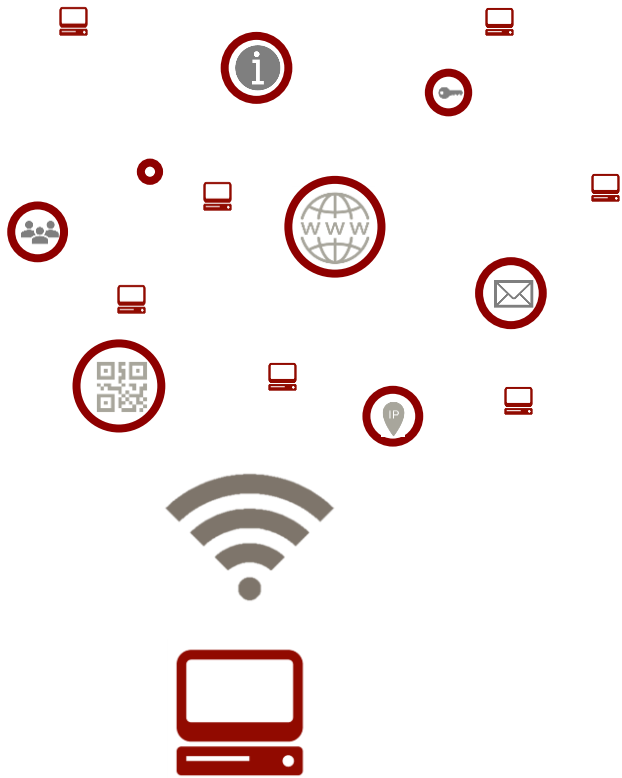

Defense and Security perspective

The need to have a safe internet vs the need to have an open internet



Carolina Matamoros Ferro

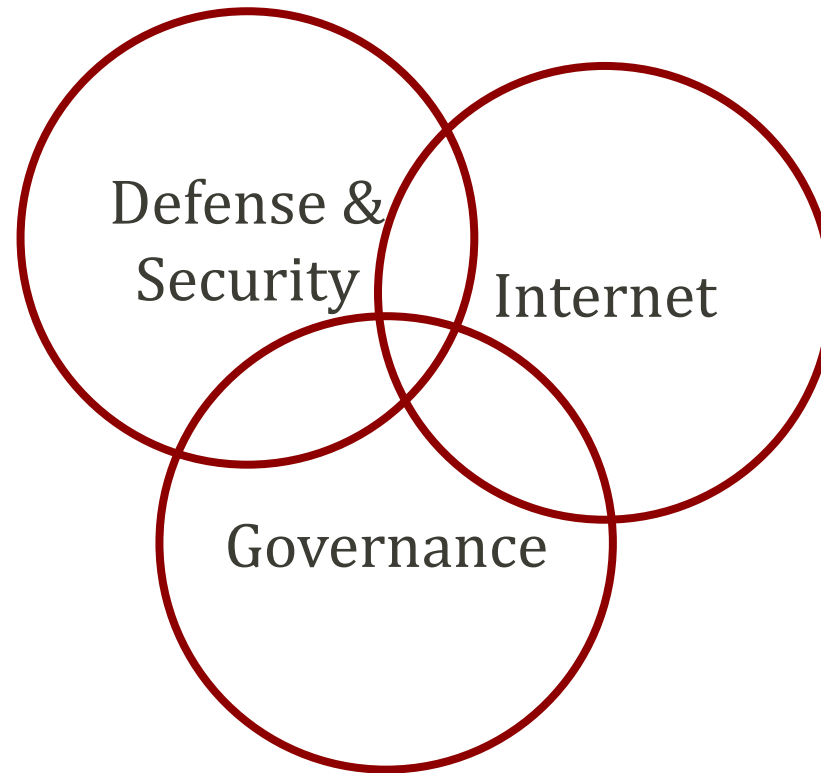
MPP Candidate – Hertie School of Governance

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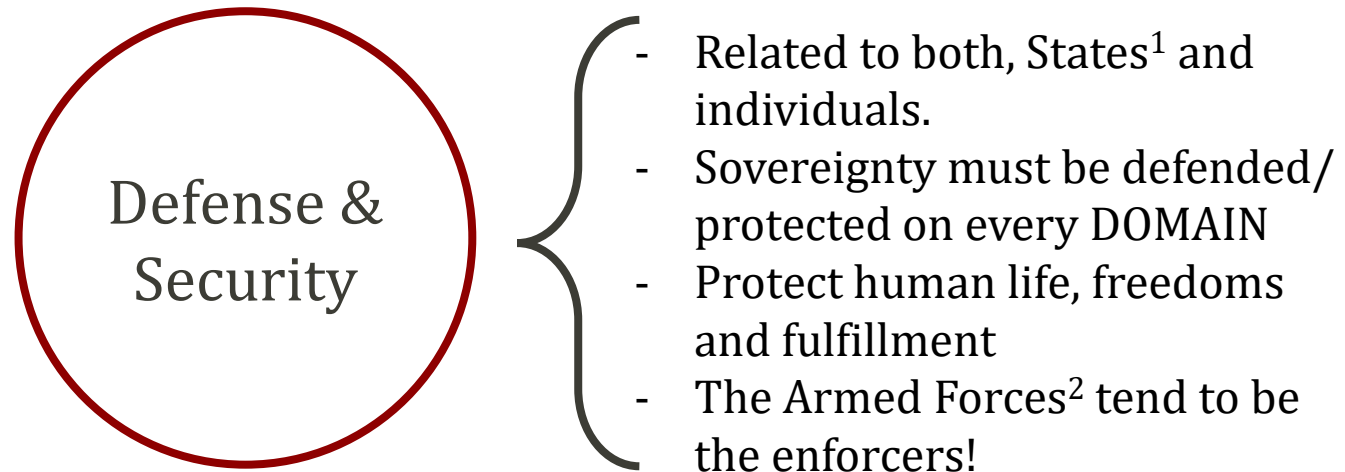
ICANN58 – Copenhagen, Denmark

