

Thank you for

**52** great years in  
**Denmark**  
conference

August 28, 2018, Technical University of Denmark, Copenhagen

**The perfect storm  
when cyber-attacks meet GDPR**

*by* Hernan Huwyler

# Agenda

When cyber-attacks meet GDPR

- **How to navigate a data breach under the new regulation**
- **Contents: recommendation of steps for different scenarios, selecting data recovery tools**
- **Tips for controls and policies on personal data security, and ideas for compliance preparation**

**2:00 pm – 2:30 pm**

# 52 years of perfect storms

**Sarbanes–Oxley  
2002**

**Basel Accords  
1988**

**PCAOB 5  
2007**

**FCPA  
1977**

**IAS  
1973**

**OFAC  
1963**

**GDPR  
2018**

# Navigate a data breach

Indications  
of  
compromise  
notifications from



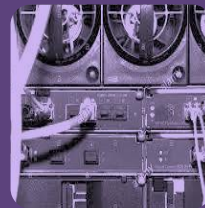
public authorities



users



data processors  
and 3rd parties



data loss solutions

# Navigate a data breach

As Kersi says

“There are two types of companies: those that have been breached, and those who don't know they have been breached.”

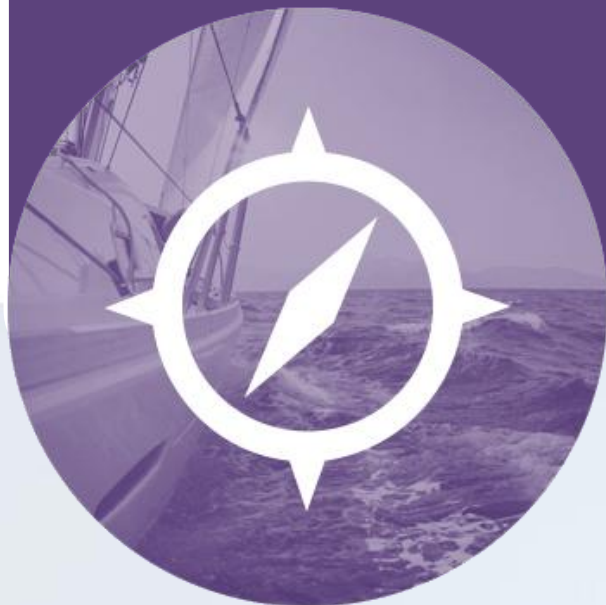




# Navigate a data breach

**Incident  
response  
protocol**

Investigate



**When  
occurred**



**How occurred**



**Level of  
compromise**

# Audit the data flow

## Frequent audits

Also good before implementation



Both data inflows and outflows



Focus on the risks of unintended uses of personal data



Ensure the RoPA is updated

# Navigate a data breach

## Steps

suspected or  
known data  
breach

1

Contain the breach by  
disconnecting networks and users  
and revoking privileges

2

Activate the data breach response  
team

3

Investigate logs of suspected  
insiders and outsiders, preserve  
evidence, document confirmation  
time

4

Assess the impact of the data loss

5

Take remedial actions: restorations,  
change credentials of key users and  
servers

6

Notify supervisory authorities and  
data subjects

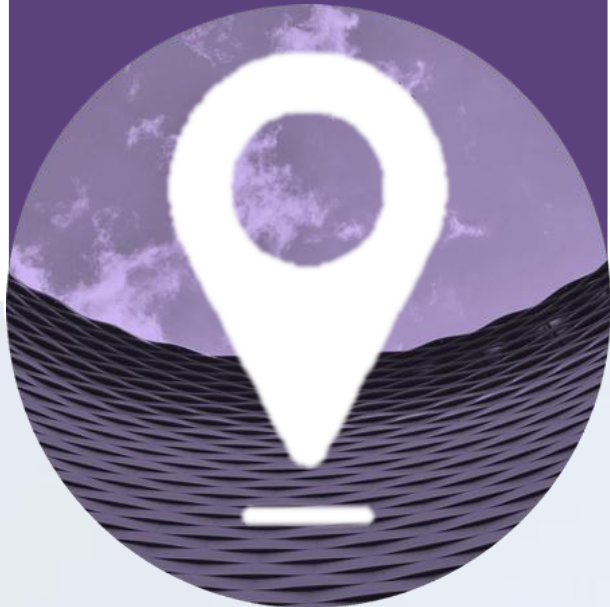




# Scenario planning

## Addressing breach risks

critical data assets



Penetration testing,  
vulnerability scanning



Response scenarios on  
internal/external threats



Improve breach  
detection



Document prevention

# Data recovery

## Selecting the right tool

Internal and external factors



Compatibility



Coverage



Support



Features



## Control tips

### Enhancing the data governance



Invest in the RoPA



Encrypt data



Review and limit user access and activity



Protect against data leakage

# Control tips

## Enhancing the data governance



ISO 27001 certification for you and your vendors



Train the trainer for privacy



Assign a data owner



De-risk processes

# Control tips

## Enhancing the data governance



Do not confuse GDPR compliance with cyber security



Constantly assess new risks (and technological tools)



Patch timely to block vulnerabilities



Contract insurance policies

# Resources



**SAP**

SAPExperts How to Prepare Your SAP System for GDPR

**SAP**

SAPExperts Learn How to Prepare Your SAP User Access Review for GDPR



# Thanks



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<https://www.linkedin.com/in/hernanwyler>



Risk management,  
compliance and internal  
controls, SAP

