

# State of Cybersecurity in Europe

## Setting the Context

*Jaroslav Ponder*  
*Head of ITU Office for Europe*  
*May 2019, Bucharest*



**ITUEvents**

Europe Region  
**Cyberdrill**

27 - 31 May 2019  
Bucharest, Romania

Organised within the framework of the  
ITU Regional Initiative for Europe on enhancing  
trust and confidence in the use of ICTs

romania2019.eu

MINISTRY OF COMMUNICATIONS  
AND  
INFORMATION SOCIETY

ITU

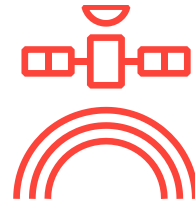
The poster features a large, stylized padlock icon composed of a grid of dots, set against a blue background. The text is arranged in a clean, modern layout with various logos at the bottom.

ITU is the United Nations **specialized agency for information and communication technologies (ICTs)**



**'Committed to Connecting the World'**

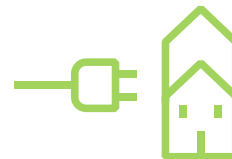
**3 Sectors**



**ITU Radiocommunication**  
**Coordinating** radio-frequency spectrum and **assigning** orbital slots for satellites



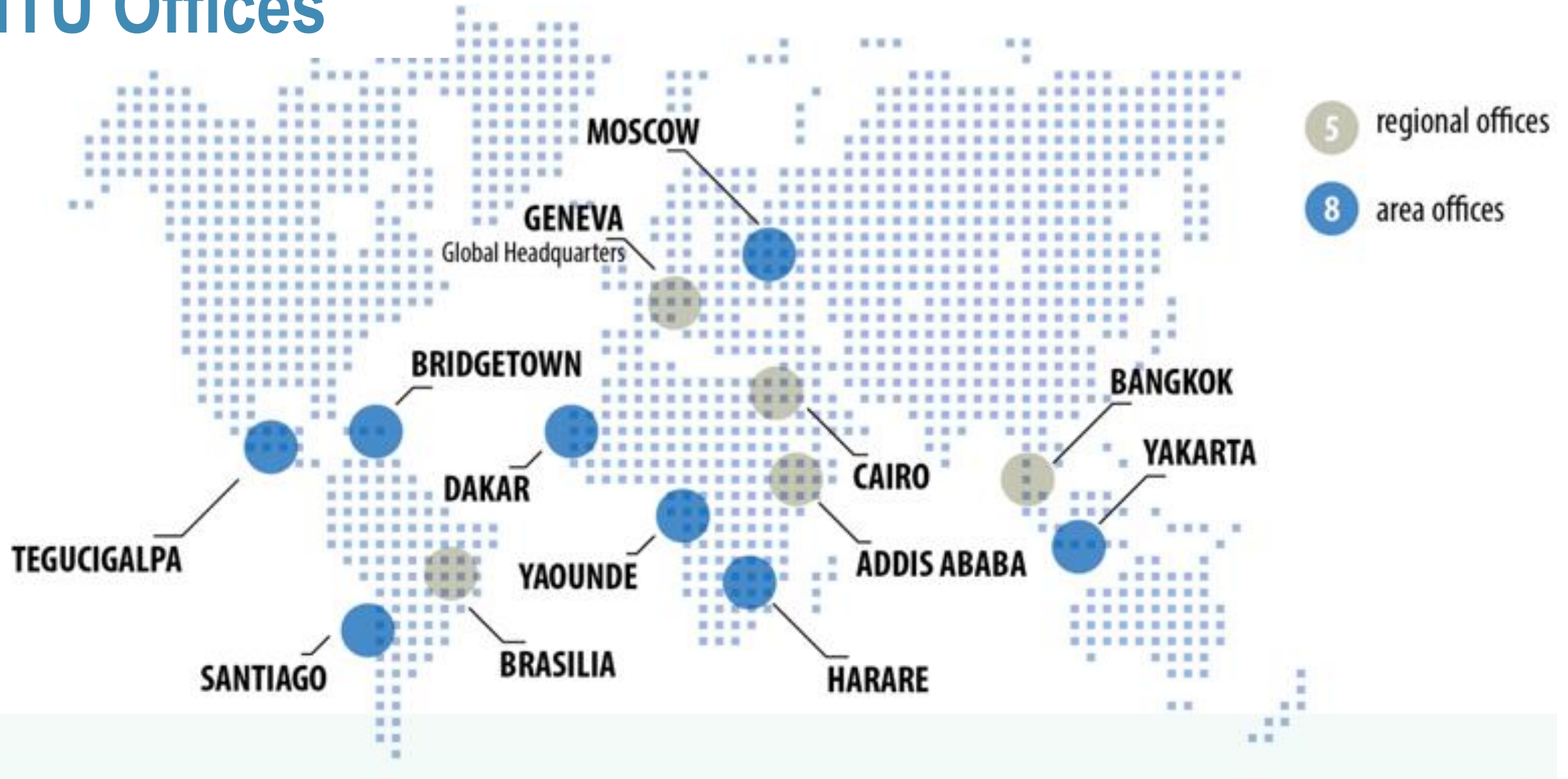
**ITU Standardization**  
**Establishing** global standards