March 13th 2017

The troublesome triple intersection



The troublesome triple intersection

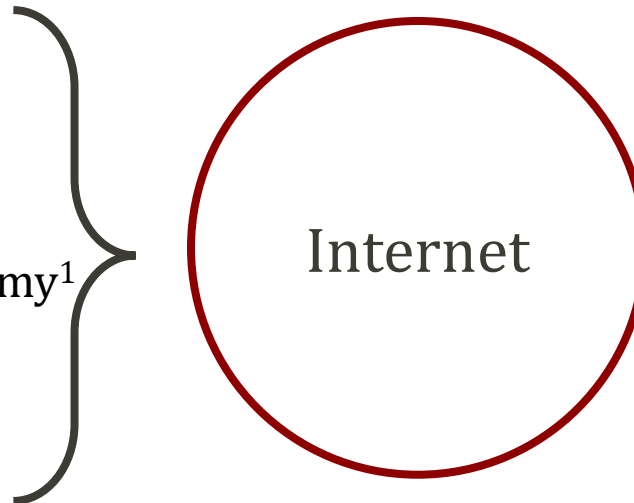


1 Territory / Jurisdiction / Population

2 Considers both Military and Police Enforcement

The troublesome triple intersection

- Open and Global.
- Is a platform that promotes connectivity and information exchange
- Innovation, creativity and an economy¹ have been influenced by it
- Allows anonymity and “immediate” communication



¹ Industries, growth, exchange, etc.

The troublesome triple intersection

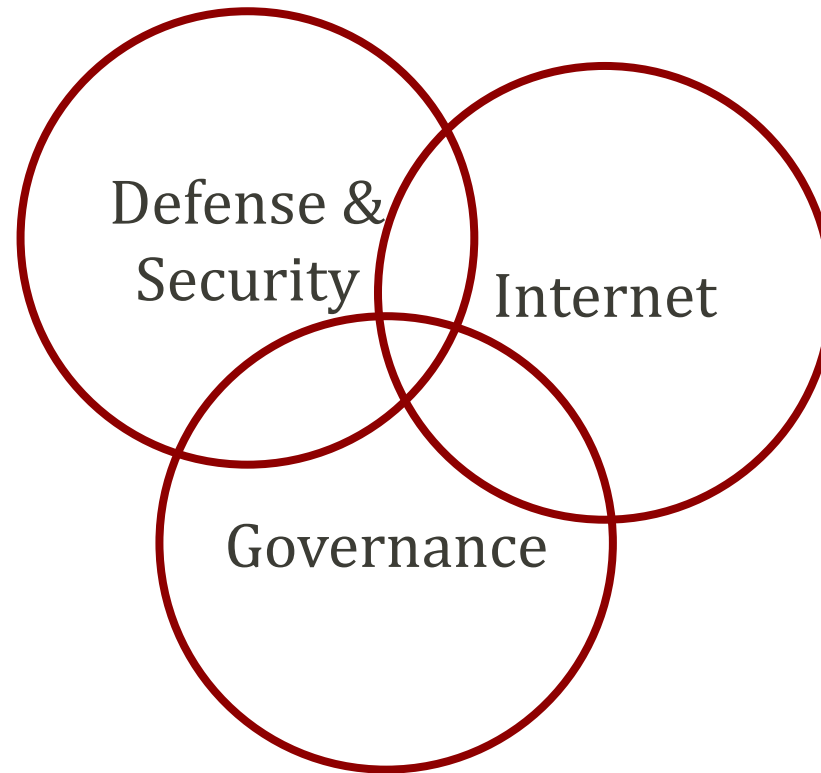
- ~ability to properly govern themselves*
- Employs policy making and regulations
- Can be local, national or global
- Requires someone* to “govern” and enforcers (Regulatees and Regulators)



