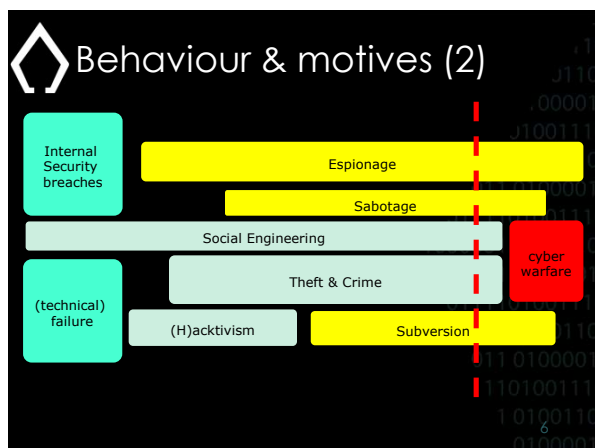
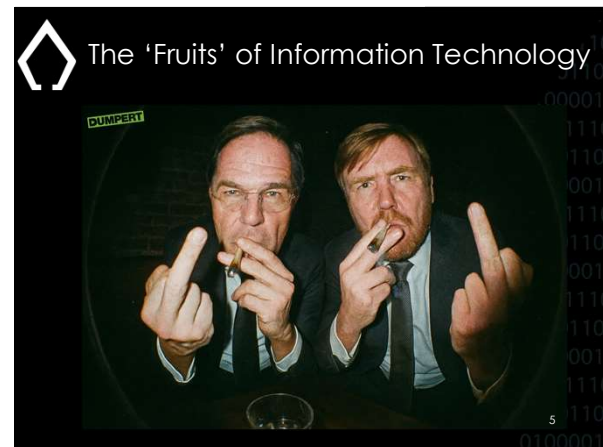
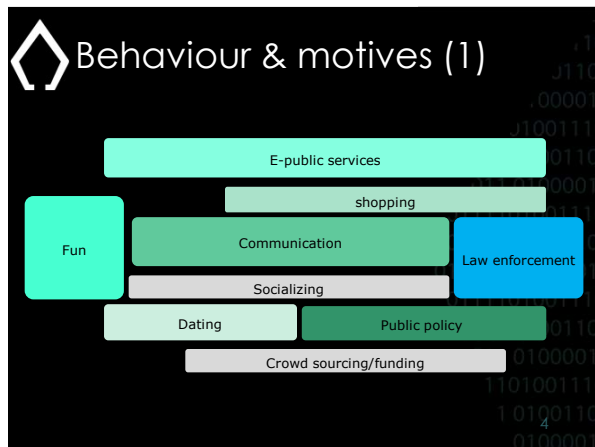
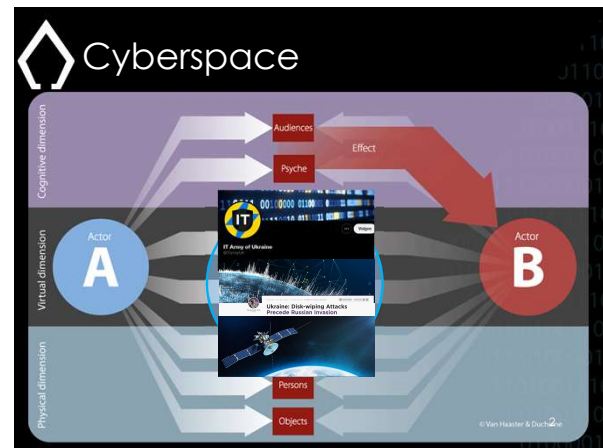





