

# Building

# Cybersecurity Capacity Global Partnerships



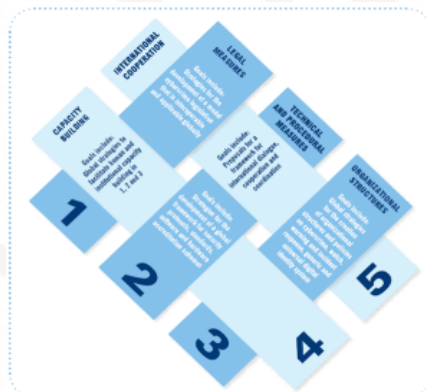
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# ITU and Cybersecurity



2003 – 2005

WSIS entrusted ITU as sole facilitator for WSIS Action Line C5  
“Building Confidence and Security in the use of ICTs”



2007

ITU Secretary-General launched the **Global Cybersecurity Agenda (GCA)**. A framework for international cooperation in cybersecurity



2008 - 2010

ITU Membership endorsed the GCA as the ITU-wide strategy on international cooperation.

# BDT Cybersecurity program@2016

## 6 Service areas – 18 Services

### *Engagement and awareness*

- Global Cybersecurity Index
- Global, Regional and National events
- High-Level Cybersecurity Simulations
- Information Dissemination

### *National Cybersecurity Assistance*

- National Cybersecurity Assessment
- National Cybersecurity Strategy support
- Critical Infrastructure Protection Support
- Technical Assistance

### *Computer Incident Response Team (CIRT) Program*

- CIRT Assessment
- CIRT Design
- CIRT Establishment
- CIRT Improvement

### *Information sharing*

- Best Practices Sharing
- Information Exchange Tools and Techniques

### *Cyber Drills*

- Regional drills
- National drills

### *Human Capacity Building*

- Curricula and Training Programs
- Bespoke Training

# Government Commitment in Cybersecurity

## 5 Main areas measured

- Legal
- Technical
- Organizational
- Capacity Building
- Cooperation

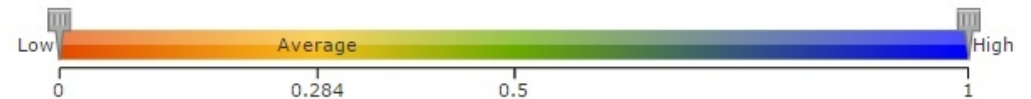
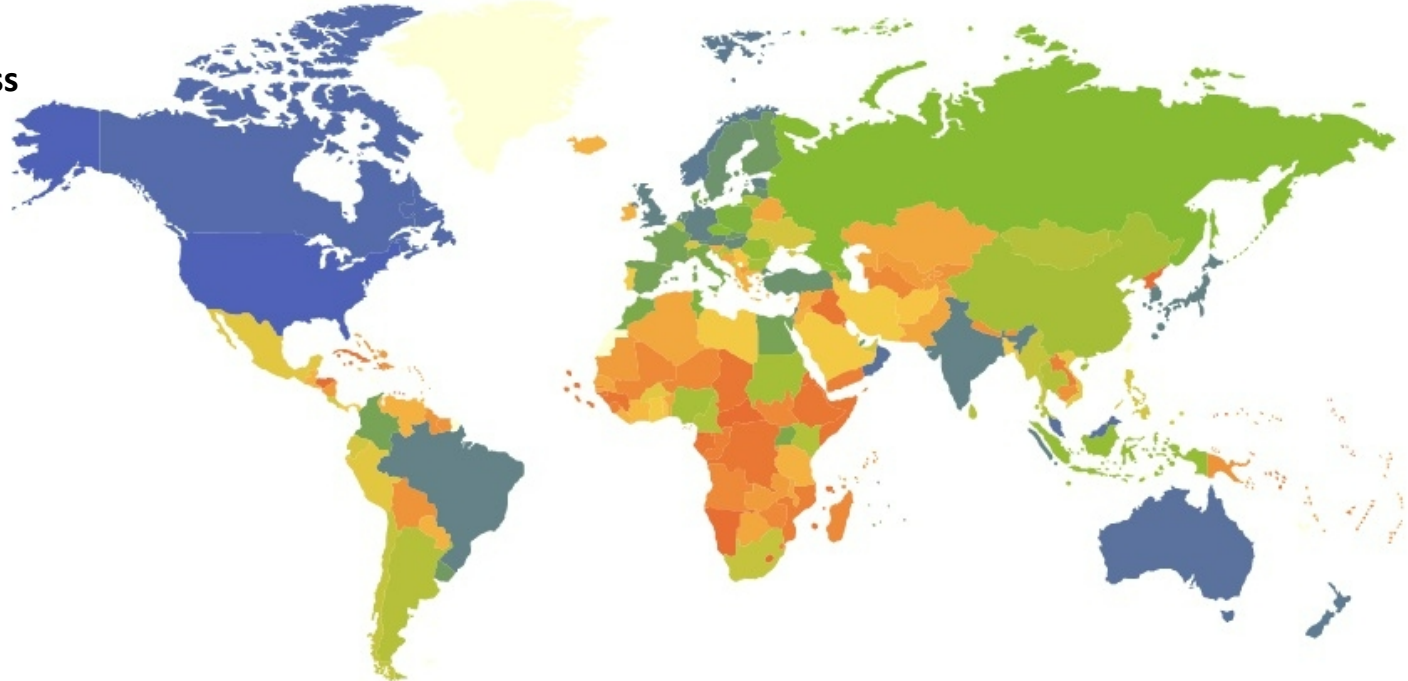
## Goals

