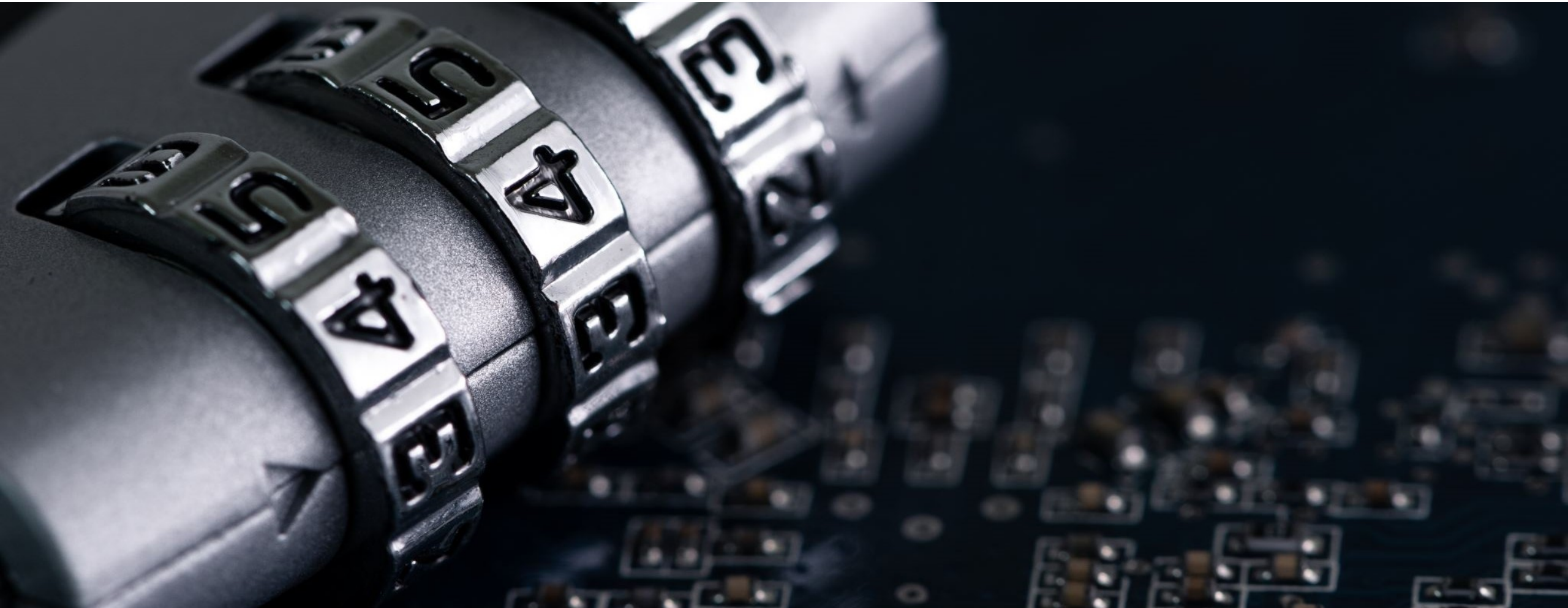