Governance

*Refers to companies, states, communities or individuals

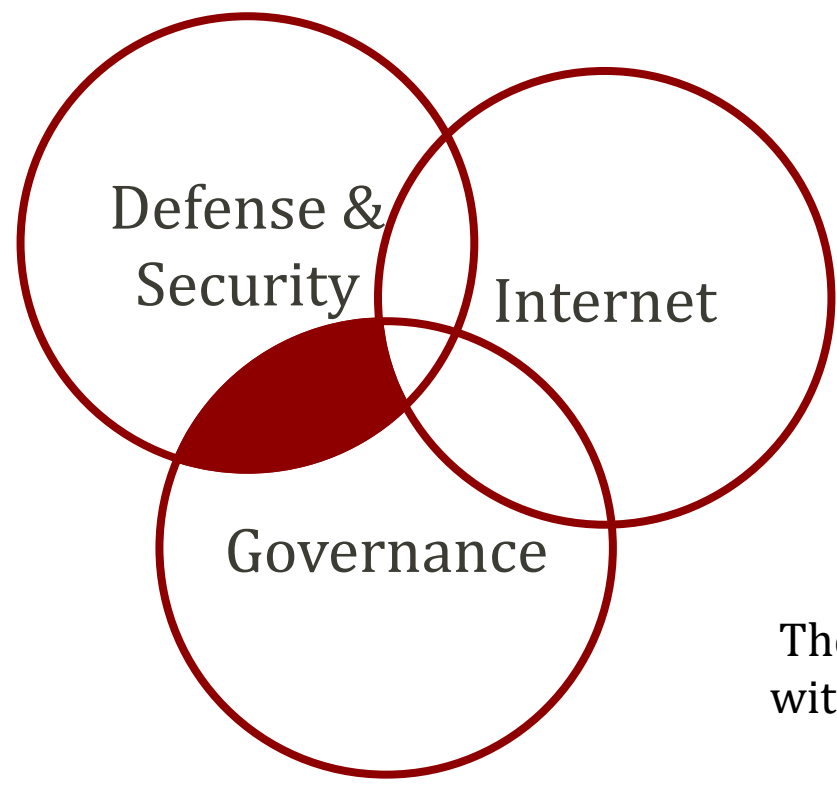
The troublesome triple intersection



The troublesome triple intersection

Requires a clear definition¹ of “who” they are governing

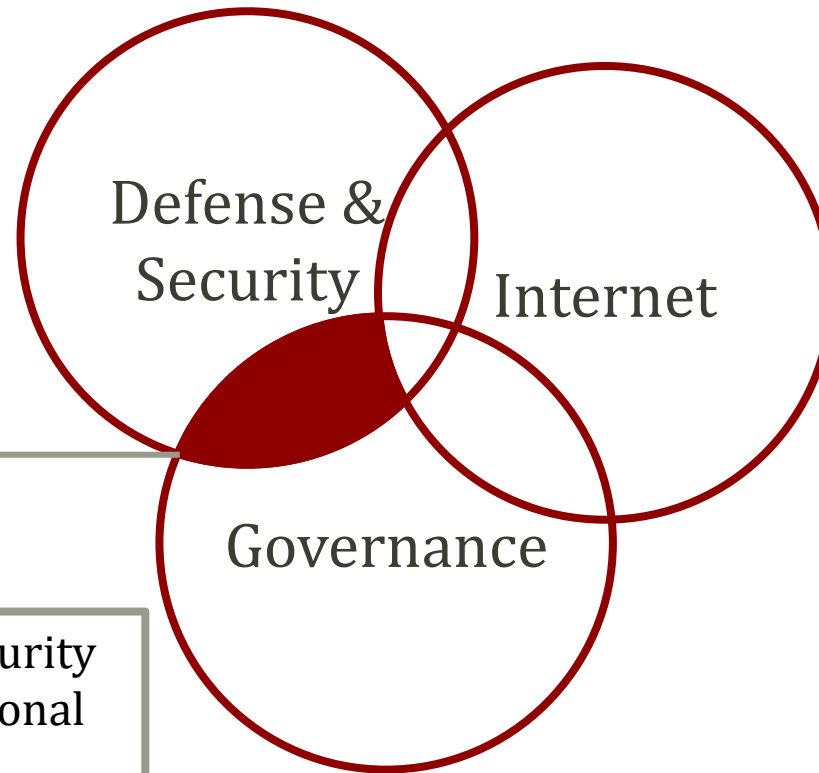
There are no Global Defense and Security Forces – We have cooperation².



