



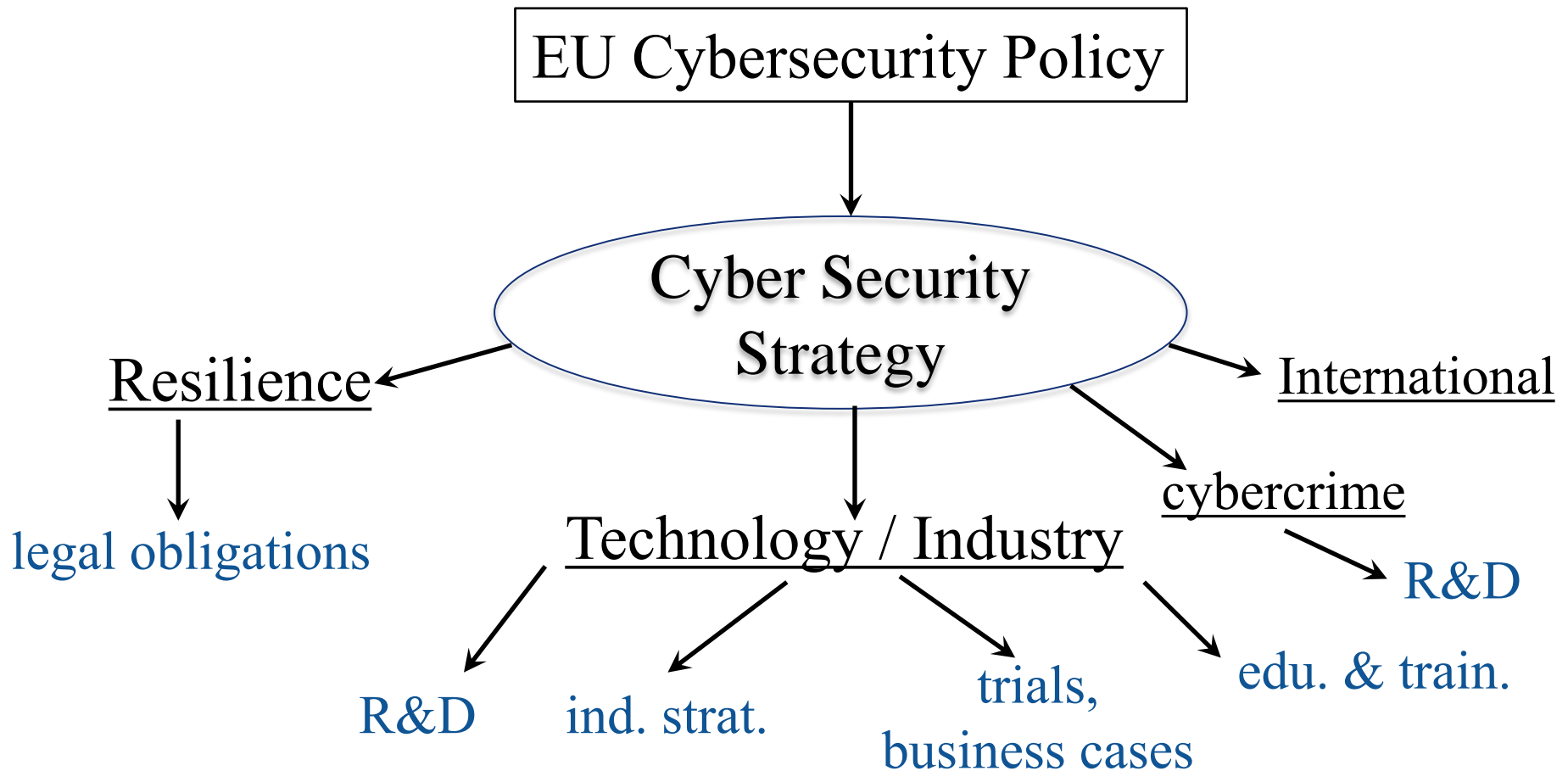
# **Digital Security: Cybersecurity, Privacy, Trust**