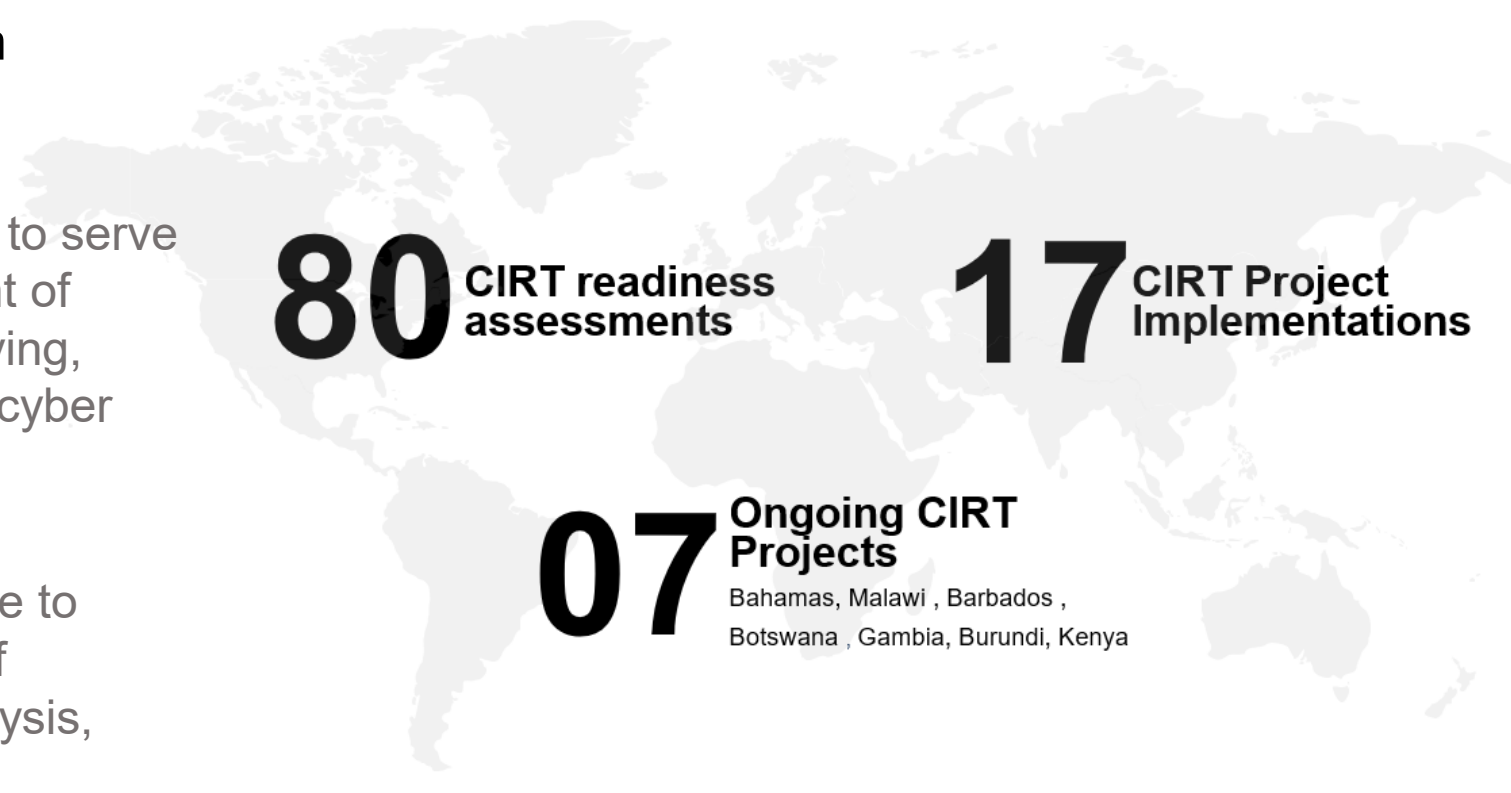# Cybersecurity

