

## Internet Infrastructure Initiative

Triple 1: a GFCE Capacity-building project



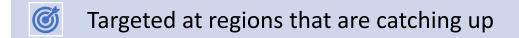
"What to do to improve justified trust in using the Internet and email in the region"

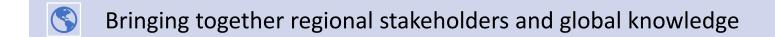
Purpose of the Day



## Aim of the Capacity building events

"To enhance justified trust in the use of the Internet and e-mail in the region through local multistakeholder collaboration, and global support"





Awareness raising on Open Internet Tools

Inspiration through Good Practice Examples (mix local/global)

Impact through joint commitment for action

# Promoting Modern Internet Standards

Website E-mail

**IPv6.** Enables more users and devices to connect to the Internet

**RPKI.** Prevents route hijacking and other routing attacks through use of a trust anchor

**DNSSEC.** Prevents the redirection of users to malicious sites or mailservers

**TLS (HTTPS & DANE).** Protects the privacy and integrity of data transmitted through web browsing

TLS (STARTTLS & DANE). Protects the privacy and integrity of data transmitted through e-mailing

**SPF, DKIM and DMARC.** Prevents domain misuse and combats spam and phising





## Sharing relevant Good Practice

- Mutually Agreed Norms for Routing Security (MANRS https://manrs.org/);
- Knowledge-Sharing and Instantiating Norms for DNS and Naming Security (KINDNS - <a href="https://kindns.org/">https://kindns.org/</a>);
- ➤ Raising awareness on data sources available globally on "the state of the Internet, locally", abuse and vulnerabilities measurements, etc. etc.;
- Implement a Testing Platform to measure the adoption of modern Internet standards in the region to help set priorities (based on the internet.nl testing code <a href="https://internet.nl/">https://internet.nl/</a>);
- ➤ Other projects such as DDOS mitigation; CERT collaboration; IoT security practices, etc. etc.





#### 13 events so far

- Dakar, Senegal, hosted by the African Internet Summit, supported by AfricaCERT/AfriNIC/ISOC 2019, 7 May 2018
- Almaty, Kazachstan, hosted by RIPE NCC, supported by RIPE NCC/ISOC/Kazachstan Telecom, 25 September 2018
- Delhi, India, hosted by Ministry for Electronics and IT (MEITY) and INSIG, supported by ISOC/APNIC, 12 October 2018
- Daejeon, Korea, hosted by APRICOT2019, supported by APNIC/ISOC/dotASIA, 23 February 2019
- Kampala, Uganda, hosted by the African Internet Summit, supported by AfricaCERT, AfriNIC, WACREN, ISOC, ICANN, 27 June 2019
- La Paz, Bolivia, hosted by LACIGF, supported by LACTLD, LACNIC, ISOC, ICANN, CGI.br, 5 August 2019
- Kolkata, India, hosted by INSIG, supported by APNIC, ICANN, ISOC, 25 November 2019
- Hyderabad, India, hosted by INSIG, supported by APNIC, ICANN, ISOC, 27 November 2022
- Guwahati, India, hosted by INSIG, supported by APNIC, ICANN, ISOC, IITG, 27 September 2023
- Accra, Dakar, hosted by GC3B, supported by ICANN, ISOC, 24 November 2023,
- Bogota, Colombia, hosted by LACIGF, supported by ICANN, ISOC, LACNIC, LACTLD, 3 December 2023
- Georgetown, Guyana, hosted by Caribbean IGF, supported by CTU, ICANN, LACNIC, ARIN, ISOC, Global Cyber Alliance, EasyDMARC, 22 August 2024
- Bangalore, India, hosted by INSIG, supported by ICANN, APNIC, ISOC, Global Cyber Alliance, EasyDMARC, 30 September 2024



## Plans for next year

- Continuous improvement of GFCE Triple-I Handbook (standards and practices) and Playbook (set up of workshops)
- Regional capacity building workshops for "multipliers"
- Regional Action Plans, including e.g.:
  - reaching out to multiple local awareness raising and end user training events;
  - Deployment of online software testing tool, adapted to regional requirements (includes languages, references, access to regional support);
  - Support set-up of regional multistakeholder platform discussions to determine together regional priorities in deployment of specific standards and practices

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## Triple I is a GFCE project



www.thegfce.org

SUPPORT THE GFCE TRIPLE-I PROJECT IN ITS OUTREACH AND IMPACT AROUND THE WORLD

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