Cybersecurity

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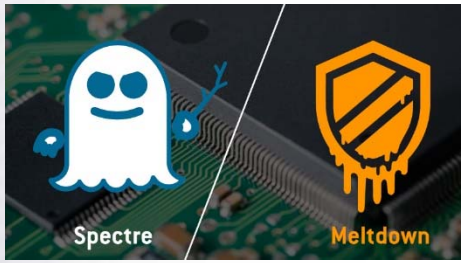
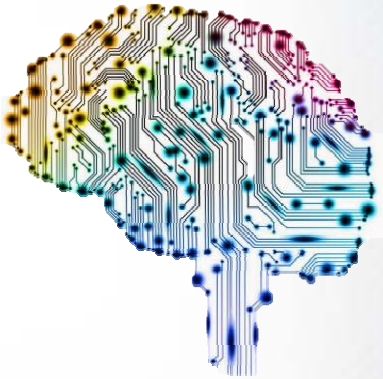
Context

Trends

Vulnerabilities in current systems may get worse with new tech





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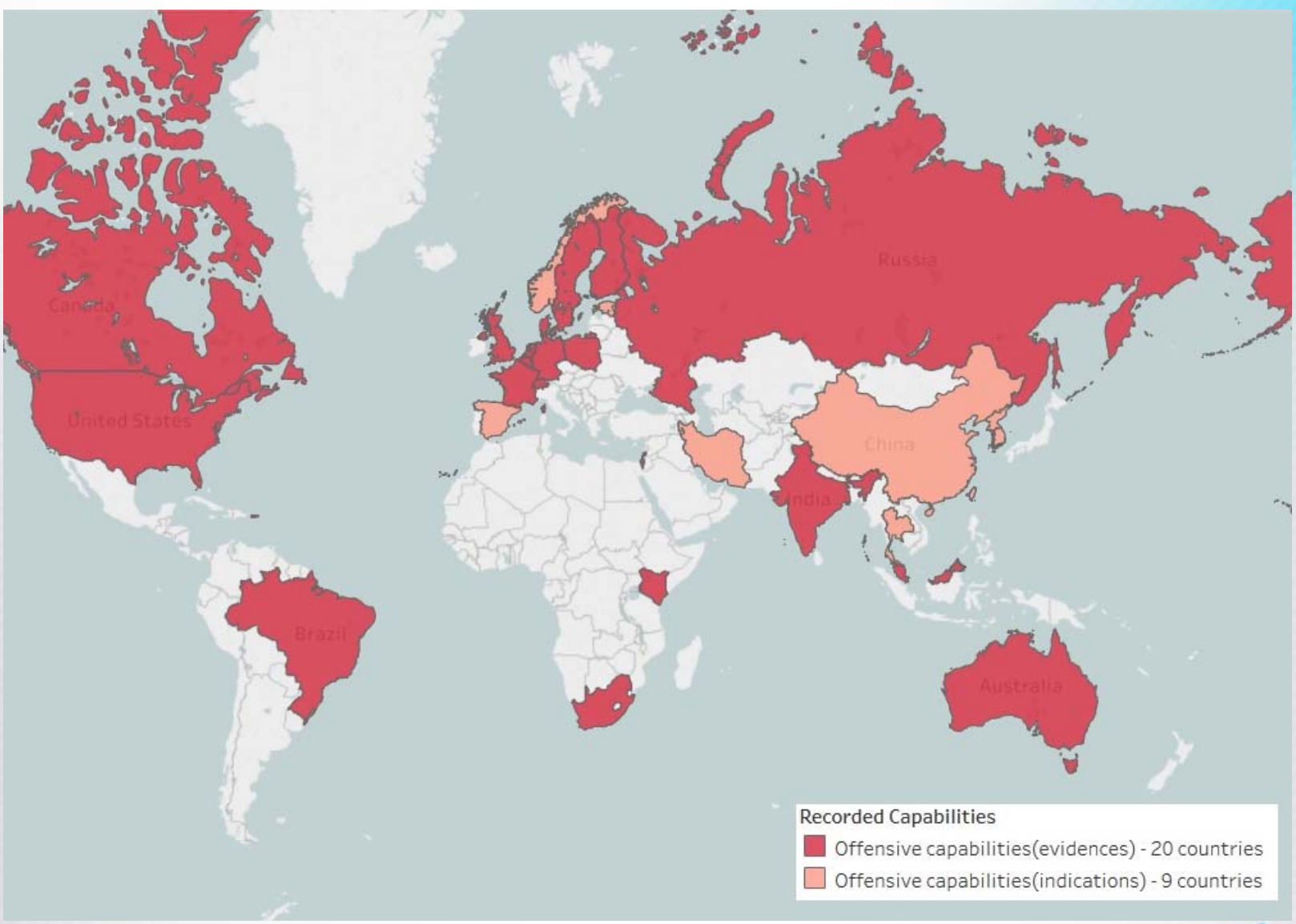
Cyber-armament threatens digital society/economy



