Sound check script

Please read out loud

Hello, my name is - - - and I will be speaking during the session today.

I am testing my audio to confirm that the technical service providers can hear me clearly.

86 POLICY FORUM

ccNSO Community Sessions

ccTLD News Session (1 of 2)

9 June 2026

ICANN | ccNSO

SPEAK SLOWLY AND CLEARLY.

USE A HEADSET FOR BETTER AUDIO AND INTERPRETATION.

RAISE YOUR HAND IN ZOOM TO JOIN THE QUEUE.

ON SITE? PLEASE MUTE YOUR ZOOM AUDIO.

REMOTE? PLEASE TURN ON YOUR CAMERA WHEN SPEAKING.

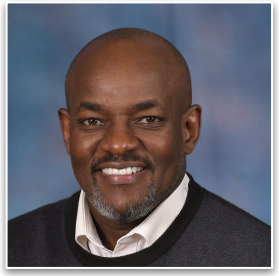
NON-ENGLISH SPEAKER? LET US KNOW FOR INTERPRETATION.

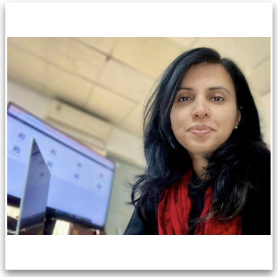
Have a headset ready!

Participants could present, ask questions, or contribute in languages other than English.

ccTLD News Session (1 of 2)

Tuesday, 9 June 2026 | 11:45-13:15 local



Session chair: Joel Karubiu (AFTLD)

- AmalA – Suspicious domain detection system in .es | Alejandro Canas Nieto, .es
- .rw Registration in IremboGov to Advance Rwanda's Digital Transformation | Ingabire Grace Mwikarago, .rw
- Advancing .bd and .বাংলা | Joyeeta Sen Rimpee, .bd
- Enhancing Capacity Building Cooperation in AI Era | Antonia Chu, .cn
- Resilience by design, .ua's experience | Svitlana Tkachenko, .ua

https://www.icann.org/en/ccnso/resources/governance/statements-of-interest

amaIA

Suspicious domain detection system in ".ES"

Dominios.es

June 09th, 2026

Índice

Main Motivations:

Regulatory & Market Drivers

Growing international focus on cybersecurity, reinforced by regulations such as NIS2, requiring stronger incident management and data verification.

Registry Strengthening

Commitment to evolve towards a more reliable, secure, and resilient Registry through improved processes and controls.

02. What is amaIA?

amaIA is an information system created by Red.es and based on artificial intelligence, whose purpose is to detect potentially malicious or fraudulent “.es” domains.

Through the use of machine learning (ML), it can identify suspicious domains, allowing for further analysis and the necessary decision-making to ensure that the “.es” domain name registry is more secure and of higher quality.

- **Anomaly detection**
- **Behaviour prediction**
- **Automatic classification**
- **Feedback and continuous improvement**

03. What is the criteria used by amaIA?

01 Governmental criteria

02 Impersonation of legitimate brands

03 Phishing

04 Term combination

05 Child abuse

06 Future Dates and Events

07 Names of recognized individuals

08 Bank / IBEX 35 entities

09 Emergency phone lines

10 Reserved domains

11 Telecommunication companies

12 Media organization

13 Toponyms

14 Special rules

15 Geographical indications

16 Gambling regulator

Based on these criteria, we created 4 datasets with more than 8k terms in total

Agreements:

- **IWF**
- **Gambling regulator**
- **Geographical Indications**

04. What technology does amaIA use?

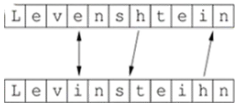
Programming language

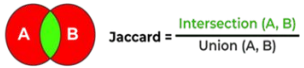
python

SQL

ORACLE DATABASE

Algorithms used





LEET Speak

Libraries used

scikit learn

UNICODE

pandas

difflib

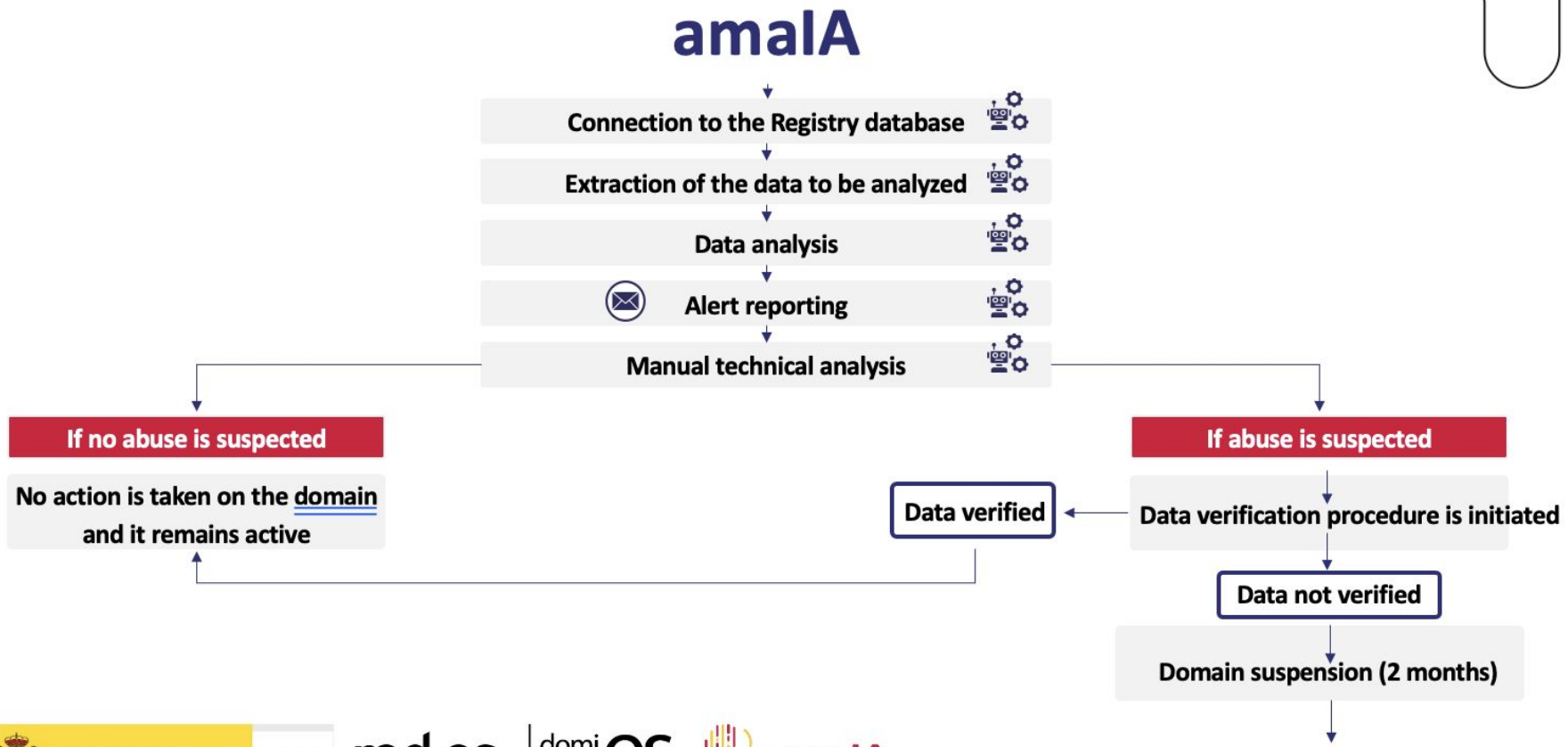
NumPy

TextDistance

Development Environments (IDEs)

Visual Studio Code

05. amalA's process



+950K

Domains analyzed by amalA

+1.6K

Malicious domains detected and blocked

10 mins.

Is the processing time for one day's registrations (≈ 1,400 domains).

07. Next Steps

01

New Alerts

To issue alerts not only based on domain names, but also on registrant names, in order to prevent—or at least identify—repeat offences, IDs, email addresses, etc.

02

Optimisation of the algorithms

Continuous optimisation of the algorithms is another ongoing focus.

03

Minimisation of false positives

We will continue adjusting the existing rules, such as the one concerning the number of consonants, to minimise false positives.

04

Pre-registration verification.

To use amaIA prior to domain assignment, shifting from post-registration analysis to pre-registration verification.

¡Gracias!


GOBIERNO
DE ESPAÑA
MINISTERIO
PARA LA TRANSFORMACIÓN DIGITAL
Y DE LA FUNCIÓN PÚBLICA
SECRETARÍA DE ESTADO
DE DIGITALIZACIÓN
E INTELIGENCIA ARTIFICIAL


red.es


dominios es


amaIA

.RW Domain Integration with IremboGov

Expanding Rwanda's Digital Ecosystem
Through Strategic Partnership

Rwanda Internet Community and Technology Alliance (RICTA)

ABOUT RICTA

Managing Rwanda's National Domain Identity Since 2012

2012

Year Founded

53

Accredited Registrars

36 &17

African & International Registrars

~10,000

Domain Names Managed

DNSSEC Implementation

In partnership with PCH to enhance security and reliability of the .RW namespace

3R Registry Model

Globally recognized Registry–Registrar–Registrant framework

IREMBO

Rwanda's Gateway to
Digital Public Services

"Irembo"

Kinyarwanda for "gateway" — a trusted entrypoint to government services.

