



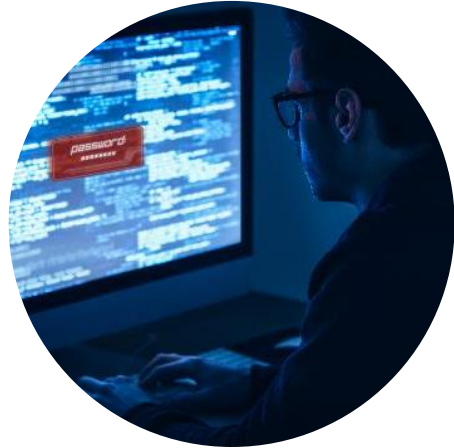
# Cybersecurity – eine geteilte Verantwortung im Zeitalter der Cloud

Dr. Marc Holitscher  
CTO, Microsoft Schweiz

1. März 2018



# The threat landscape has evolved



Hacking as  
a hobby



Hacking for  
financial gain



Nation-state  
attacks

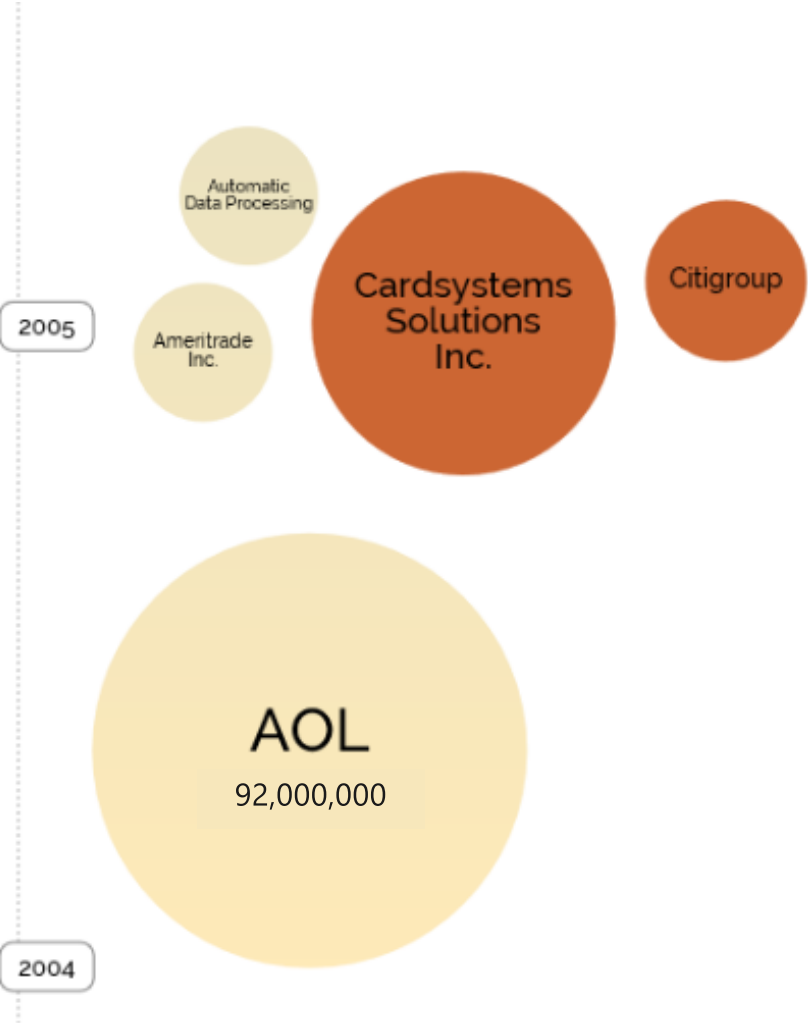
## Security Trends

*Attacks by hobbyists  
and enthusiasts*

*+ Monetization of attacks*

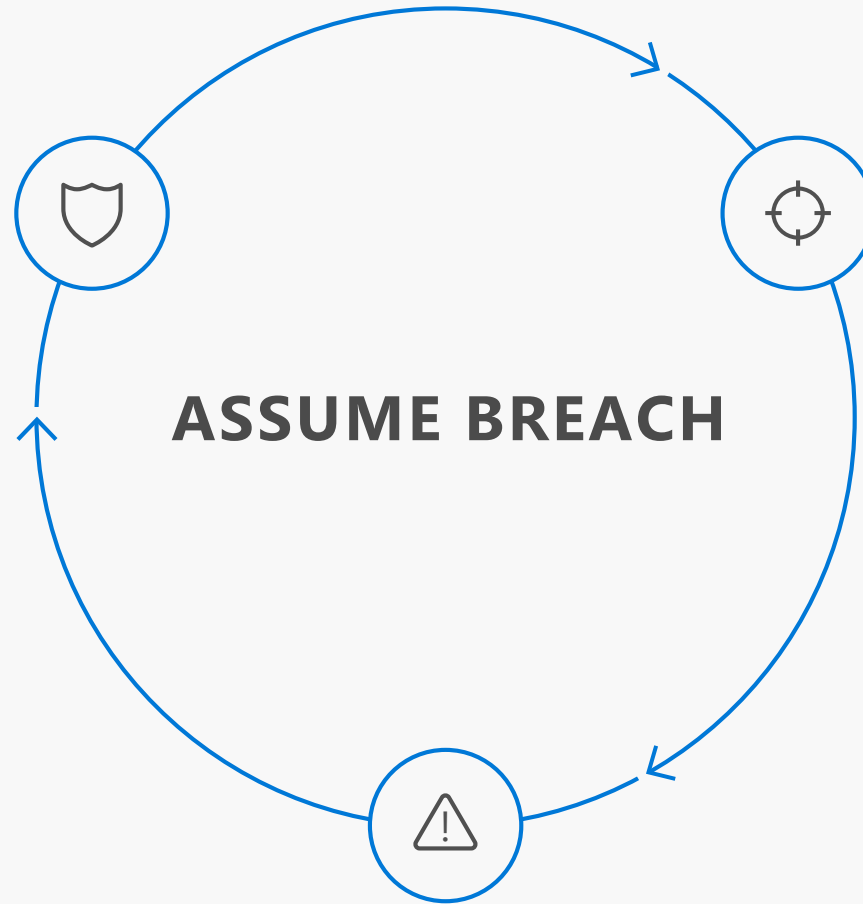
*+ Attack industrialization and  
integration into warfare*