Available at: https://dig.watch/processes/ungge

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Targets

U, me, everybody

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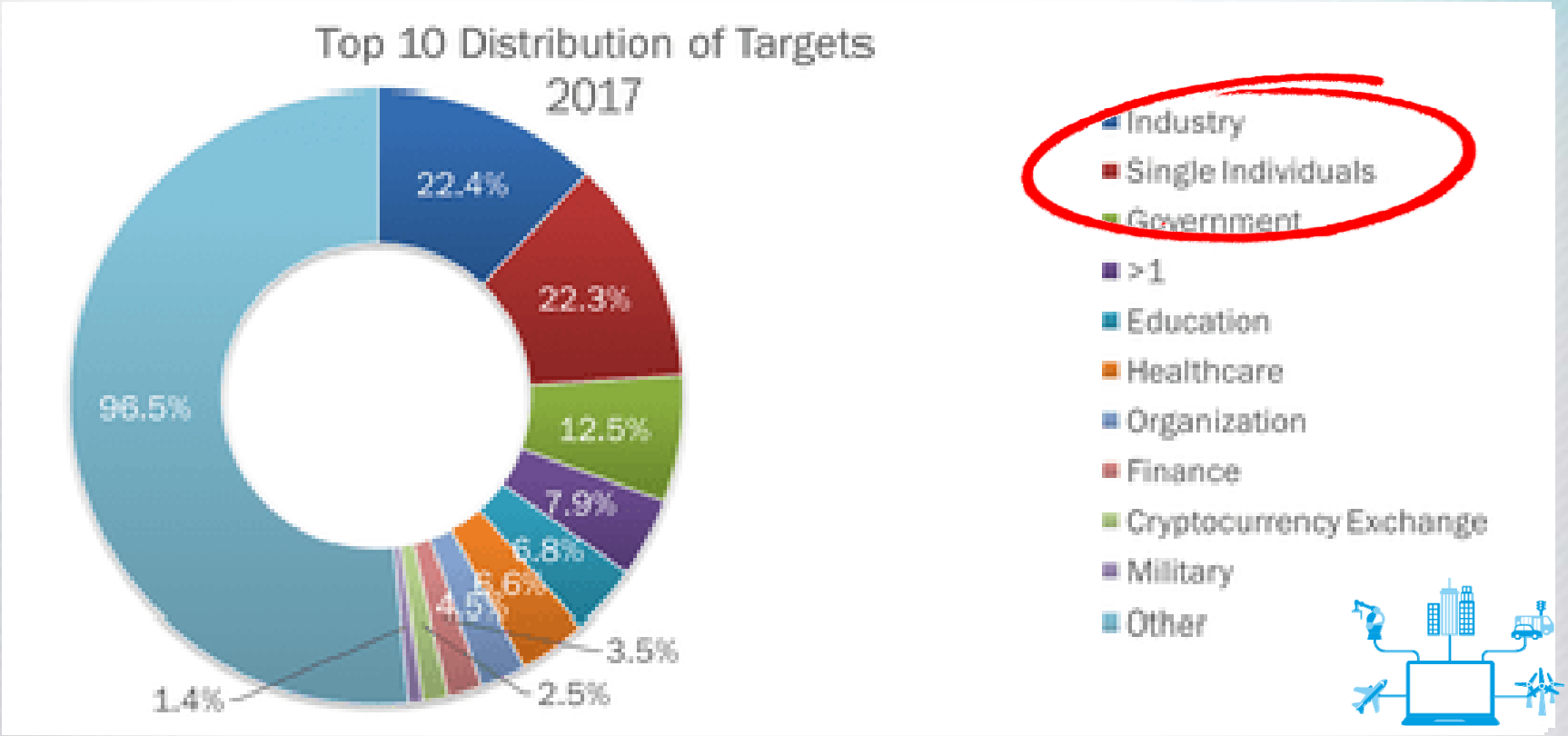
Industry and governments are becoming primary targets



Source: Hackmageddon

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Critical infrastructure is digitally dependent and vulnerable

Control room in 60s, 80s and 2000s

CI to be connected in near future

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Perpetrators

7-77

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Attacks are conducted by criminals, groups and states

