Cybersecurity

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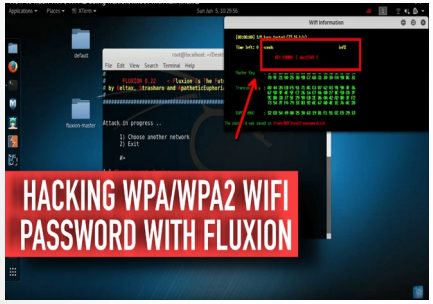
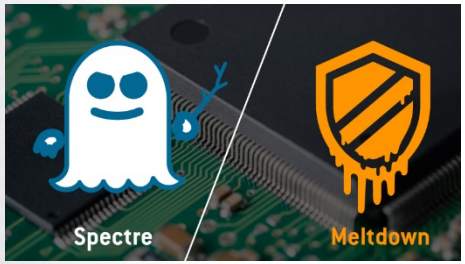
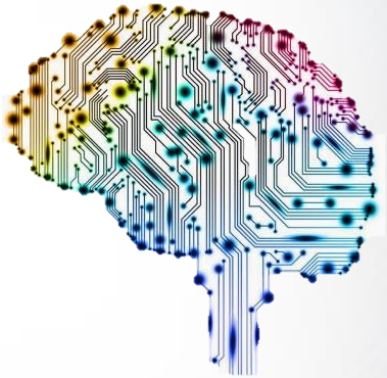
Context

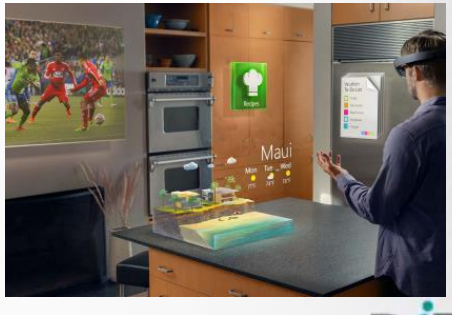
Trends

Vulnerabilities in current systems may get worse with new tech









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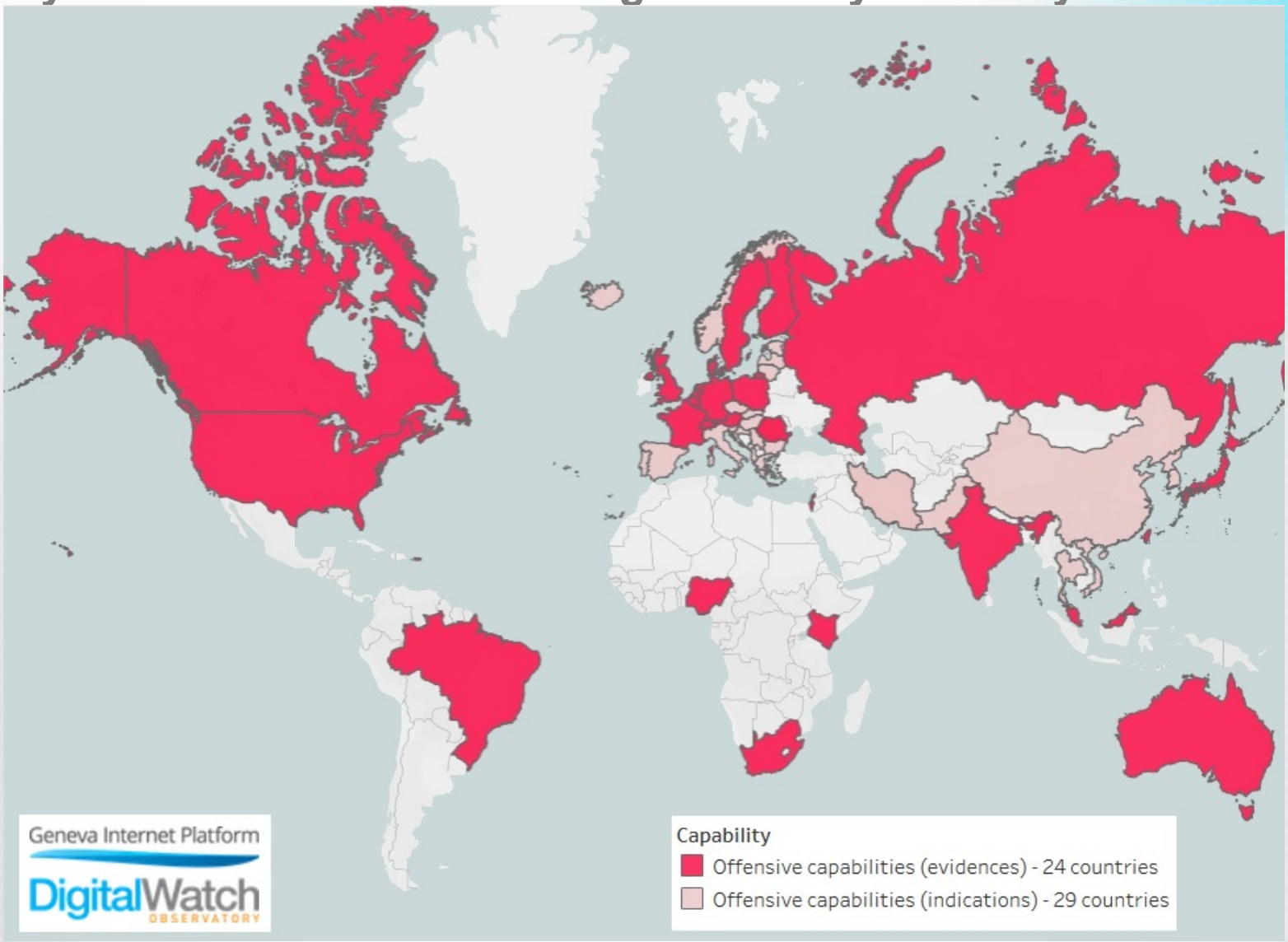
Cyber-armament threatens digital society/economy



