Overview

pptPlex Section Divider

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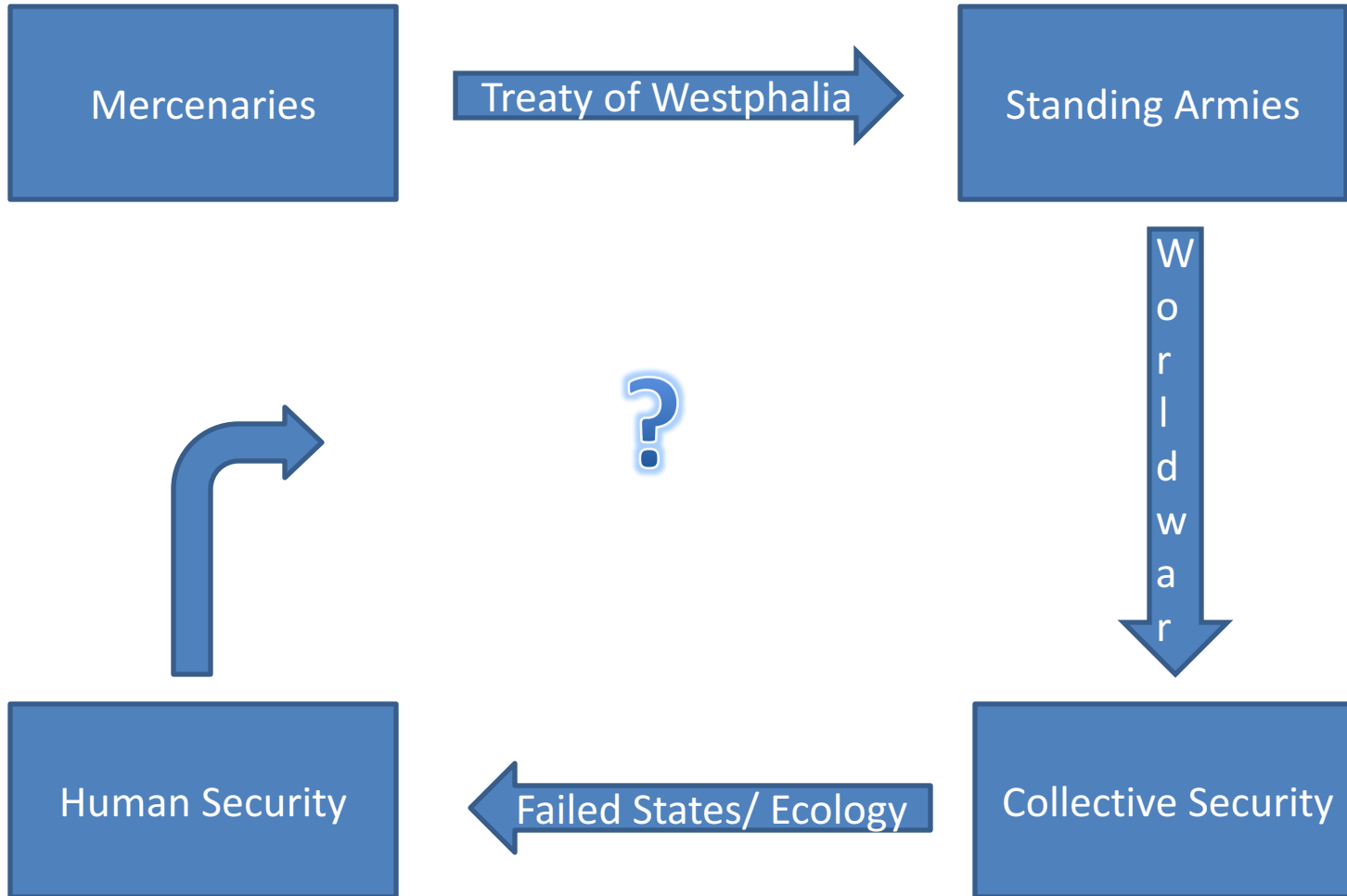# Cyberwarfare and National Security in the Age of #Anti-Sec