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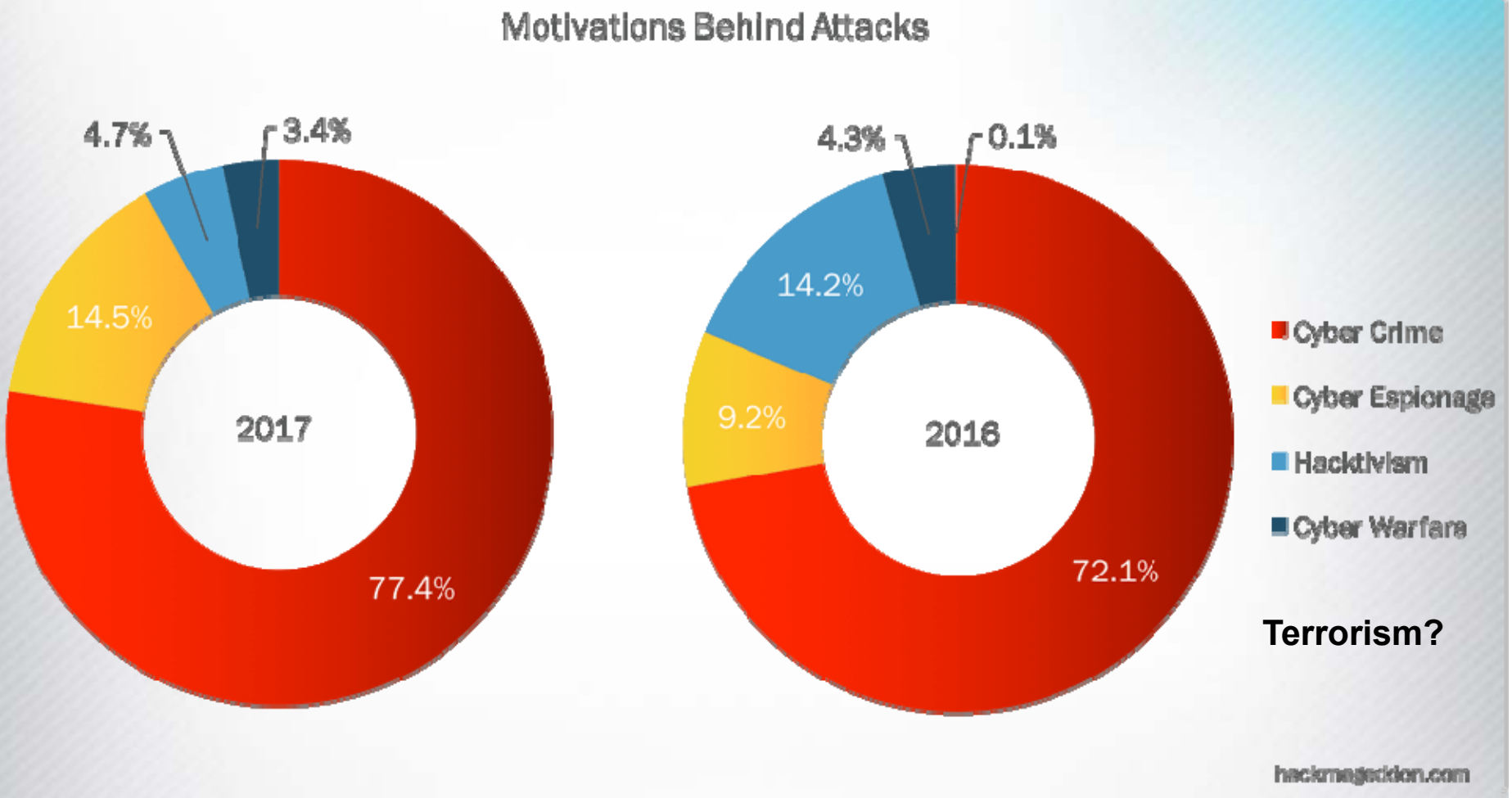
Cyber-warfare and espionage attacks are increasing



Source: Hackmageddon

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Issues

Main aspects

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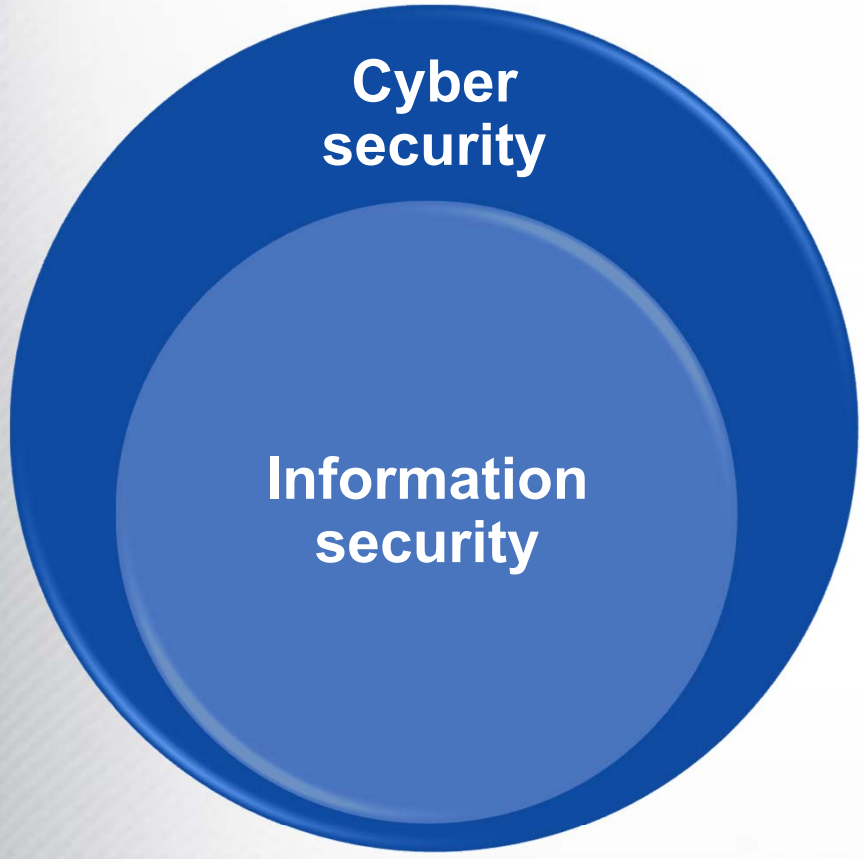
Definition and understanding of terms differs globally