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

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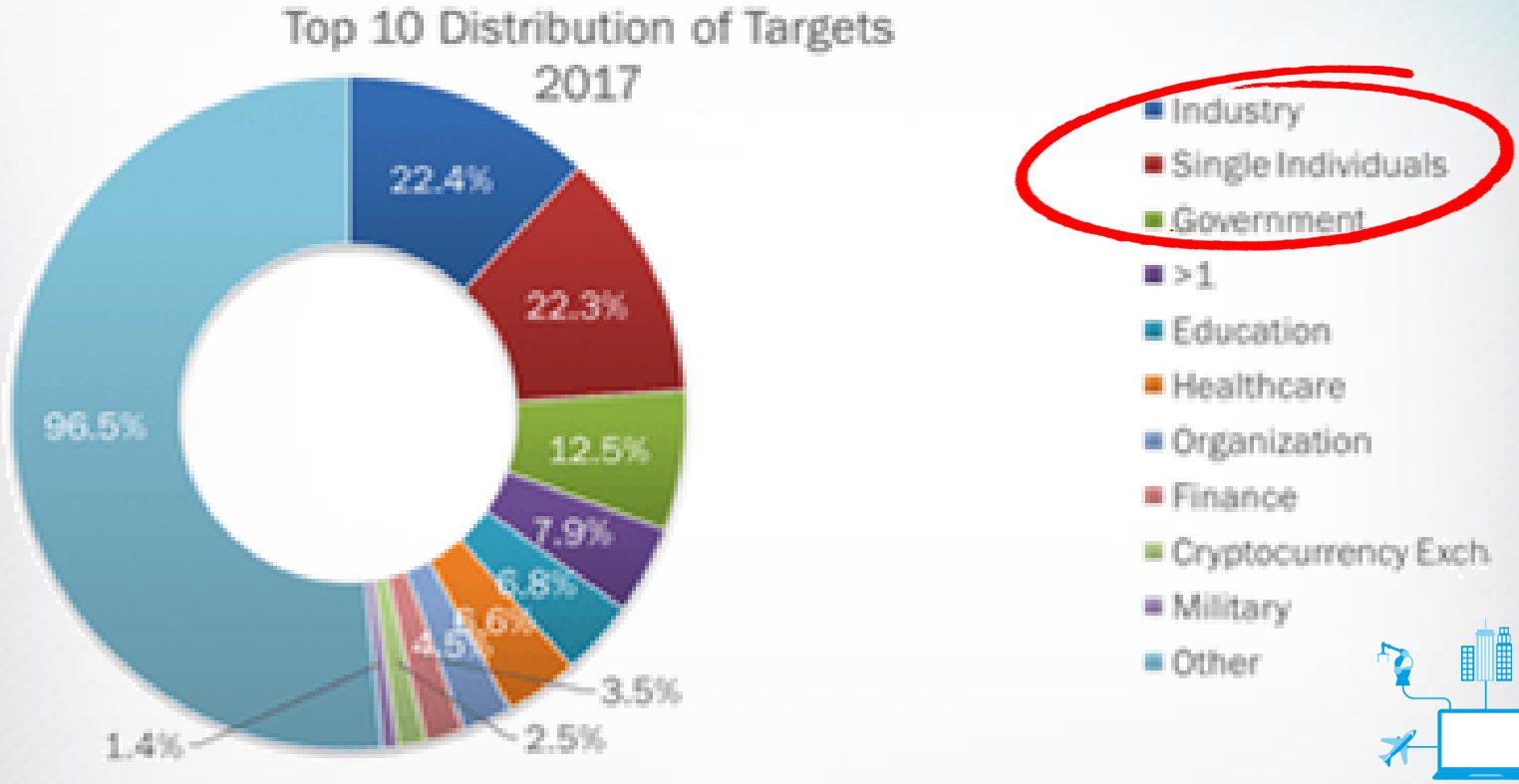
Targets