**ITU Development**  
**Bridging** the digital divide

193 Member States | +700 Private Sector Organisations | +150 Academia Members

# ITU Offices





# ITU Office for Europe

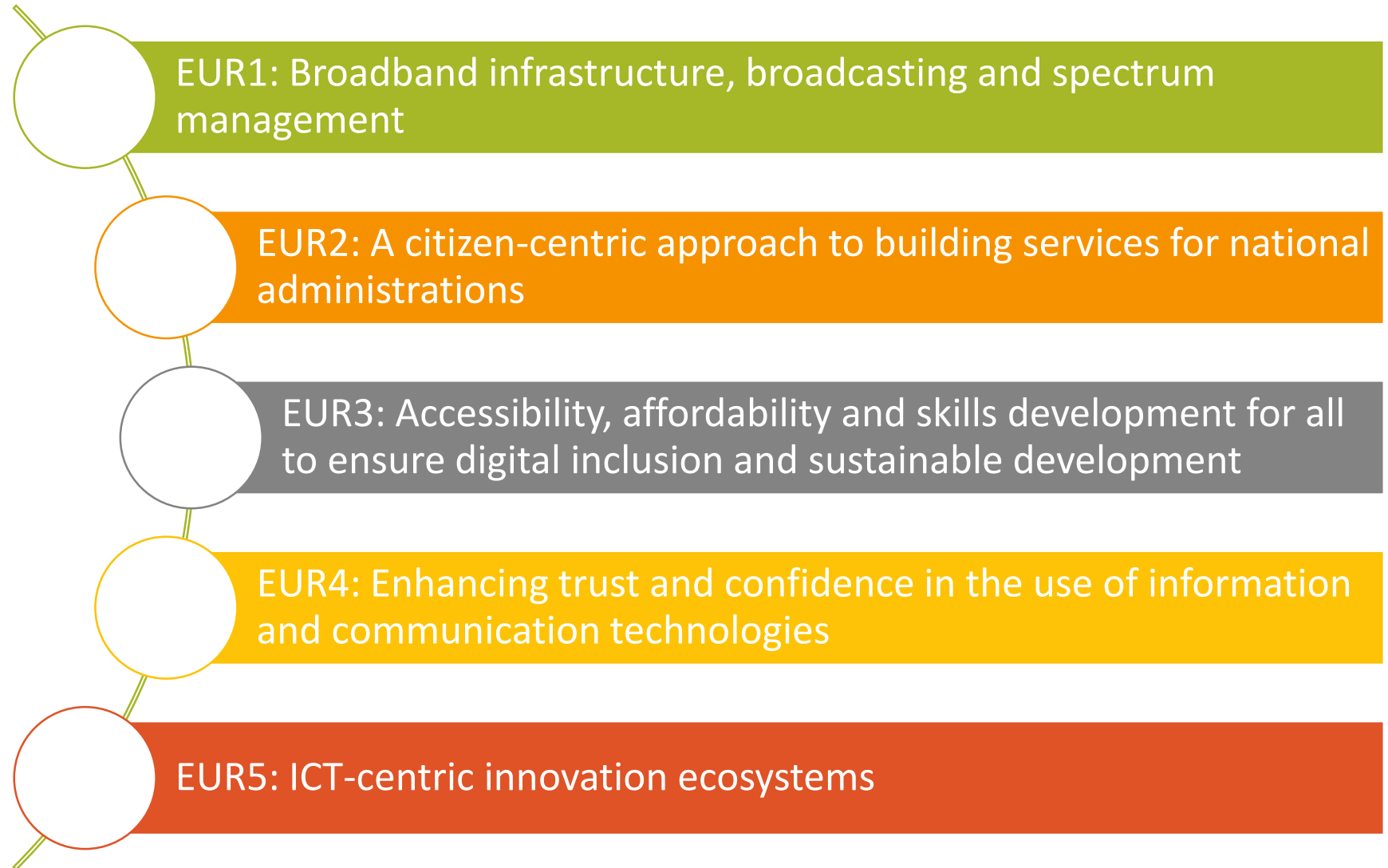
**EURregion@itu.int**

**46 Countries** : Albania, Andorra, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, North Macedonia, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, **Romania**, San Marino, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, Vatican, Ukraine, United Kingdom

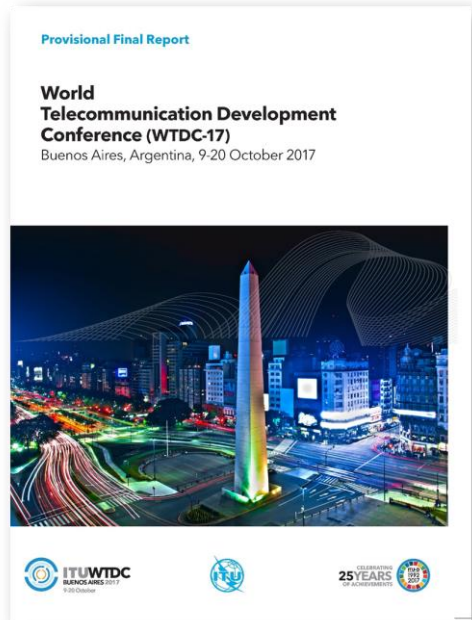
*Facilitate engagement of Member countries in ITU activities to connect the world, leaving no-one behind through participation in standards development, involvement in radiocom global resource allocations and ICT development support*



# REGIONAL INITIATIVES FOR EUROPE 2018-2021



# REGIONAL INITIATIVES on CYBERSECURITY FOR EUROPE 2018-2021



EUR4: Enhancing trust and confidence in the use of information and communication technologies



# CYBERSECURITY - Global Policy



**Sustainable Development Goals:** SDGs 1, 4, 5, 7, 8, **9**, 11, 16, 17

**SDG 9:** Build **resilient infrastructure**, promote inclusive and sustainable industrialization and foster innovation.

**Target 9.1:** Develop quality, reliable, sustainable and **resilient infrastructure**, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all.

**WSIS Action Line C5 :** Building confidence and security in the use of ICTs

## Global Cybersecurity Agenda - GCA

A multi-stakeholder platform to address cybersecurity challenges from 5 perspectives :  
**Legal**, **Technical**, **Organisational**, **Capacity Building**, **Cooperation**

