

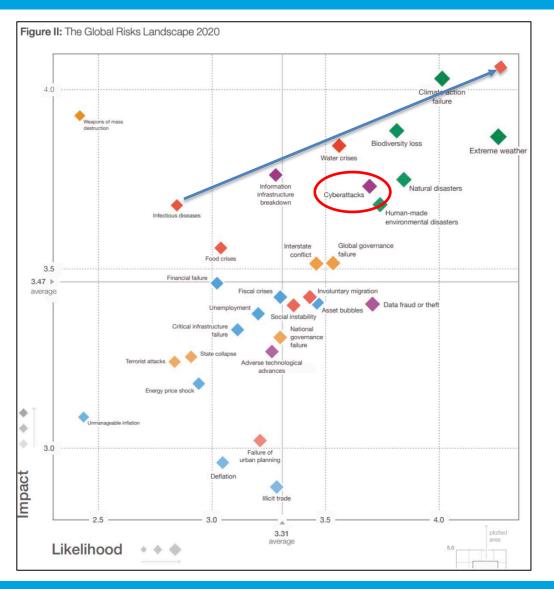
Orhan Osmani



The Global Risks Report states that "Offensive cyber capabilities are developing more rapidly than our ability to deal with hostile incidents"



In recent years the Global Risks
Report has identified cyberattacks
as very likely to happen with a very
high impact.







6 Trillion

The predicted annual cost of cybercrime globally by 2021

- CSO Online



58%

58% of CISOs said their IT systems were definitely or probably under attack without them knowing it

- Core Security



3.5 Million

The number of unfilled cyber security positions globally by 2021

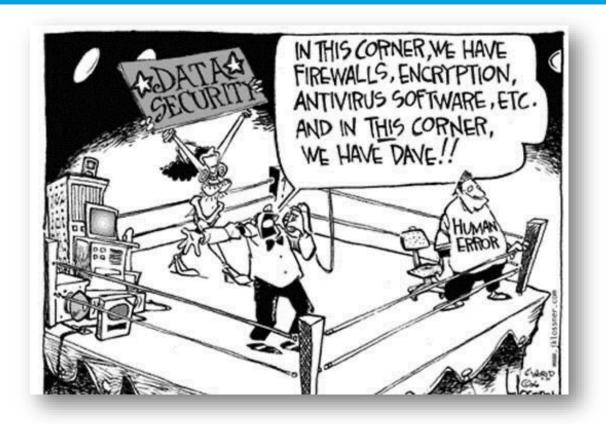
- Cybersecurity Ventures



95%

of cybersecurity compromises are triggered by human errors

(IBM Cybersecurity Intelligence Report)



Exploiting Trust

Someone who can leverage the trust of their victim to gain access to sensitive information or resources or to elicit information about those resources (via phone, office/data center walk in, email or instant messaging)





Governance

Policy and Strategy Risk Management Compliance



Technology

Systems and Infrastructure Security (IT and OT) Communication Security (IT and OT) Data Security



People

Strengthening Organizations
Human Resources Development
Supply Chain and 3rd Party Security Service
Providers



