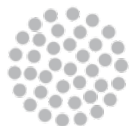


# THE NEW ATTACKER MODEL AT A GLANCE

## PERSPECTIVE FROM THE INDUSTRY

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Head of Cybersecurity Research Group



**indra**



Trust  
In The  
Digital  
World

7 - 8 April 2014  
Vienna, Austria



# THE NEW ATTACKER MODEL

## 01 ATTACK

Sophisticated, state-sponsored / terrorist cyberattacks against networks and information systems of governments, critical infrastructures and strategic industries

## 02 SURVEILLANCE

Illegal/unethical massive collection of communications and data by governments



# CONSEQUENCES

## 01 ATTACK

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Loss of competitive advantage

Economical cost

Endangers national security

## 02 SURVEILLANCE

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Direct damage to privacy and human rights

Loss of confidence in technology

Loss of confidence in our democratic representatives and statements



# POSSIBLE CAUSES

## 01 ATTACK

Vulnerable technology

Untrustworthy technology.  
*High dependence on Asian  
hardware and USA software*

False perception and estimation  
of risk

## 02 SURVEILLANCE

High dependence on  
non-european IT infrastructures  
(Cloud, networks)

Lax, fragmented and/or  
contradictory legislation

# MOVING AHEAD

## 01 ATTACK

Security-by-design and novel approaches to security

Dynamic risk assessment and management

Information sharing

Cybersecurity awareness and training

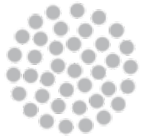
## 02 SURVEILLANCE

Boost European IT industry (services, SW, HW, cryptography)

European Security Label/Kite Marks for technology used within Europe (c.f. European Strategy). E.g. SOG-IS

Establish International Cooperation Frameworks, especially for Data Protection and Privacy (realistic)





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