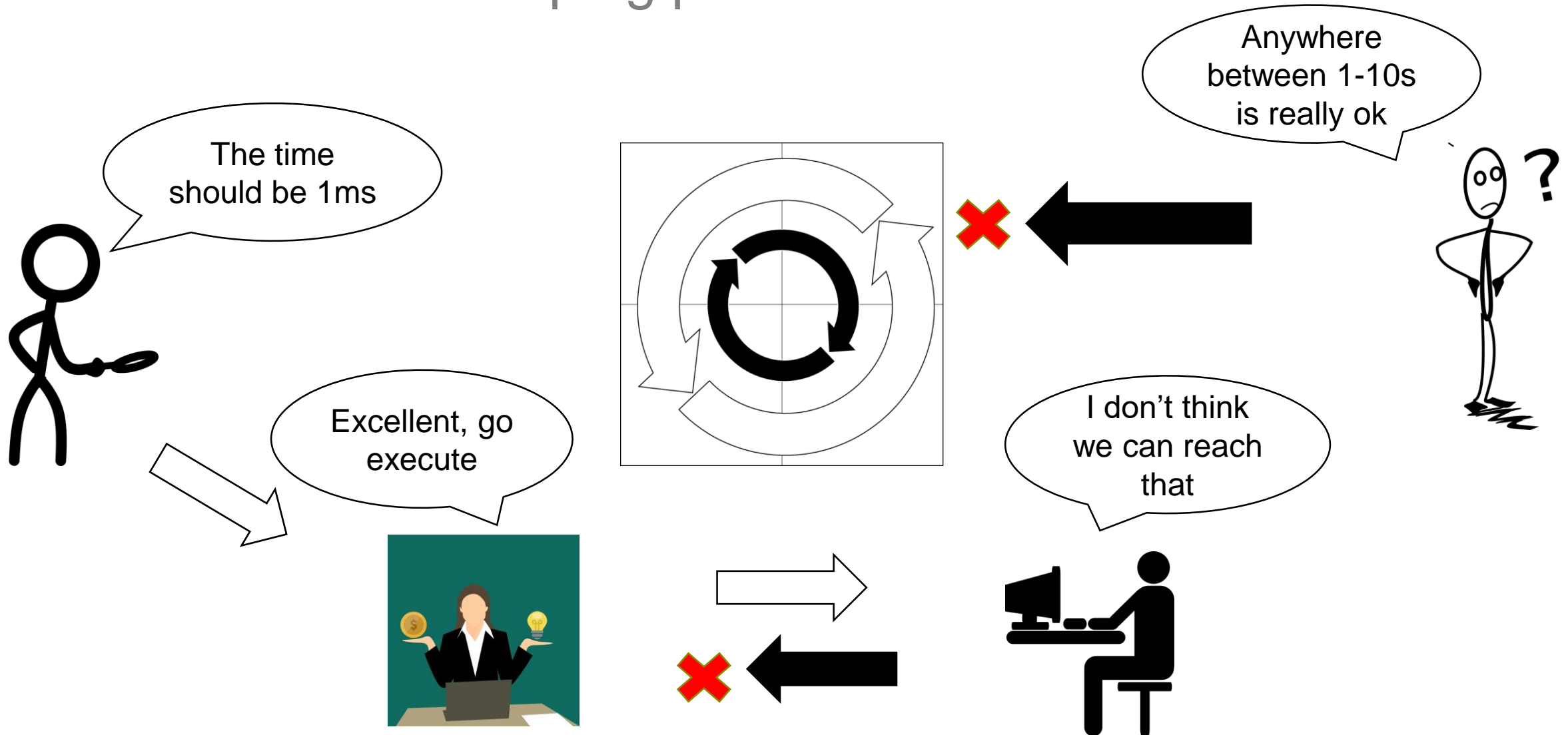
# There is a need for an explicit feedback from usage data to the scope decision process