US and Euro-Atlantic Approach

Chinese-Russian Approach

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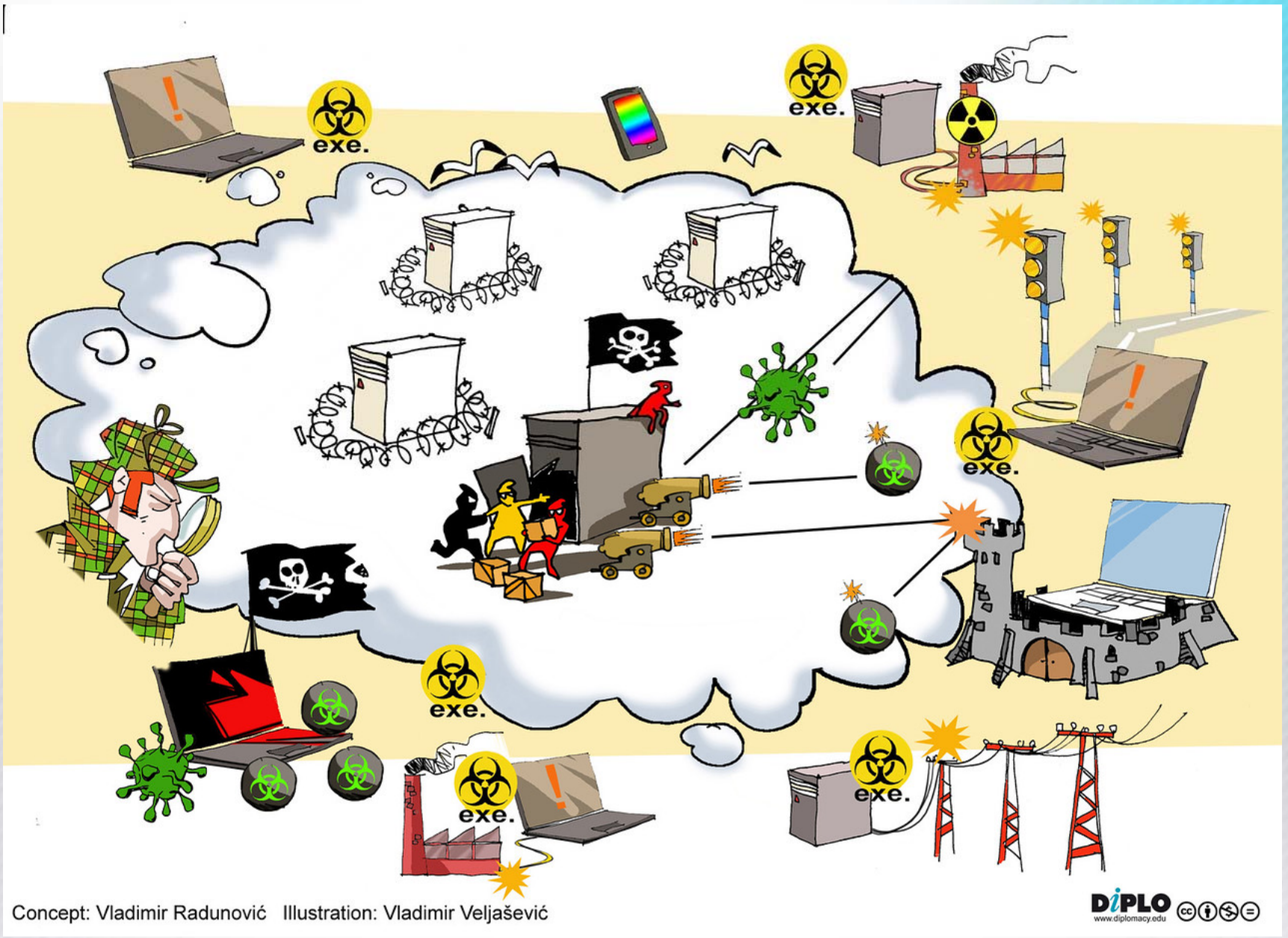