**Martin Mühleck**

Unit H.4, Trust and Security,  
DG Communications Networks, Content and Technology  
European Commission

**H2020  $\neq$  FP7**

**R&D = Policy**  
**R&D Policy = Support to Policy**



## In summary...

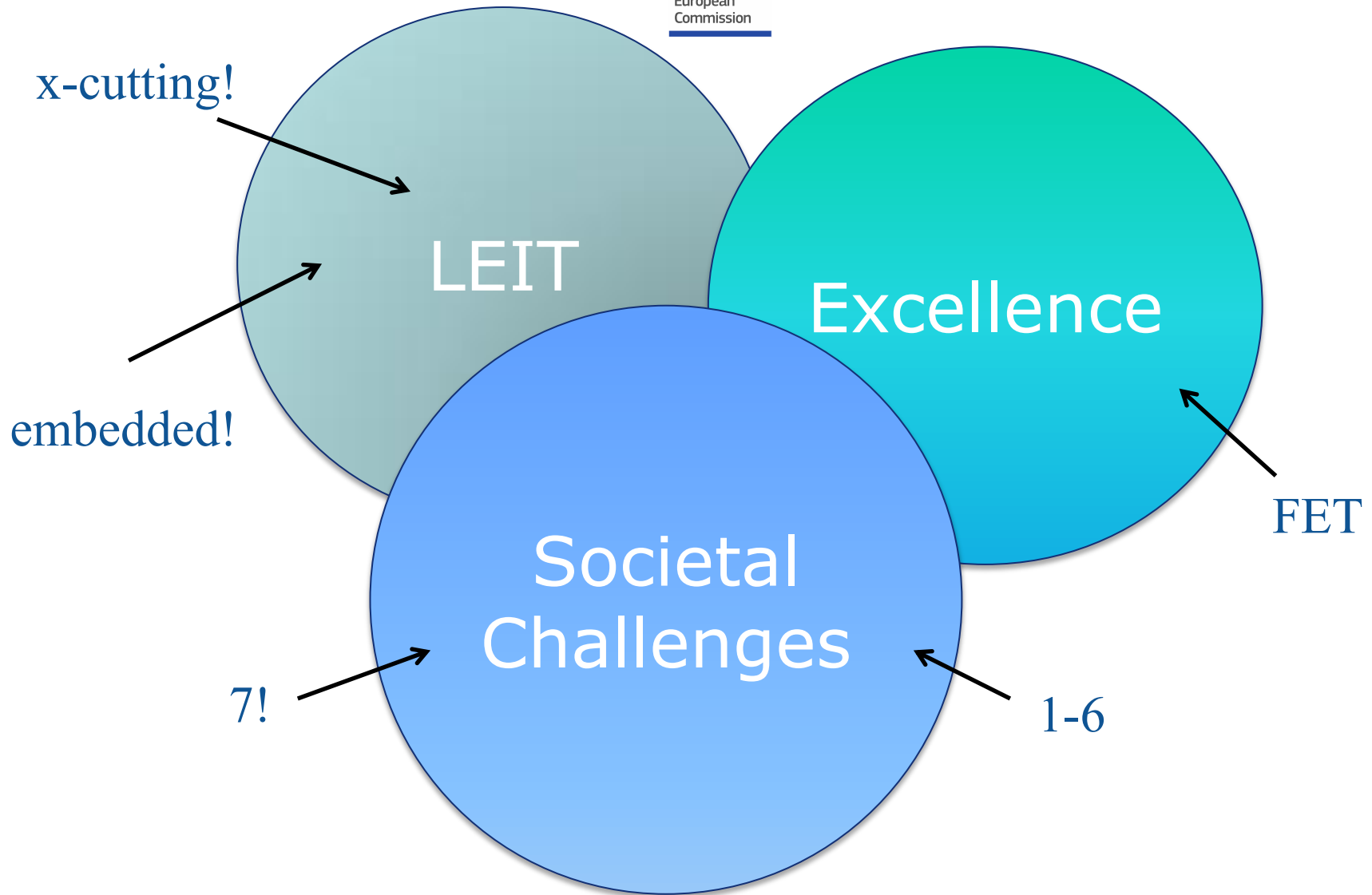
- Research & **INNOVATION!**
- R&I to address user needs
- R&I to support compliance
- R&I = incentive to increase security
- R&I complementary to legal instruments
- NIS Platform