# There is a need for explicit scope decisions on both strategic and operational levels



# Business intelligence and usage data should explicitly be connected to the scoping process



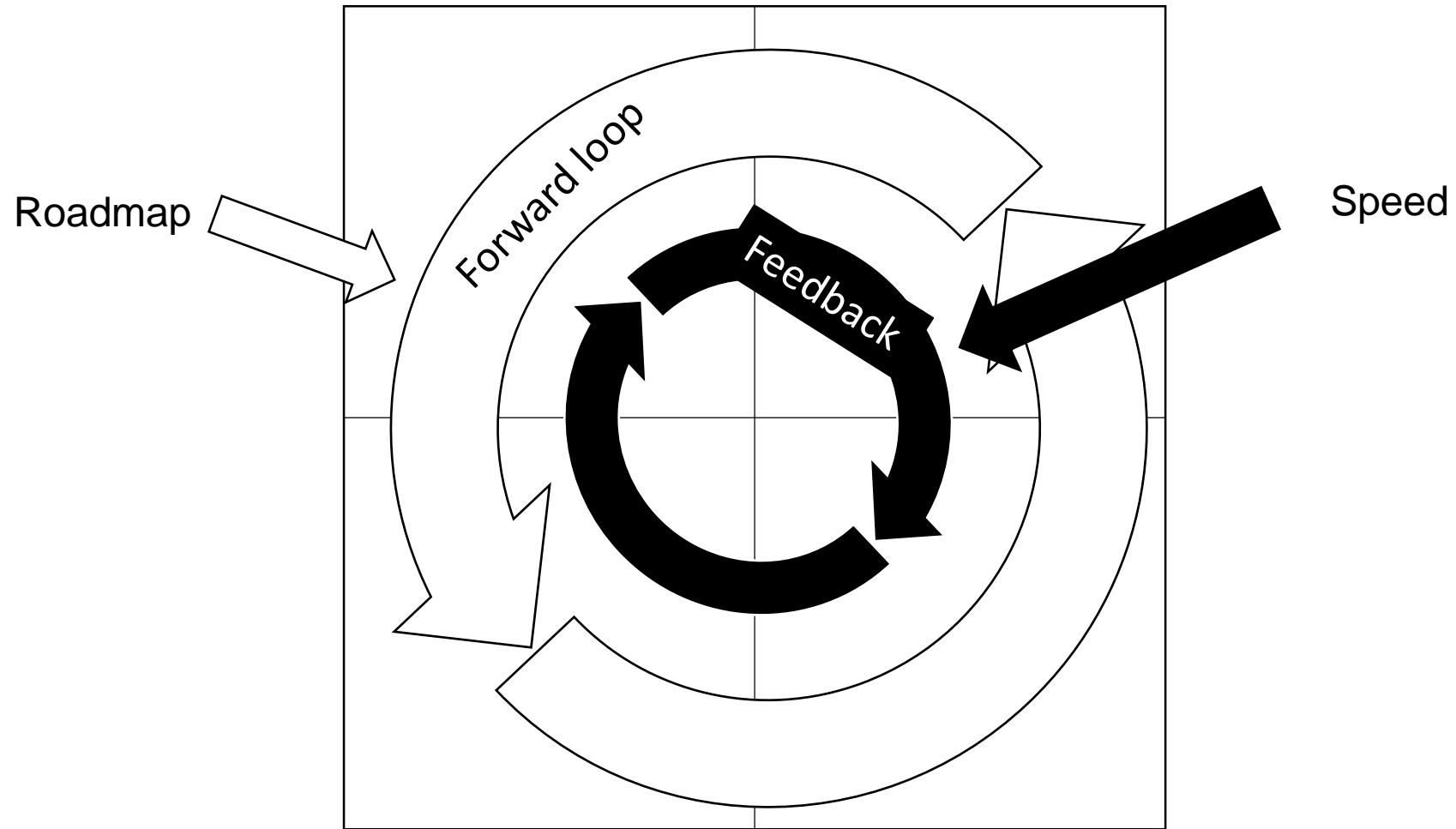
QREME

# Goals

- Shorter lead-time from inception to scope decision
- Better effectiveness of scope decisions
- Better use of resources



