



NATIONAL CYBERSECURITY ICELANDIC PERSPECTIVE

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ESPOO



BERGEN



ÅRHUS



MALMÖ



ESPOO



BERGEN

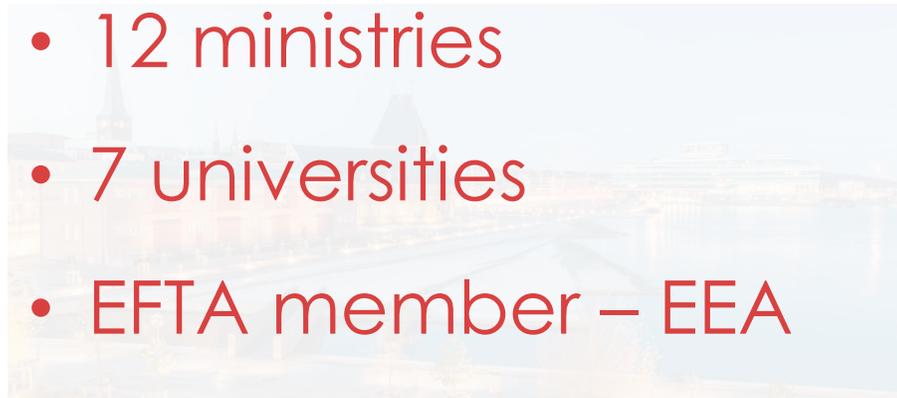


ADAPTING TO SCALE

Facts about Iceland:

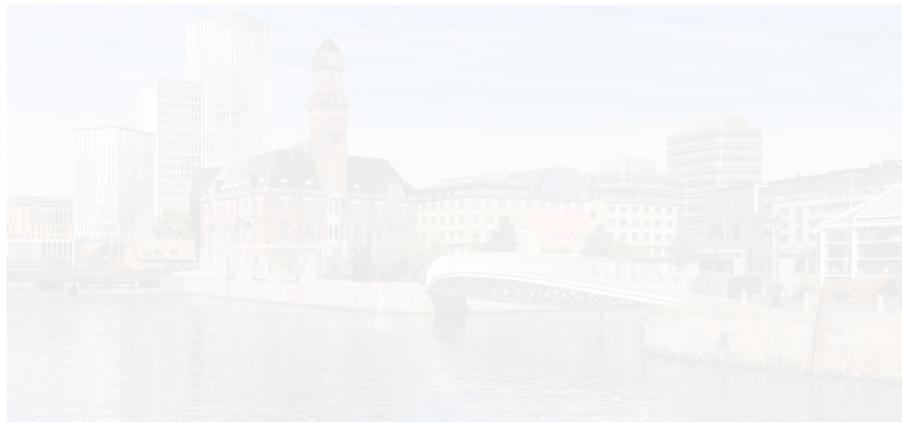
- 376.248 inhabitants

ÅRHUS



- 12 ministries
- 7 universities
- EFTA member – EEA

MALMÖ



IMPLEMENTING THE NIS DIRECTIVE

250% INCREASE OF
REPORTED INCIDENTS



NIS DIRECTIVE – IMPORTANT MILESTONE

- Put into effect on 1.september 2020
- Forms the basis of CERT-IS competence
- CERT-IS mandate redefined and expanded
- Critical infrastructure defined
- More focus and resources

CERT-IS Mandate

Incident response:

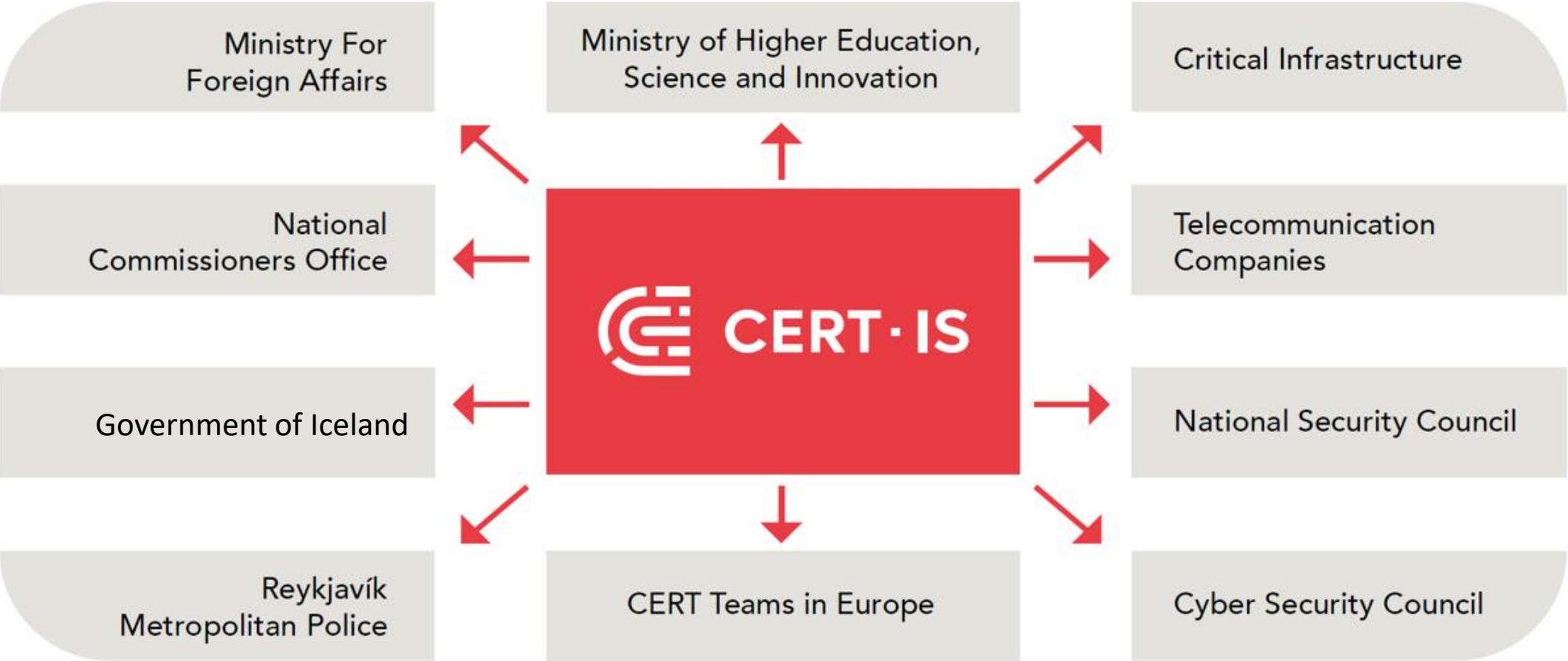
- Support critical infrastructure
- Support governmental institutes
- Coordinate incident response
- Coordinate vulnerability response

Situational awareness:

- Collect and share information
- We analyse incidents

SERVICE GROUPS AND STAKEHOLDERS

SERVICE GROUPS FOR CRITICAL INFRASTRUCTURE



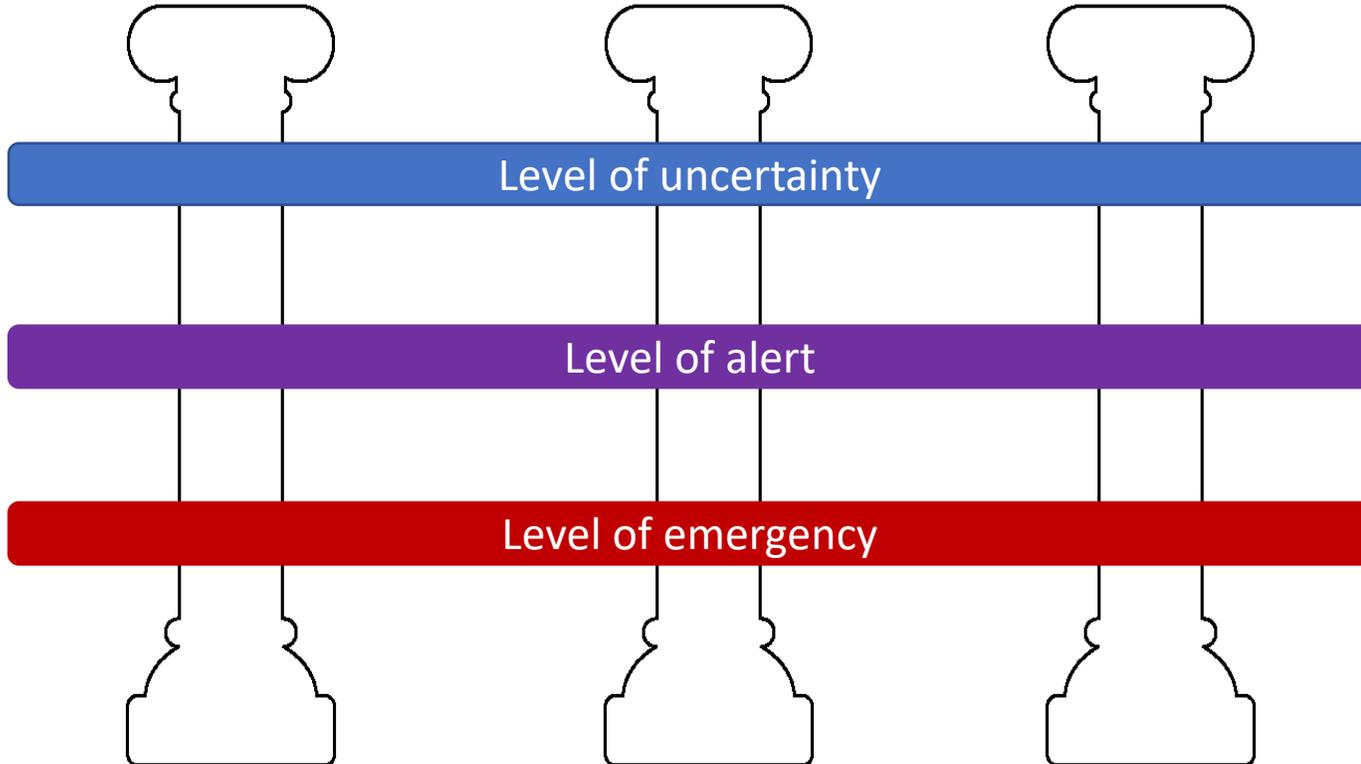
CYBERDEFENCE AND CIVIL PROTECTION PROGRAM

