



National Cyber Security Centre
Ministry of Security and Justice



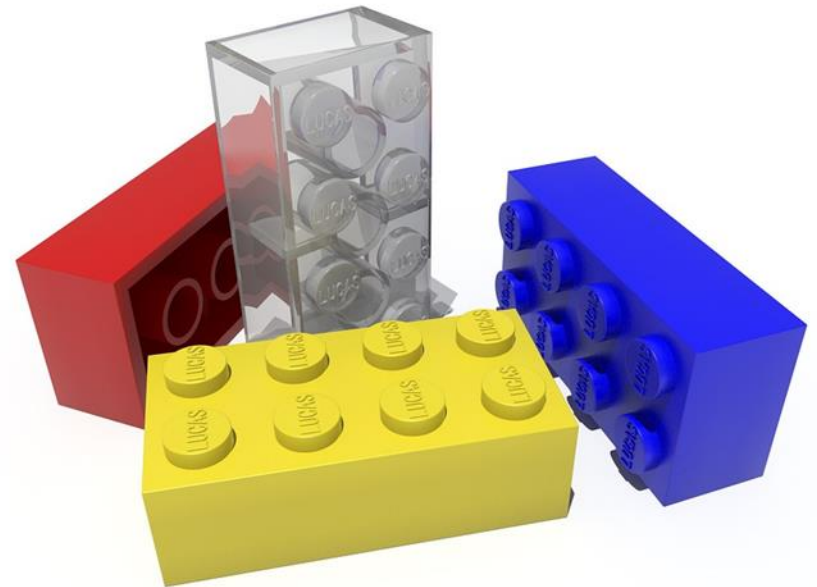
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NCSA



Agenda *(a multi discipline approach?)*

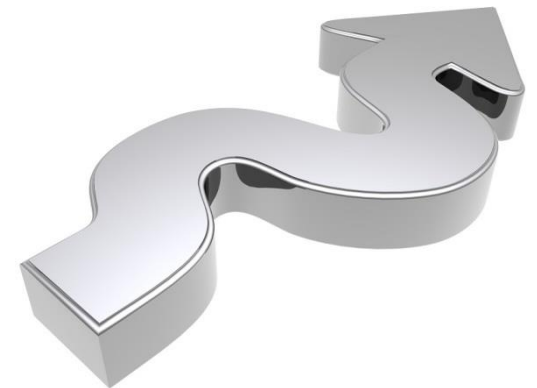
- Guiding principles
- Cybersecurity Building blocks
- Conceptualisation of Cyberspace





Guiding Principles

- Multi stakeholder approach
- Connecting and strengthening initiatives
- Public – Private Partnerships
- Individual responsibility
- Self-regulation where possible
- Proportionate measures and regulation
- International cooperation





Some building blocks

- Watch and warning service

National level cooperation

- ISACs
- Liaisons
- National Response Network
- National Detection Network

(Inter-)national cooperation

- Responsible Disclosure
- CSIRT Maturity
- International cooperation (IWWN, EGC, Bilateral)