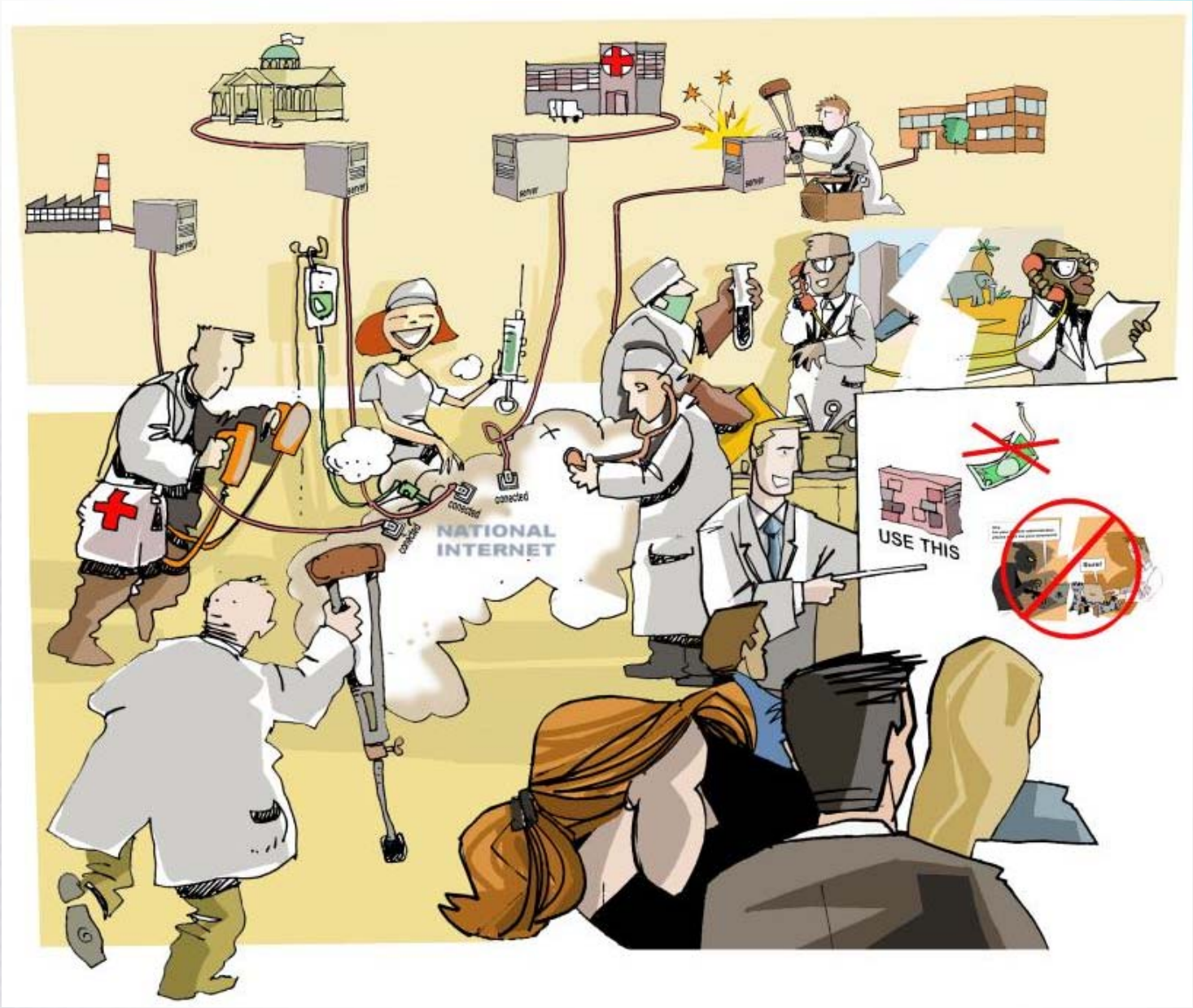
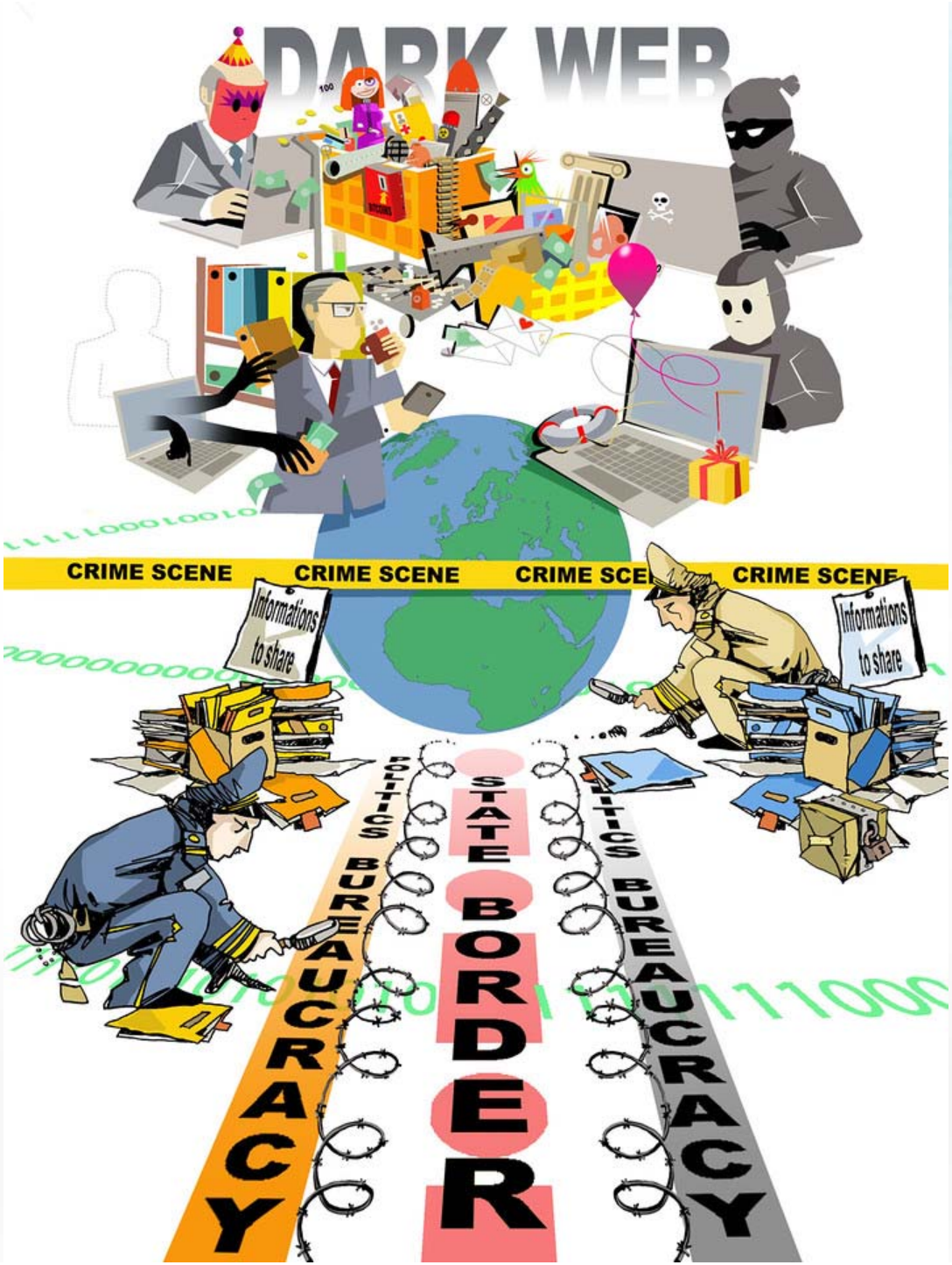
Issue: Network and critical infrastructure