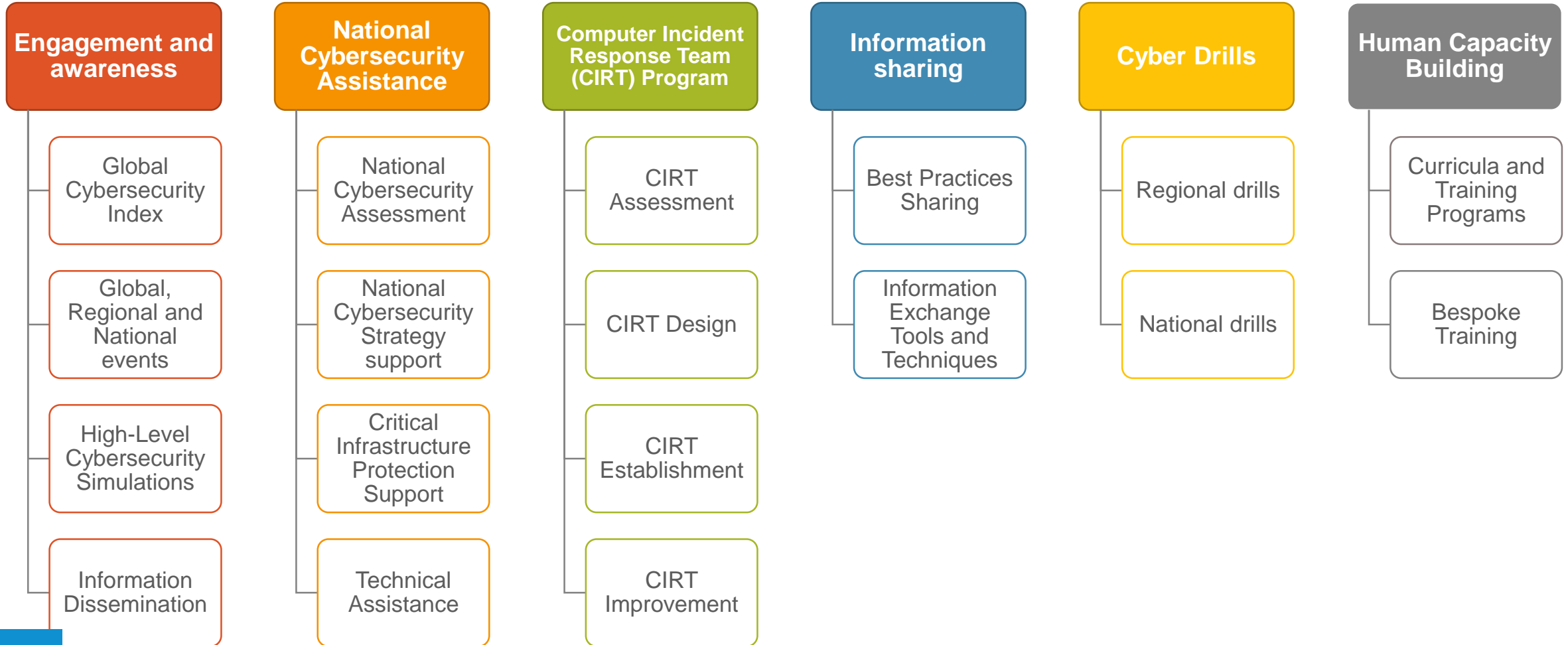
### 3 Pillars of Sustainable Development

- ❖ **Economic development**
- ❖ **Social inclusion**
- ❖ **Environmental protection**



# ITU Cybersecurity Program

6 Service areas – 18 Services





# REGIONAL INITIATIVE on CYBERSECURITY FOR EUROPE 2018-2021

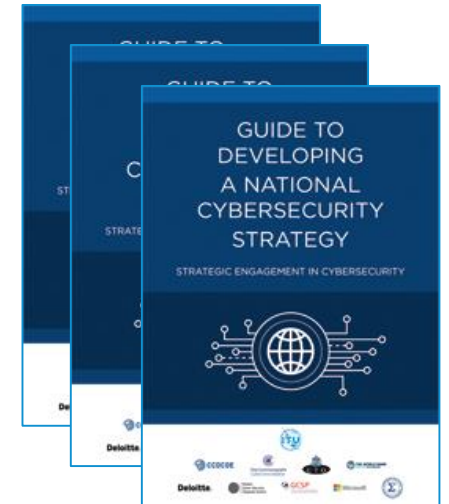


EUR4: Enhancing trust and confidence in the use of information and communication technologies

# Actions in Europe under Regional Initiative of Cyber



- ✓ **CIRT Assessments** : San Marino
- ✓ **CIRT Implementation** : Pending funding  
Albania, Bosnia and Herzegovina, San Marino
- ✓ **Cyberdrills:**
  - Romania, May 2019
  - North Macedonia, June 2020
- ✓ **Forums:** ITU Regional Cybersecurity Forum for Europe and CIS,  
February 2020, Sofia, Bulgaria
- ✓ **Country / Multi-country assistance:**
  - ✓ **Child Online Protection** : Georgia, Ukraine
  - ✓ **National Strategies** : Workshop on National Cybersecurity  
Strategies for Western Balkans, 27-29 June 2019, Skopje,  
North Macedonia