Building a Safer Future

Cybersecurity
CIRT implementation

ITU CIRT Framework application in projects are geared:

To enable for National CIRT (or sectorial) to serve as a trusted and central coordination point of contact for cybersecurity aimed at identifying, defending, responding to, and managing cyber threats.
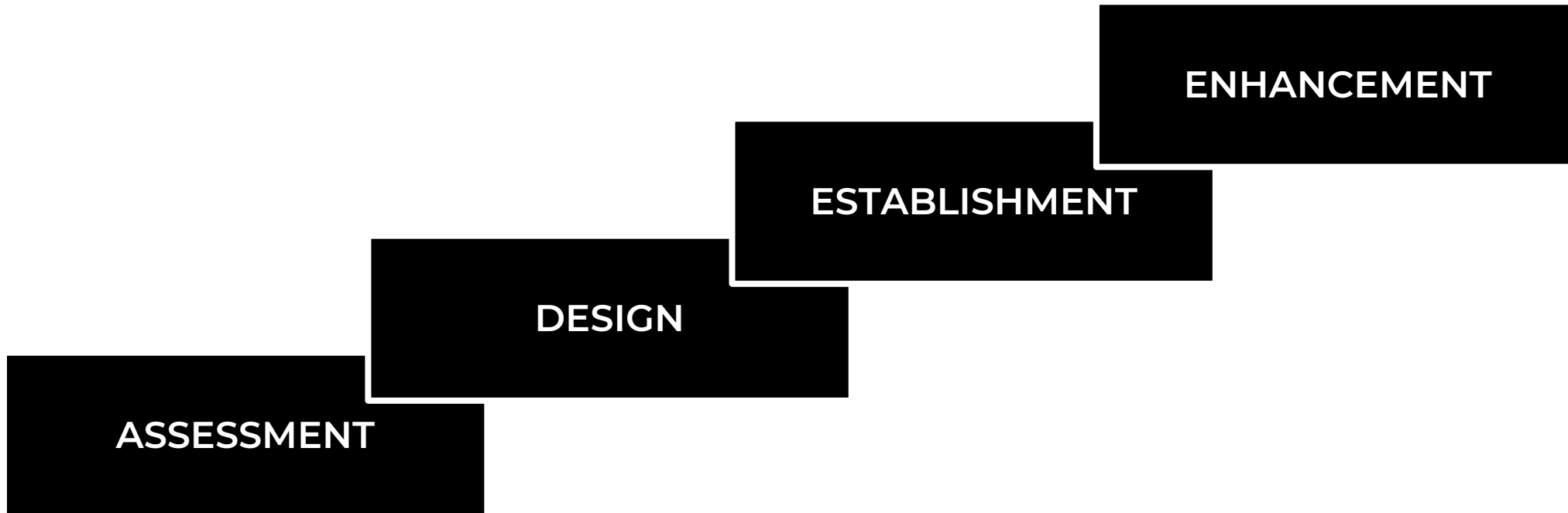
To create a functioning national CIRT, able to provide its constituents with a basic set of services: Incident Handling, Incident Analysis, Outreach/Communication, and later with enhanced services Situation Awareness, Digital Forensics and other services

80 CIRT readiness assessments

17 CIRT Project Implementations

07 Ongoing CIRT Projects
Bahamas, Malawi , Barbados , Botswana , Gambia, Burundi, Kenya

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Cybersecurity
ITU CIRT FRAMEWORK

ENHANCEMENT

ESTABLISHMENT

DESIGN

ASSESSMENT

Aligned with the **FIRST** *Improving Security Together* CSIRT Service Framework

Focused on Incident Responses
capabilities with National responsibilities

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Cybersecurity
ITU CIRT FRAMEWORK

- **CIRT Web site**
WordPress/or Drupal
www.drupal.org or wordpress.org

- **Newsletter management system**
phpList
www.phplist.org

- **Threats and Vulnerabilities Tracking tool**
Taranis
github.com/NCSC-NL/taranis3

- **Penetration testing toolkit**
Penetration testing toolkit including open source tools such as
Kali Linux, Metasploit, Nessus, Nmap, OWASP ZAP and Wireshark..etc.

Cybersecurity
ITU CIRT FRAMEWORK

- **Security Incident Response Platform**

TheHive Project

github.com/TheHive-Project/TheHive

Threat Intelligence and Sharing Platform
MISP
Open-Source Threat Intelligence and Sharing Platform
www.misp-project.org

HORNET Platform
T-Pot
github.com/dtag-dev-sec/tpotce

Cyber Threat Intelligence
OpenCTI
https://github.com/OpenCTI-Platform/opencti

Forensic Toolkit

A compile of malware analysis digital forensics open source tools

https://github.com/NationalSecurityAgency/ghidra/releases

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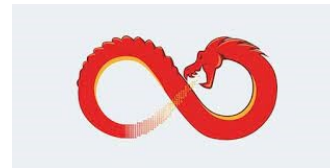
Cybersecurity
National, Regional and Global CyberDrills

CyberDrill Objectives

As a **platform for cooperation**, information sharing, and discussions on current cybersecurity issues, and

As a **means to provide hands-on exercises** for national Cyber Incident Response Teams CIRTs/CERTs/CSIRTs.

32 Exercises were conducted

140+ Countries participated in ITU CyberDrills

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