Issue: Incident response



Issue: Combating crime



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Issue: Peace and security / Cyber-warfare and conflicts

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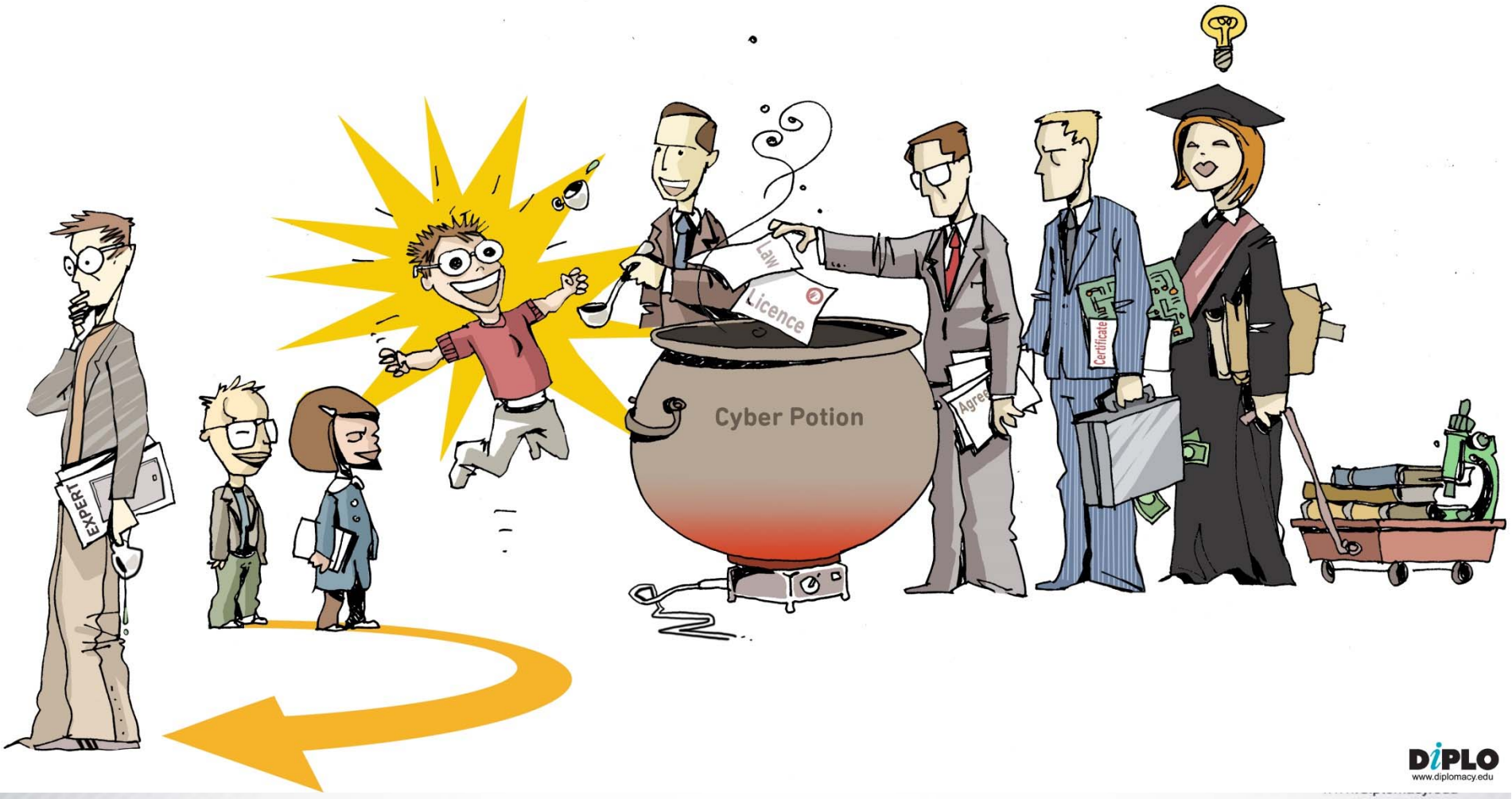
Issue: Competences, education and capacity building