# Actions in Europe under Regional Initiative on Cyber

## ITU Co-organized and/or Supported Conferences / Seminars / Workshops

- ✓ National Event on Safer Internet Day 2019, 5-6 February 2019, Tirana, Albania
- ✓ Vienna Cybersecurity Week 2019, February 2019, Vienna, Austria
- ✓ International Conference: Keeping Children and Young People Safe Online, 17-18 September 2019, Warsaw
- ✓ National Cyber Security Competition October 2019, Skopje, North Macedonia with the view of transforming it into the regional competition
- ✓ The Hague Summit Accountability in the Digital Age, November 2019 and 2020

## Expert interventions

- OSCE Cybersecurity Conference, May 2019, Sarajevo, Bosnia and Herzegovina [ITU Supported]
- Cybersecurity Conference, June 2019, Ohrid, North Macedonia

[www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2019/RDF/](http://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2019/RDF/)

# GCI overall approach

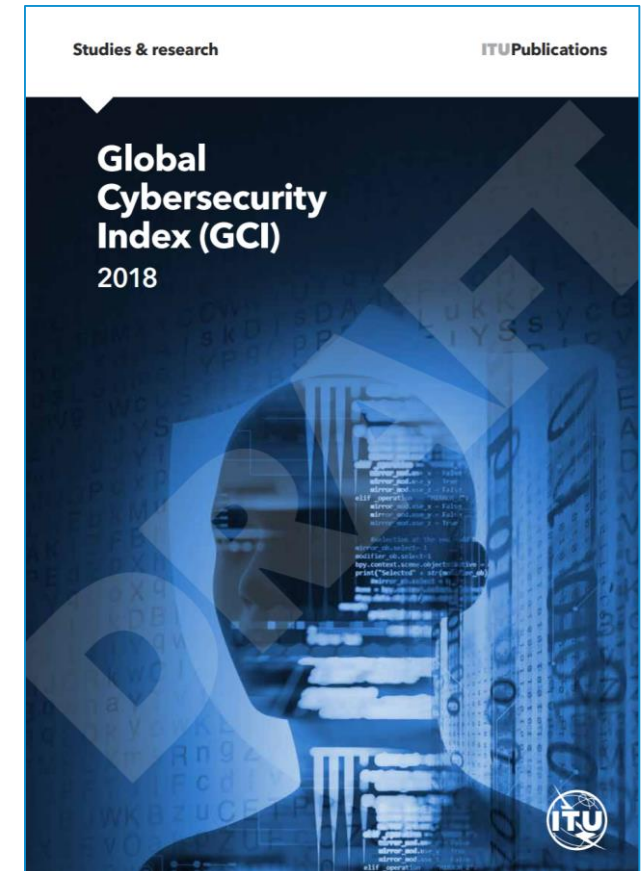
## **Objective**

The Global Cybersecurity Index (GCI) measures each ITU Member States' level of cybersecurity **commitment** in 5 main areas

- Legal - Technical – Organizational - Capacity Building - Cooperation

## **Goals**

- Help countries identify areas for improvement
- Motivate action to improve relative GCI rankings
- Raise the level of cybersecurity worldwide
- Help to identify and promote best practices
- Foster a global culture of cybersecurity