EVERYONE HAS A ROLE IN CIVIL PROTECTION PLAN

National Commissioner

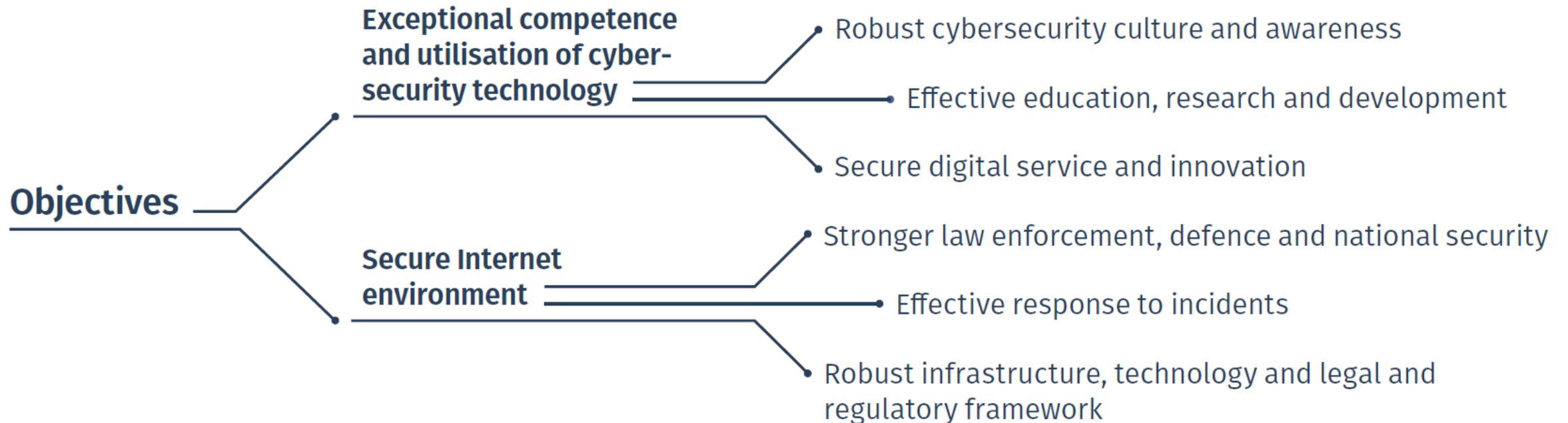
CERT-IS

Critical Infrastructure



CYBERSECURITY STRATEGY 2022-2037

CYBERSECURITY STRATEGY KEY FOCUS AREAS



CYBERSECURITY STRATEGY – ACTION PLAN

- Implementation plan for next few years defined
- Financed and ongoing
- Around 100 different tasks
- Tasks been assigned to appropriate ministries or agencies

