

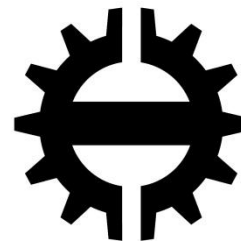
# TOWARDS POST-AGILE DEVELOPMENT PRACTICES THROUGH PRODUCTIZED DEVELOPMENT INFRASTRUCTURE

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# Post-agile with CD

- Agile manifesto, the old way:
  - Individuals and interactions over processes and tools
  - Working software over comprehensive documentation
  - Customer collaboration over contract negotiation
  - Responding to change over following a plan

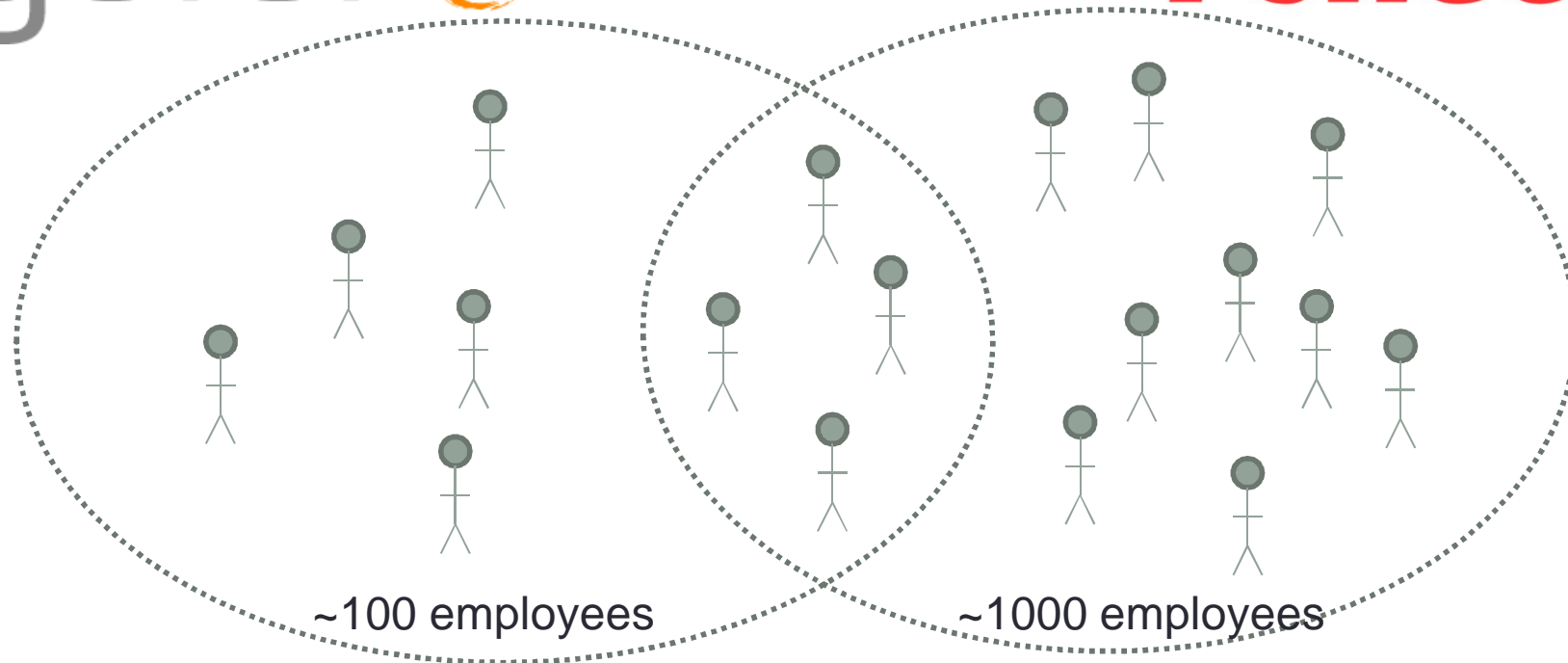
# Post-agile with CD

- Agile manifesto, the old way:
  - ~~Individuals and interactions over processes and tools~~
  - ~~Working software over comprehensive documentation~~
  - ~~Customer collaboration over contract negotiation~~
  - ~~Responding to change over following a plan~~
- More like?
  - Processes & tools supporting individuals and interactions
  - Valuable software
  - Customer collaboration with access to end user data
  - Change is an everyday phenomenon

# Case Companies

gofore

**Fonecta**<sup>®</sup>



- A special unit of 20 – 30 persons on Gofore side and 10 POs and 20 business analysts