# Brief history of breaches



**PROTECT**

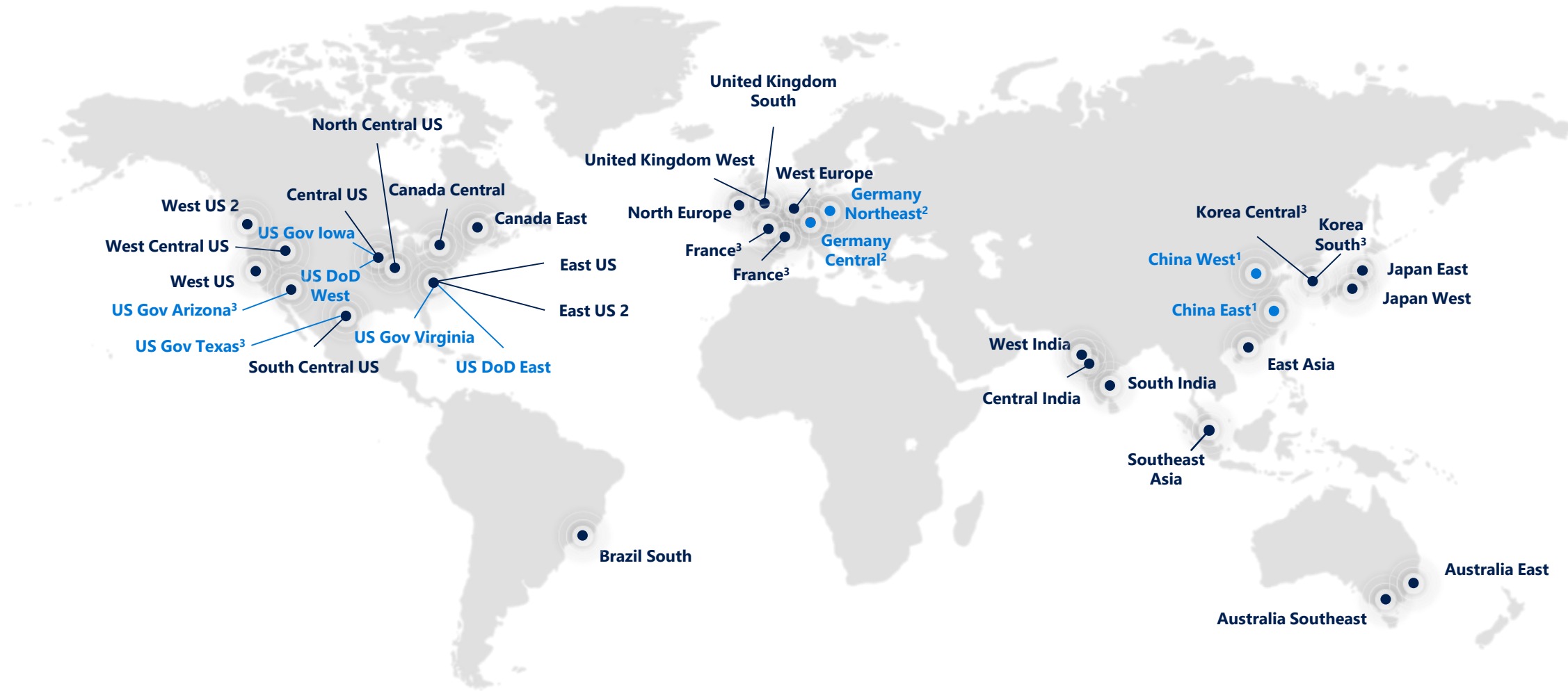
**DETECT**



**RESPOND**



# Microsoft infrastructure investments



# Trusted cloud

## GLOBAL



ISO 27001



ISO 27018



ISO 27017



ISO 22301



ISO 9001



SOC 1  
Type 2



SOC 2  
Type 2



SOC 3



CSA STAR  
Self-Assessment



CSA STAR  
Certification



CSA STAR  
Attestation

## US GOV



Moderate  
JAB P-ATO