CONNECTING OUR ISLAND

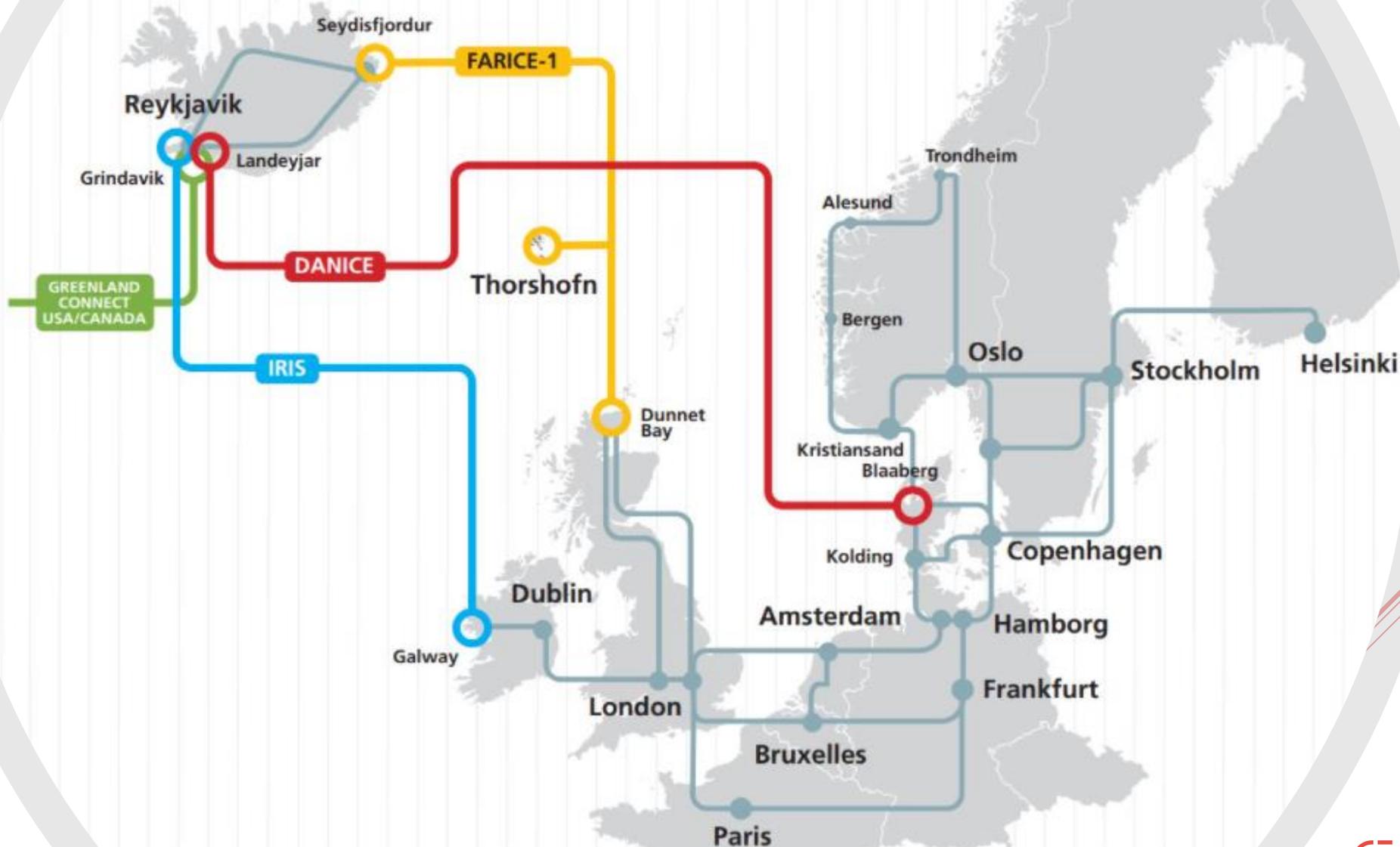
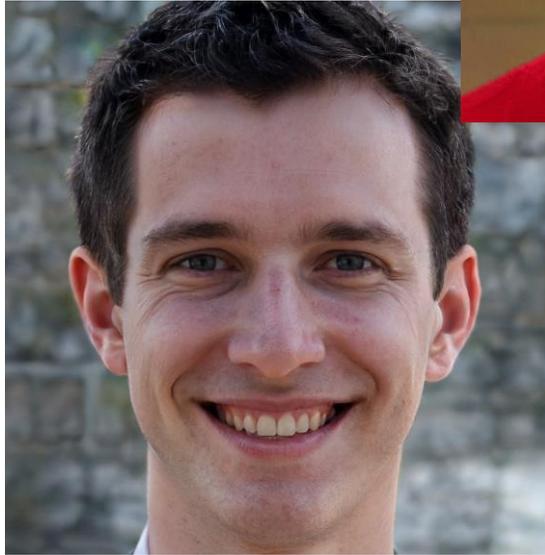
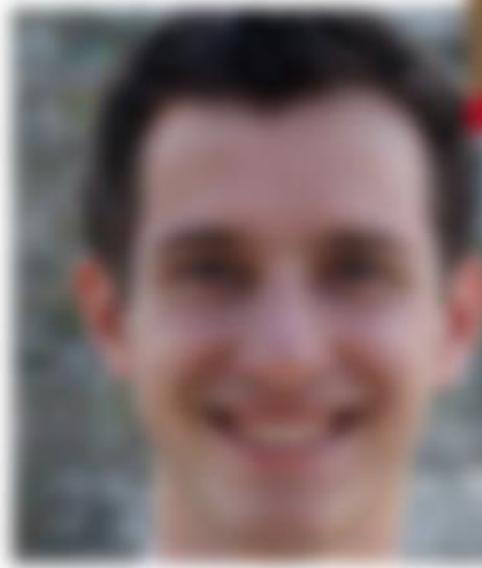
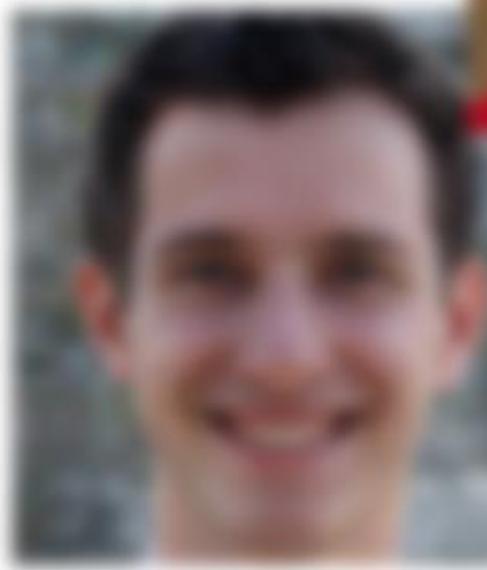


