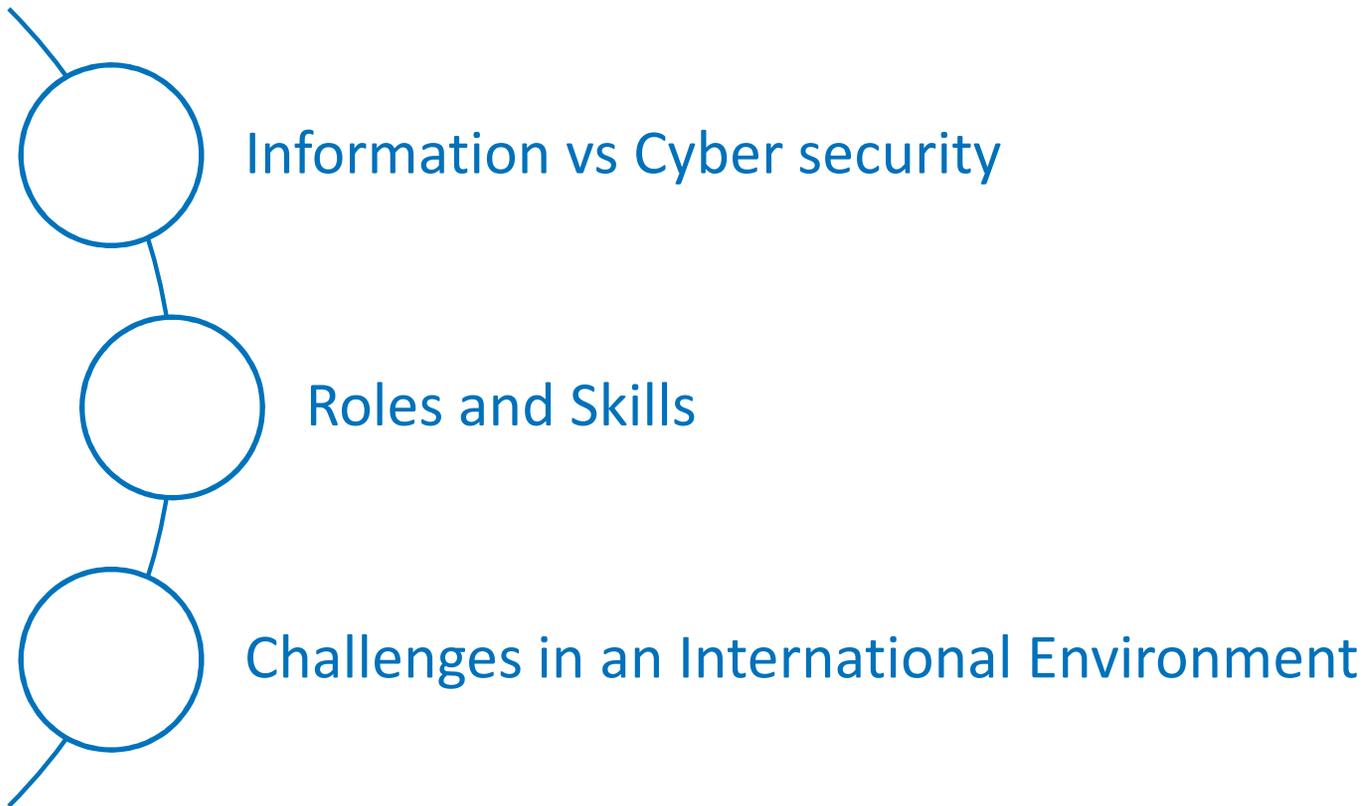# Information Security Challenges in an International Organisation - Roles and Skills required

NICOLETTE SEYFFERT| DISO | IAEA

AGENDA

Information vs Cyber security

Roles and Skills

Challenges in an International Environment

Information vs Cyber security

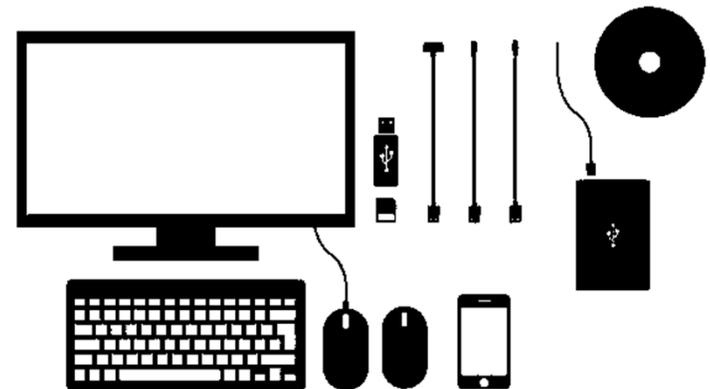# Is there a difference?

Information

- ✓ Tangible
- ✓ Electronic

Cyber

- ✓ Electronic

What's the difference?