High  
JAB P-ATO



DoD DISA  
SRG Level 2



DoD DISA  
SRG Level 4



DoD DISA  
SRG Level 5



SP 800-171



FIPS 140-2



Section 508  
VPAT



ITAR



CJIS



IRS 1075

## INDUSTRY



PCI DSS  
Level 1



CDSA



MPAA



FACT UK



Shared  
Assessments



FISC Japan



HIPAA /  
HITECH Act



HITRUST



GxP  
21 CFR Part 11



MARS-E



IG Toolkit UK



FERPA



GLBA



FFIEC

## REGIONAL



Argentina  
PDPA



EU  
Model Clauses



UK  
G-Cloud



China  
DJCP



China  
GB 18030



China  
TRUCS



Singapore  
MTCS



Australia  
IRAP/CCSL



New Zealand  
GCIO



Japan My  
Number Act



ENISA  
IAF



Japan CS  
Mark Gold



Spain  
ENS



Spain  
DPA



India  
MeitY



Canada  
Privacy Laws

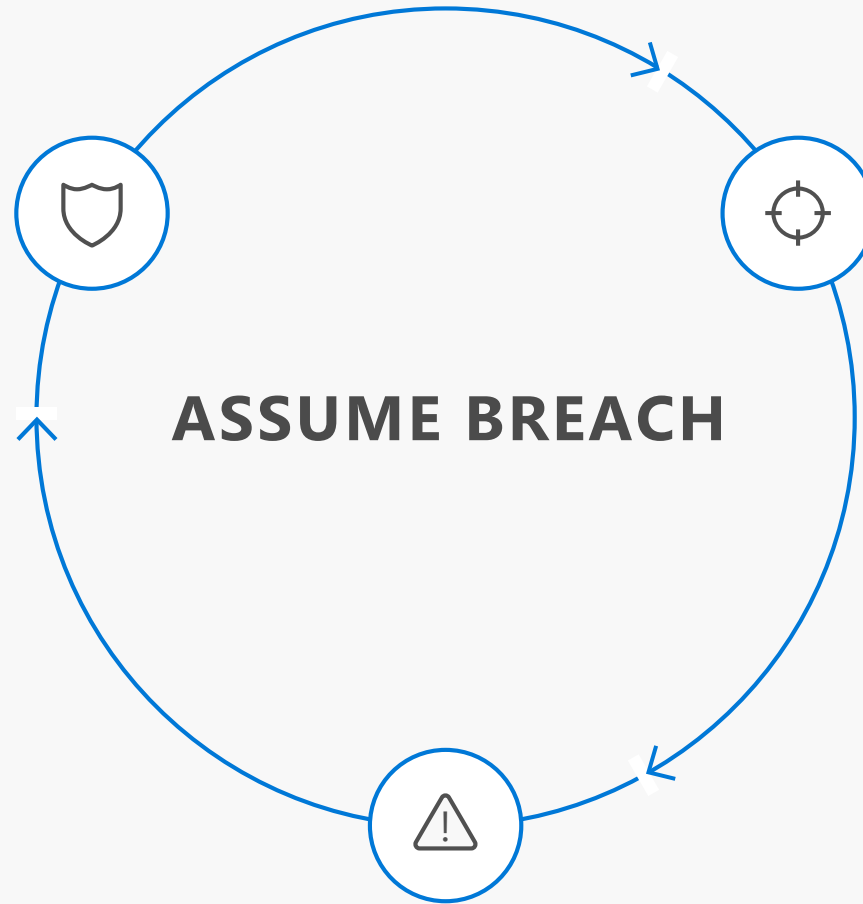


Privacy  
Shield



Germany IT  
Grundschutz  
workbook