U, me, everybody

Industry and governments are becoming primary targets



Source: Hackmageddon

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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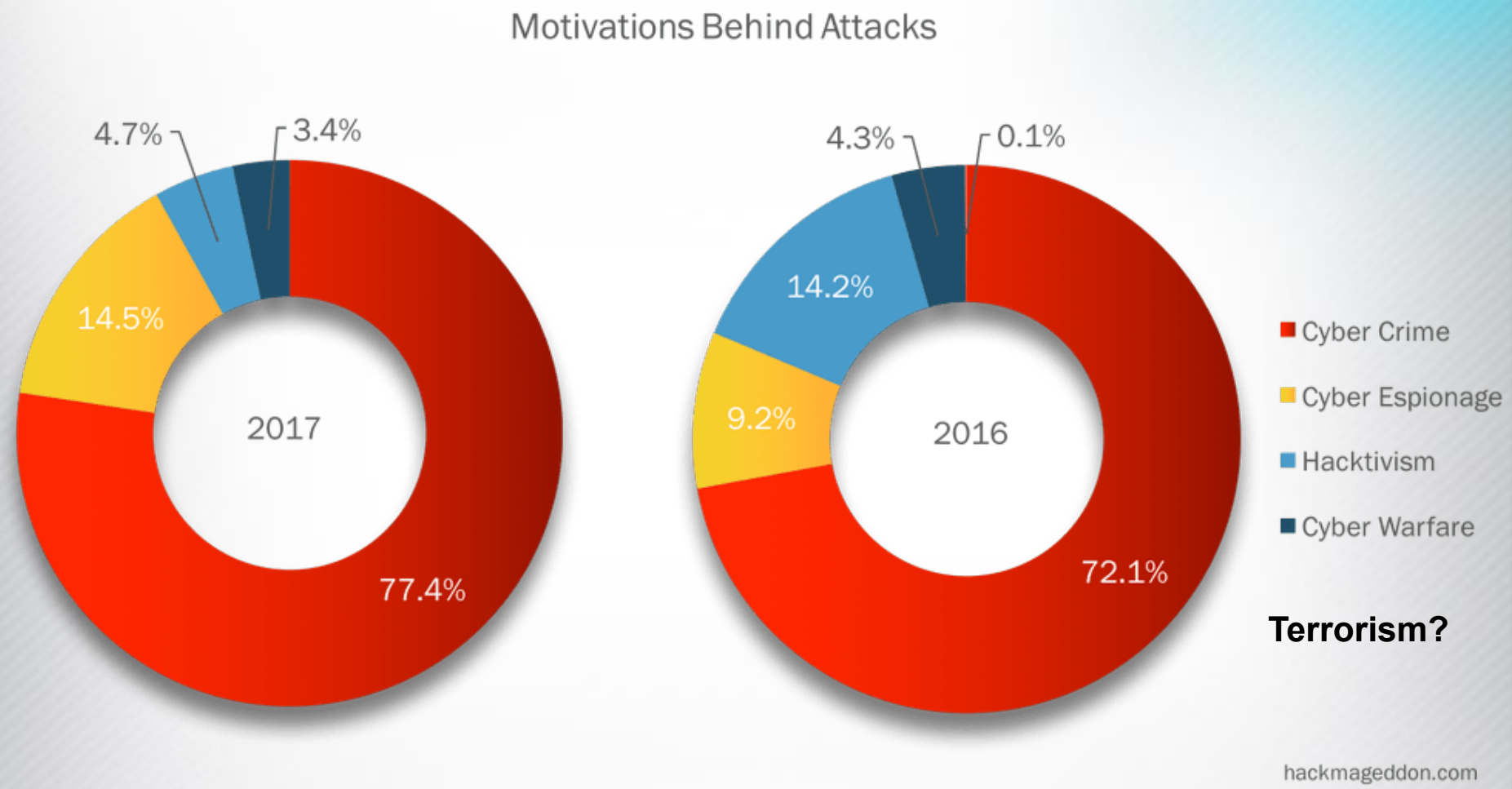
Attacks are conducted by criminals, groups and states