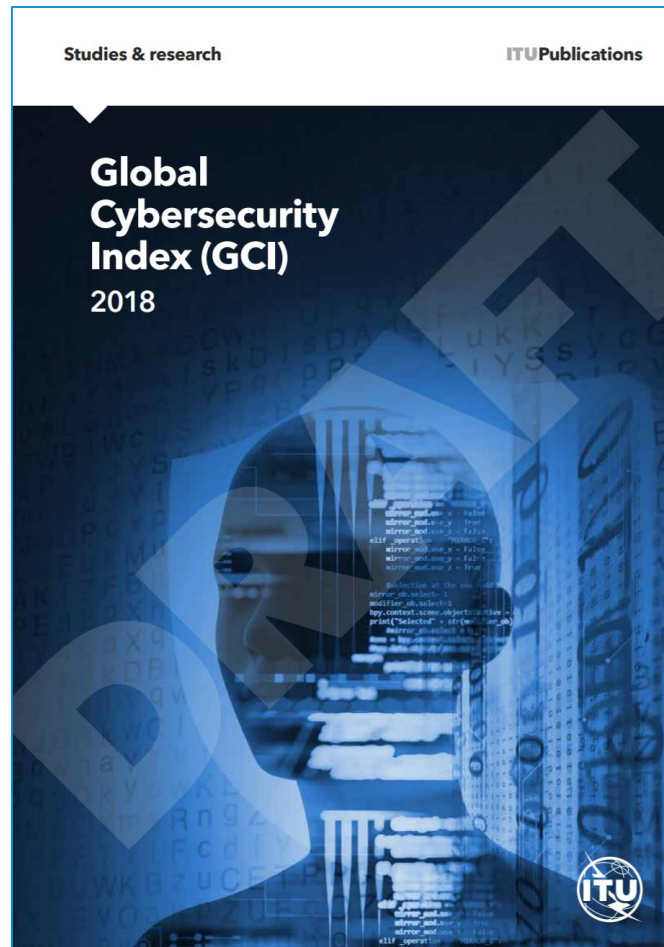


## **GCI 2019 report at**

<https://www.itu.int/en/ITU-D/Cybersecurity/Pages/global-cybersecurity-index.aspx>



