Partnership for Cyber Security Innovation

Early Warning System Insider Attacks

Partnership for Cyber Security Innovation is a collaboration of

ING

ABN·AMRO

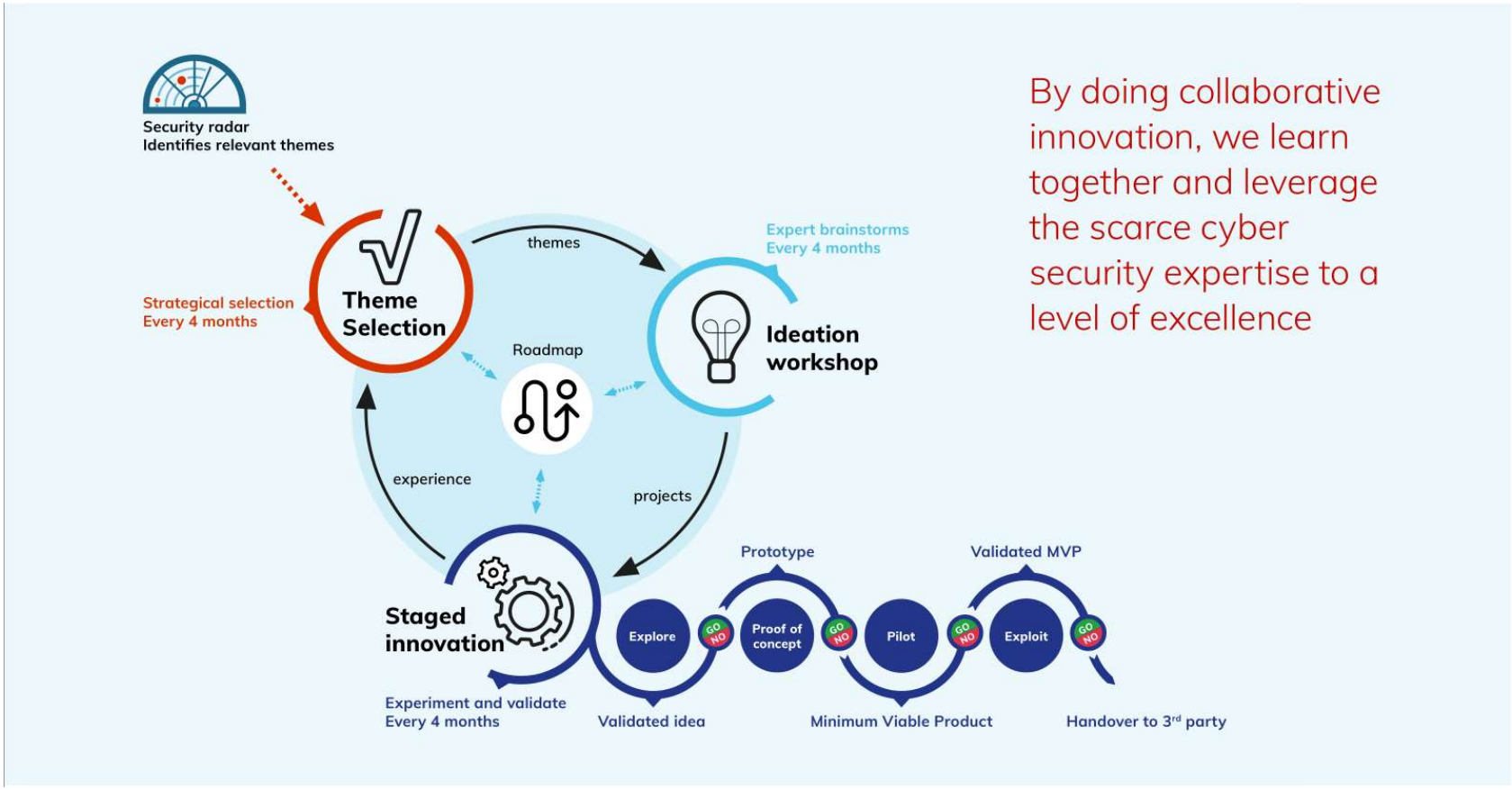
achmea

TNO

de volksbank

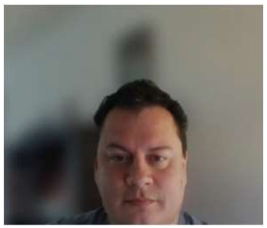
ASML

From Explore to Experiment



Who is our team?

