



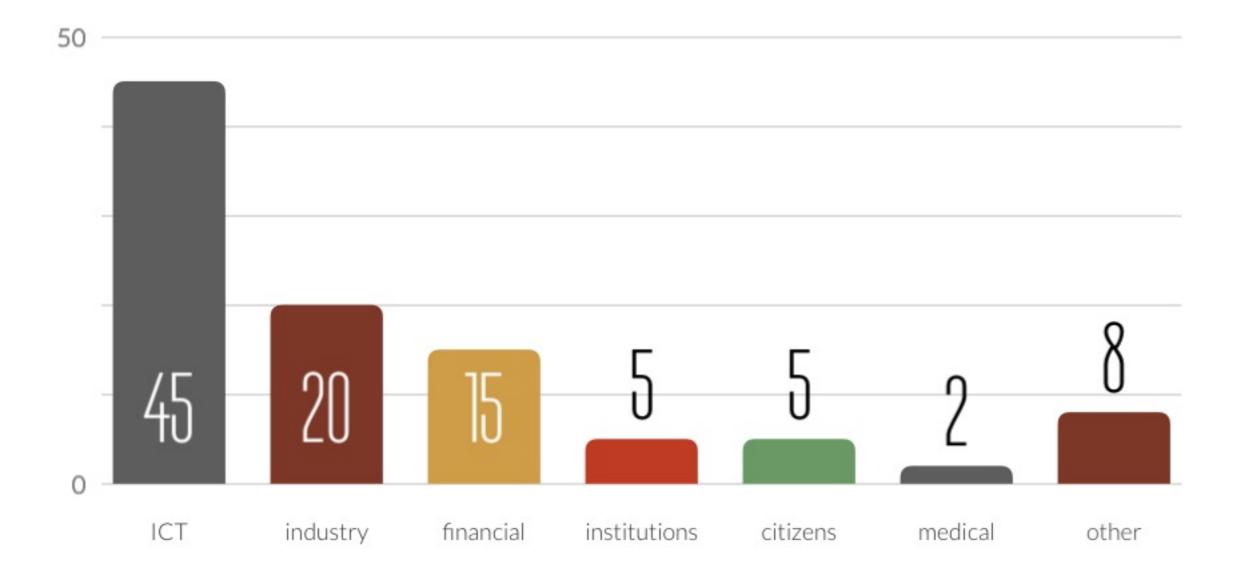
Statistics 2014

events

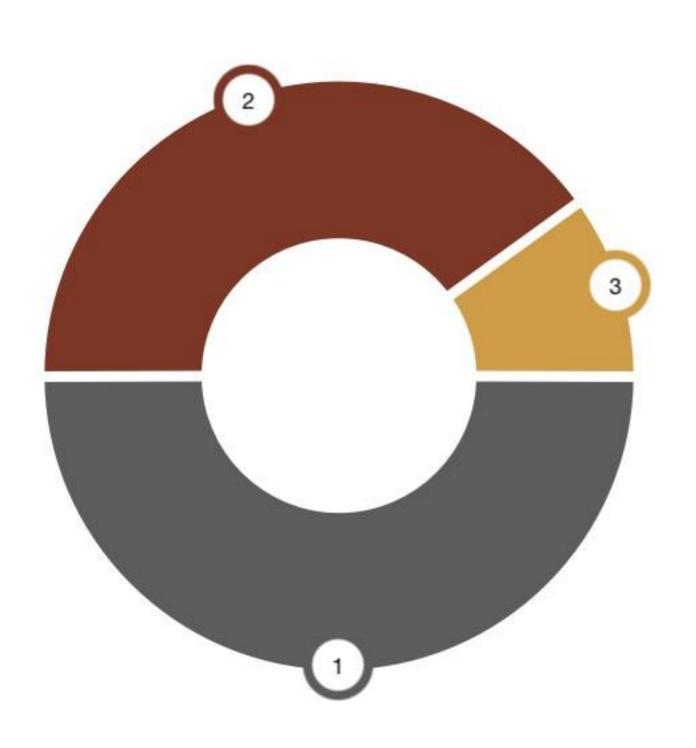
technical investigations

times more then in 2013

BY SECTOR (%)