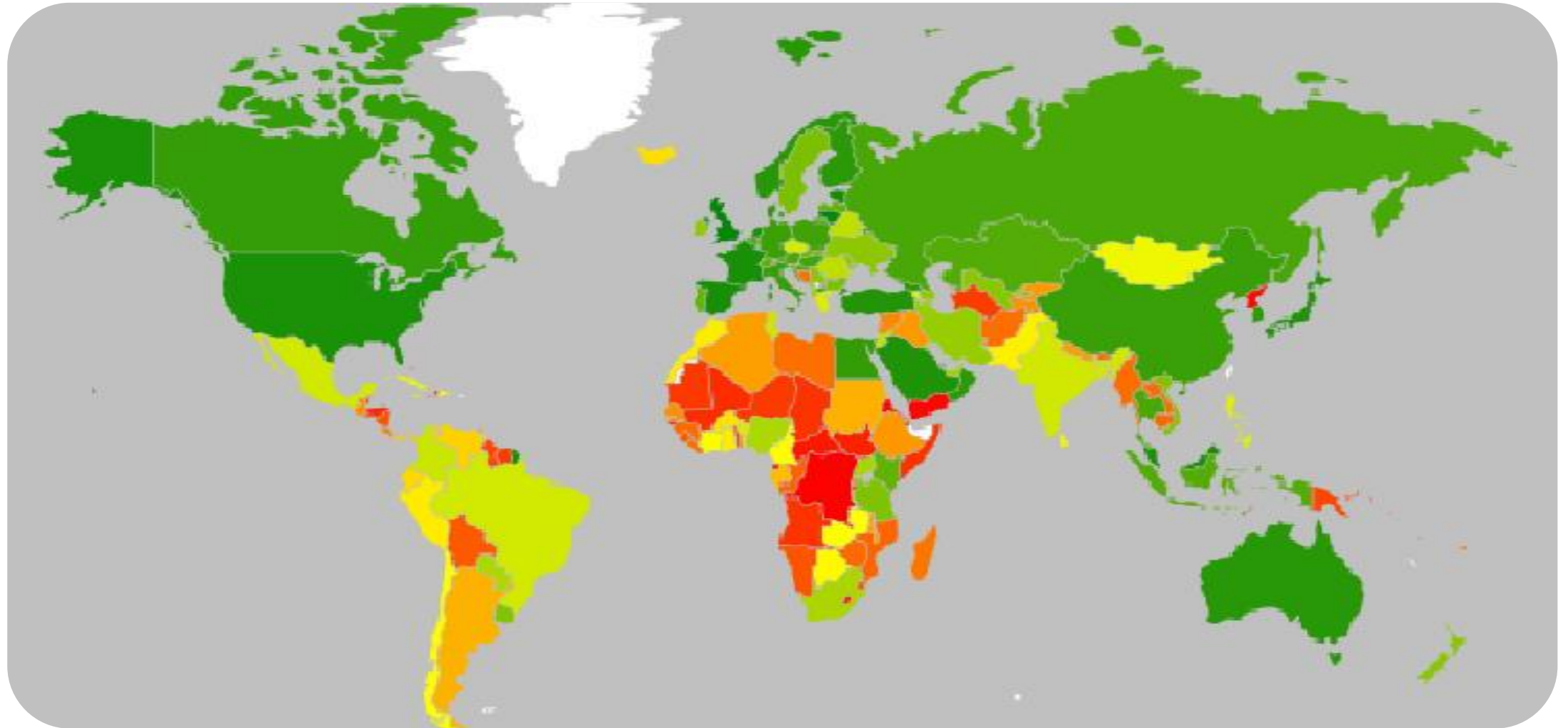
# GCI overall approach



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# GCI 2019: CYBER SECURITY commitment



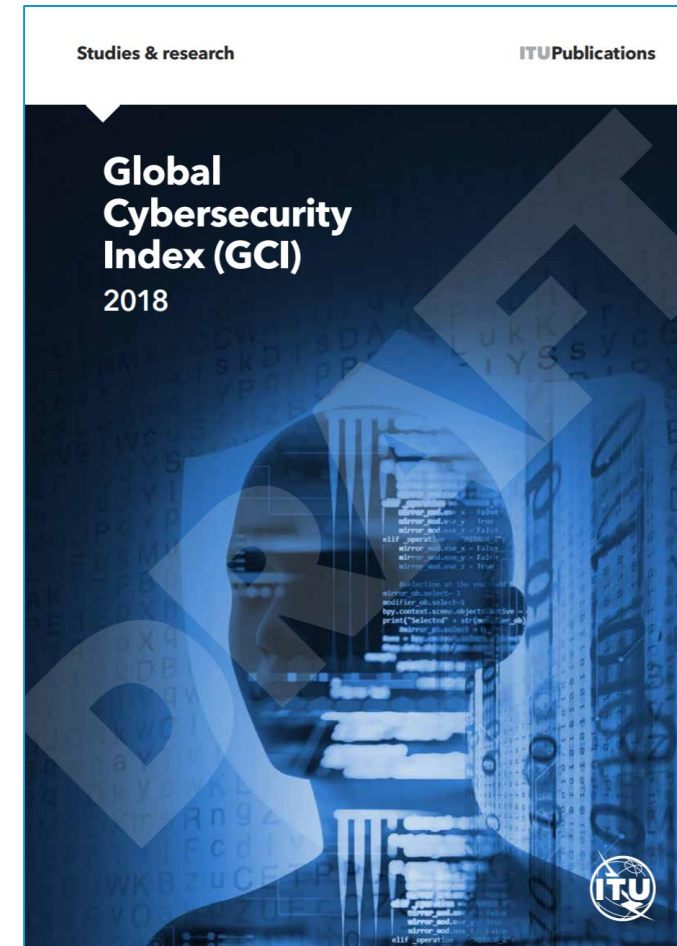
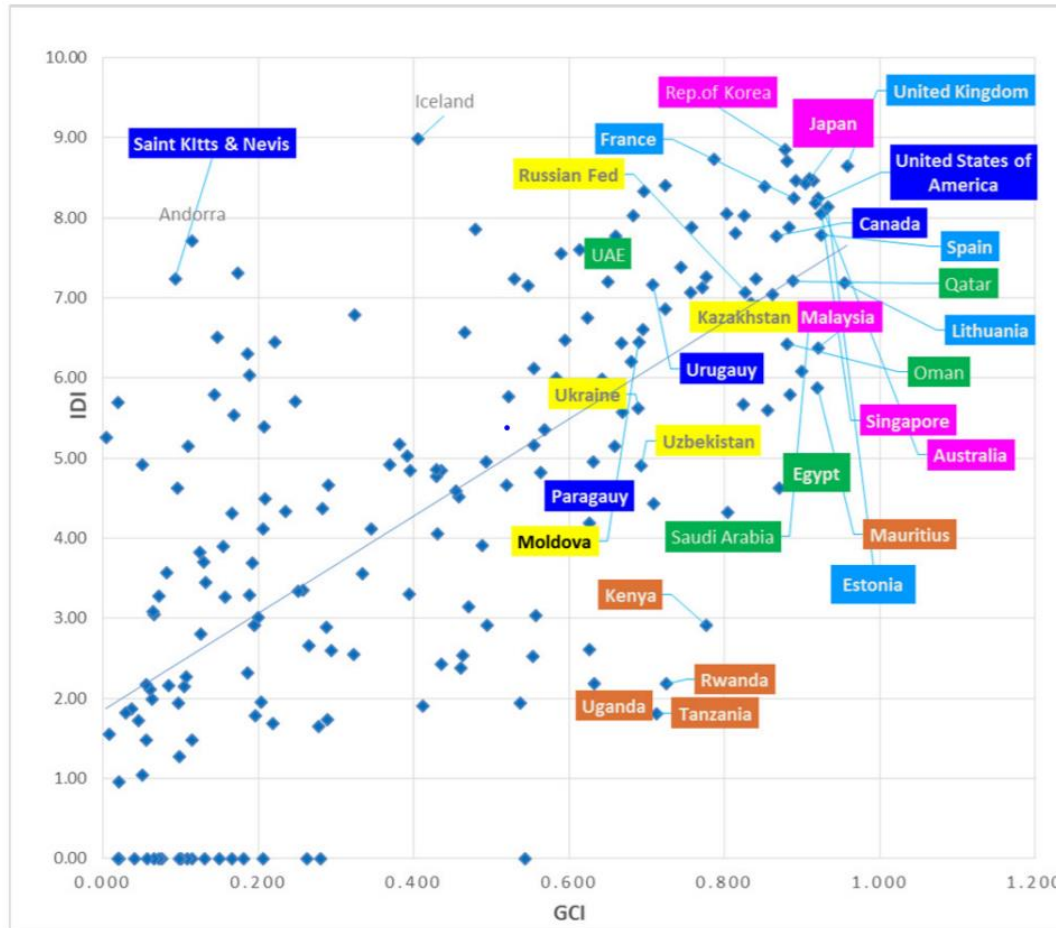
Commitment levels