Krista van Kan (de Volksbank)

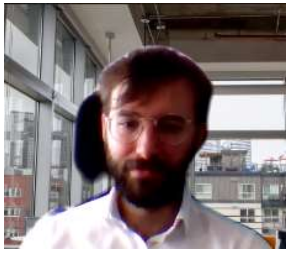


Jeffrey Janssen (ABN AMRO)

Ellen van Bergen (TNO)

Tineke Hof (TNO)

Rick van der Kleij (TNO)



Age Kruijssen (TNO)

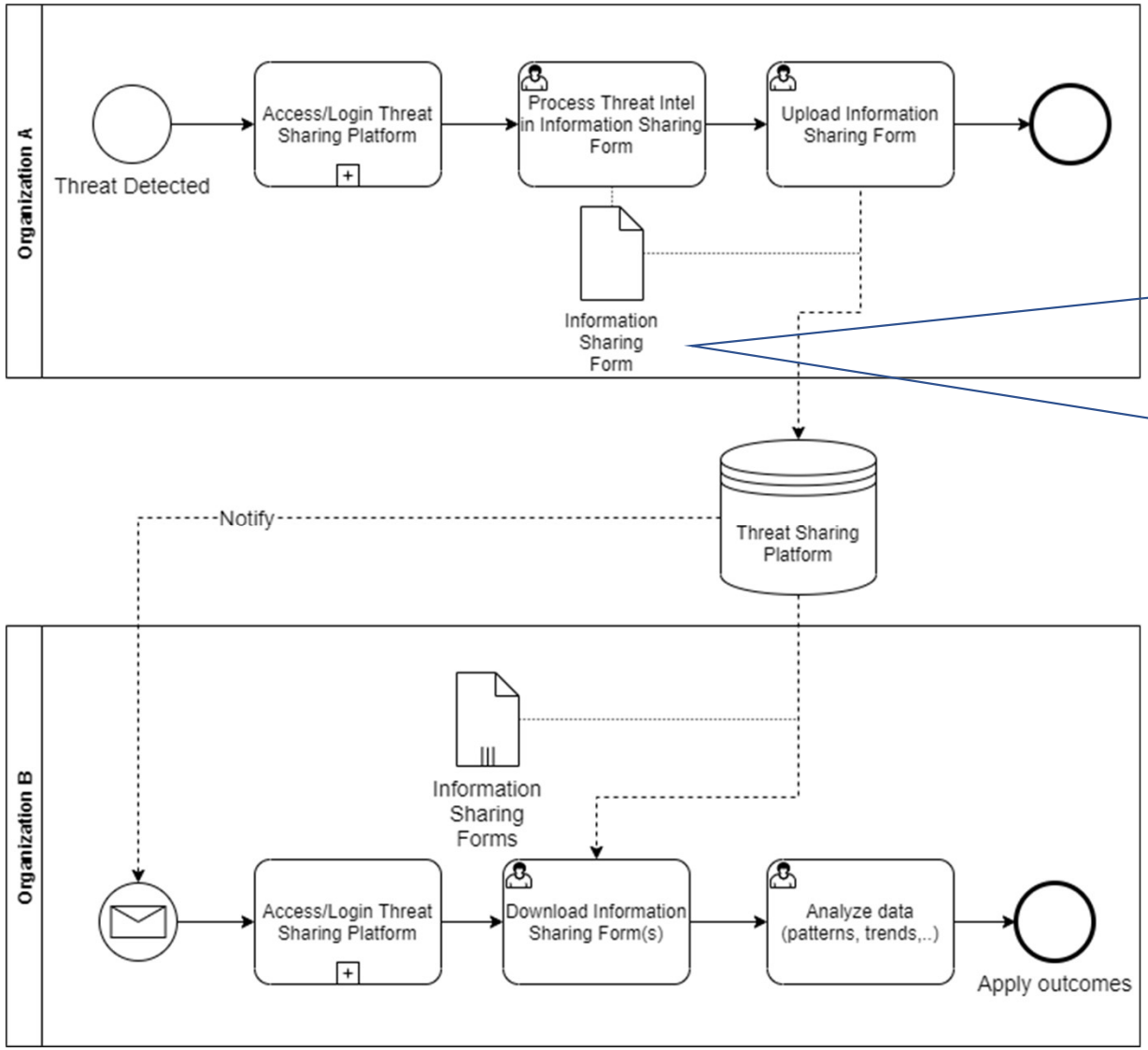
Business sponsors: Suzanne Janse (ING)

Scope & goal

- Solution for more collaboration **to prevent** or **to detect** an insider attack **in an early stadium**.
- Insider attack: Person **inside an organisation** with rightful access to an organisation’s systems, data, and resources,
  who **deliberately** and **intentionally** abuses the organisation's assets
- New insider attack modus operandi emerge all the time and are replicated in other organizations shortly
- The earlier you know what to look for, the earlier an insider attack can be stopped
- On **early warning platform** parties can exchange information on actual modus operandi in a **rapid** and **secure** way