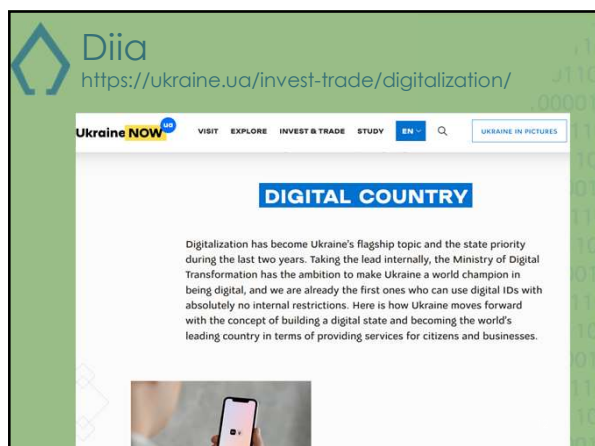
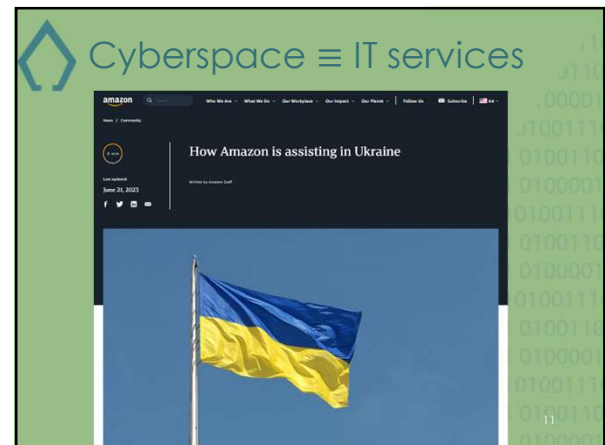
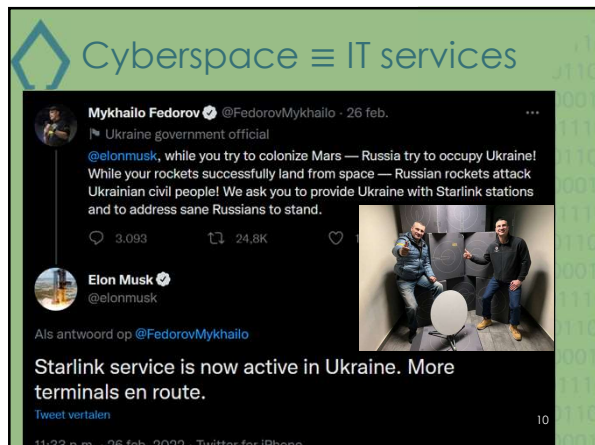
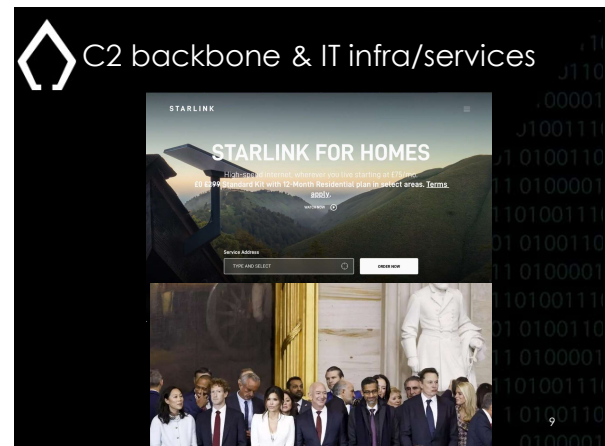
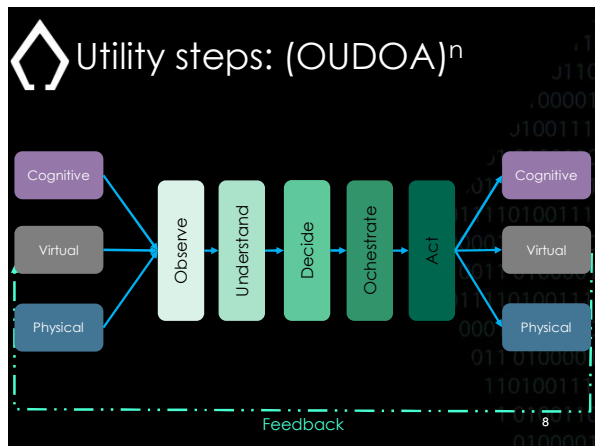
Participants in cyberspace: behaviour, faces & (some) law

Brigadier-general prof @PaulDucheine.bsky.social
Netherlands Defence Academy – University of Amsterdam

Utility

- Civil:
 - social interaction, leisure, business, crime, etc
- Military:
 - Environment for (social) interaction
(Espionage/Sabotage/Subversion/War)
 - Weapon
 - Vector
 - Target & Addressee
 - Resource for Understanding (intel/espionage)
& Decision-making
 - Backbone for C2 (IT infrastructure)



Observe > understand > decide
<https://x.com/ServiceSsu/status/1879447083226419333>

СБ України
@ServiceSsu


СБУ та Націоналіція продовжують інформаційну «Спалю»
ФСБшника» для протидії вербуванню молоді спецслужбами РФ

Повний текст новини за посиланням bit.ly/3DXkayz
Post version



9:34 a.m. · 15 Jan, 2025 · 16.2K Viewed


Reporting E-Vorog
(integrated in DIIA app: 20M users)



isEnemy
@evorog_bot

Do you see the invaders or their equipment?
Immediately write about it to the Ministry of Digital
Affairs bot. Together, we will collect evidence of the
attack and quickly repel it.