MOTIVATIONS



1	CYBER CRIME	50%
2	CYBER ESPIONNAGE	40%
3	CYBER ACTIVISM	10%



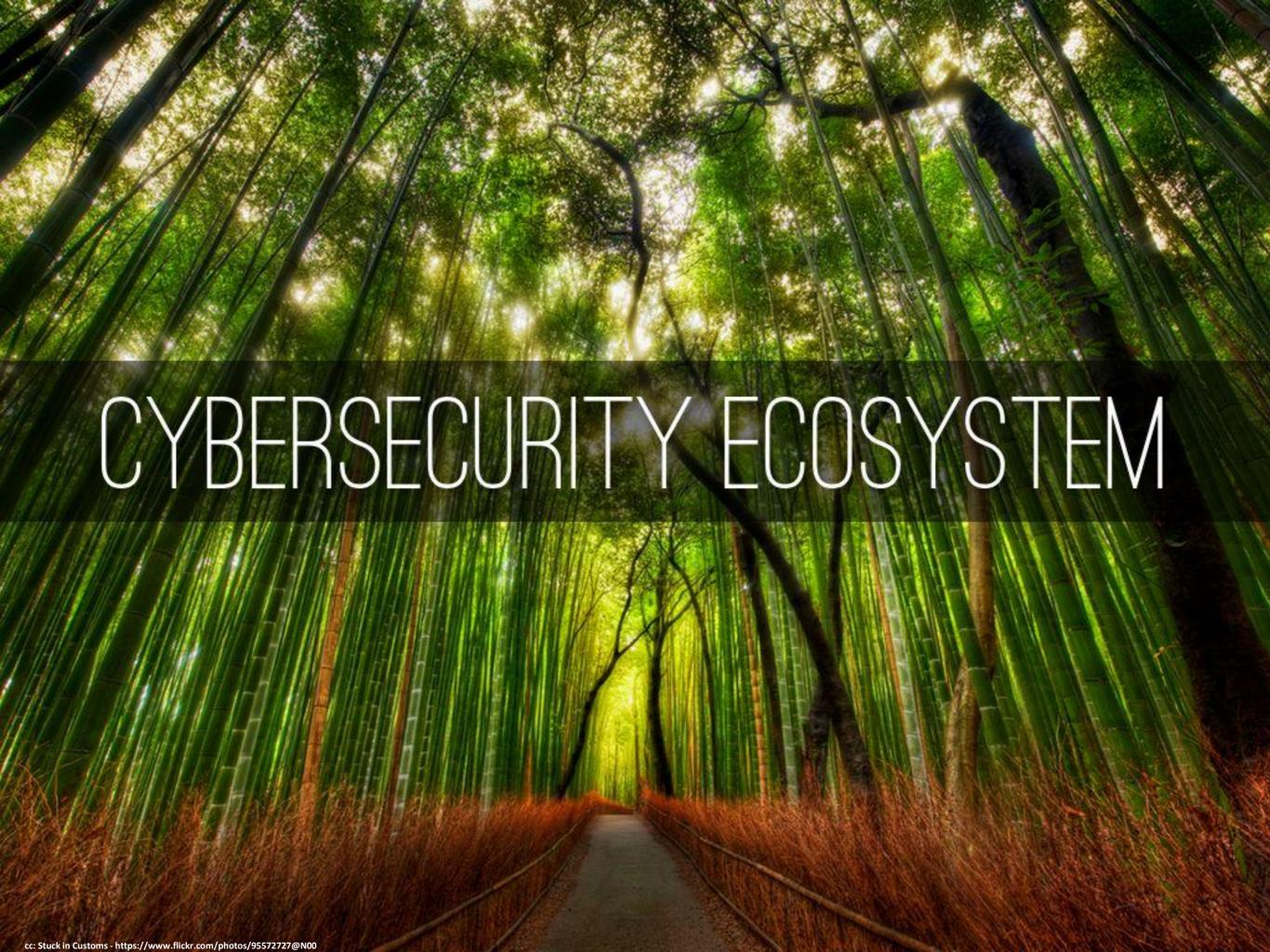
BANKING FRAUD

- using malware or phishing to access mailboxes
- banking details are replaced
- also combined with social engineering (via a phone)
- extreme cases: dedicated malware targeting corporate banking systems
- targets: mainly huge invoice processing organisations



TARGETED ATTACKS (APT)

- avoid attribution
- stay stealthy, hide in the crowd (abuse browsers, byod, set-top boxes)
- exfiltrate data/information (via legite cloud provider)



ECOSYSTEM

- multidisciplinarity
- collaboration
- competition
- self-organising networks
- scalability
- sustainability
- common public private effort

NATIONAL STRATEGY

- Cyber security goes beyond ICT
- Cyber security represents an economic opportunity
- Democratisation, creating synergies & governance
- Reduction/harmonisation of compliance costs
- Risk governance based approach
- Cyber Security as Infrastructure

ACTORS

- Cyber Security Board
- Authorities/Regulators (sectoral)
- Public prosecutor & Police forcesOperational Entities (CERTs)
- (Critical) Infrastructure Providers
- Operational Entities (CERTs)
- Awareness & Informations sources
- · YOU!

