## INFORMED GOVERNANCE

through

# Information Sharing and Analysis Centers



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#### **LUXEMBOURG CYBERSECURITY ECOSYSTEM**



Encryption

a core business

incubator

& training

# Cybersecurity ecosystem is mature; many other sectors are not



### More resilience – but how?

#### **Option 1** – Regulation

#### one-way information flow

→ no advantage for economy

#### obligation

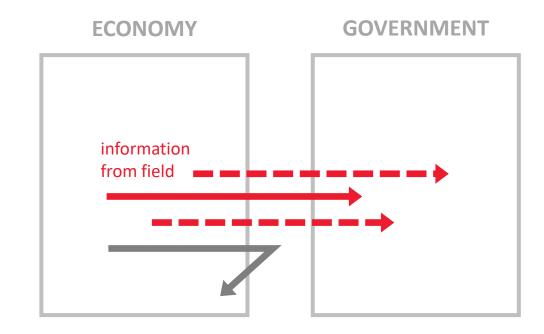
→ half-hearted, "checklist security"

#### creates additional burden

→ difficult for SME

#### fear of sanctions

- → reluctant to share
- → limited view for government



## More resilience – but how?

#### **Option 2 – Informed governance**

#### bidirectional flow

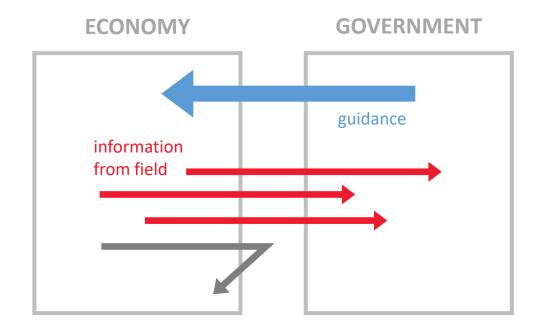
→ get something in return

#### added-value

→ the more you share, the better the results

#### comparable benchmarks

due to homogenous information



### More resilience – but how?

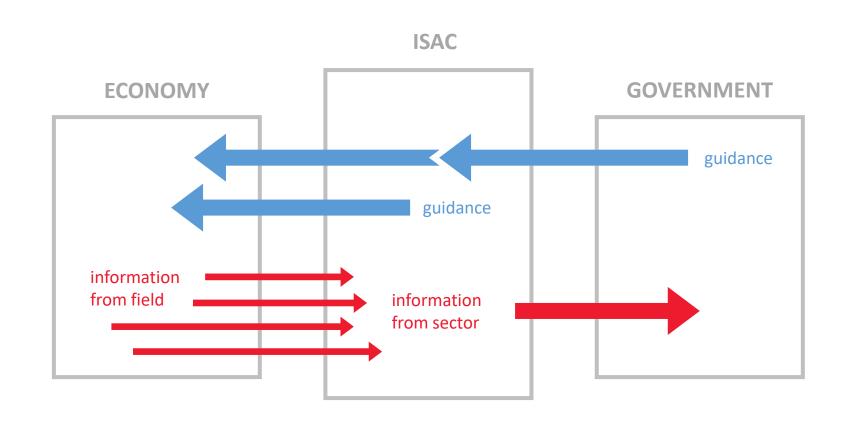
#### **Option 3 – Informed governance through ISAC**

#### trusted environment

- → useful information is often sensitive/confidential
- $\rightarrow$  no fear of sanctions

#### sector-specific

→ more tailored, more detailed



# Informed gouvernance: Cybersecurity on 3 layers

security mgmt.
security mgmt.
security mgmt.
security mgmt.

**SECTORIAL** 

guidance

security mgmt.
security mgmt.
security mgmt.
security mgmt.

**SECTORIAL** 

guidance

SECTORIAL guidance

security mgmt.

security mgmt.

security mgmt.

SECTORIAL guidance

security mgmt.

security mgmt.

security mgmt.

security mgmt.

security mgmt.

company

**ISAC** 

regulator

**BASELINE SECURITY guidance** 

security mgmt.

security mgmt.

# What makes an ISAC trustworthy?



nominative membership



code of conduct



secure communication



free speech

# Types of participants

#### **Members**

- cybersecurity representatives of the sector
- government (for support)

#### **Invitees**

- cybersecurity experts
- law enforcement
- intelligence
- academia

#### **Excluded**

- marketers
- regulators

# Missions of an ISAC: Information Sharing and Analysis Center

#### **SHARE**

#### between peers

- current threats
- knowledge (how to)
- risk estimation
- tips & tricks

#### **ANALYSE**

#### for the sector + regulator

- sector-specific risks
- risk estimation
- security guidance



**INFORMED GOVERNANCE**