There is no Governance without the Defense and Security Agents

1 Depends on law
 2 Including the Security Council of the UN

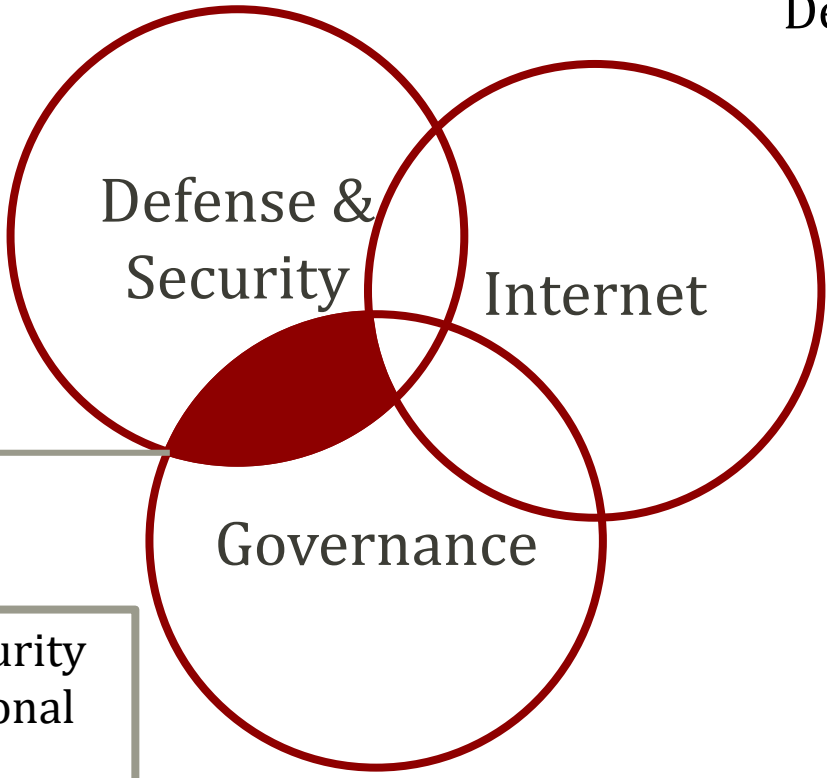
The troublesome triple intersection



Global Defense and Security depends on State/National Coordination

The troublesome triple intersection

How credible is the enforcement of Defense and security on a global level?

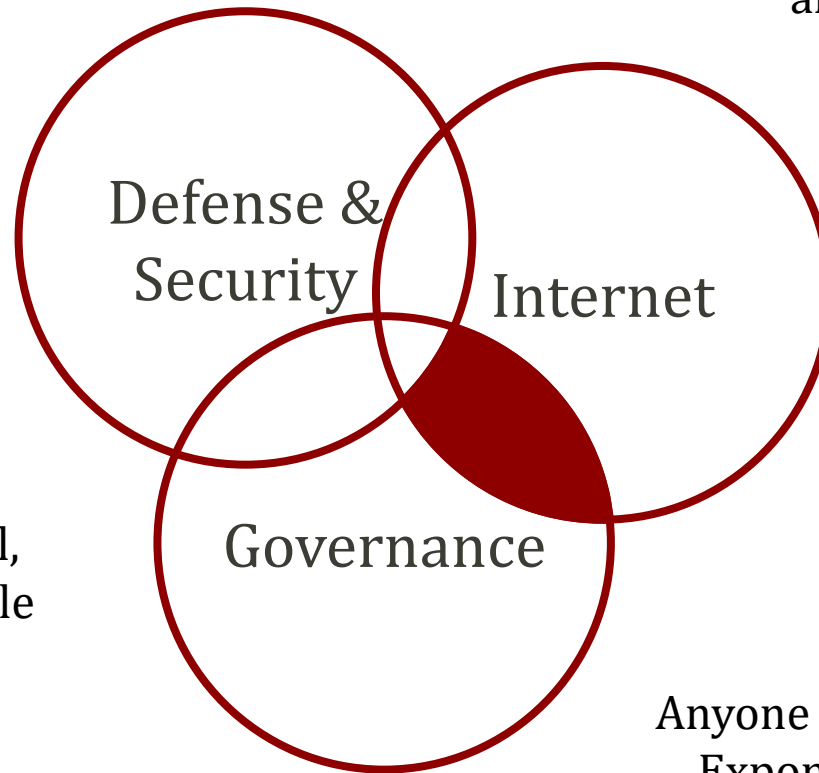


Global Defense and Security depends on State/National Coordination

The troublesome triple intersection

National laws¹ are not compatible to prosecute individuals

The anonymity of the Internet users makes affects the definition of who is “governing”