Cyber-warfare and espionage attacks are increasing



Source: Hackmageddon

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Issues

Main aspects

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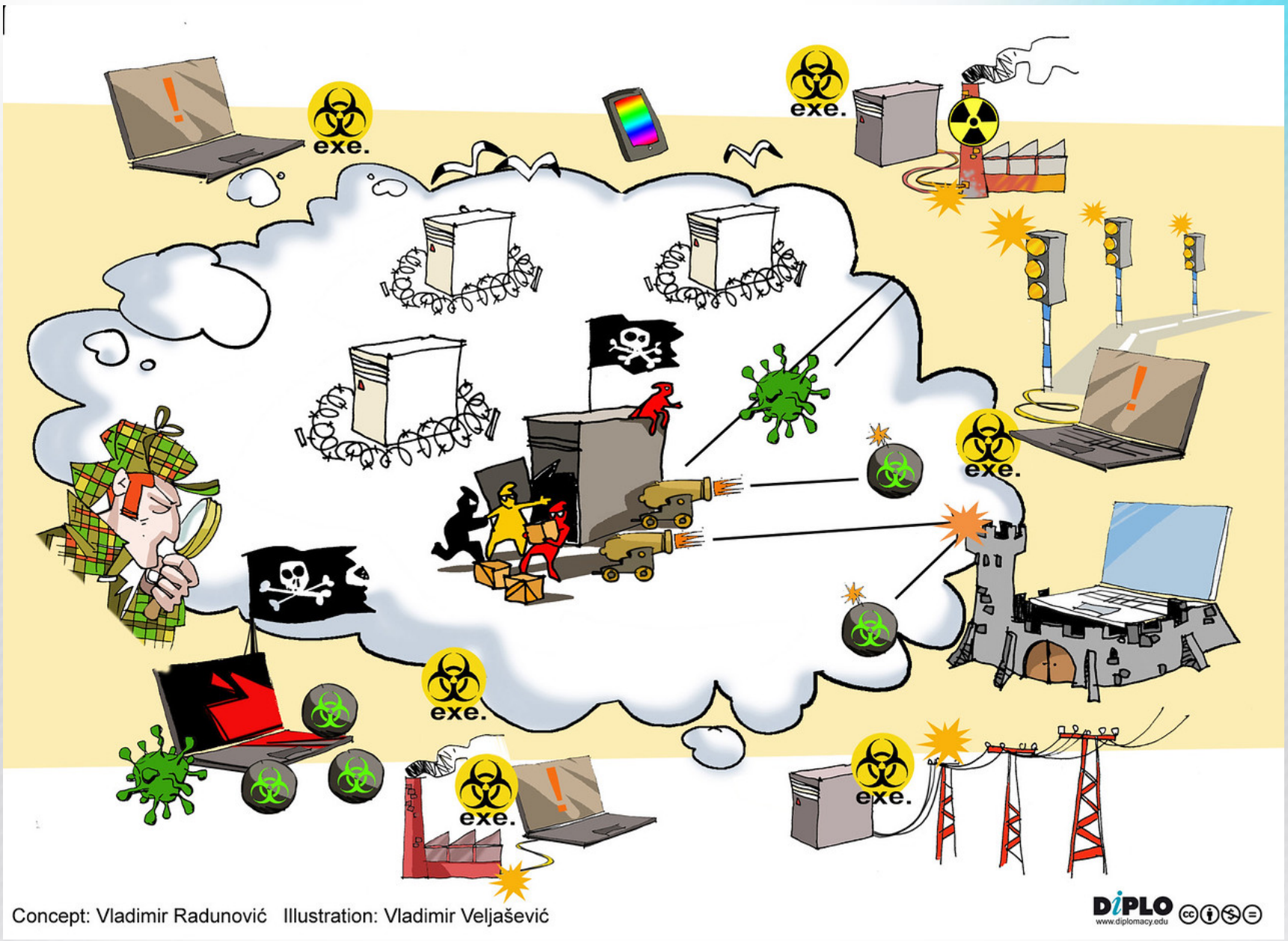
Definition and understanding of terms differs globally