 High

 Medium

 Low

# GCI 2019: Overall approach



GCI 2019 report at

<https://www.itu.int/en/ITU-D/Cybersecurity/Pages/global-cybersecurity-index.aspx>



# State of Cybersecurity for Europe region (1)

- ✓ All countries have Cybercriminal legislation & Cybersecurity regulation
- ✓ **42 countries have national CIRTs**
- ✓ **41 countries have Govt CIRTs**
- ✓ **35 countries have sectoral CIRTs**
- ✓ 34 countries have Cybersecurity standards implementation frameworks
- ✓ **41 countries have national Cybersecurity strategies**
- ✓ 37 countries have an agency responsible for Cybersecurity
- ✓ 34 countries use Cybersecurity metrics at national level
- ✓ 36 countries have standardization bodies handling Cybersecurity
- ✓ 34 countries have good practices in Cybersecurity
- ✓ 41 countries have R&D programmes in Cybersecurity

# Basic responses for Europe region (2)

- ✓ 39 countries conduct public awareness campaigns in Cybersecurity
- ✓ **40 countries have professional training courses in Cybersecurity**
- ✓ 40 countries have Cybersecurity in national education programmes / academic curricula
- ✓ 26 countries offer incentive mechanisms to build capacity in Cybersecurity
- ✓ 35 countries have a home grown Cybersecurity industry
- ✓ **38 countries cooperate on Cybersecurity with other countries bilaterally**
- ✓ 43 countries have multilateral cooperation with other countries in Cybersecurity
- ✓ 41 countries participate in international events/fora on Cybersecurity
- ✓ 40 countries have public private partnerships in Cybersecurity
- ✓ 34 countries have inter-agency partnerships in Cybersecurity



**THANK YOU !**

**ITU Office for Europe**

[euregion@itu.int](mailto:euregion@itu.int)

**Twitter : @ITU\_EUR**

<https://www.itu.int/en/ITU-/Regional-Presence/Europe/Pages/default.aspx>