rootcon5 – hacker and security conference

September 9–10, 2011 | Parklane Hotel, Cebu City

Sven 'z_edian' Herpig. BA (Hannover), MA (Hull), PhD (Hull - ongoing) | www.herpig.de
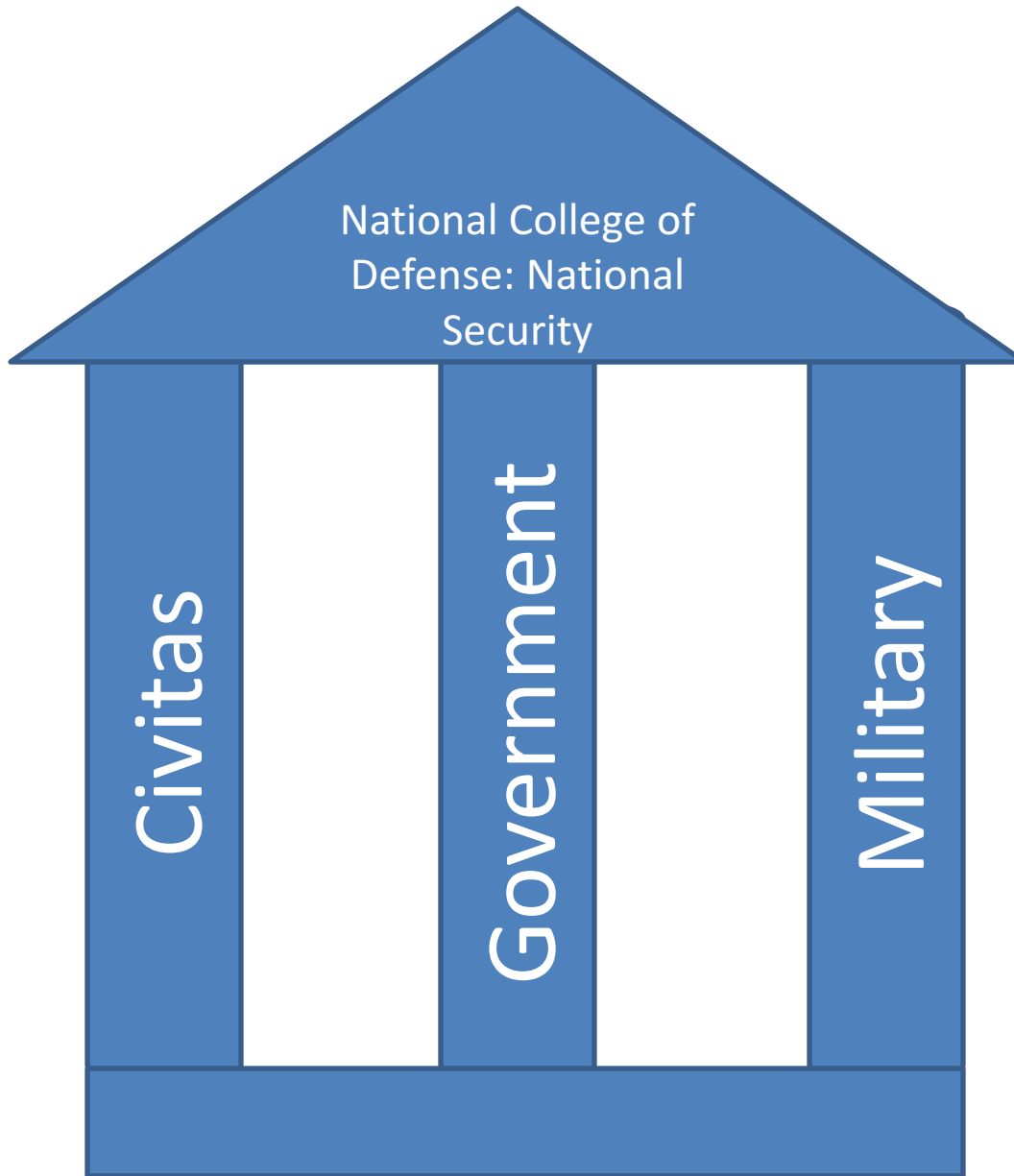
National Security

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Evolution of National Security

Mercenaries

→ Treaty of Westphalia →

Standing Armies

↓ World war

Collective Security

← Failed States/ Ecology ←

Human Security

?