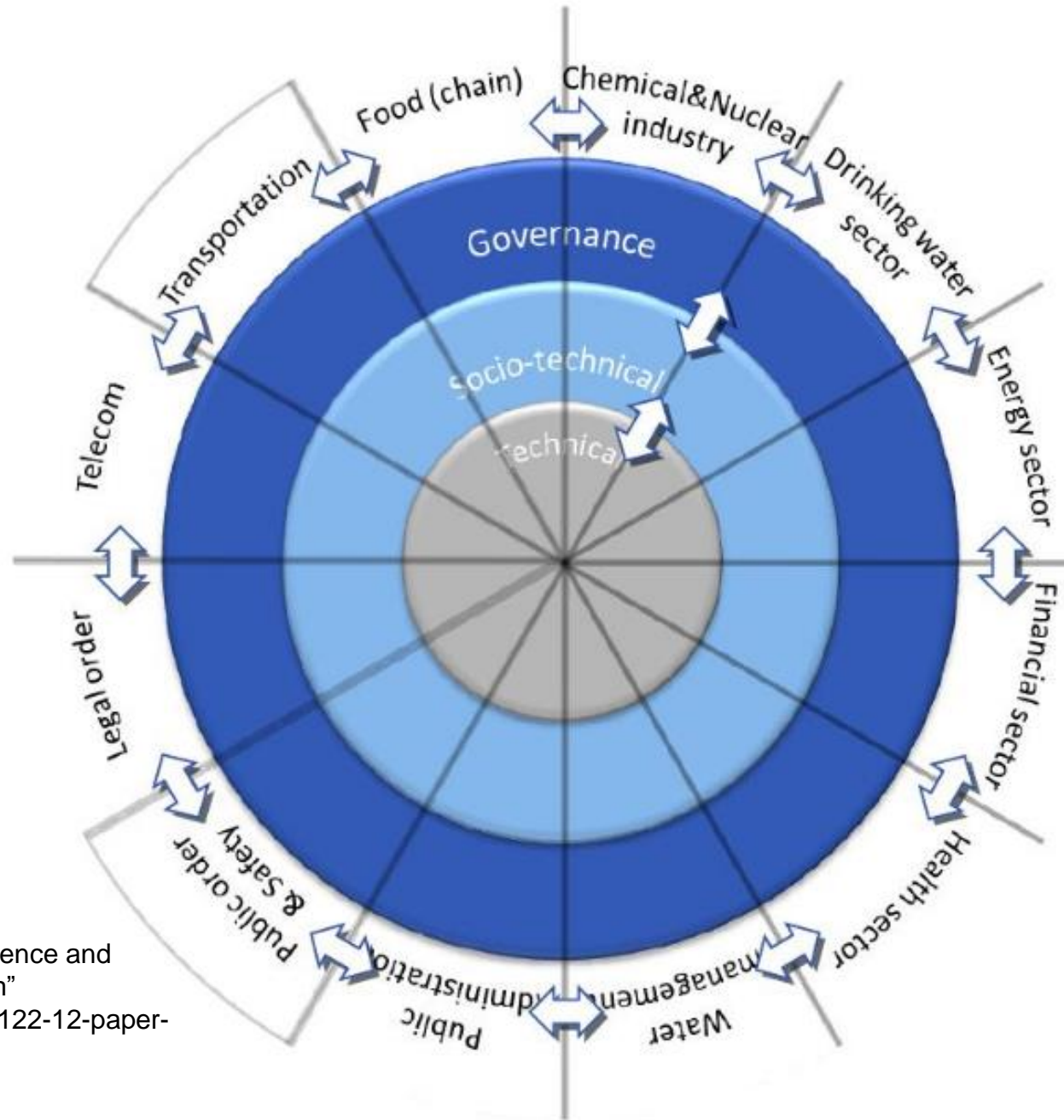




Cyber Security vs Information Security

“a Conceptualisation of Cyberspace”

[1]



[1] 2014, Jan van den Berg et al.
“On (the Emergence of) Cyber Security Science and
its Challenges for Cyber Security Education”
<https://www.csacademy.nl/images/MP-IST-122-12-paper-published.pdf>



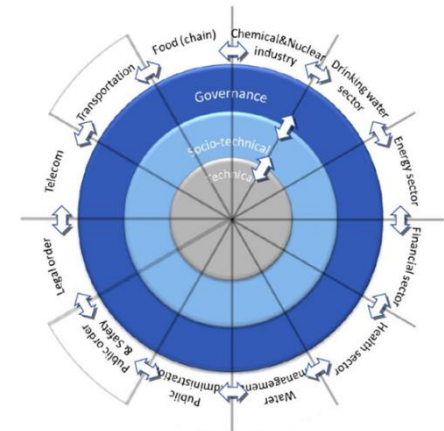
socio technical “Cyber activities” some examples

The good

- Communication
- Online banking
- e-Shopping
- Medical services
- Scheduling appointments online
- Controlling CI
- etc

The bad

- Cybercrime
- Cyber espionage
- DDoS
- etc





Securing “Cyber activities”

“Real world” activities enabled by ICT

Securing “cyber activities” requires knowledge of;

Technology, social science, legal systems, regulation, governance, risk management etc etc.

“Multi (academic) discipline approach!”