DON'T BE THE WEAKEST LINK









cases. L

Secure. Innovate. Lead.

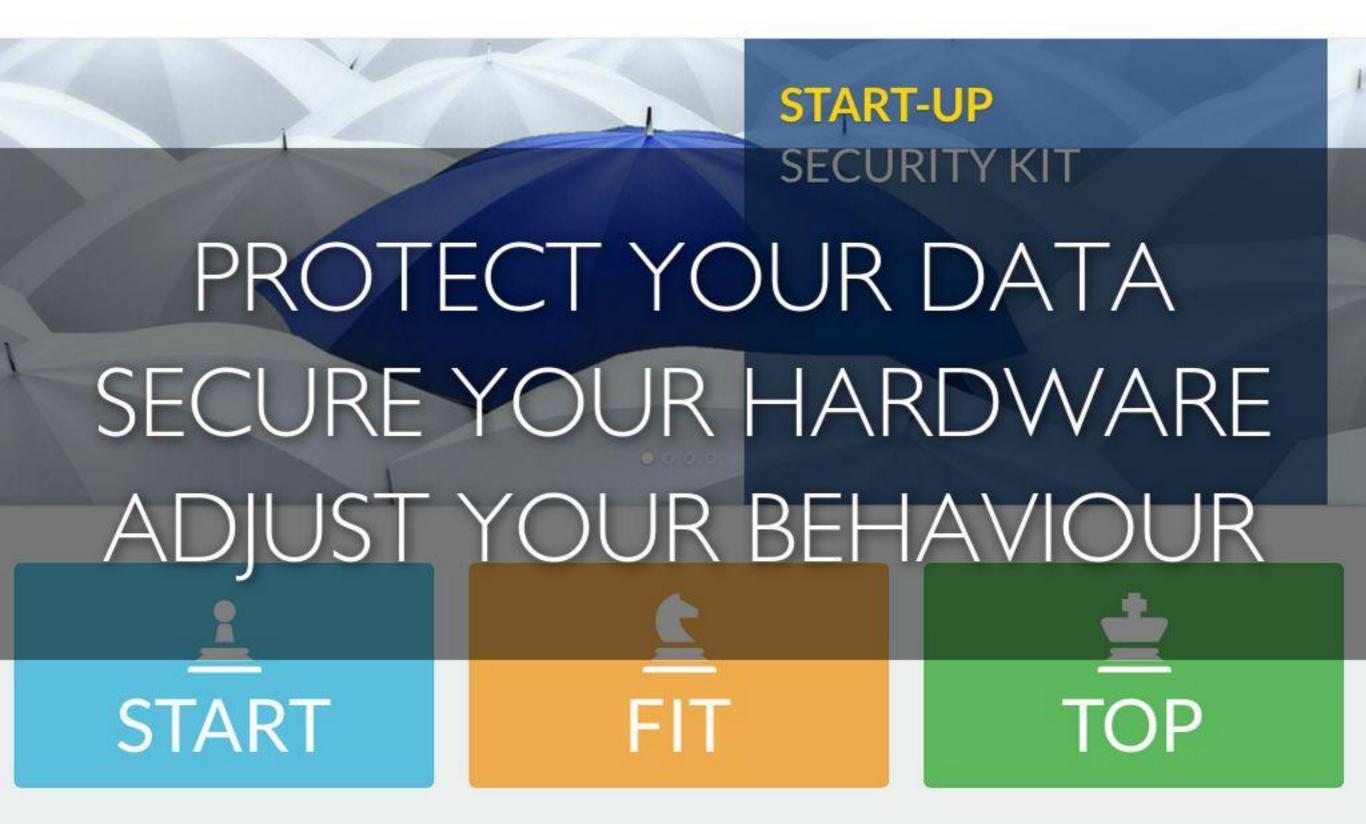


START-UP SECURITY KIT

START

FIT

TOP

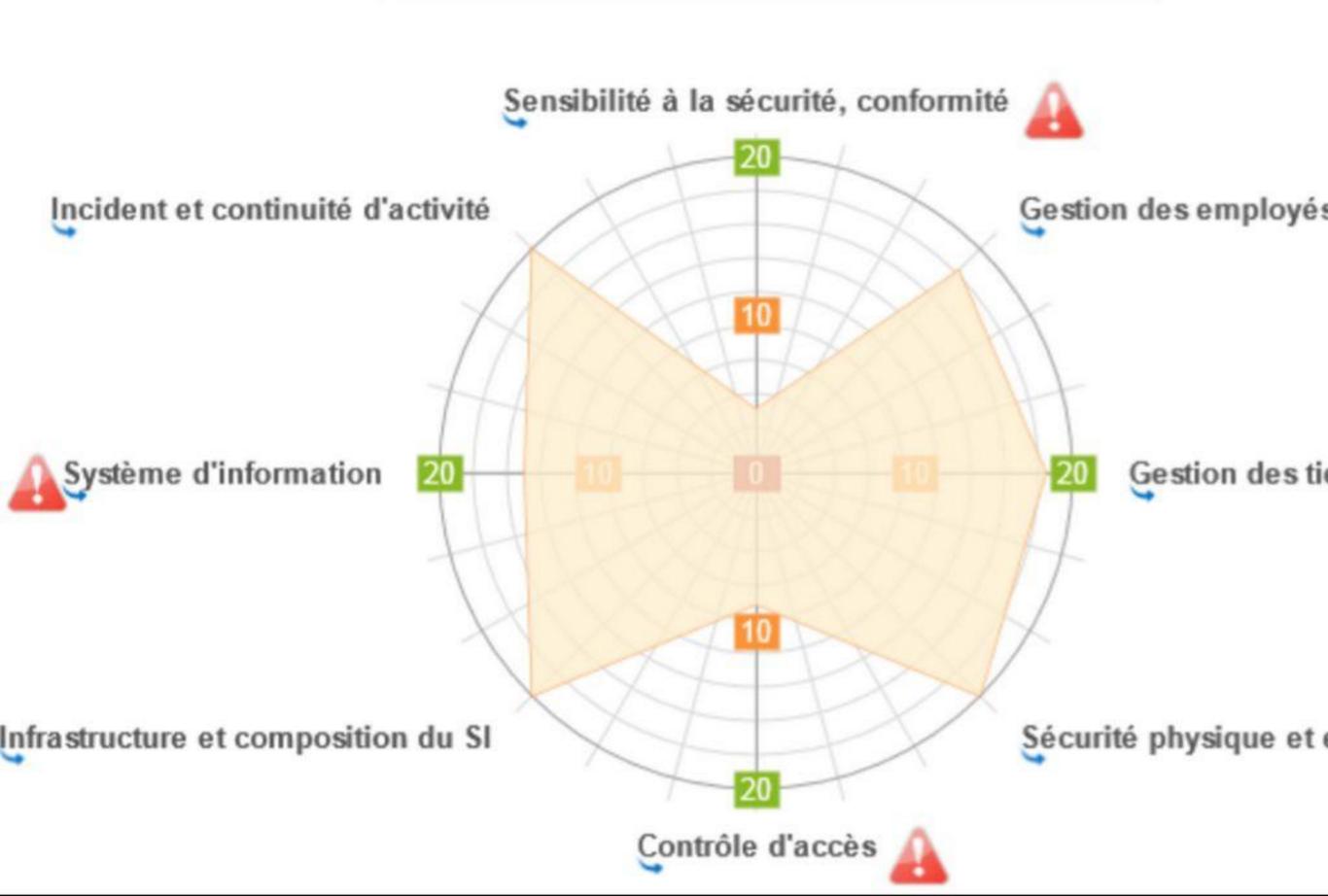


Get a head start in terms of security. Avoid the most common traps and Reinforce your defences. Organise your security. Develop your resilience.

Adopt the best protection techniques. Monitor your information systems.



Ma situation





Cyber Emergency Response Community Luxembourg

Stronger Together!

An initiative to enhance the collaboration between public and private CERTs in

4 public CERTs

5 private CERTs

I more to join soon



circl.lu

Detect. React. Innovate.