- Promote cybersecurity strategies at a national level
- Drive implementation efforts across industries and sectors
- Integrate security into the core of technological progress
- Foster a global culture of cybersecurity

## 13 Partners



Global  
Cybersecurity  
Index



Version 2 – 135 responses received

<http://www.itu.int/en/ITU-D/Cybersecurity/Pages/GCI.aspx>

# A Guide to Being Strategic about Cybersecurity

## WHY ?

- Have a champion leading the work and ensuring that deliverable will move into implementation phase
- Set up a dedicated local team with the relevant representation and expertise
- Contract Consultancy / Expert services / bi-laterals with nations having expertise in NCS elaboration
- Use existing models, tools and resources
- Identify the appropriate information resources

... **how do nations do that ??**

Let's reduce the Confusion & Overlaps and create effective SYNERGIES



2011



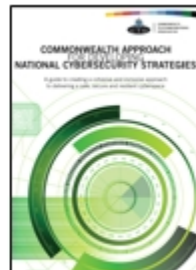
2012



2013



2013



2014

Co-authored  
Multi-stakeholder  
approach



ENISA



# NATIONAL CIRT | CAPACITY BUILDING

ASSESSMENT

IMPLEMENTATION

CYBERDRILL

- Assessments conducted for **67** countries
- Implementation completed for **11** countries  
Burkina Faso, Côte d'Ivoire, Cyprus, Ghana, Jamaica, Kenya, Montenegro, Tanzania, Trinidad and Tobago, Uganda, Zambia
- Implementation in progress for **4** countries  
Barbados, Burundi, Gambia, Lebanon
- **15 regional** cyber drills conducted with participation of over **115** countries

## Regional Cyberdrills

### Purpose

- enhance the communication and incident response capabilities of the participating teams
- initiate a continued collective effort in mitigating cyber threats Incident Response Teams CIRTs

### Structure

- various scenarios involving the most common types of cyberattacks
- knowledge sharing sessions for cooperation and discussions on cybersecurity

### Recent ones

- 2016 in Ecuador

### Partners

- **Host Country's National CIRT**
- **Regional Groups**
- **Industry players**

# Child Online Protection

- to establish an international collaborative network
- for promoting child online protection
- through information sharing, providing guidance and best practices on safe online behavior, and
- helping partners develop and implement effective plans

COP brings together partners from all sectors of the global community to ensure a safe and secure online experience for children everywhere.

The current COP community comprises

- International Organizations
- Civil Society
- Private Sector
- UN Member States



## ITU Regional Initiative 4 in Europe (EUR-RI4) :Building confidence and security in the use of telecommunications/ICTs

- **Objective:** To build trust and confidence in the use of ICTs among children and young people in Europe.
- **Expected Result:** Assistance to the countries in need in the following:
  1. Utilizing the existing knowledge on risk and vulnerabilities to which children are exposed in cyberspace and providing best practices
  2. Providing a platform to raise awareness on child online protection (COP) and safety issues
  3. Developing and implementing roadmaps for national or regional COP initiatives.





# EUR-RI4: Building confidence and security in the use of telecommunications/ICTs

## Outcomes 2015

- Conference for Europe on “Keeping children and young people safe online” (September, Poland).
- Conference on "Central European Cybersecurity public-private dialogue platform" (October, Romania).
- ITU ALERT International Cyber Drill Exercise 2015 for the Europe Region (September, Montenegro).
- Assistance and Coordination on CIRTs in South Eastern Europe
- October Awareness Month (Contribution of ITU to ENISA event in Brussels, October 2015).
- Coordination of preparation of national communication campaigns on COP at the national level
- Twinning between Poland and Romania on transfer of materials for national campaigns to be rolled out in schools targeting children and teachers.
- Preparation of 2015 updates of **COP guidelines**