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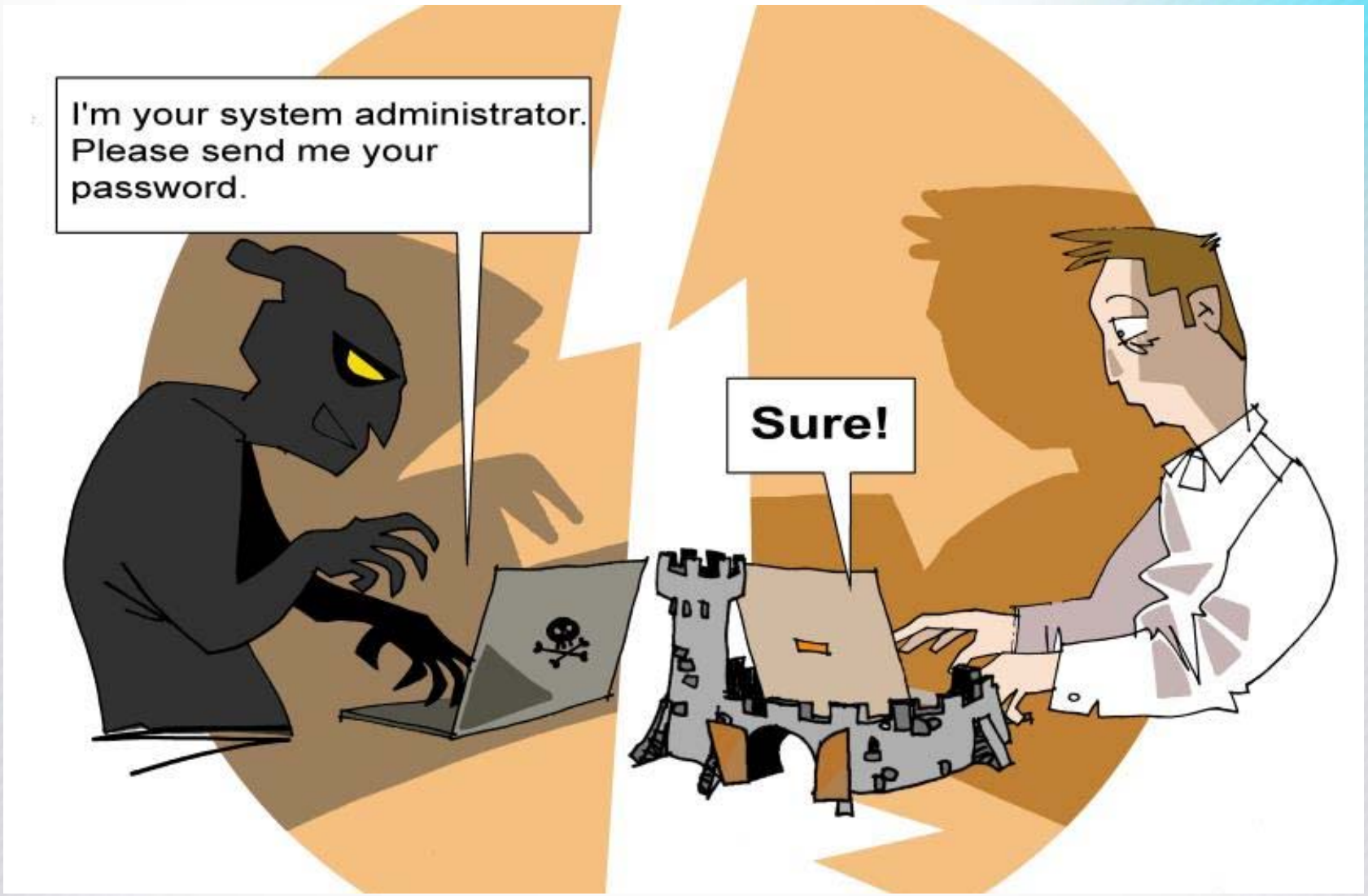
Issue: Awareness and cybersecurity culture



Response Mechanisms

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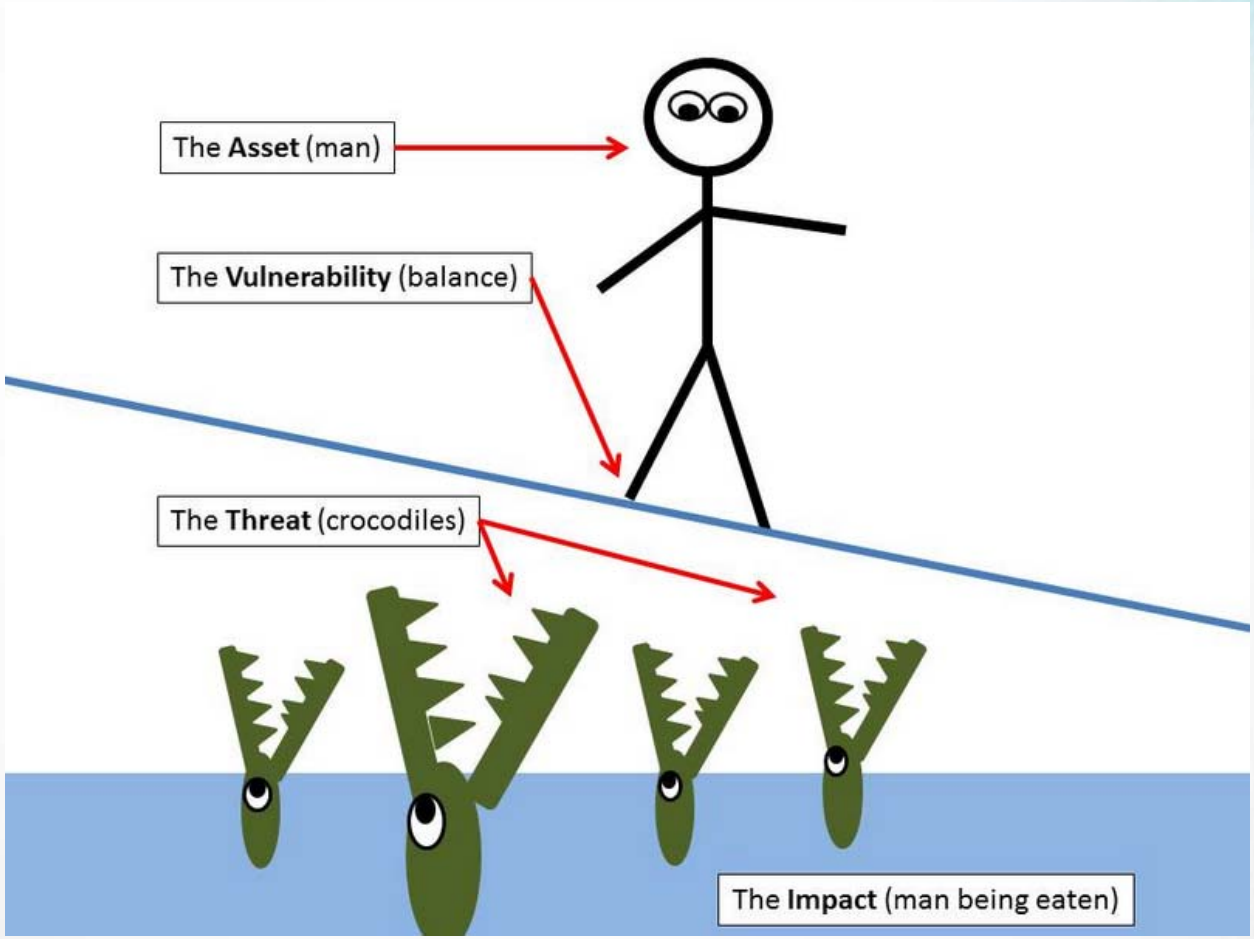
Risks depend on several variables