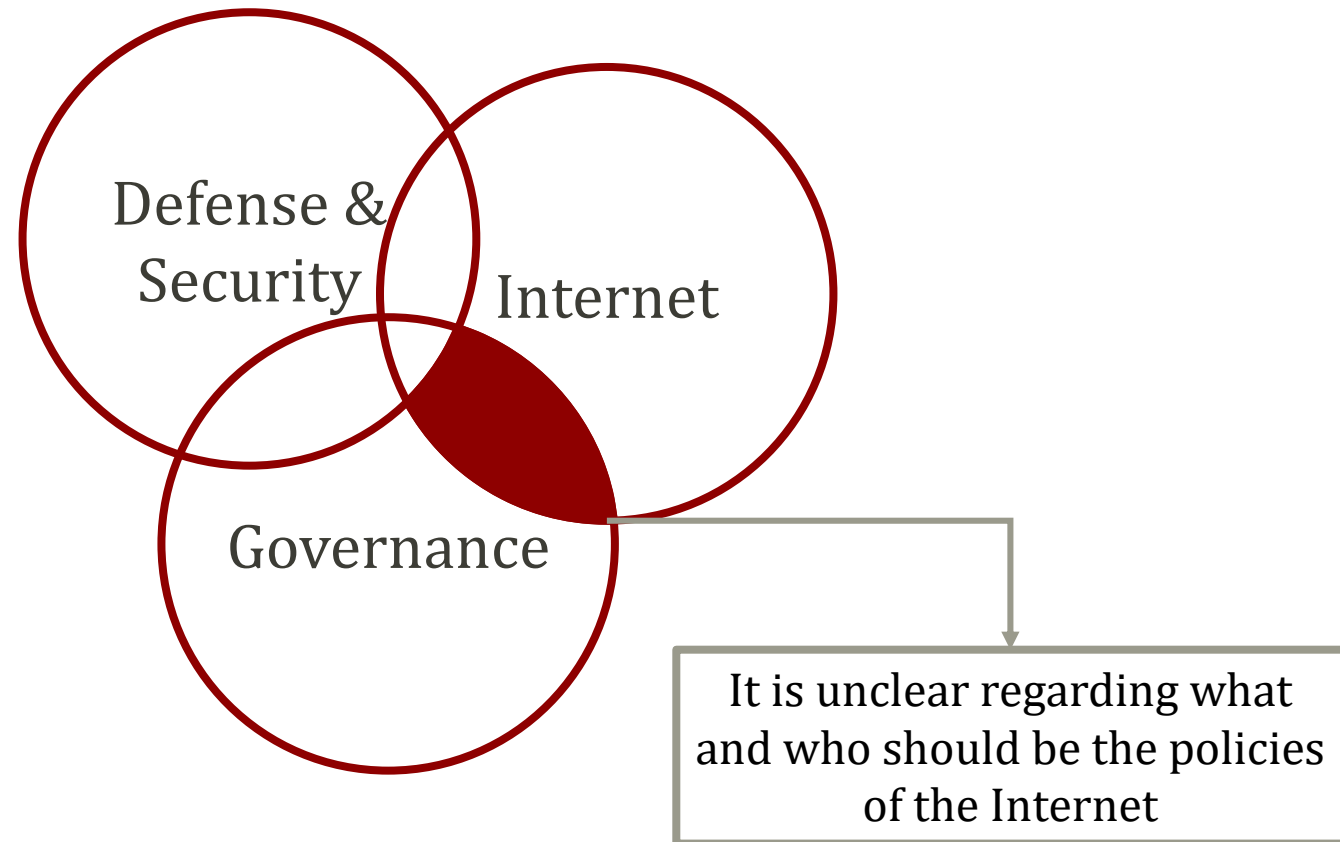


Is clear that Internet should remain neutral, open and interoperable

Anyone can say anything
– Exponential growth of “fake facts”

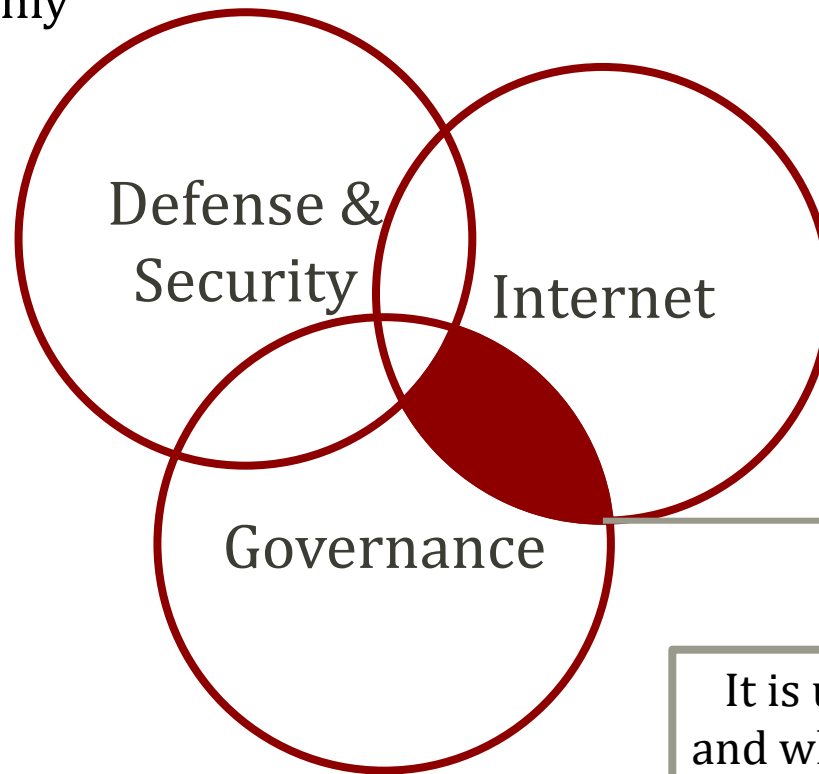
¹ Key disagreements regarding privacy and user agreement.

The troublesome triple intersection



The troublesome triple intersection

Under this condition,
can the policies be only
recommendations?