National Security in the Philippines

National College of Defense: National Security

Civitas

Government

Military

Warfare

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Evolution of Warfare (Krepenivich)

Archery, Horse Riding, Formations

Naval Forces, Professionalization
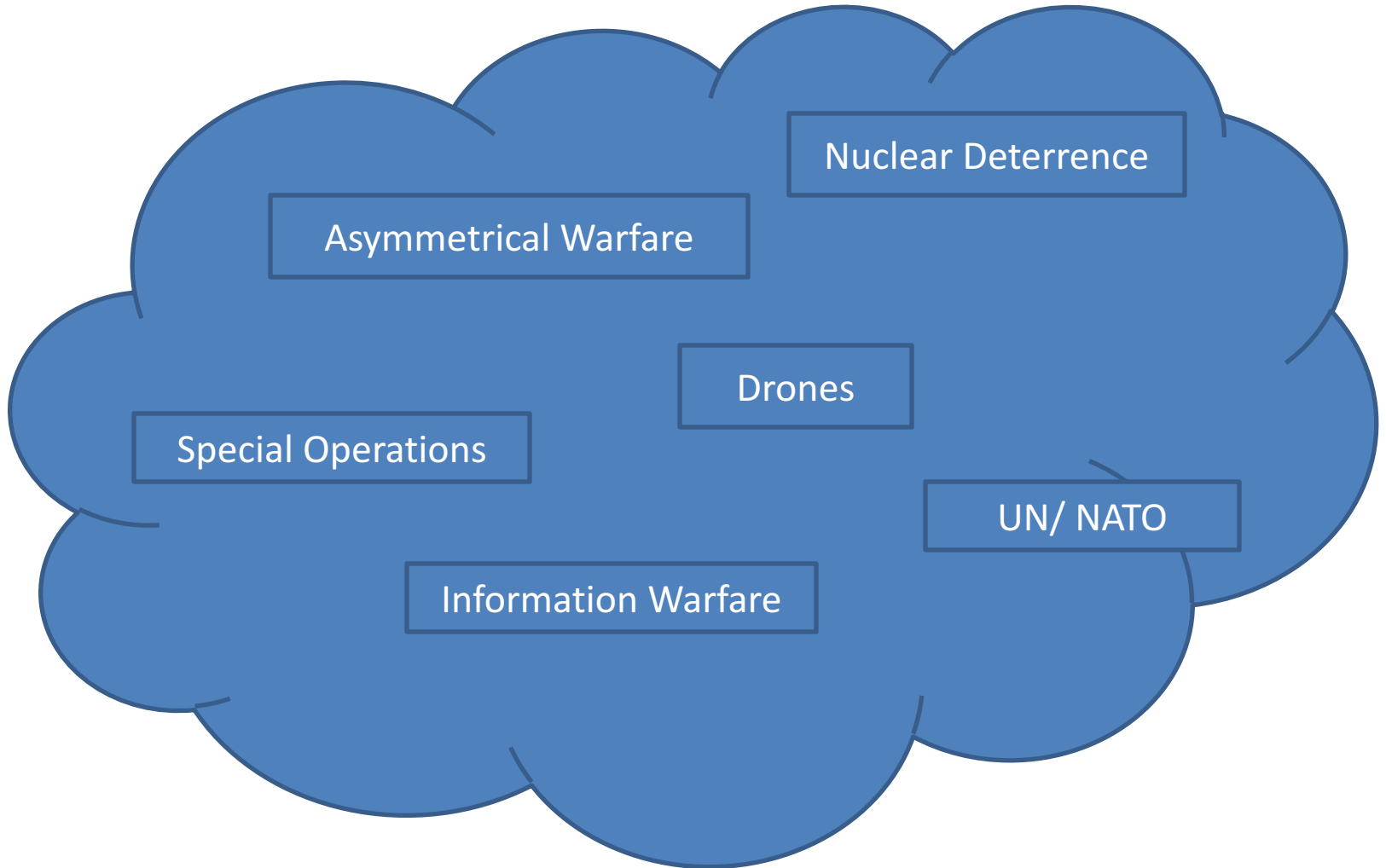
Artilleries, Tanks, Air Force

Nuclear Weapons, ICBMs, WMDs

Cyberwarfare (?)