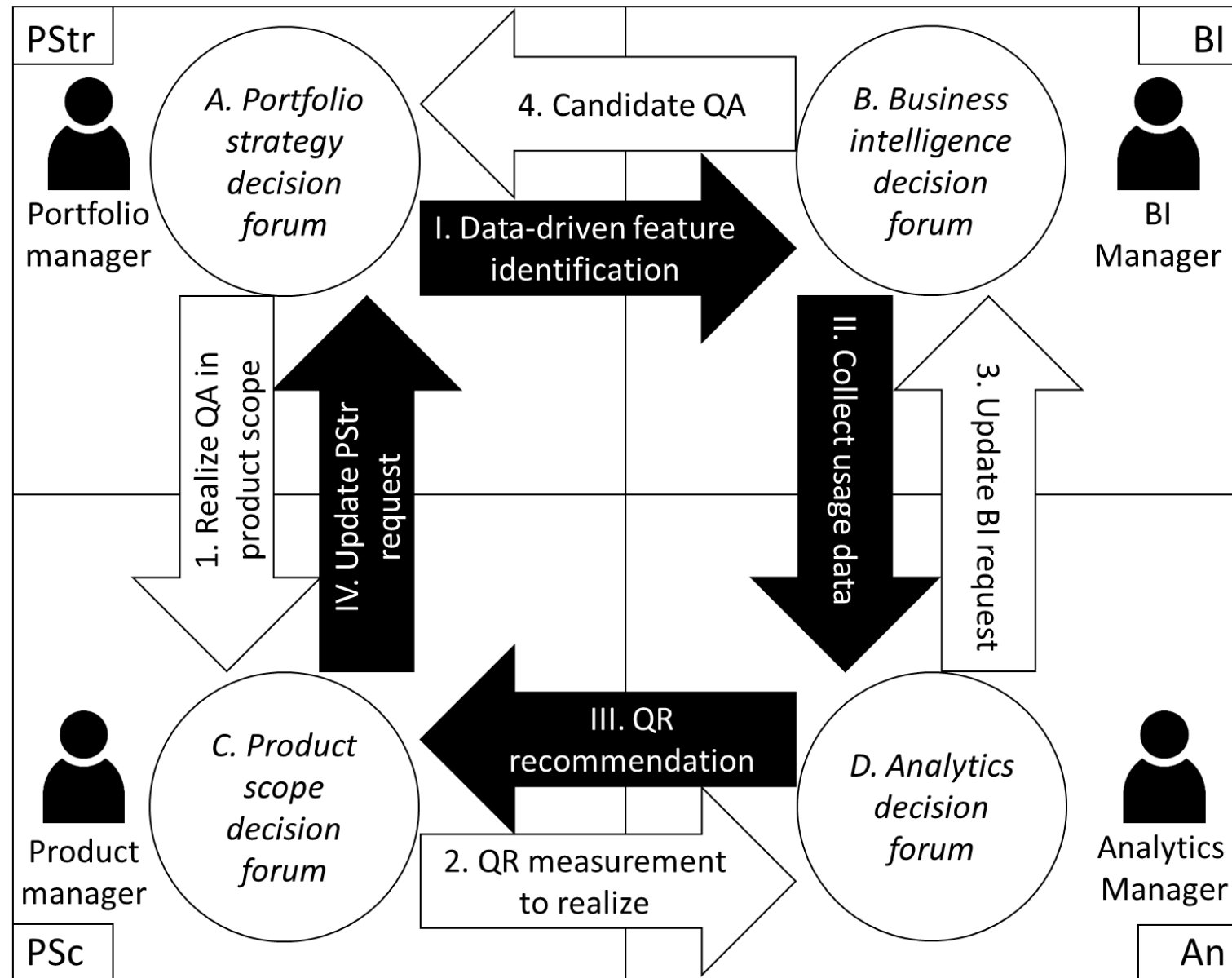
# The forward- and feedback-loop



# Level and dimension – compact digital camera examples

Product		Data	
Strategic	PStr		BI
	<ul style="list-style-type: none"><li>- Market leader on shot-to-shot</li><li>- Good enough viewing response-time</li></ul>	<ul style="list-style-type: none"><li>- Competitors<ul style="list-style-type: none"><li>- Mobile phones</li><li>- DSLR</li></ul></li><li>- Customer groups<ul style="list-style-type: none"><li>- Young adults</li><li>- Professionals</li></ul></li></ul>	
Operational	<ul style="list-style-type: none"><li>- R1: Zero-to-shot: 1s</li><li>- R1: Shot-to-shot: 0.7</li><li>- R2: Shot-to-shot low res: 0.5</li></ul>	<ul style="list-style-type: none"><li>- Camera start-up time</li><li>- Shot-to-Shot time</li><li>- Viewer start-up</li><li>- Low resolution viewer experiment</li></ul>	
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# Continuous interaction in the scoping process



# Future work

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- Validate the underlying empirical assumptions in other companies
- Elicit practitioner feedback on QREME
- Evaluate QREME in a case study

THANK YOU!

Thomas Olsson

thomas.olsson@ri.se

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