**PROTECT**

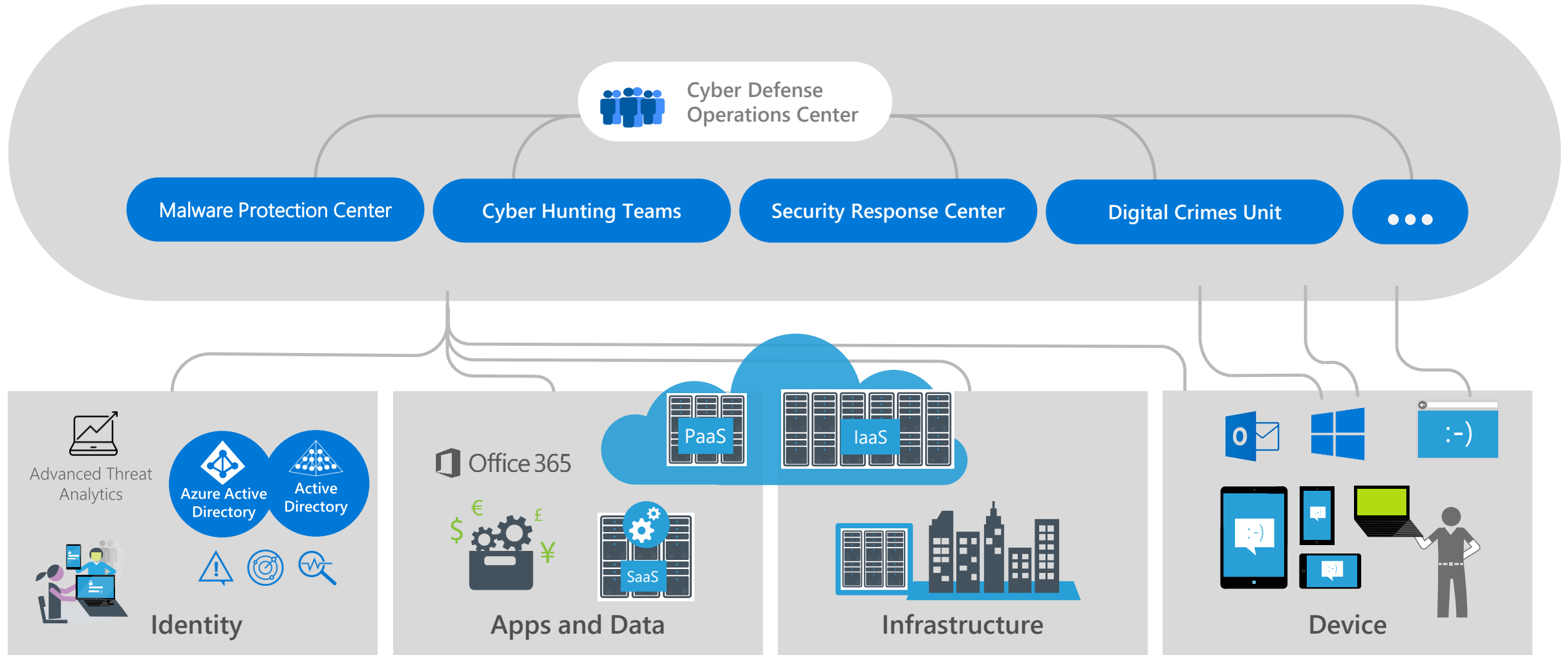


**DETECT**

**RESPOND**



# Building an integrated security experience





# Digital Crimes Unit

Leading the fight against cybercrime

Protecting people, organizations and our cloud through global **enforcement actions** against cybercriminals

Investigations, forensics and analytics

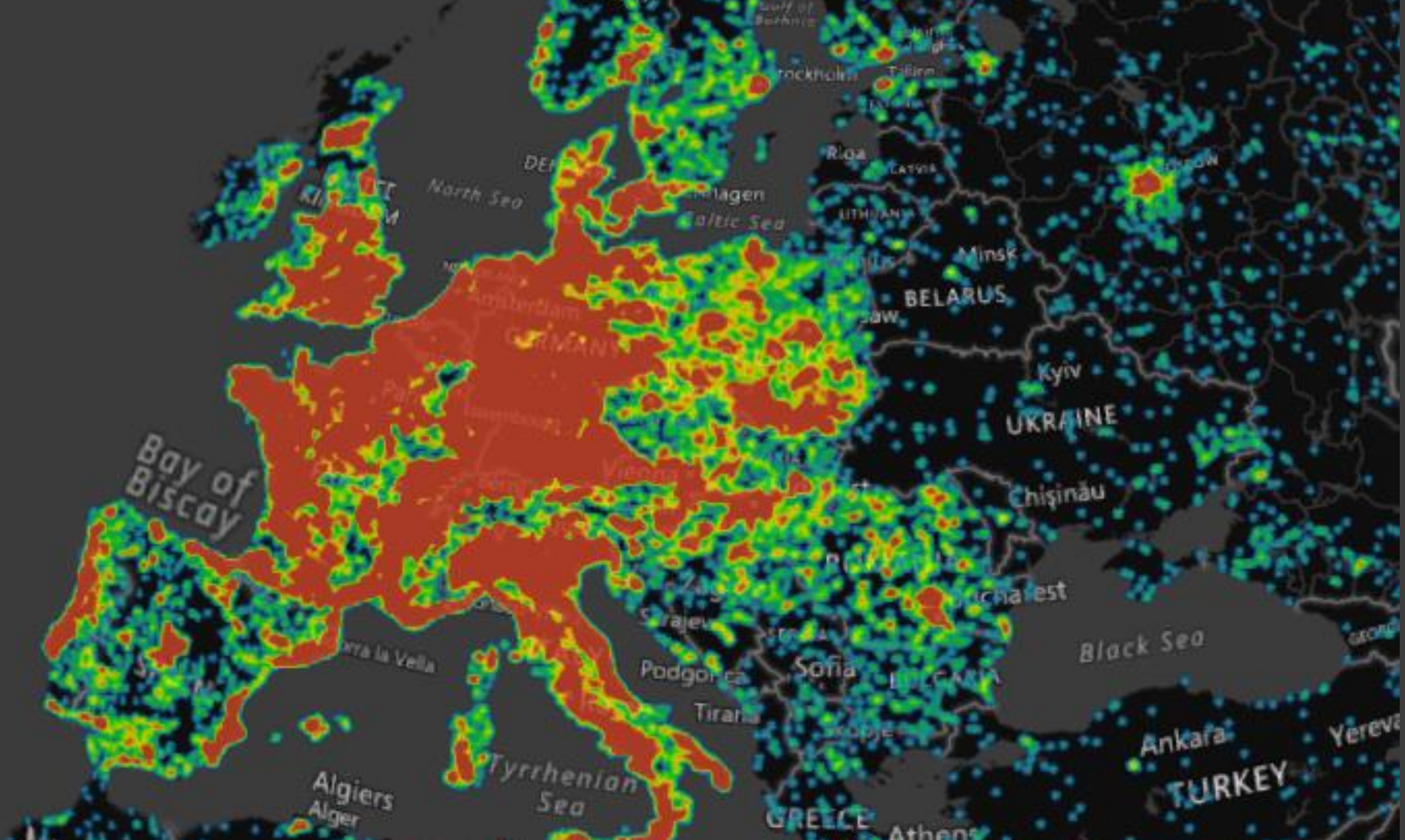
Machine learning, AI and data visualization