Warfare Today

#Anti-Sec

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Evolution of #Anti-Sec

Wikileaks　　　Anonymous　　　LulzSec

#Anti-Sec Today

Several hacker groups i.a. LulzSec, individual hackers, Anonymous, Wikileaks, AnonOPs such as #OPBART or #OPFacebook, PasteBin Community
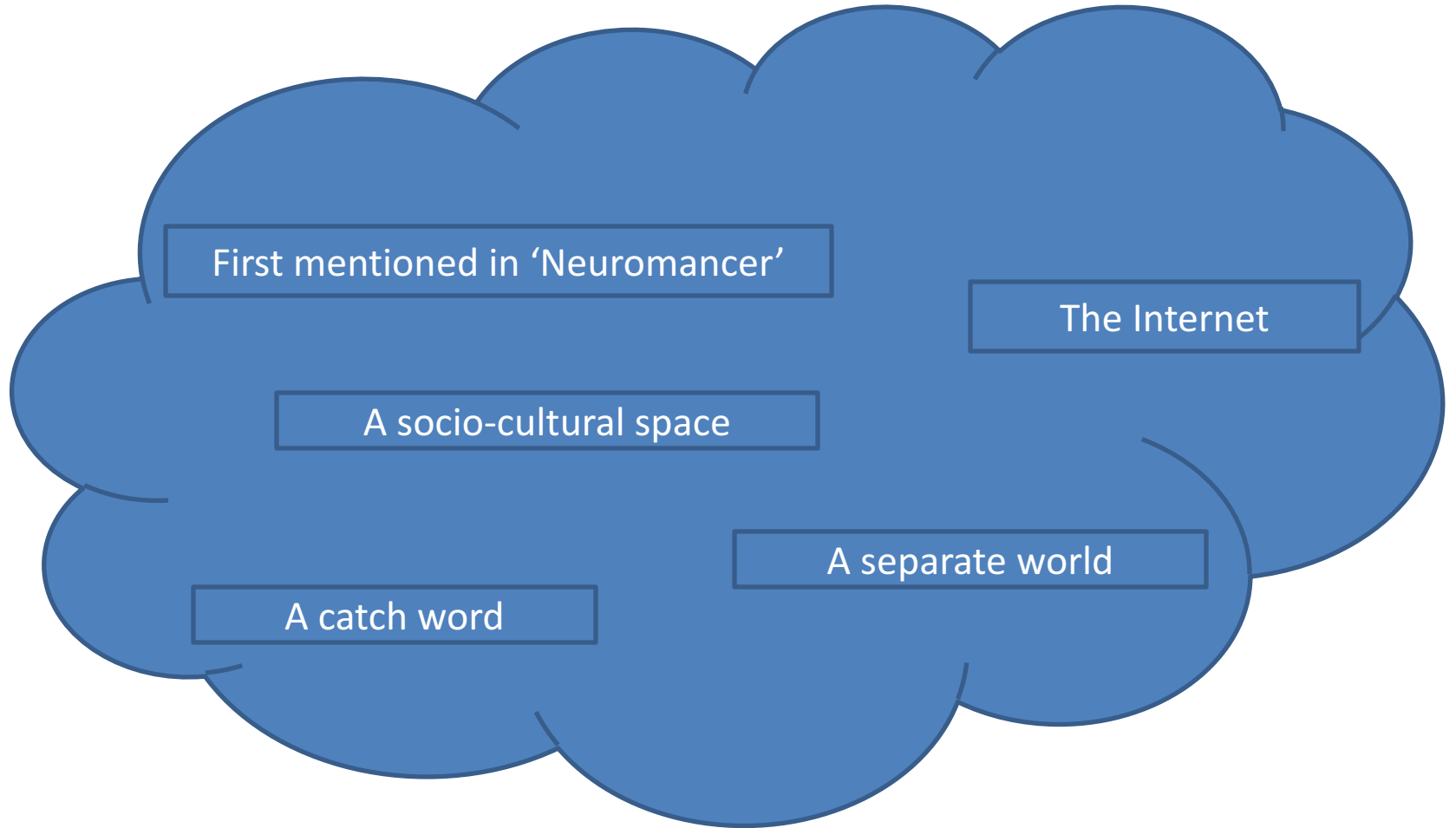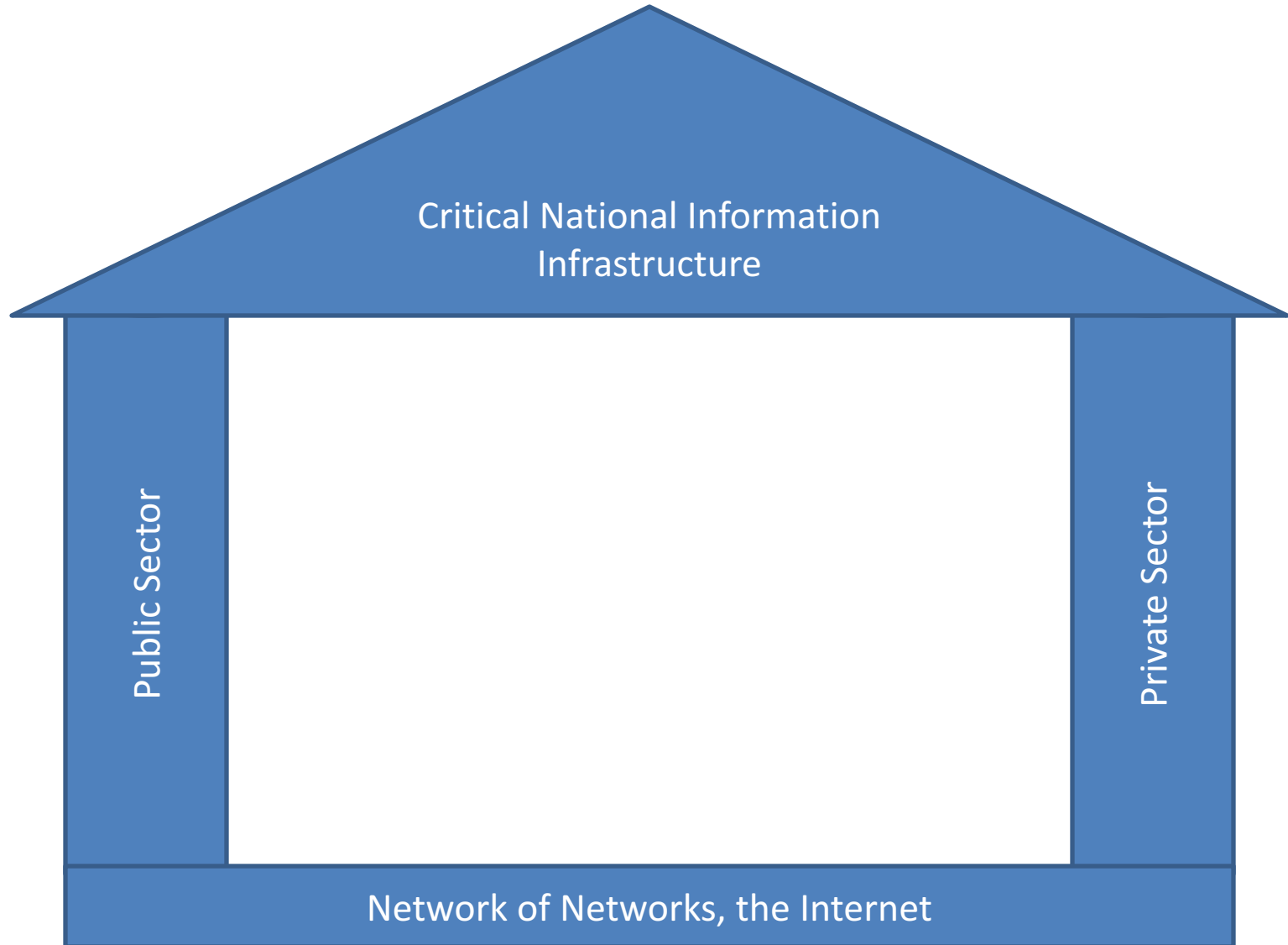
#Anti-Sec
(refref)