Animatiefilmpje project

- https://youtu.be/feI9bxc2uZ0



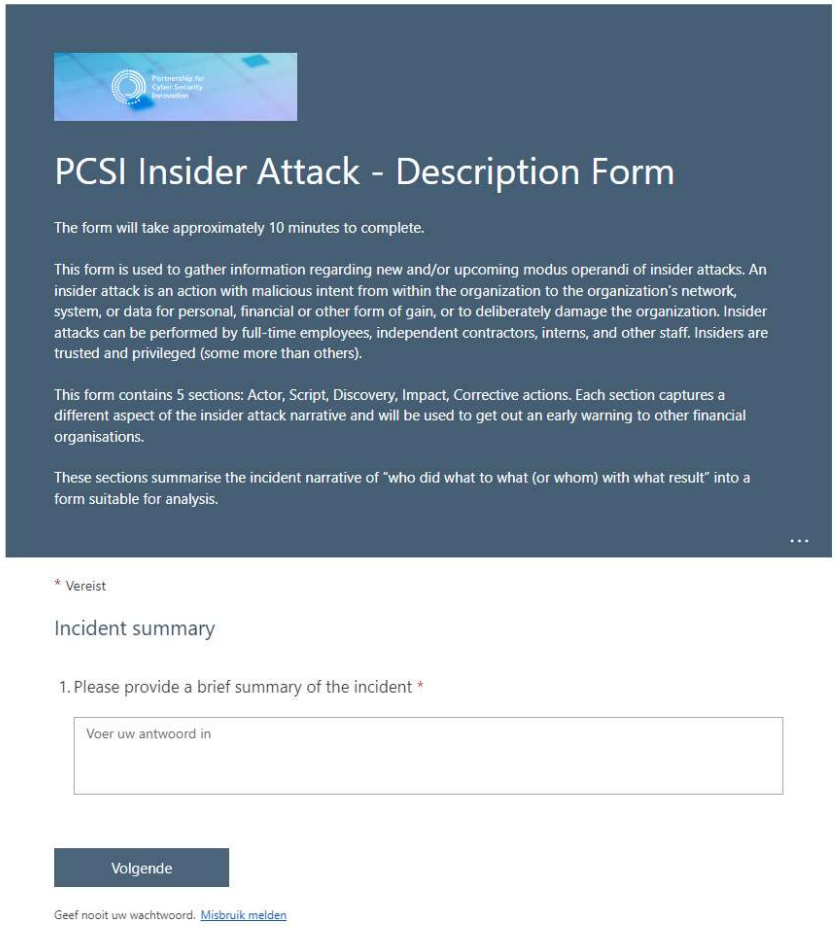
5. What type of damage did you identify *

- [ ] Theft of intellectual property
- [ ] Theft or trading (confidential) information
- [ ] Cashout activity
- [ ] Reputational
- [ ] Operational
- [ ] Other

6. Could you describe the beforementioned damage? *

Enter your answer

Form



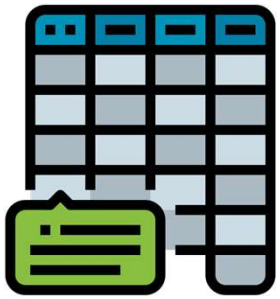
Sections Form

1. Incident summary
2. Actor
3. Script of the incident – What happened when?
4. Discovery
5. Impact on the organisation
6. Corrective actions

Every section contains serveral questions

Dashboard Prototype

Form
Captures relevant aspects of insider Attacks



Data
Survey Answers

Dashboard/Platform
- Performs analysis specific to user needs

I want to know about…
- Modus Operandi in Insider Attacks
- Patterns & Trends
- How to detect them & which measures to take

Manager internal investigations

Dashboard Prototype

Approach & Outcomes

APPROVAL TO SHARE DATA

FORM UPDATES

EXPLORED EXISTING PLATFORMS: BKR, NVB, TMNL, NDN

LEARNINGS FROM OTHER SHARING COMMUNITIES

TALKS WITH PROVIDERS: SIGNPOST SIX & UK FINANCE

ANIMATION VIDEO

BRAINSTORMS WITH BUSINESS SPONSOR

Process Learnings

Sharing information is a big challenge

Technical

Approvals

Time-wise

Exploration is never completed

“Have you spoken to this organisation?”

Parties further away still give valuable and new perspectives

Next phase

We have done:

Market scan

Form improvements

Data analysis & Dashboard

Identifying collaboration partners

We need to do:

INVOLVE THE RIGHT STAKEHOLDERS

VALIDATE THE VALUE OF THE SOLUTION

FURTHER IMPROVE OUR SOLUTION (CONTINUOUSLY)

Good advices?
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