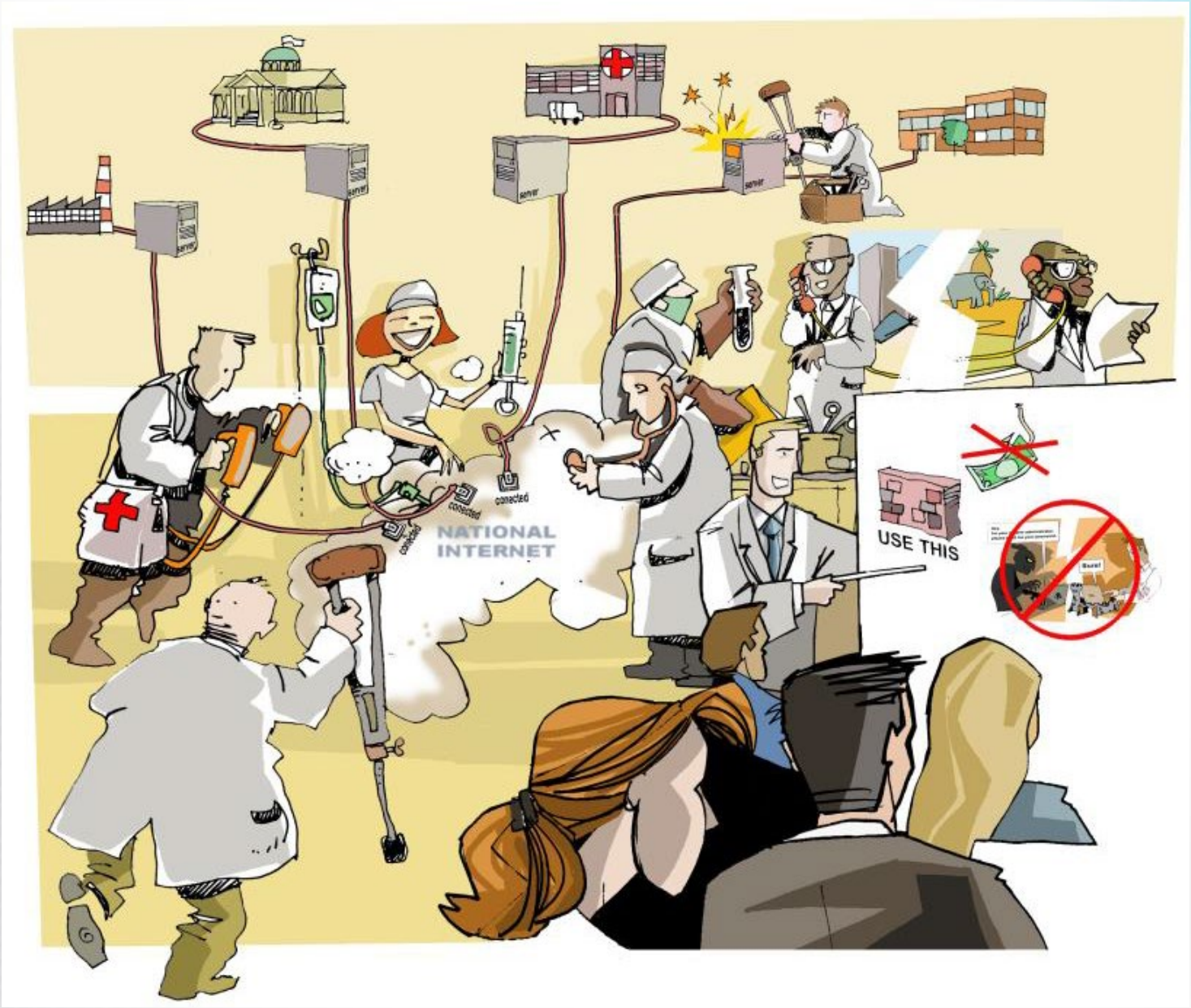
US and Euro-Atlantic Approach

Chinese-Russian Approach

Issue: Network and critical infrastructure



Issue: Incident response



Issue: Combating crime