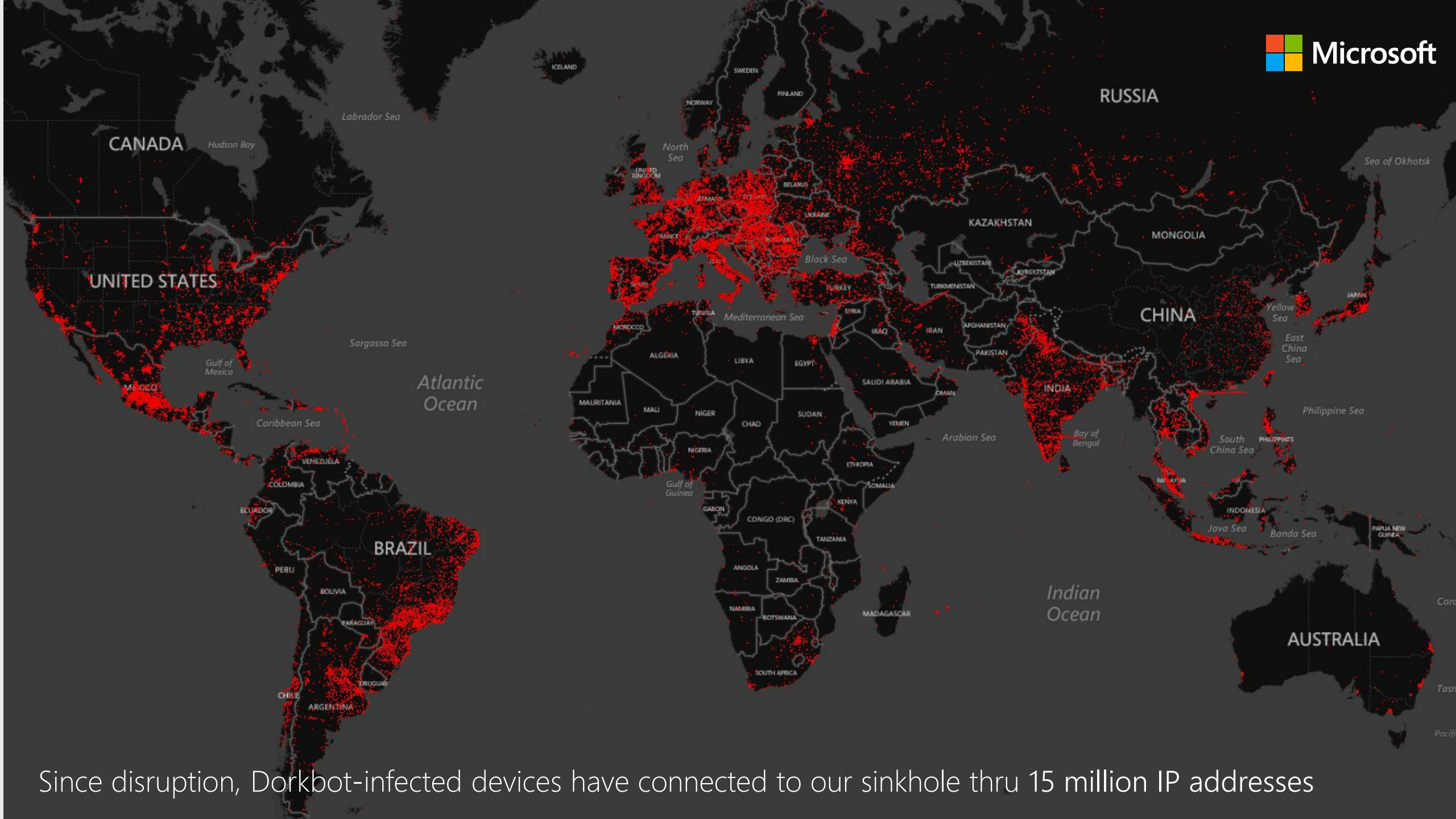
Public and private partnerships

Creative legal strategies

Microsoft Cybercrime Center