## Actions of 2016

- **Benchmark of national initiatives on COP in the Central and Eastern European Countries.**
- Celebration of the Safer Internet Day (support to the national campaigns)
- Workshop: Child Online Protection (Postponed to 2017 / Istanbul, Turkey)
- International Conference for Europe on COP (September, Poland)
- Conference on Central European Cybersecurity public-private dialogue platform, September 2016 Sibiu, Romania
- **ITU – Council of Europe: High Level Round Table on COP, 10 October 2016**
- ITU-ENISA Regional Cybersecurity Forum for Europe, 29-30 November 2016, Sofia, Bulgaria
- Elaboration of model national strategy for COP

**JOIN US**

**A positive experience**

Synergies

Resource Optimisation

Collaboration

Expertise Sharing

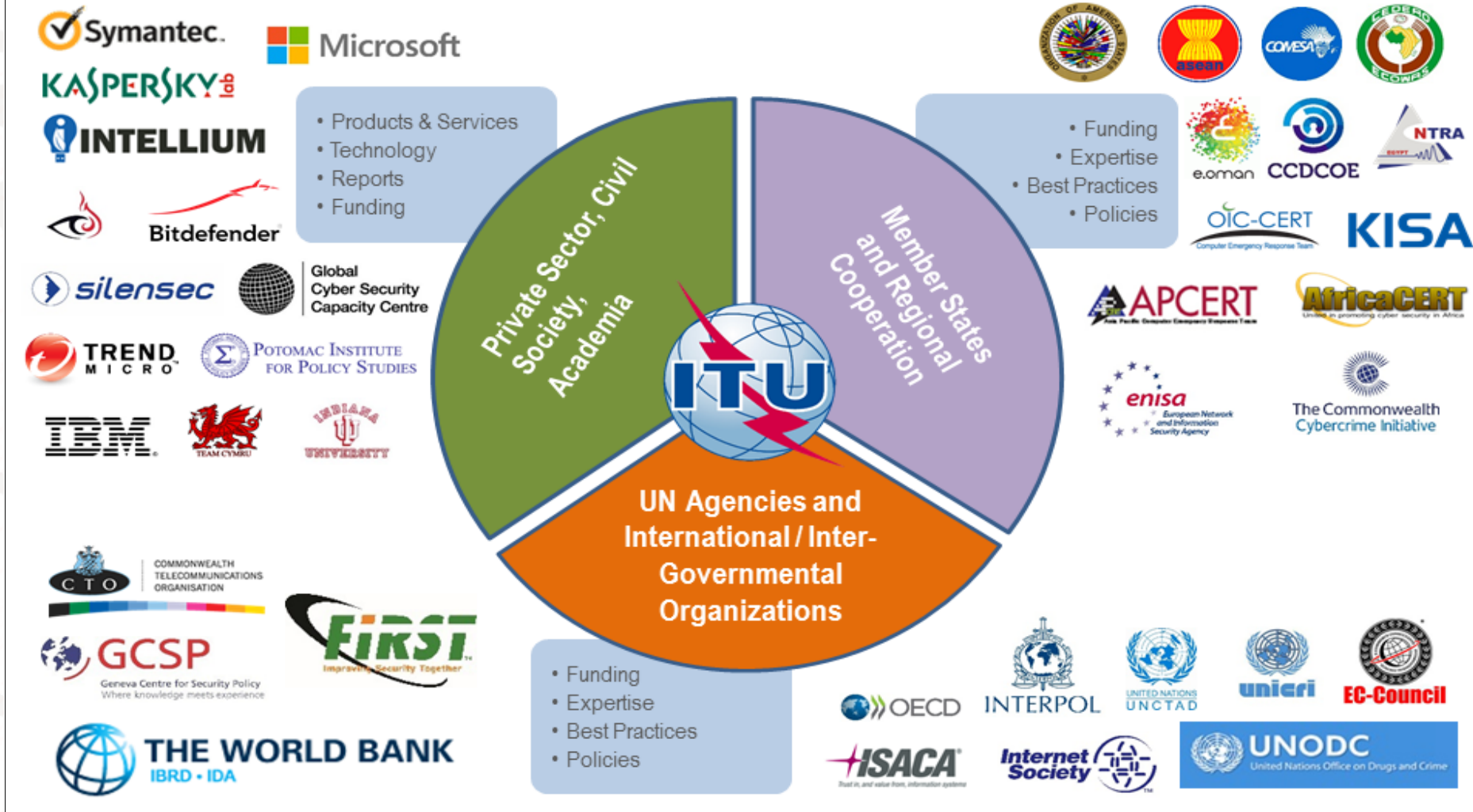
And more ....

**Cross border nature of  
Cybersecurity issues**

Enhanced service or  
product delivery



# Multi-Stakeholder Partnership



# THANK YOU

## Upcoming event

ITU - ENISA Regional Cybersecurity Forum

*@Sofia, Bulgaria 29–30 November 2016*

*National Cybersecurity Strategies, Critical Information Infrastructure Protection, CIRT Cooperation*

*<https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2016/RCYBF/Regional-Cybersecurity-Forum.aspx>*