START BOT



eBopor
@evorog_bot

Бачите окупантів або їх техніку? Одразу пишати
про це в бот Мініцифри. Разом зберемо докази
нападу та швидко дамо відсік.

START BOT

Cyber Threat Intell (CTI) etc

**As Tanks Rolled Into Ukraine, So Did
Malware. Then Microsoft Entered the
War.**

After years of talks about the need for public-private partnerships
to combat cyberattacks, the war in Ukraine is stress-testing the
system.



16

Act

IT ARMY of Ukraine
113.7K subscribers

IT ARMY of Ukraine
For all IT specialists from other countries, we
translated tasks in English.

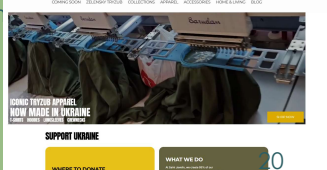
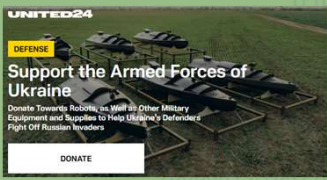
Task # 1 We encourage you to use any
vectors of cyber and DDoS attacks on these
resources.

Business corporations
Gazprom - <https://www.gazprom.ru/>
Lukoil - <https://lukoil.ru>
Magnet - <https://magnit.ru/>
Norilsk Nickel - <https://www.nornickel.com/>
Surgutneftegas - <https://www.surgutneftegas.ru/>

18

Marketing, crowdfunding, 'dronations'


- United24:
Gvmt platform,
crowdfunding,
'war marketing'
- SaintJavalin.com



20

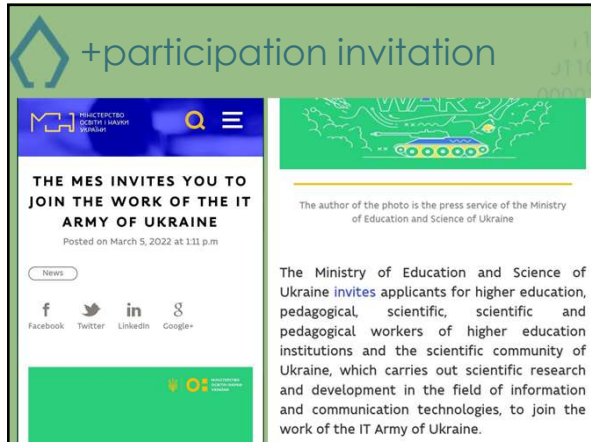
-participation: going dark

URGENT & CRITICAL: Armed Forces of Ukraine are
requesting that everyone go dark on posting any
information, videos, photos, with regards to the Battle
for Kherson. Operation Security is critical. Please
spread this message across all social media channels.



21

+participation invitation

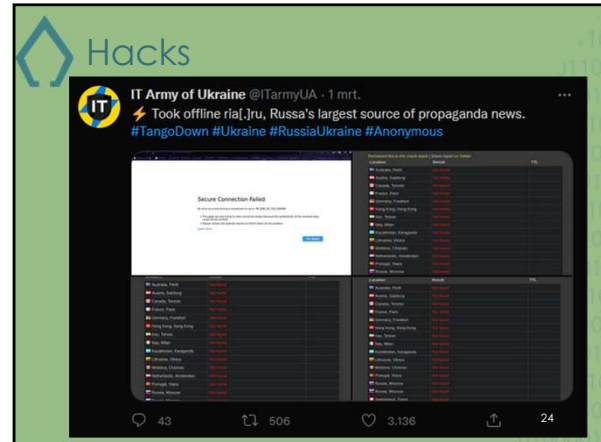


THE MES INVITES YOU TO JOIN THE WORK OF THE IT ARMY OF UKRAINE
Posted on March 5, 2022 at 1:11 p.m.

The author of the photo is the press service of the Ministry of Education and Science of Ukraine.

The Ministry of Education and Science of Ukraine invites applicants for higher education, pedagogical, scientific, scientific and pedagogical workers of higher education institutions and the scientific community of Ukraine, which carries out scientific research and development in the field of information and communication technologies, to join the work of the IT Army of Ukraine.

Hacks



IT Army of Ukraine @ITArmyUA · 1 mt.