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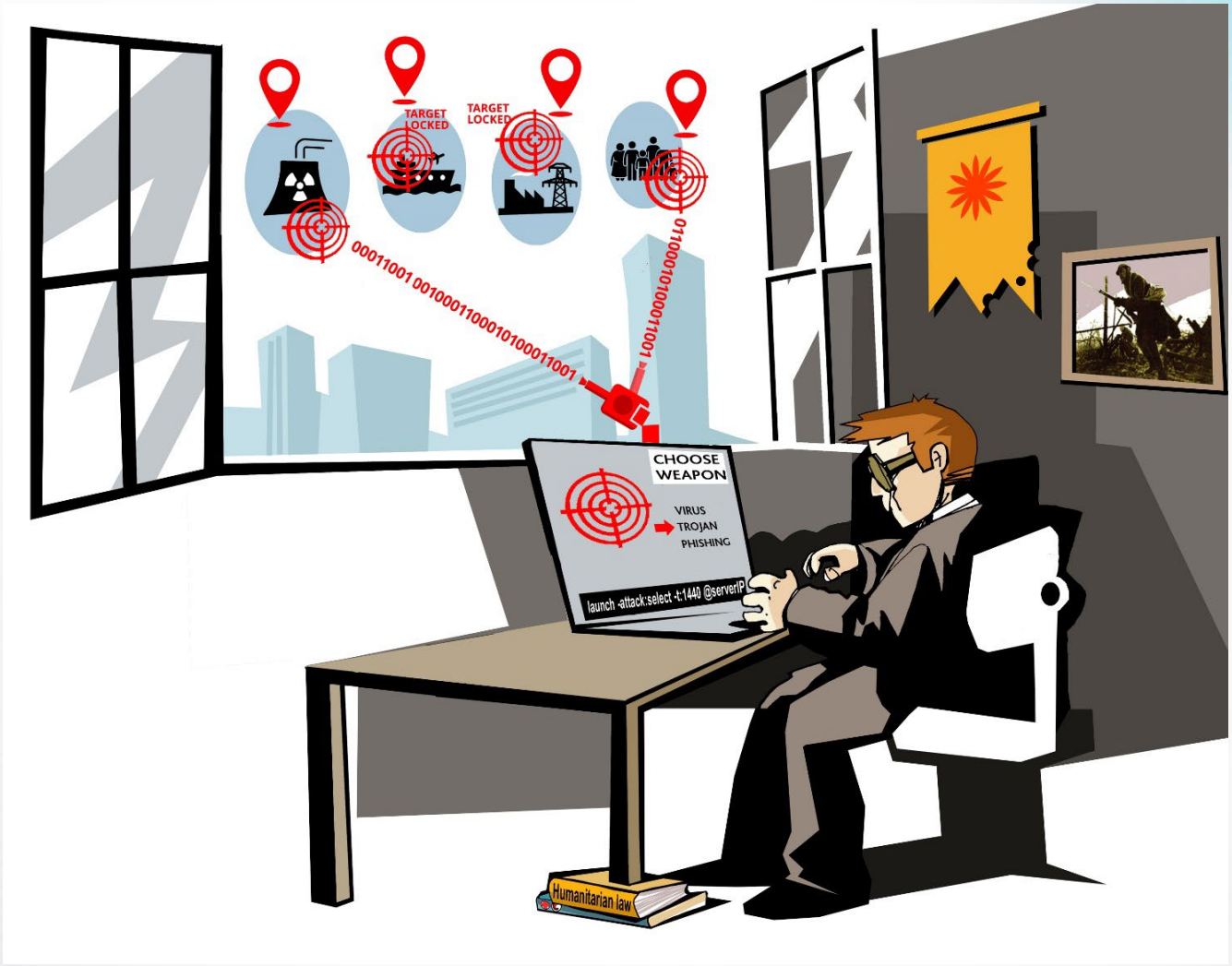
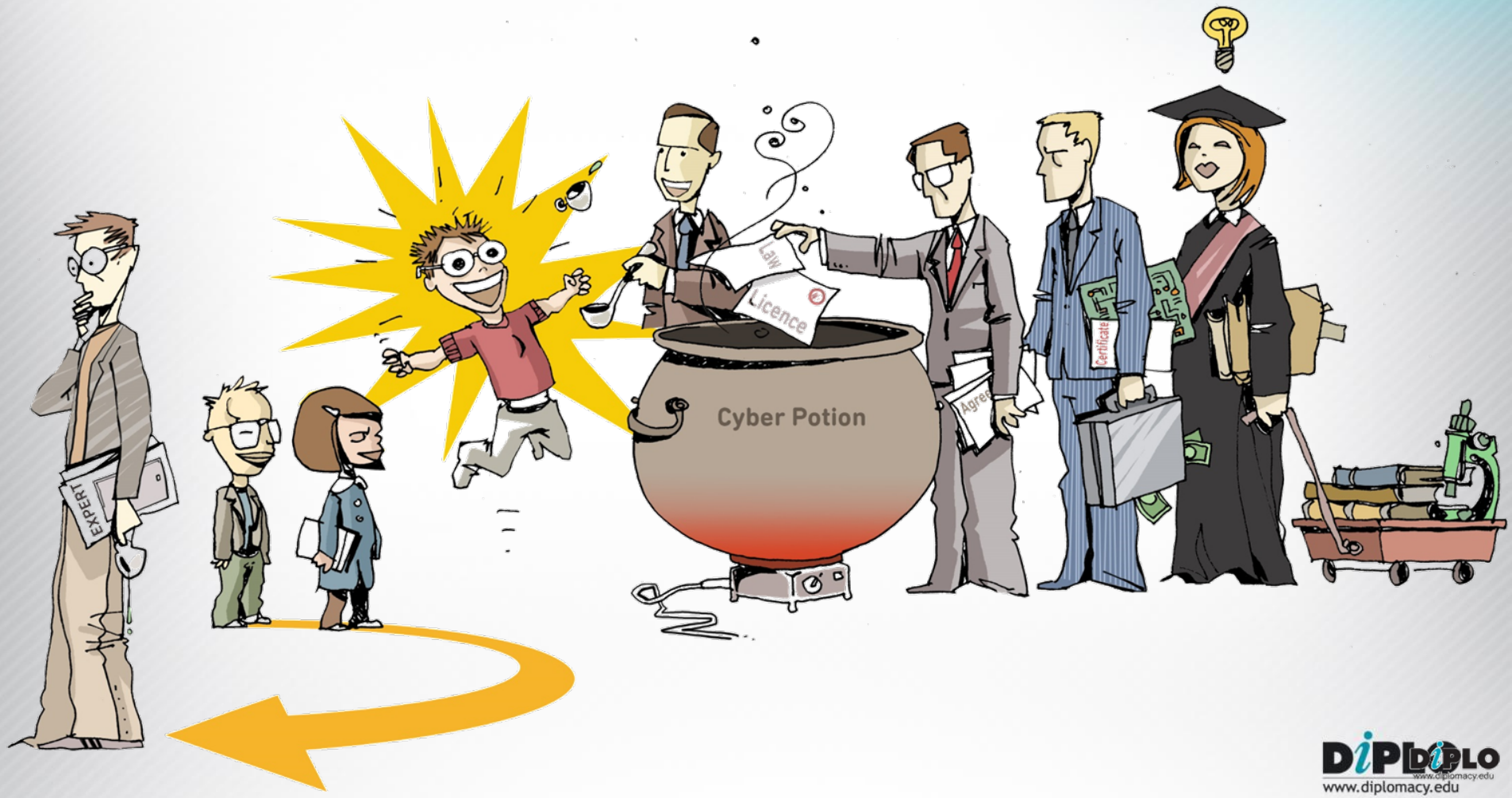
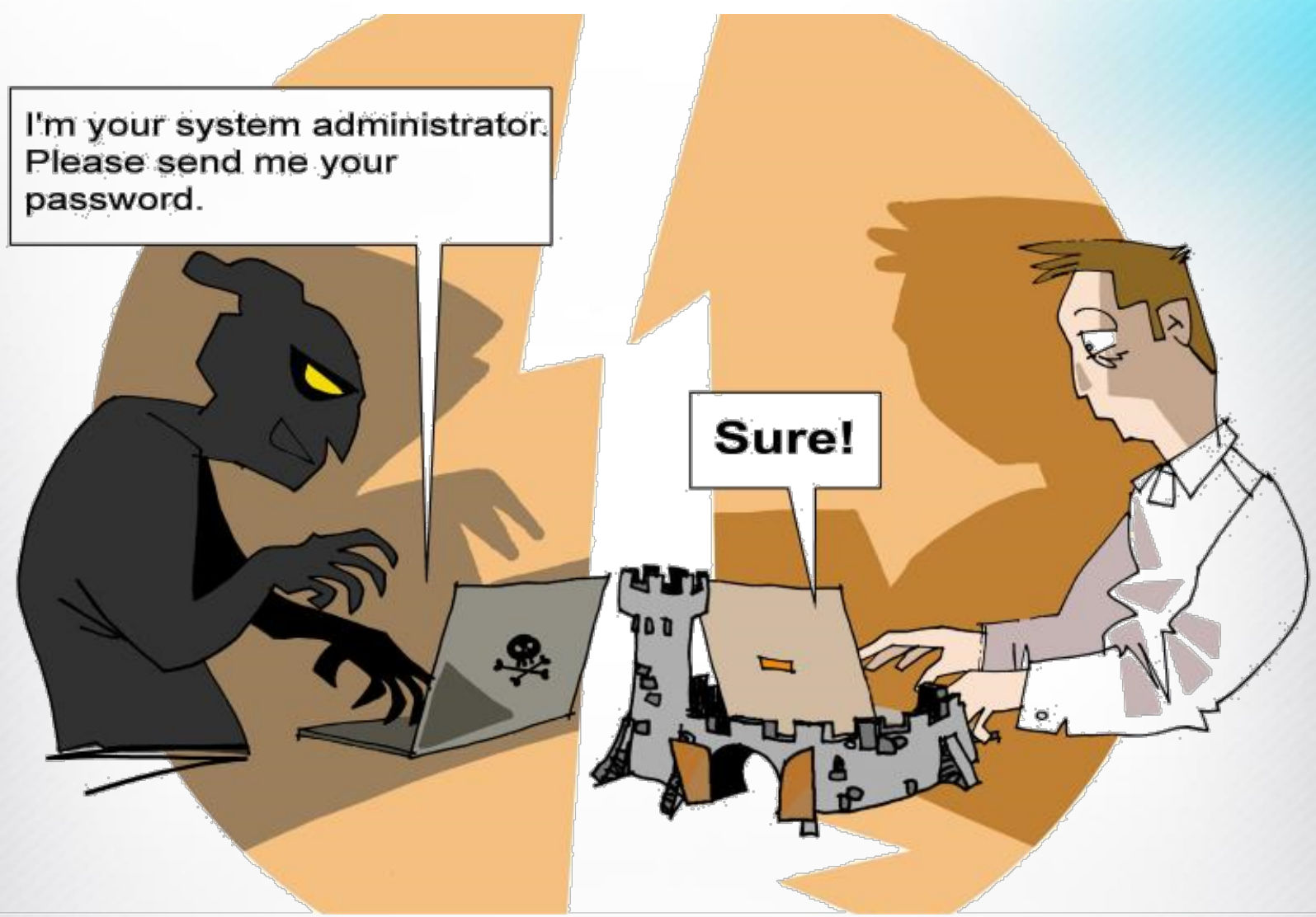
Issue: Peace and security / Cyber-warfare and conflicts