Risk = Assets x Threats x Vulnerabilities

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Responsibility for cybersecurity is collaborative/shared among actors

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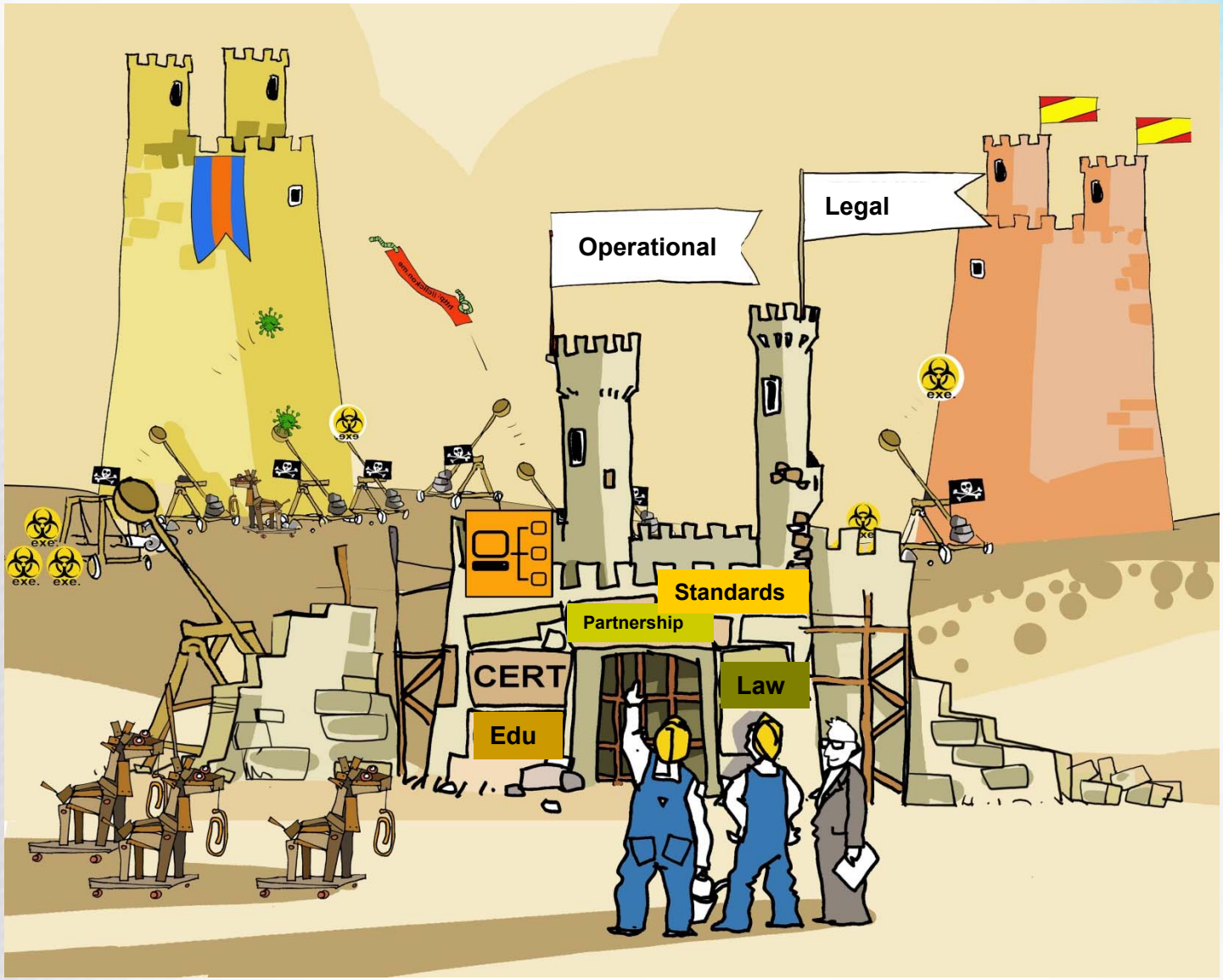
Strategic approach include legal and operational aspects



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Initiatives

International coop.

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Growing number of regional and global fora exist

WORLD ECONOMIC FORUM

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Foreign Affairs FDFA

GLOBAL COMMISSION ON THE STABILITY OF CYBERSPACE

FIRST

GFCE

OSCE

IGF Internet Governance Forum

GCCS 2017
INDIA CONFERENCE ON CYBERSPACE

PaCSON

OECD

FREEDOM ONLINE COALITION

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