=> H2020 Digital Security WPs

# Where to find cybersecurity R&D&I in H2020?

# Everywhere!

change of mindset



## Example: smart grids

- cryptography? => LEIT
- SCADA? => SC7
- smart meter? => SC3
- smart city? => SC3

=> determine your focus!

# SC7 v/s LEIT

	SC7	LEIT
<b>Scope</b>	implementation	experimentation
<b>Strategic vision</b>	Short term goal = increase security of current applications, services & infrastructures by integrating state-of-the-art security solutions or processes	Long term goal = replace the current business model to provide security as add-on by a security-by-design approach
<b>Outcome</b>	Create lead markets & market incentives	Assist industry to adjust their business model to the strategic vision



	<b>SC7</b>	<b>LEIT</b>
<b>Instrument</b>	Large scale pilot, demonstrator, field trial	R&D collaborative project
<b>Technology readiness level</b>	state-of-the-art, prototypes	Next generation technology and generation thereafter
<b>Time to market introduction</b>	2-3 years	5-7 years

# **LEIT: ICT 32-2014**

## **Cybersecurity, Trustworthy ICT**

- security by design for end to end security
  - R&I actions
- cryptography
  - R&I actions
  - SA
- (embedded)
- call deadline: 23 April 2014
- small or large projects

## SC7 – Secure Societies: Call-1, 2, 3

- DRS 12-2015 "smart grid"
- DRS 16-2015 "cybercrime/SCADA"
- DRS 19-2015 "communication technologies"
- DRS 20-2014 "communication technologies"
- FCT 1-2015 "forensics investigations"
- FCT 4-2015 "internet forensics"
- FCT 6-2015 "terrorists on the internet"
- FCT 15-2015 "social medias"

**=> focus on law enforcement agencies, border guards or first responders**

# Secure Societies: Call 4 (CP-2014/2015)

- DS 1 – 2014 Privacy
- DS 2 – 2014 Access Control
- DS 6 – 2014 Risk management & assurance models
- DS 3 – 2015 Role of ICT in Critical Infrastructure Protection
- DS 4 – 2015 Secure information sharing
- DS 5 – 2015 Trust eServices

All Innovation Actions

Call deadline: 13 May 2014

# What can be your part?

- Participate in H2020 R&I activities:  
Information Day on 15 January to know more about current calls and network with potential partners!
- Support us as expert evaluator or reviewer
- Advise us on the relation of R&I with cybersecurity policies
- Analyse current R&I and help us identifying our H2020 activities for WP2016+?

# Contacts

Leadership in enabling and industrial technologies

**ICT 32-2014 Cybersecurity, Trustworthy ICT**

**[gustav.kalbe@ec.europa.eu](mailto:gustav.kalbe@ec.europa.eu); [martin.muehleck@ec.europa.eu](mailto:martin.muehleck@ec.europa.eu)**

Societal Challenge 7

Secure societies – Protecting freedom and security of Europe and its citizens

**DS 1 – DS 6**

**[gustav.kalbe@ec.europa.eu](mailto:gustav.kalbe@ec.europa.eu); [aristoteles.tzafalias@ec.europa.eu](mailto:aristoteles.tzafalias@ec.europa.eu)**

**DRS 1 – DRS 23, FCT 1 – FCT 17, BES 1 – BES 14**

**[michel.bosco@ec.europa.eu](mailto:michel.bosco@ec.europa.eu)**

**Thank you for your attention**