Information

- ✓ Value of the information
- ✓ Which form
- ✓ What sensitivity/classification
- ✓ Who should have access
- ✓ Awareness
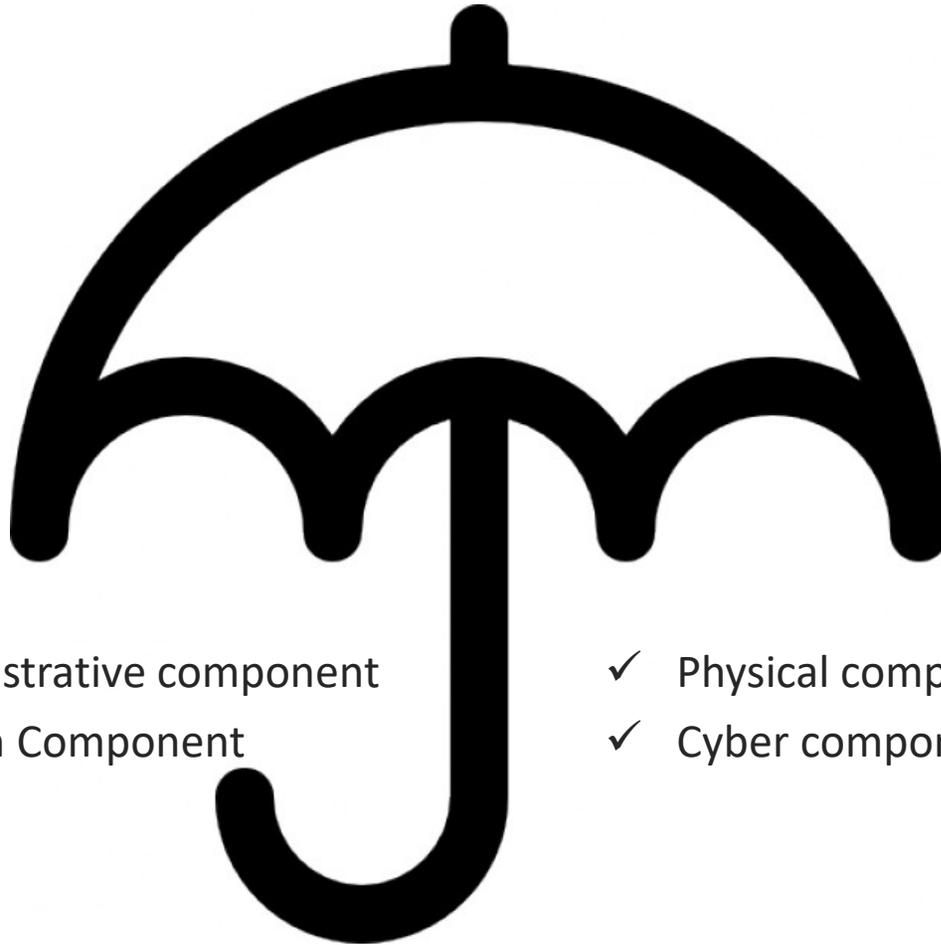- ✓ **C**onfidentiality **I**ntegrity **A**vailability

Cyber

- ✓ What is critical
- ✓ Where does it reside
- ✓ What form : files/logs/documents/structured
- ✓ Which technology is needed to be implemented in order to protect it

physical protection

Information Security

✓ Administrative component

✓ Human Component

✓ Physical component

✓ Cyber component

Skill set - Roles

Qualifications / Skills

✓ **Cyber**

    ✓ IT related degree e.g. Computer Science, Systems Engineering, Network Engineering etc.

✓ **Certifications**

    ✓ CISSP, CCSP – ISC^2

    ✓ CISM, CISA - ISACA

    ✓ CEH – EC-Council

    ✓ GIAC-GSEC in conjunction with SANS

✓ **Other**

    ✓ Communications

    ✓ Project management

    ✓ Policy writing

    ✓ Coordination

Roles

Management & Coordination

- ✓ Information Security Management
- ✓ Strategy, policy, governance
- ✓ Operational coordination
- ✓ Investigations and Compliance
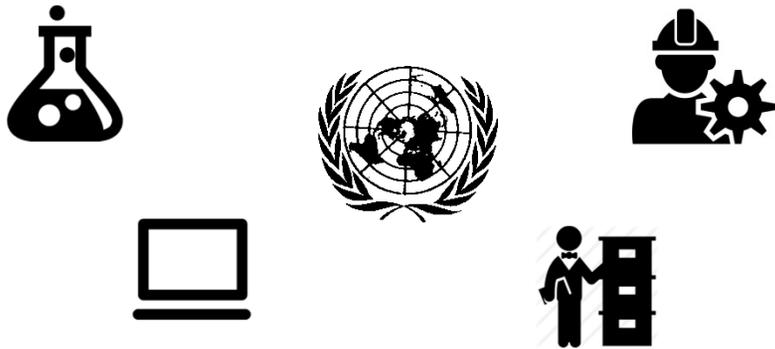- ✓ Awareness and Communication
- ✓ BCP

Cyber

- ✓ Forensics
- ✓ Application security
- ✓ System security
- ✓ Access management & control
- ✓ Operational security
- ✓ DR

Challenges in an International Environment

Challenges

Multidisciplinary Environment

International Diversity

Legislation

Share

vs

Protect

Take away

✓ Know your business

✓ No security for security's sake

✓ You build and determine your reputation

Thank you! ☺