Issue: Competences, education and capacity building



Issue: Awareness and cybersecurity culture



Response Mechanisms

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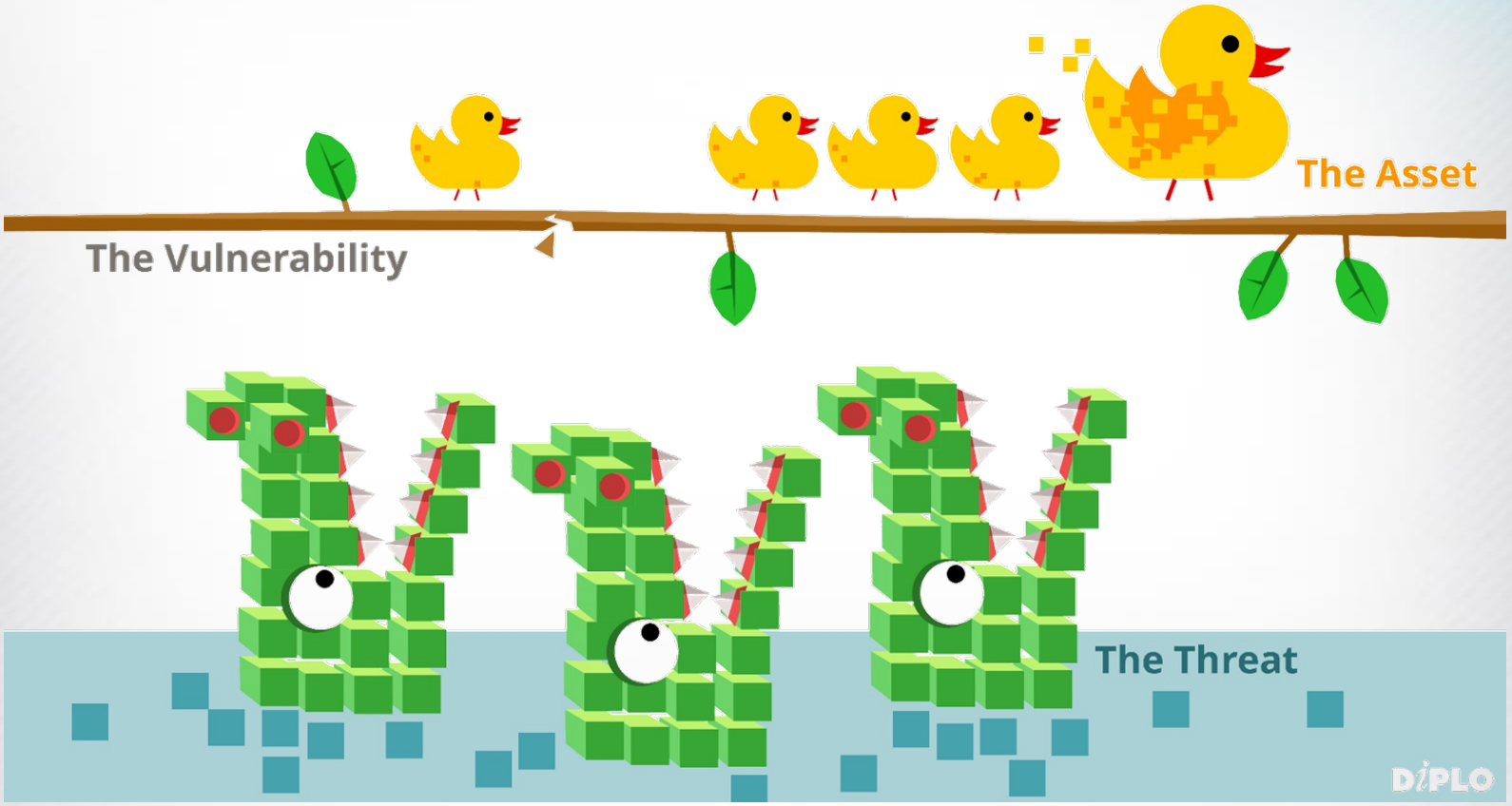
Risks depend on several variables