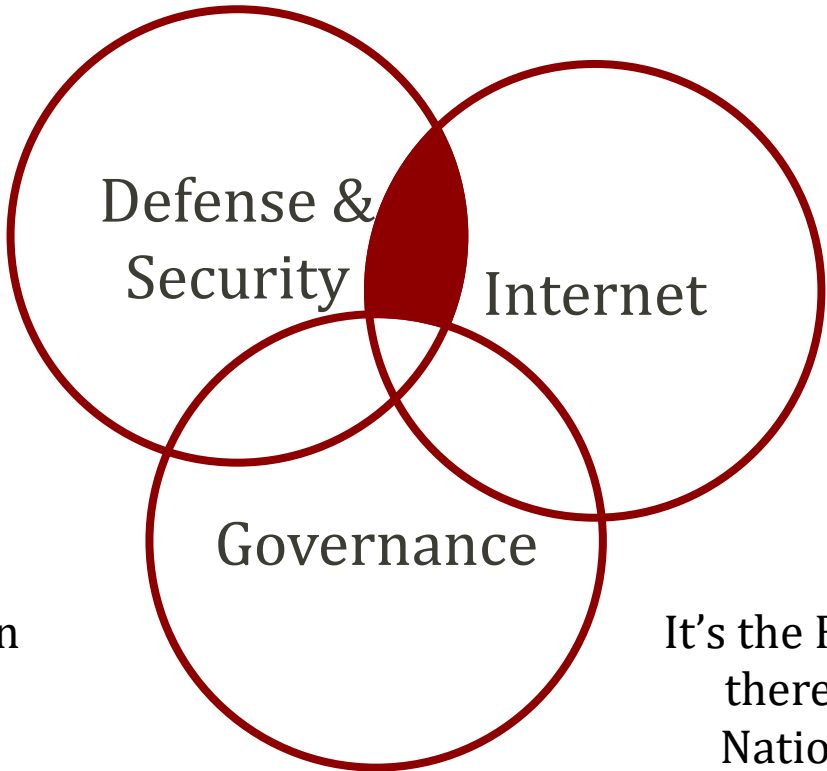


It is unclear regarding what
and who should be the policies
of the Internet

The troublesome triple intersection

Uncertainty about the “perpetrator” of a cyberattack

Everything and everybody is under threat

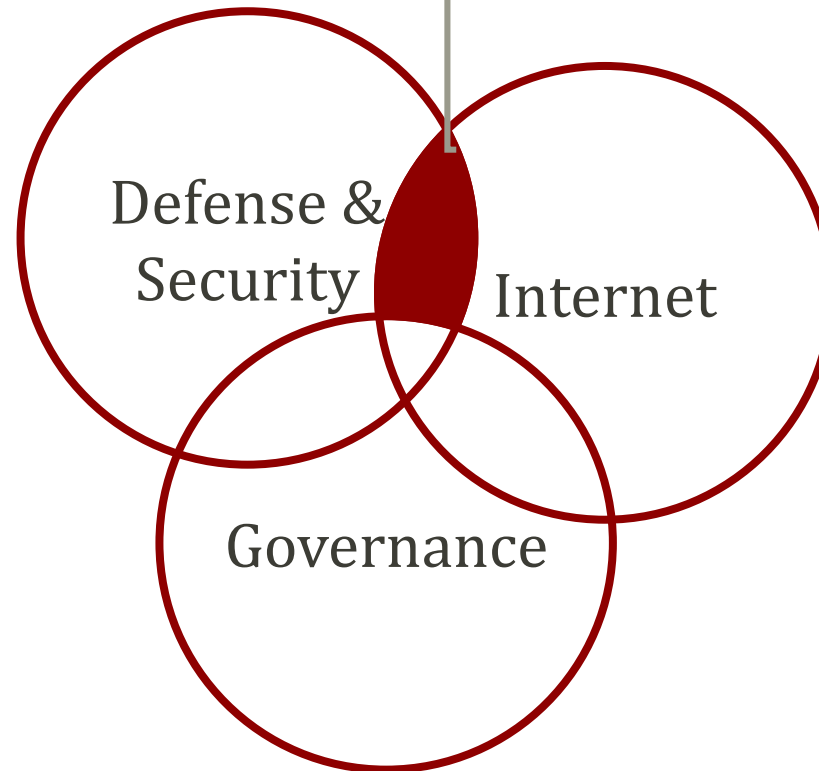


Grey difference between Cyber warfare and Cyber security

It’s the Fifth Domain but there are not clear National/State like divisions

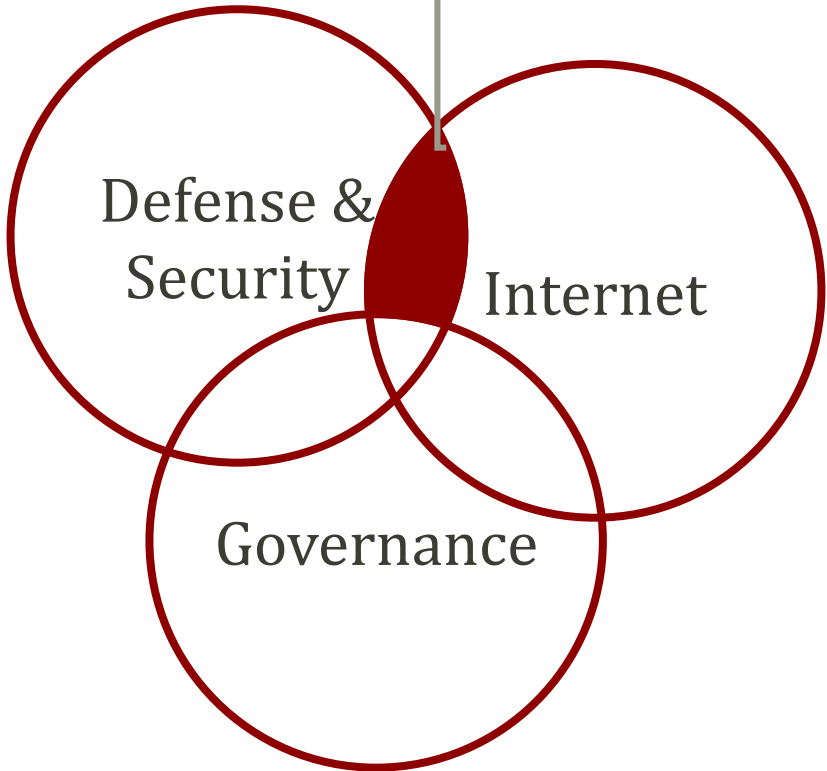
The troublesome triple intersection

Top priority and concern
for the States/Nations



The troublesome triple intersection

Top priority and concern for the States/Nations