Image from Farice website

DISRUPTIVE EVOLUTION OF CYBERCRIMES AND ENCRYPTION



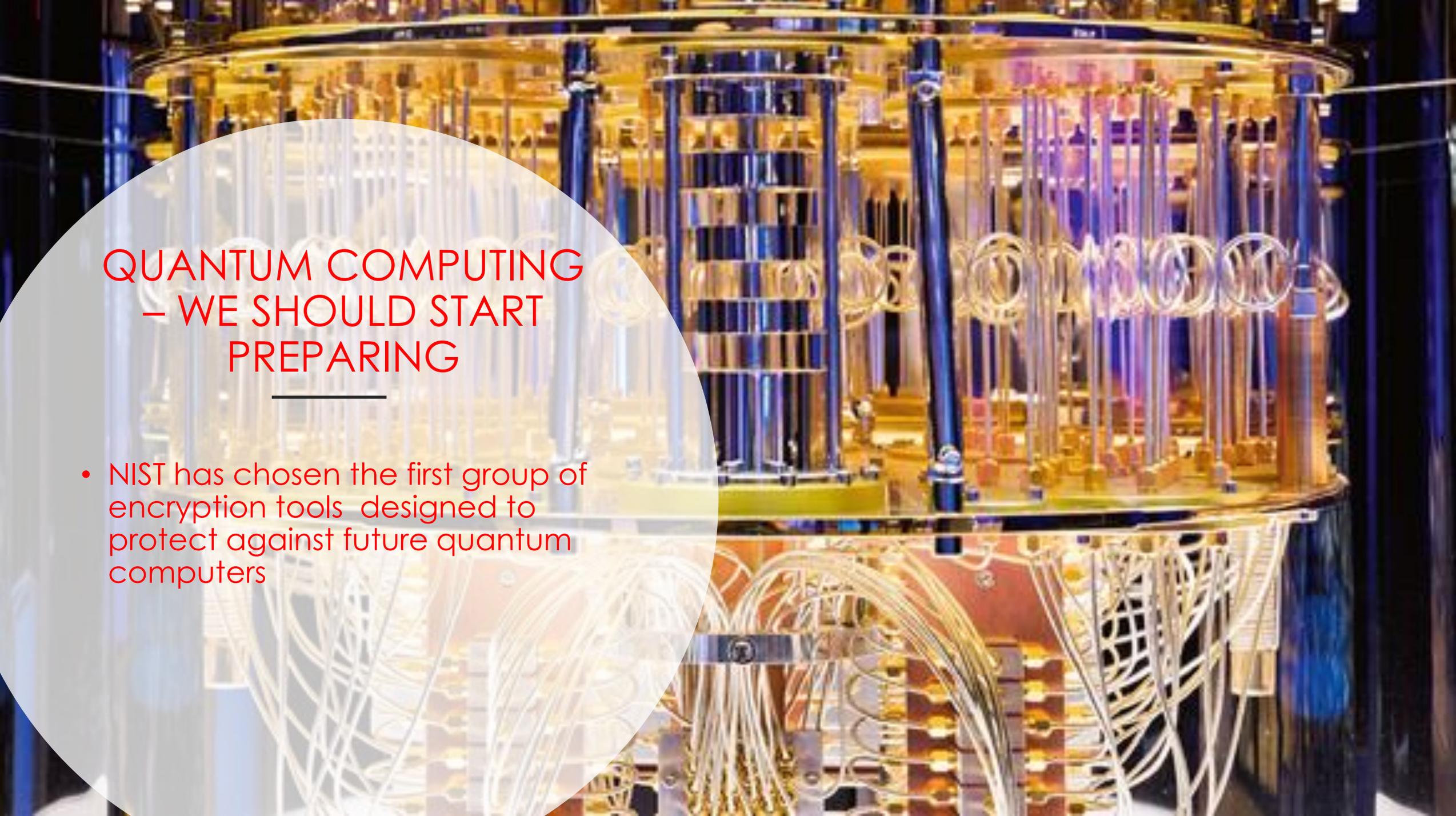




PHISHING ATTACKS GETTING SMARTER

AI and neural networks are changing the game

- Stronger perimeter defences
- Targeted phishing attacks
- The same technology can be used to defend and protect
- Along with applying „healthy suspicion“



QUANTUM COMPUTING – WE SHOULD START PREPARING

- NIST has chosen the first group of encryption tools designed to protect against future quantum computers

THANK YOU