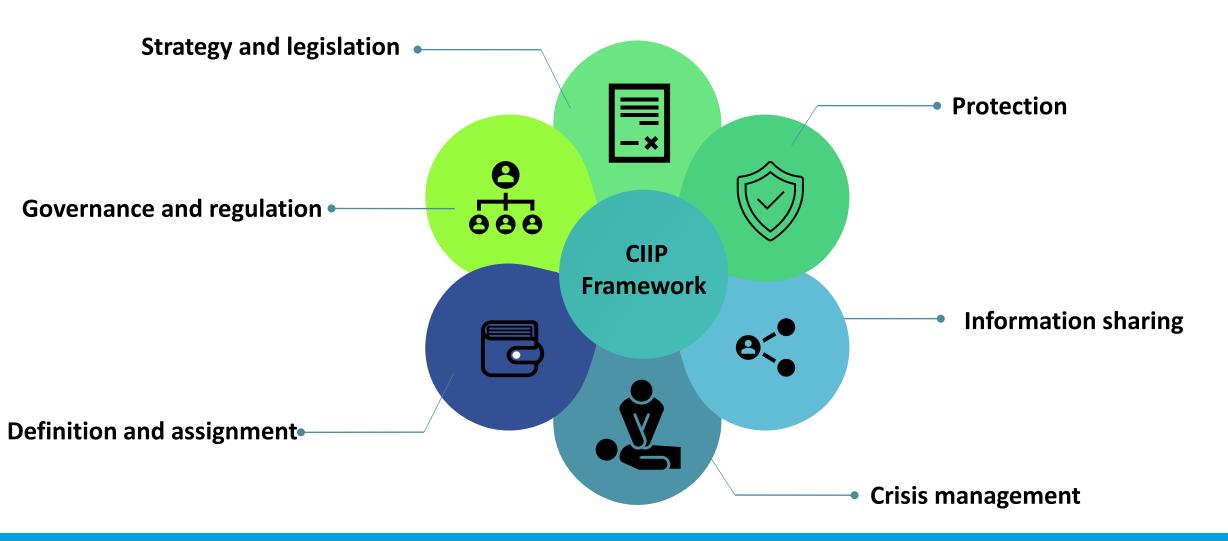
Processes

CERT & Incident Response Threat Intelligence Cybersecurity SOPs Logical Access Control Monitoring and Evaluation

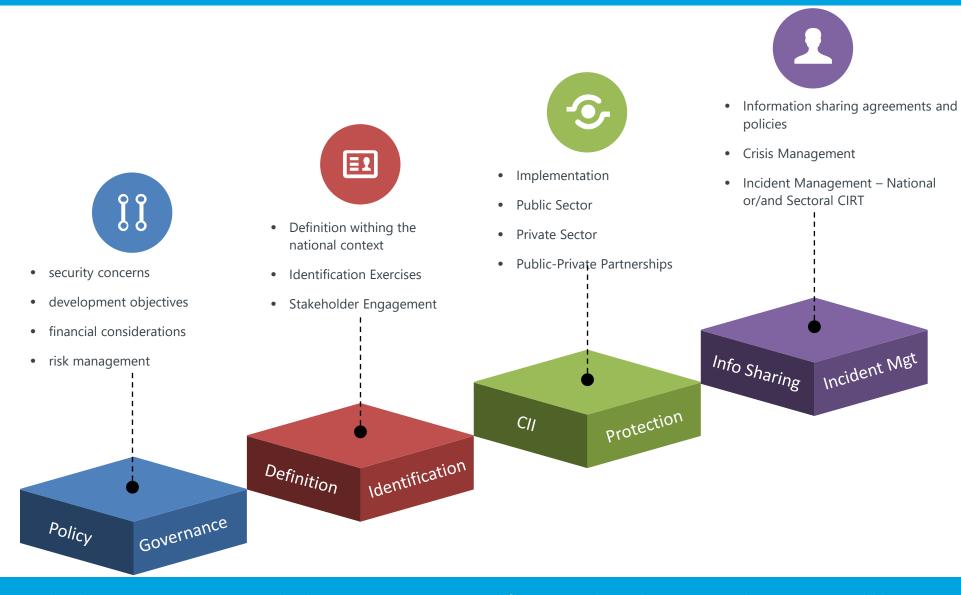
Physical Security

Physical Separation of Critical Systems Social Engineering Prevention – Physical Access to critical Systems













ITU's Role in CIIP CYBERSECURITY PRIORITY AREAS



FOCUS ON DELIVERING IMPACT

TECHNICAL AND POLICY MEASURES

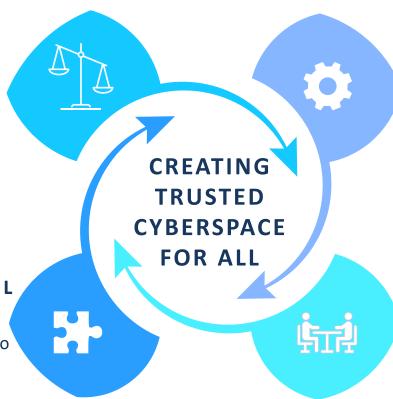
Accelerating the development and adoption of sound national cybersecurity strategies and comprehensive action plans.

ADVISORY AND LEADERSHIP FOCUS

ENHANCING ORGANIZATIONAL STRUCTURES

Establishing prepared organizational structures to support national commitments in cybersecurity.

PROJECT FOCUS



CAPACITY DEVELOPMENT

Improving cybersecurity capacity in the Least Developed and Developing Countries.