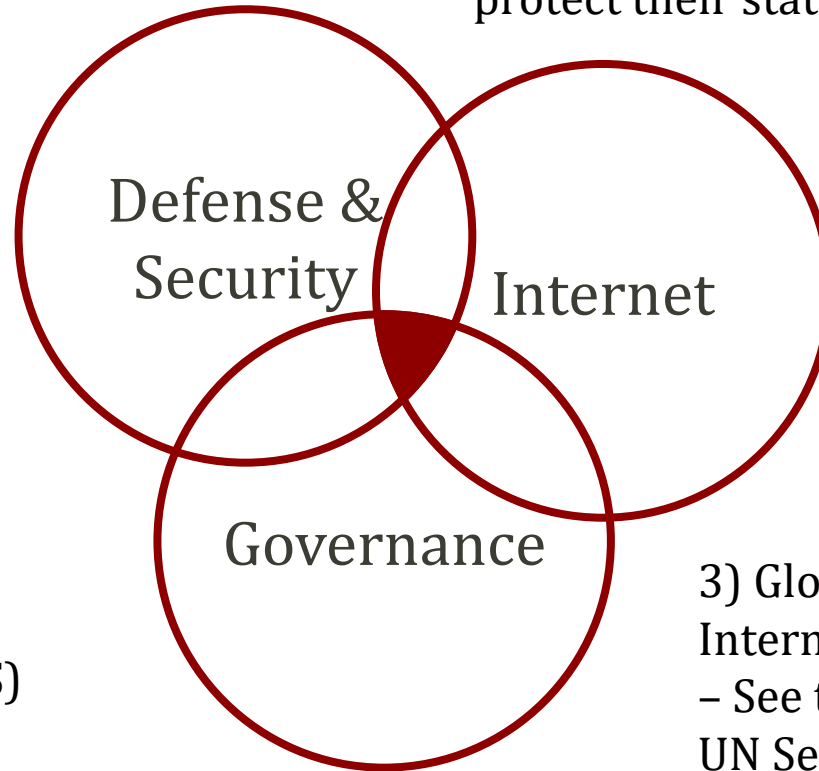


What does this imply for the internet openness and interconnectivity?

The troublesome triple intersection

Wrapping up

1) Countries may be interested in fragmenting the internet to protect their state*



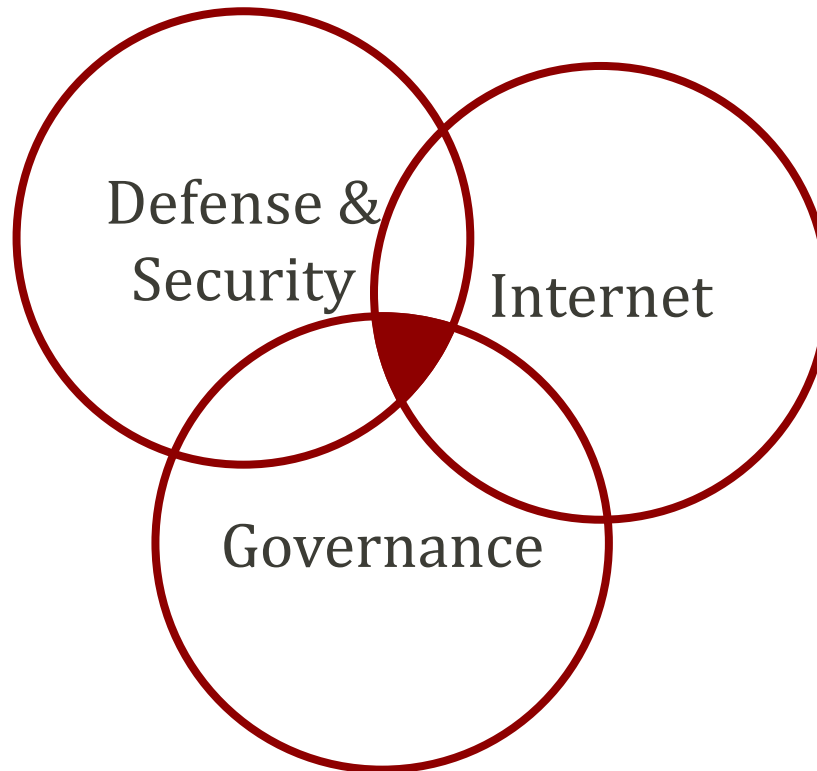
2) Currently - There is no credible global enforcement. Exceeds jurisdiction and is too expensive (NATO & US)

3) Global Governance of Internet is mostly “advice” – See the resolutions of the UN Security Council –

The troublesome triple intersection

Wrapping up

While being unable to define jurisdiction and population, there is no real security and defense in the cyberspace domain.