# Uudistunut Fonecta.fi

Henkilöt ja yritykset yhdestä hausta

Henkilöt, yritykset, palvelut ja puhelinnumerot

Hae

Kartat ja reitit | Rekisterinumerohaku

## Hausa juuri nyt

[maanrakennus oulu](#)

[ruokakauppa](#)

[passikuva tampere](#)

[palosaaren apteekki](#)

[ravintola kuopio](#)

[eläinlääkäri lahti](#)

[asianajotoimisto](#)

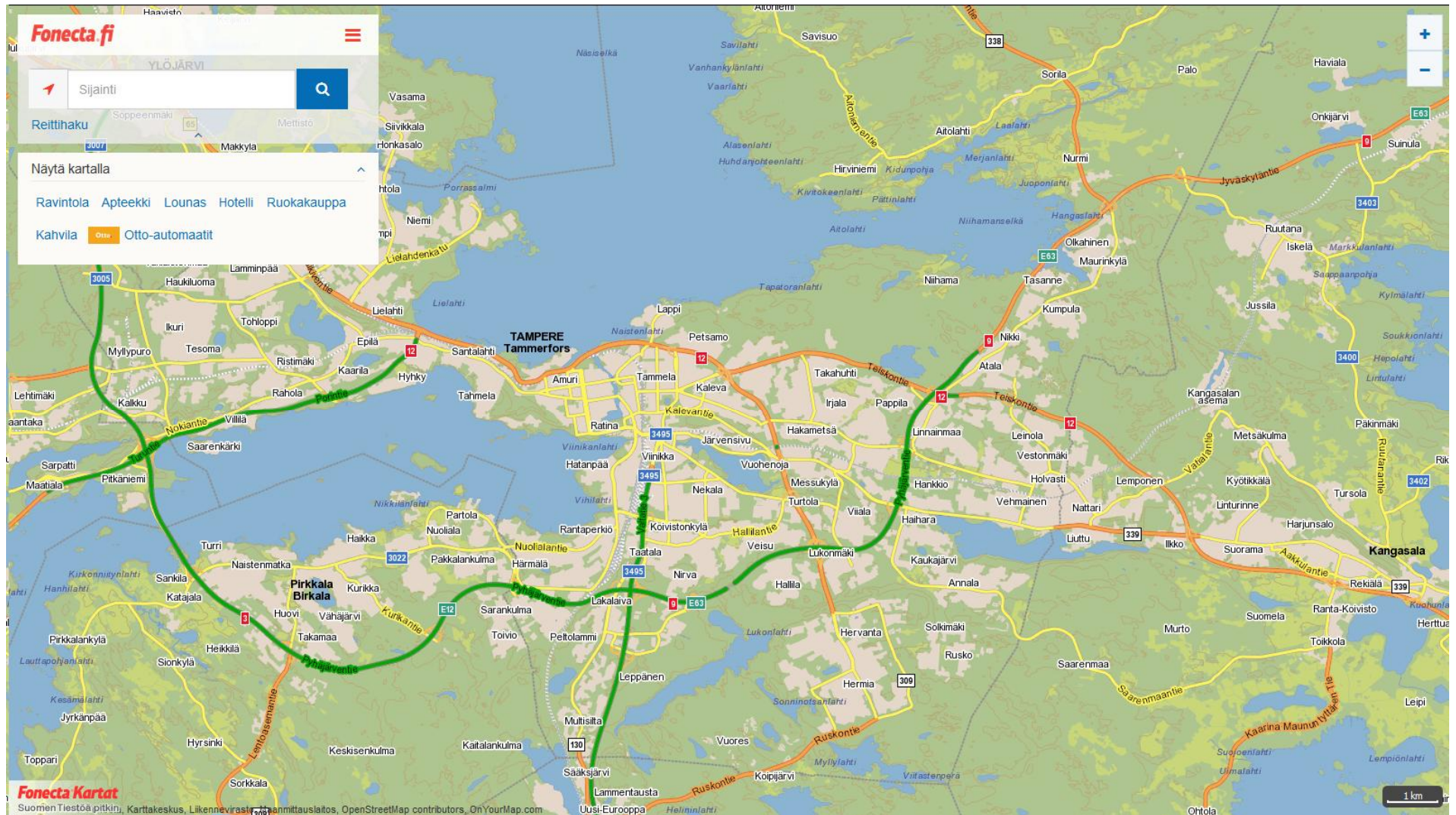
[kukkakauppa tampere](#)