TECHNICAL ASSISTANCE FOCUS

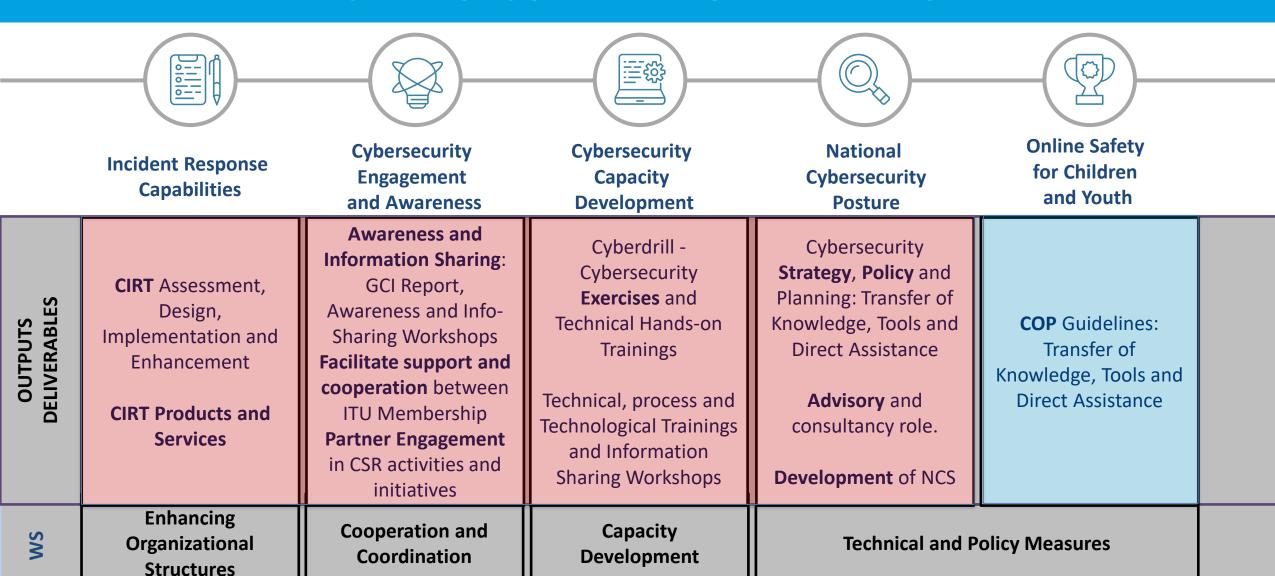
COOPERATION AND COORDINATION

Promoting cybersecurity coordination and collaboration, enabling national digital transformation journey and trust building.

AWARENESS & ENGAGEMENT FOCUS



CYBERSECURITY PRIORITY AREAS



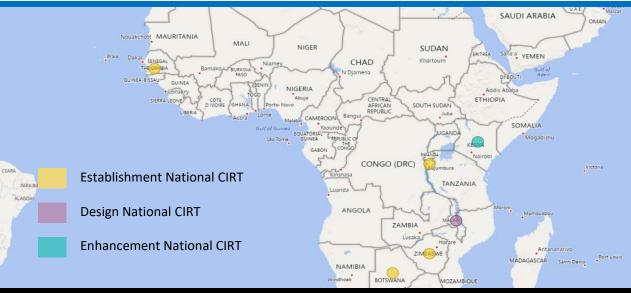


77 + CIRT READINESS ASSESSMENTS



14 CIRT ESTABLISHMENTS







CIRT ESTABLISHMENT—INTERESTS FOR 2020

6 ONGOING CIRT ESTBLISHMENTS

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The role of National CIRTs in Developing Countries



- Facilitate the development of a national CIIP strategy (CIIP)
- Assisting owners & operators of CII to mitigate their information risk
- Establish a trusted communication channel between all the stakeholders
- Provide early warning
- Coordination of incidents response at the National level
- Help CII to develop their own incident management capabilities.
- Testing and measuring CIIP maturity over time and guiding strategy based on measurement
- Promote National Culture of Cybersecurity



CyberDrills

The cyberdrills are designed with a dual purpose: as a platform for cooperation, information sharing, and discussions on current cybersecurity issues, as well as to provide hands-on exercise for national Computer Incident Response Teams (CIRTs) / Computer Security Incident Response Teams (CSIRTs).





Global Cybersecurity Index (GCI)



National Cybersecurity teams are getting better resource support – financial and human.



The developing countries are learning from other ITU Member States through shared good practices



GCI is becoming a capacity development tool, developing countries use GCI as a decision-making tool to improve their national cybersecurity, hence enhancing global cybersecurity awareness level.



The Least Developed and Developing Countries better identify cybersecurity areas to improve.

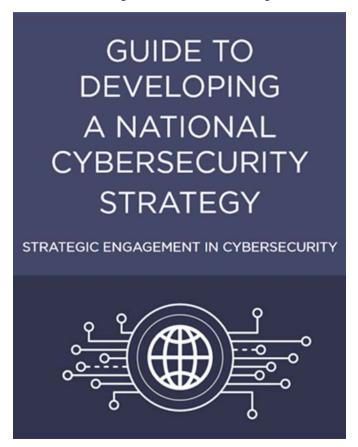


GCI contributes to awareness creation and improvement in national cybersecurity postures





National Cybersecurity Strategy



Focus Area 4– Critical infrastructure services and essential services





Partnerships











And many more organizations including academia, private sector organizations that are ITU Sector Members



THANK YOU

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