Risk = Assets x Threats x Vulnerabilities

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Responsibility for cybersecurity is collaborative/shared among actors

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Holistic approach

CYBERSECURITY

INTERNET STABILITY

PRIVACY

DATA PROTECTION

PROTECTION OF CORPORATE DIGITAL ASSETS

RESPONSIBLE USE OF THE INTERNET

INCREASING TRUST

BUSINESS & ECONOMY

FREEDOM OF INFORMATION
RIGHT TO ACCESS
NETWORK NEUTRALITY

HUMAN RIGHTS

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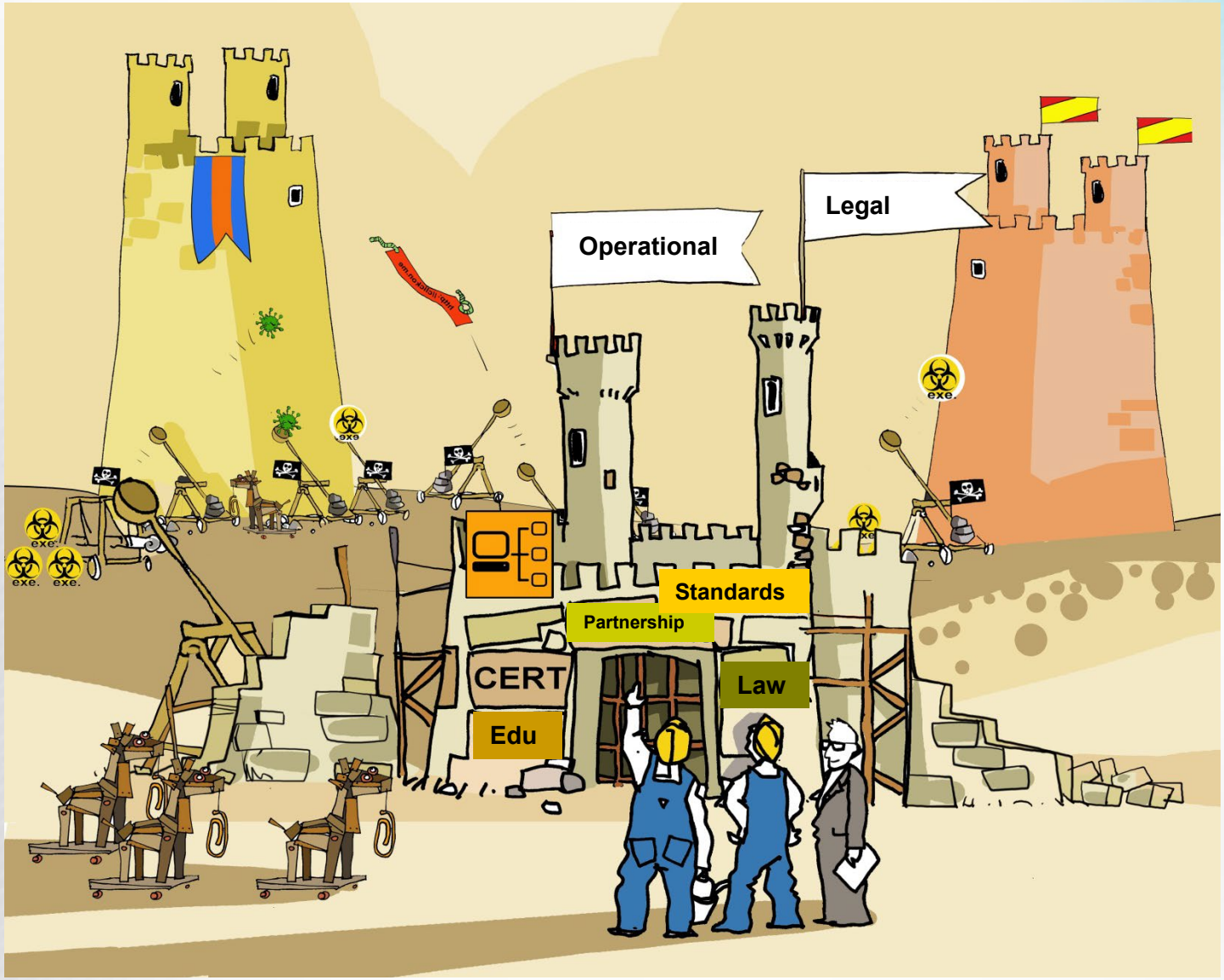
Concept: Jovan Kurbalija Illustration: Vladimir Veljašević

Strategic approach include legal and operational aspects



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Initiatives

International coop.

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
Improving Security Together

GFCE

OSCE

IGF Internet Governance Forum

GCCS 2017
INDIA CONFERENCE ON CYBERSPACE

PaCSON

OECD

FREEDOM ONLINE COALITION

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