[muuttopalvelu](#)

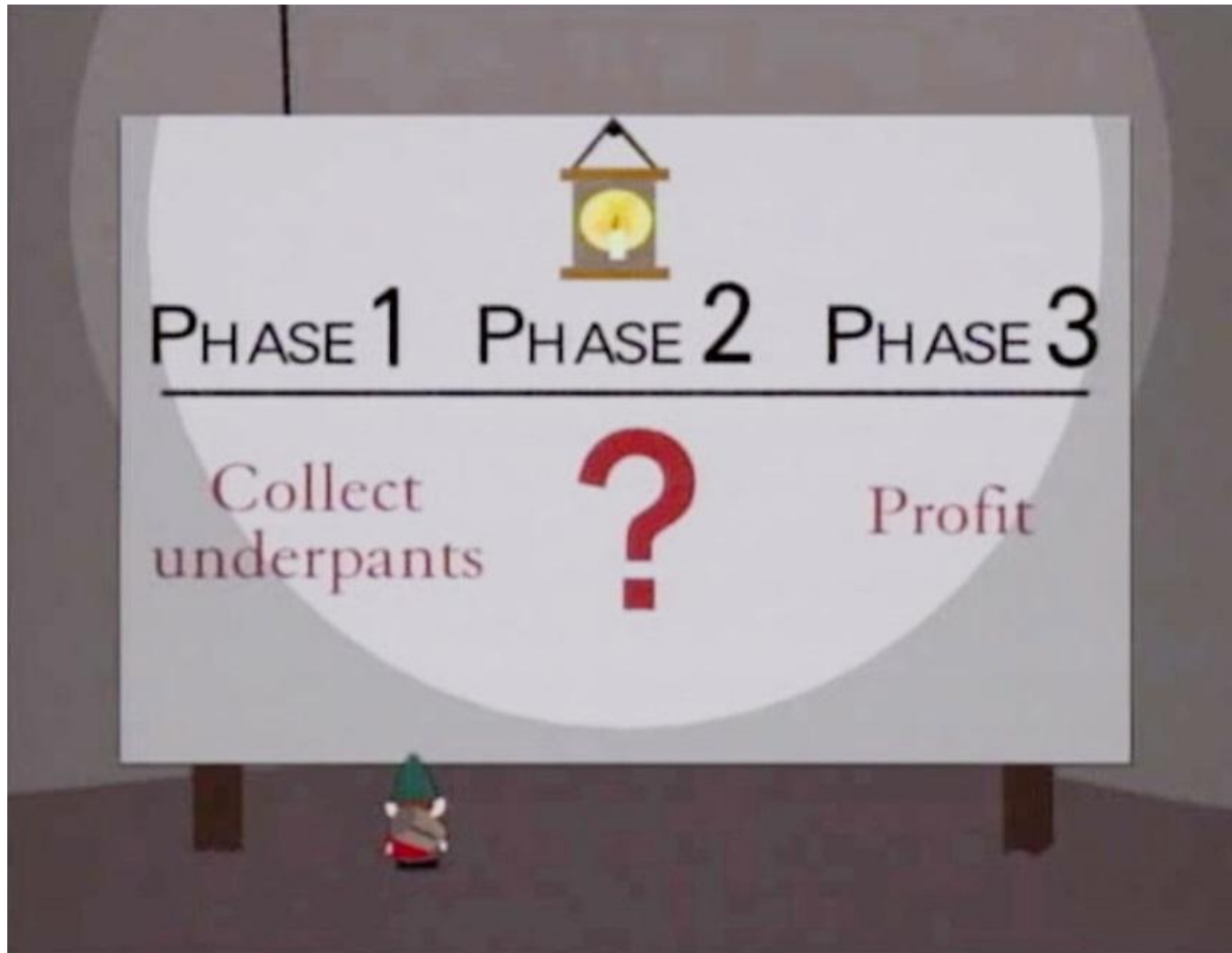


## Uutta juuri nyt

Joko olet tutustunut veneilykarttoihin Fonecta.fin kartoilla? Veneilykartat ovat nyt käytössäsi myös mobiililaitteilla. Täältä löytyy vaikka ottipaikat kevään kalastusreissuille! [Tutustu veneilykarttoihin täällä!](#)



# How to improve your business?





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- Processes & tools supporting individuals and interactions
- Valuable software
- Customer collaboration with access to end user data
- Change is an everyday phenomenon