MAP.CIRCL.LU

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New event targeting IP addresses in Luxenbourg from Cambridge, United Kingdom (source: blackhole)
New event targeting IP addresses in Luxenbourg from Beijing, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from Shanghai, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from Englewood, USA (source: blackhole)
New event targeting IP addresses in Luxenbourg from Fremont, USA (source: blackhole)
New event targeting IP addresses in Luxenbourg from Hefei, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from USA (source: blackhole)
New event targeting IP addresses in Luxenbourg from Bursa, Turkey (source: blackhole)
New event targeting IP addresses in Luxenbourg from Switzerland (source: blackhole)
New event targeting IP addresses in Luxenbourg from Chuncheon, South Korea (source: blackhole)
New event targeting IP addresses in Luxenbourg from Sun City, USA (source: blackhole)
New event targeting IP addresses in Luxenbourg from Silver Spring, USA (source: blackhole)
New event targeting IP addresses in Luxenbourg from Beijing, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from Beijing, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from Beijing, China (source: blackhole)
New event targeting IP addresses in Luxenbourg from San Jose, USA (source: blackhole)
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Partners hosting a CIRCL sensor

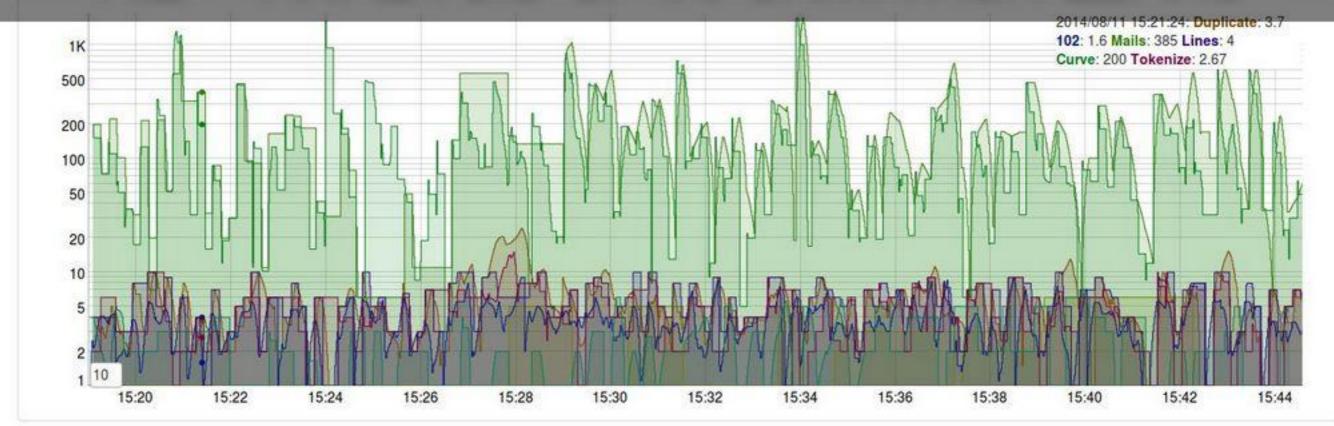




Luxembourg

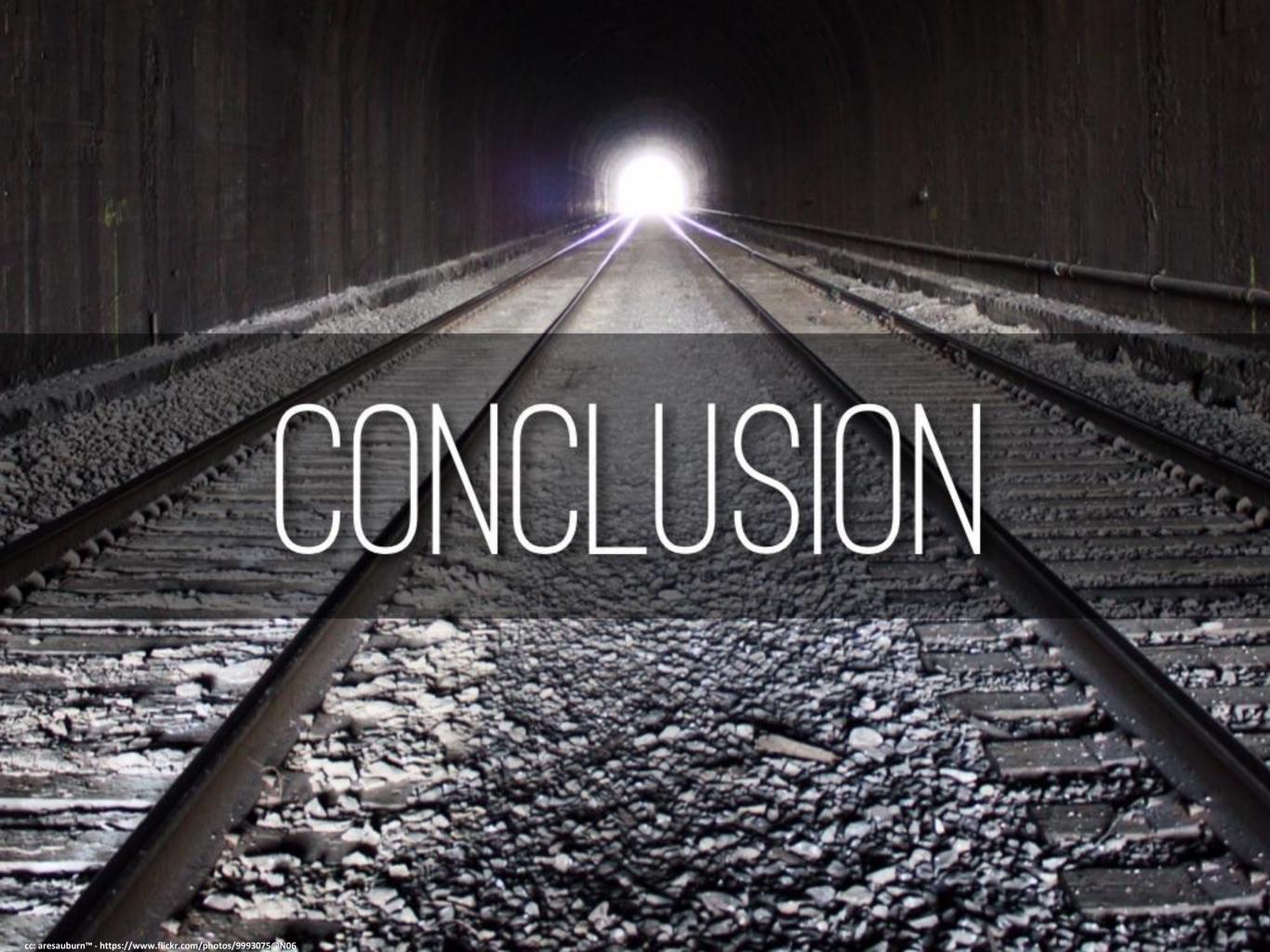
mework -- Dashboard

- ANALYSIS OF INFORMATION LEAKS



■ Logs						10 ■ INFO WARNING CRITICAL	
Channel	Level	Script Name	Source	Date	Paste name	Message	
Script	INFO	Categ	pastebin.com	20140811	T5qu3ub1.gz	Detected 1 http	
Script	INFO	Categ	pastebin.com	20140811	qmjgEhWm.gz	Detected 9 http	
Script	INFO	Url	pastebin.com	20140811	T5qu3ub1.gz	3 Valid url detected	
Script	INFO	Categ	pastebin.com	20140811	vULV0yjM.gz	Detected 2 https	
Script	INFO	Categ	pastebin.com	20140811	vULV0yjM.gz	Detected 1 http	
Script	INFO	Categ	pastebin.com	20140811	8qEgyXvH.gz	Detected 1 http	
Script	INFO	Categ	pastebin.com	20140811	8qEgyXvH.gz	Detected 1 password	
Script	INFO	Url	pastebin.com	20140811	qmjgEhWm.gz	9 Valid url detected	
Script	INFO	Url	pastebin.com	20140811	vULV0yjM.gz	3 Valid url detected	
Script	INFO	Url	pastebin.com	20140811	8qEgyXvH.gz	1 Valid url detected	





PREVENTION IS NOT ENOUGH

- be proactive, be organised, have a CISO
- you are already compromised
- detect and handle it right (set-up/work with CERTs)
- prepare for a crisis
- get an insurance

THERE ARE NO SMALL INCIDENTS

- Minor incidents escalate fast
- Exploitation is still too easy
- Multi-compromises are used and abused
- IoT makes it even worse
- Attacks & attackers don't stop at the borders