YEAR 1
SEMESTER 1 **SEMESTER 2**

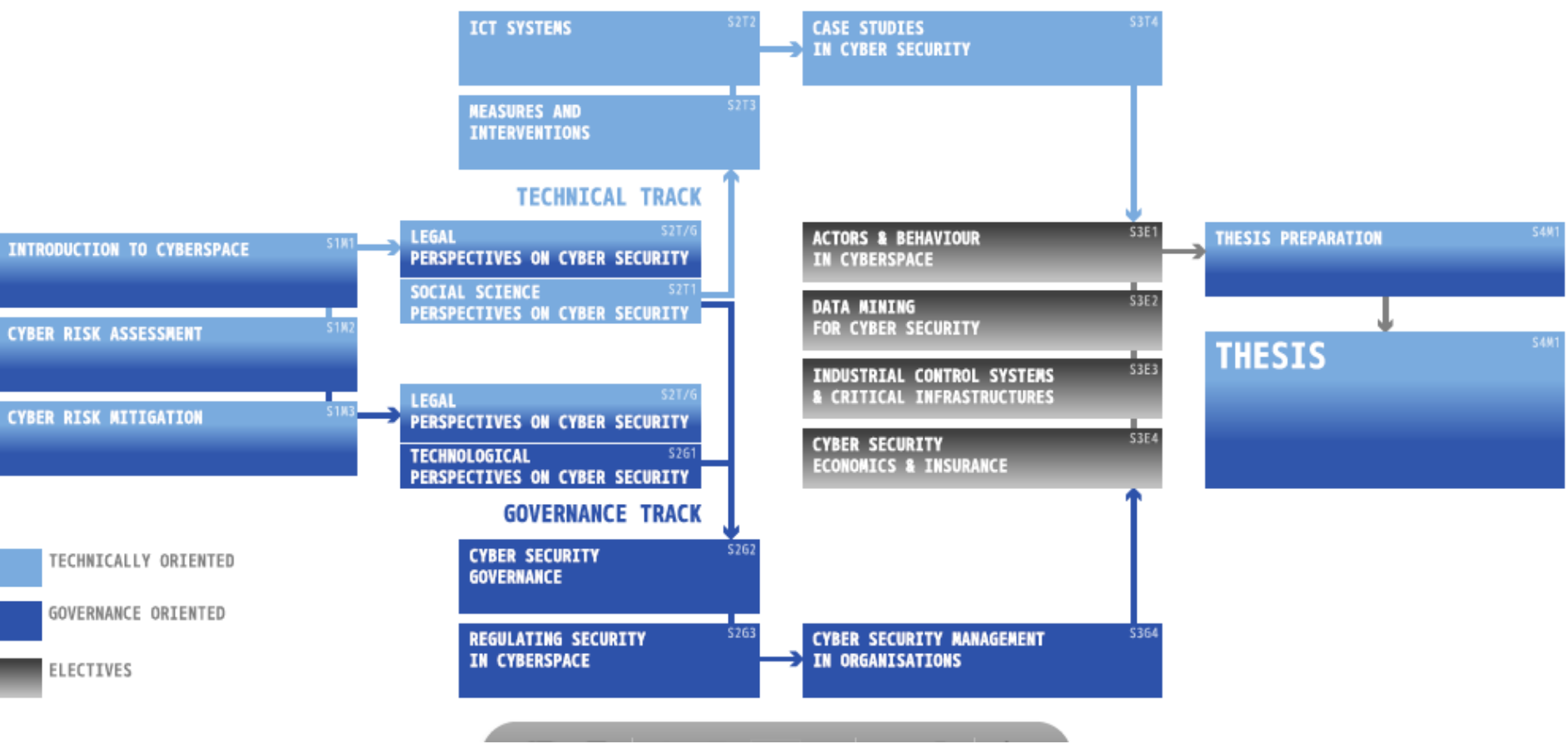
CONCEPTUALISATION
 3 COURSES

SPECIALISATION
 3 COURSES

YEAR 2
SEMESTER 3 **SEMESTER 4**

ELABORATION
 3 COURSES

RESEARCH
 ACADEMIC SKILLS SUPPORT,
 THESIS PREPARATION AND WRITING





Nationaal Cyber Security Centrum
Ministerie van Veiligheid en Justitie

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