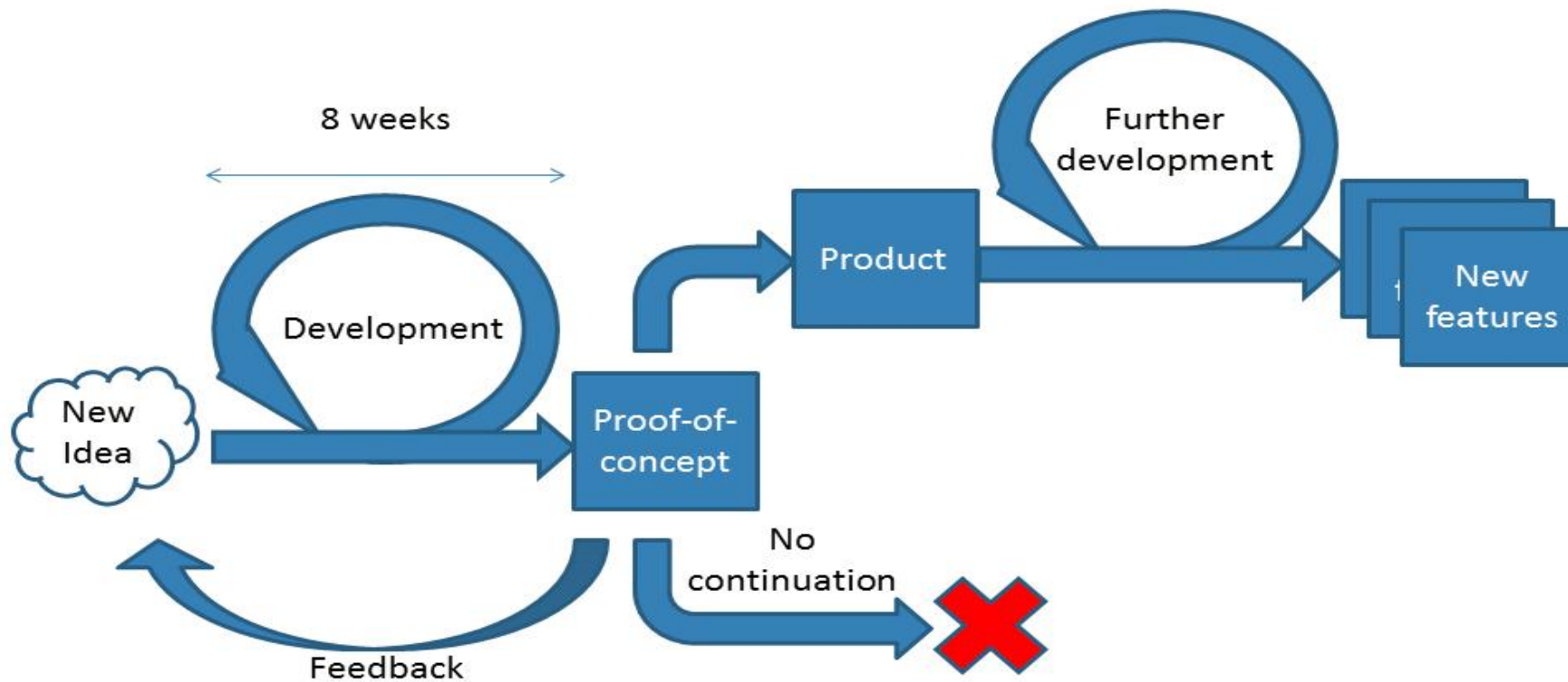


# How to improve your business?

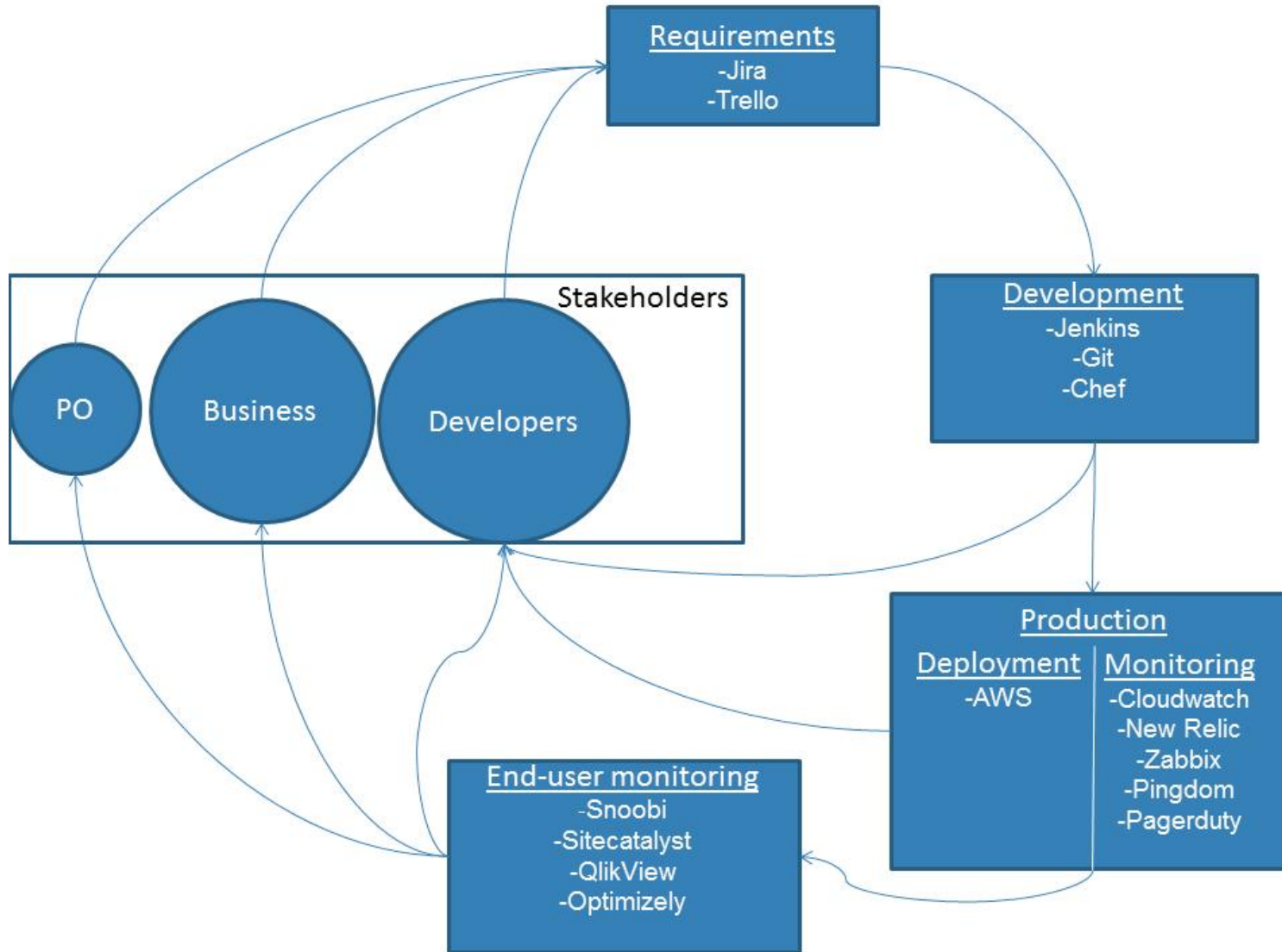
- Processes & tools supporting individuals and interactions
  - Infrastructure?
- Valuable software
  - Testing of business ideas?
- Customer collaboration with access to end user data
  - Feedback?
- Change is an everyday phenomenon
  - Rapid deploy and monitoring?
- Buzzword soup: Continuous Deployment and Rapid Feedback with Lean mindset? B-M-L cycle

# Research questions

1. What kind of **infrastructure** is used in the development to enable rapid Continuous Deployment?
2. What are the beneficial **feedback cycles** in Continuous Delivery?
3. Which **benefits** of Continuous Deployment proposed in literature have been gained in practice?



the proof-of-concept phase



the process loops and tools

# Results RQ1

- What kind of infrastructure is used in the development to enable rapid Continuous Deployment?
  - High productization
    - + Speed of setup
    - + A plethora of analytic data sources = feedback!
    - + Known feedback loops
    - Low truck factor
    - Domain restrictions
  - This sounds like something that could be sold?

# Results RQ2

- **RQ2:** What are the beneficial feedback cycles in Continuous Delivery?
  - CD: in testing new ideas , quick feedback can be obtained from end users
  - CI: feedback on commits
  - Monitoring: feedback on technical quality
  - All this gives end users what they want and need
- A little downside: too much data

# Results RQ3

- **RQ3:** Which benefits of Continuous Deployment proposed in literature have been gained in practice?
  - R&D as an experiment system
  - Development as requirements elicitation
  - Team empowerment, anyone can promote their changes at will
  - Standard development environment AND standard analytics
  - High degree of control for development infrastructure



# Questions?

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