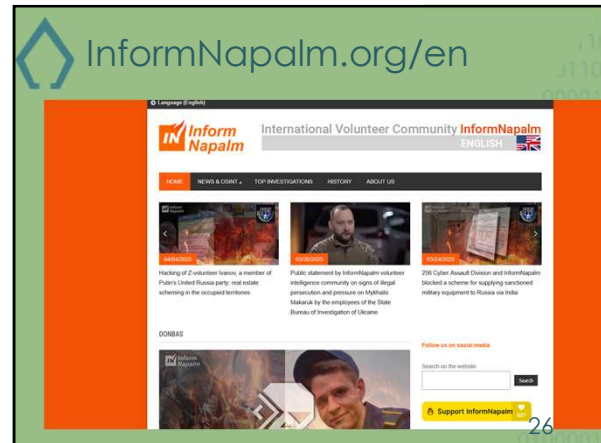
Took offline ria.ru, Russia's largest source of propaganda news.
#TangoDown #Ukraine #RussiaUkraine #Anonymous

Ecosystem

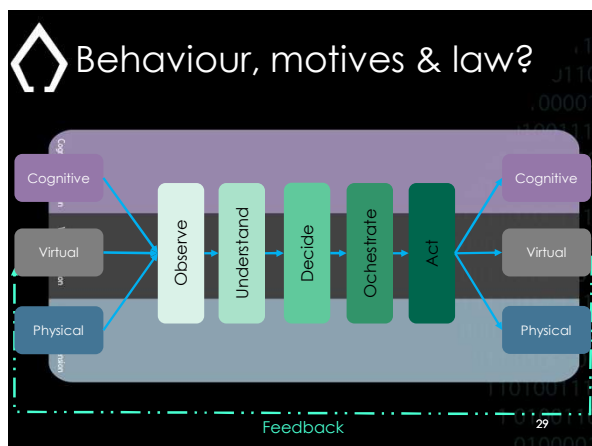
- Cyber Resistance (civilian hackers) i.a. IT-Army
- InformNapalm:
 - civilian, analytic collective, enrich hacked information
 - publish on websites & social media
 - amplification
- State-linked: cooperation with SBU & HUR:
 - First, information is shared
 - when no more operational value: published on channels of Inform Napalm
- <https://www.lawfaremedia.org/article/kyber-sprotyv-ukraine-s-spec-ops-in-cyberspace>

25

InformNapalm.org/en




26



Law

- Private International Law
- Public International Law
 - Supranational law (i.a. EU)
 - Binding sanction regimes
 - IT-law
 - IHL/LOAC
- Domestic law
 - Constitutional law
 - Criminal law

30




58 AP1: Precautions against the effects of attacks

The Parties to the conflict shall, to the maximum extent feasible:

[...] (c)

- take the other necessary precautions
- to protect the civilian population, **individual civilians** and civilian objects under their control
- against the dangers resulting from military operations.


31



50 AP1: Civilian

"A civilian is any person who does not belong to one of the categories of persons referred to in Article 4(A)1-3, 6) GC3 and in Article 43 AP1. In case of doubt whether a person is a civilian, that person shall be considered to be a civilian."


33



43(2) AP1 & 4(A)1-3, 6 GC3: Combatants

- Members of the **armed forces of a party to the conflict** (other than medical personnel and chaplains covered by art. 33 GCII) (Art. 4 A 1 and art. 43(2) API)
- Members of **militias or volunteer** corps forming **part** of such armed forces (Art. 4 A 1))
- Members of **other militias and volunteer** corps, including those of organized resistance movements, belonging to a Party to the conflict and operating **in or outside their own territory**, even if this territory is occupied (Art. 4 A 2))
- Members of regular armed forces who profess allegiance to a government or an authority not recognized by the Detaining Power
- **Levee en masse**: Inhabitants of a non-occupied territory, who on the approach of the enemy spontaneously take up arms to resist the invading forces, without having had time to form themselves into regular armed units, provided they carry arms openly and respect the laws and customs of war.


34



DPH (ICRC IG)

- Threshold of harm
- Direct causal link between act and harm intended or inflicted
- Belligerent nexus

37



DPH in Cyberspace

Unambiguous:

- Conducting cyber attacks
- Actions to enable specific attacks i.a.
 - identifying vulnerabilities
 - Malware designing (based on vulnerabilities)
- Cyblnt gathering/cyber espionage
- DDoS operations


No DPH:

- Designing malware for Open Source (even when used for a cyber attack in an armed conflict)
- General IT maintenance

Ambiguous:

- Developing and providing malware to conduct an attack without knowing what the DESIG target

38



Civilians who DPH

- Remain status of civilian
- By conduct => no protection "if and for such time" as DPH
- IAW IHL: no int'l law violation
- However: Domestic criminal law
 - 'hacking', espionage, sabotage, etc
- However: Enemy legislation & action

39