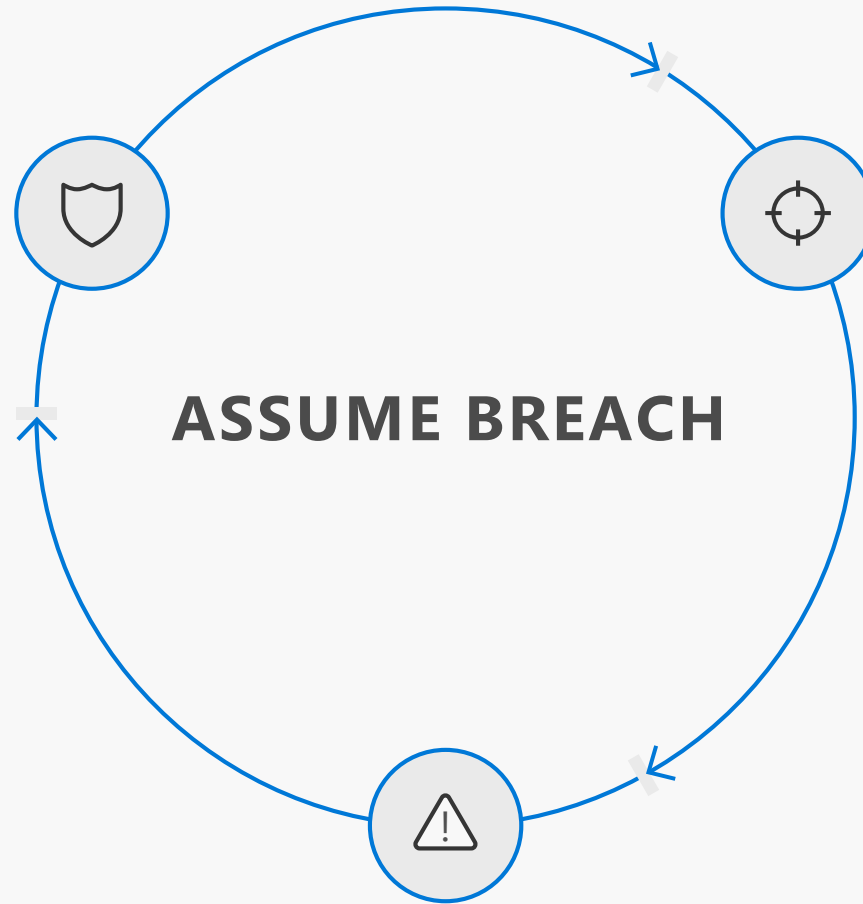




Since disruption, Dorkbot-infected devices have connected to our sinkhole thru 15 million IP addresses