Cyberspace

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Cyberspace

First mentioned in 'Neuromancer'

The Internet

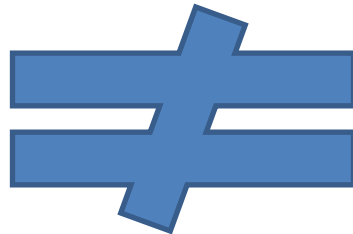A socio-cultural space

A separate world

A catch word

Cyberspace and National Security

Cyberspace and Warfare

Cyberwarfare is considered the hack by any individual, group, organization or state which is directed against critical national information infrastructure in order to alter, destroy, disrupt or deny functionality in a political framework.

≠

Media Warfare, Electronic Warfare, Hacking etc.

Cyberspace and #Anti-Sec

- Non-Ethical Hacking| Publishing – Wikileasks full-release

- Following No-Pattern| #Operations

- Involvement in Human and Civil Rights| #OPBart

- Anti-State Mentality| 'Quis custodiet ipsos custodes?', Juvenal Satire

Implications

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Implications

- Opening for non-Anti-Sec hacking (Comodo/ Diginotar)
- Breading ground for terrorists who have other objectives than Anti-Sec

➡️ Asymmetrical threat inside and outside the own borders

- Driven cyber-culture
- Highly vulnerable targets
- Difficult to take-down

➡️ Awareness, Resources, Inclusive e-Development |National Security

- ' Overrated'
- ' Underrated'

➡️ Research in the fields of IT, PolSci, IR and Law

Security is too expensive until it's too late.
Counter-Strategy is still to be developed.