If we wish to protect the openness and interoperability of the Internet we require to create enforceable global regulations!

The challenges to protect the internet and have Security and Defense in the 5th Domain

How?

ICANN -
NGO's -
Think
Tanks

The Internet should be able to recognize fiction form reality.

Countries
and ICANN

End the anonymity of the internet users

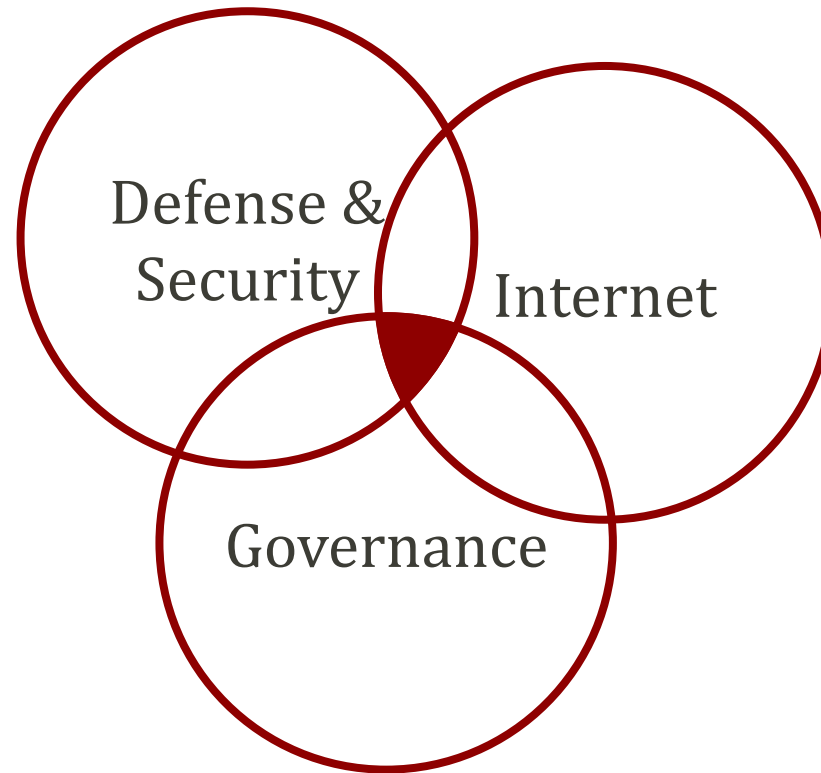
Global public policies surrounding the internet should be pushed to be approved as laws on the national level.

UN Security Council - Enforceable resolution



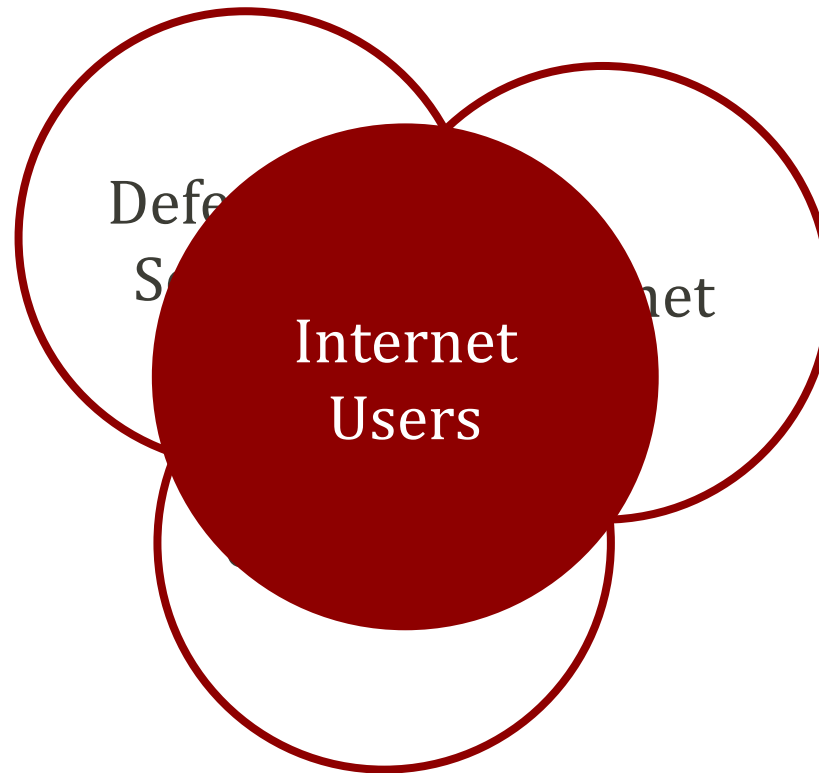
The missing actor

So far the issue has only been shown as a concern for the providers of the service



The missing actor – the internet users

So far the issue has only been shown as a concern for the providers of the service



The challenges to protect the internet and have Security and Defense in the 5th Domain – User perspective

How?

Internet

Can learn and teach how to differentiate facts and fiction.

Governance

Can self-regulate .
Community pressure

Can learn ways to use internet in a more safe way and even learn how to detect and report cyberattacks.

Defense & Security



Thank you for your attention!