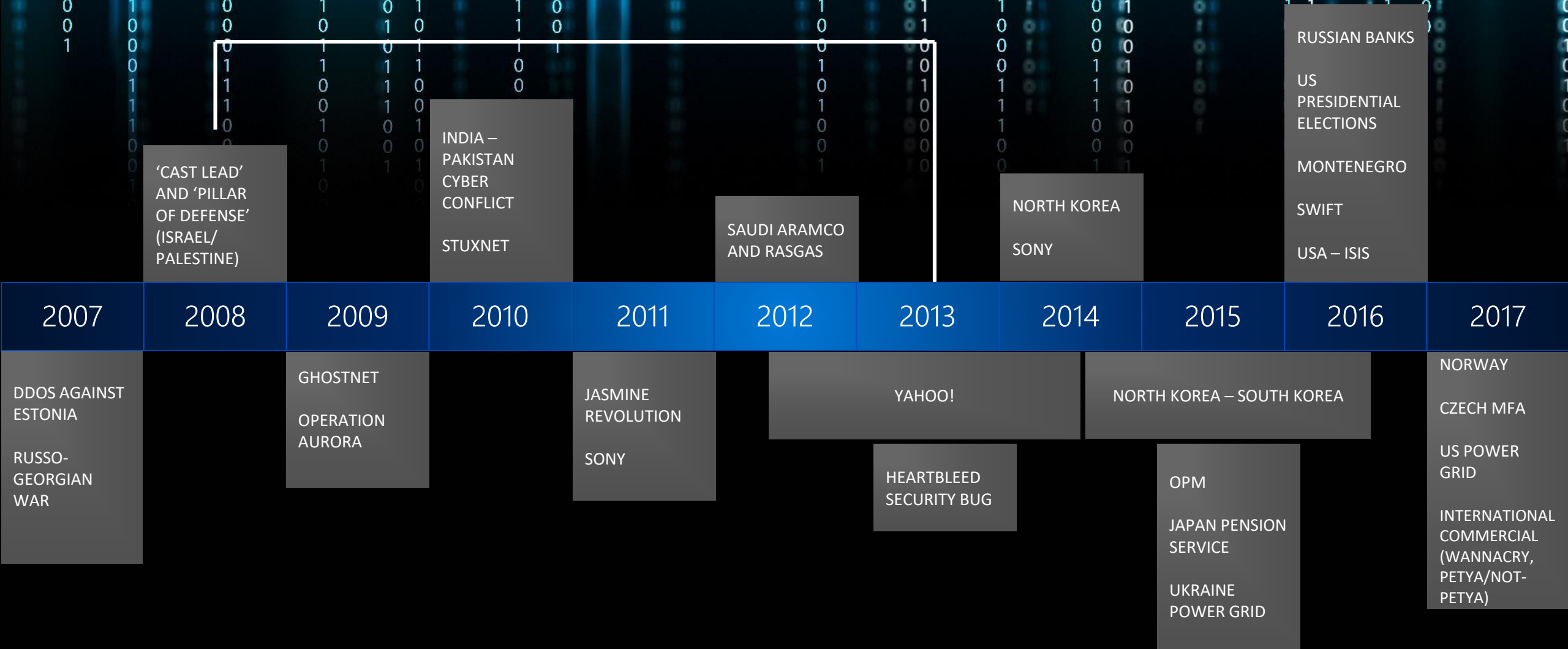
**PROTECT**

**DETECT**



**RESPOND**

# Major (alleged) nation state cyber attacks



# UK hospitals hit with massive ransomware attack

*Sixteen hospitals shut down as a result of the attack*

By [Russell Brandom](#) | [@russellbrandom](#) | May 12, 2017, 11:36am EDT

[f](#) [🐦](#) [🔗](#) SHARE



# Deterring nation state attacks



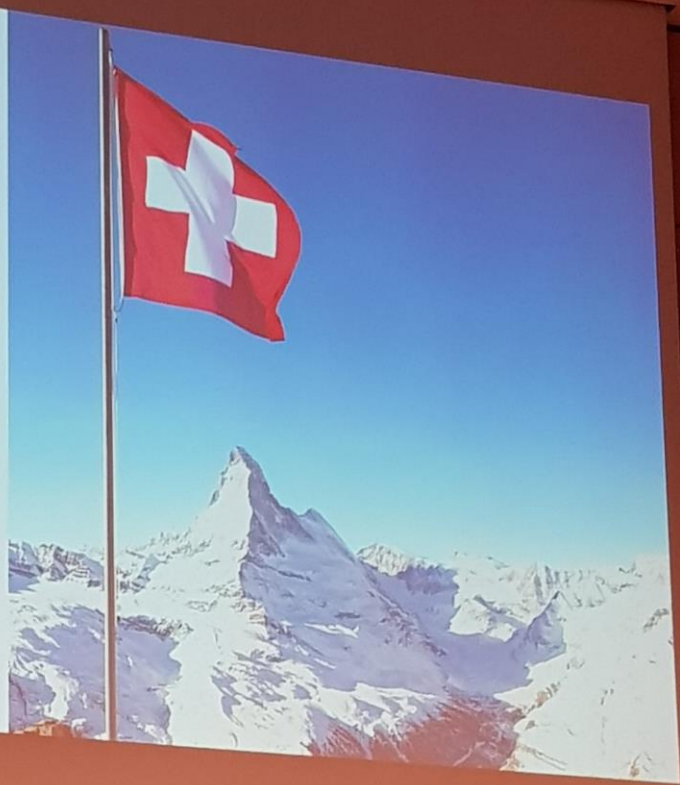
USING THE LAW



SHAPING NORMS  
OF BEHAVIOUR



We need to build  
a neutral Digital  
Switzerland



B. SMITH MODERATOR

P. SPÖRRI