100+
Public Services Online

24/7
Always Accessible

UN-Recognized
Digital Gov
Innovation

What IremboGov Offers

A single trusted platform replacing paper queues and sector-office trips with digital access across Rwanda.

Civil Registration

Birth certificates, national IDs, and family records

Travel & Immigration

Passports, visas, and entry permits for foreigners

Business Services

Company registration, permits, and tax compliance

Driving & Transport

Driving licenses, vehicle registration, and road permits

Saved millions of working hours · Nationwide agent network · Available on web and mobile

How .RW Domain Registration Works on IremboGov

Link to Register RW on Irembo: https://www.youtube.com/watch?v=ZNtTffOqAkw

REVENUE DISTRIBUTION PER REGISTRATION

KEY DETAILS

- Payment via mobile money or bank transfer — simple and accessible for all users
- Domain renewals & advanced services remain handled by the accredited registrar
- Users can still register directly through RICTA's registrars listed on ricta.org.rw

IMPACT & RESULTS

Measurable outcomes from the RICTA–IremboGov collaboration

308

.RW domains registered
through IremboGov platform

since launch

Citizen Empowerment & One stop Digital Access

Rwandans and international investors can register .RW domains with just a few clicks alongside other government services on a single trusted platform. No need to navigate separate registrar websites

Expanding Rwanda's Digital Economy

RICTA remains committed to building a thriving internet ecosystem supporting Rwanda's Vision 2050.

Stronger Digital Identity

Growing adoption of .RW strengthens Rwanda's national domain as the mark of digital authenticity and trust.

United Nations Recognition: IremboGov is cited by the UN as a model for digital government innovation and is a flagship example of Rwanda's digital transformation strategy.

LOOKING AHEAD

Rwanda's Digital Future Is .RW

- Expand .RW domain visibility domestically and internationally
- Grow the IremboGov channel as a key domain registration pathway
- Strengthen trust, authenticity, and local digital identity
- Support Rwanda's broader digital economy and internet ecosystem

ricta.org.rw | irembo.gov.rw/domain-registration

Key Commitment

.RW — The Domain of Choice for Rwanda

Advancing .bd and .বাংলা

Progress, Policy & Growth of Bangladesh's Country Code Domains

- **Joyeeta Sen Rimpee**
- **Bangladesh Telecommunication Company Limited (BTCL)**
- Registry Operator for .bd and .বাংলা

May
2026

Today's Agenda

New Domain Extensions

Expanding the .bd namespace with 5 new TLDs

.bd Second Level Launch

Direct .bd registrations & sunrise period

DNSSEC Deployment

Security upgrade for Bangladesh's DNS infrastructure

Premium Domains

High-value domain category for strategic names

Reseller Programme

Growing distribution network across Bangladesh

Revenue Growth

42.5% increase in last 6 months

Expanding the .bd Namespace

Legacy Extensions

- .com.bd
- .edu.bd
- .gov.bd
- .org.bd
- .ac.bd
- .mil.bd
- .info.bd

✦ New Extensions (2023–2024)

.ai.bd	Artificial Intelligence sector
.id.bd	Digital identity
.sch.bd	Schools & educational institutions
.tv.bd	Television & media
.co.bd	Commercial enterprises

The .bd Second Level Launch

A landmark shift: Bangladeshi businesses can now register directly at the second level — e.g. yourname.bd

01

Policy Decision

BTCL & BTRC approved opening .bd second level to all registrants

02

3-Month Sunrise Period

Existing trademark & copyright holders given priority reservation window

03

General Availability

All eligible registrants can now register .bd second-level domains

04

Growing Adoption

Thousands of .bd domains registered; demand rising rapidly

Security & Policy Milestones

DNSSEC Deployment

- BTCL has fully implemented DNSSEC for .bd
- Protects users from DNS spoofing and cache poisoning attacks
- Cryptographic signatures validate DNS responses
- Ensures integrity of the .bd DNS chain of trust
- Aligns Bangladesh with global DNS security standards

BTRC Domain Administrative Guideline

- Bangladesh Telecom Regulatory Commission (BTRC) published official domain administrative guidelines
- Establishes clear policy framework for .bd domain administration
- Defines eligibility, dispute resolution, and registration criteria
- Strengthens legal standing and trust in the .bd registry
- Provides regulatory certainty for registrants and businesses

Premium Domains & Reseller Network

Premium Domain Category

2-Letter .bd Domains

Short, high-value second-level domains (e.g. ab.bd)

Lucrative Keywords

High-demand industry and category names at premium pricing

Tiered Pricing

Market-based pricing reflecting domain value and demand

Strategic Revenue

Premium category drives disproportionate revenue per domain

Reseller Programme

8 **Active Resellers** currently selling .bd domains

- Thousands of domains already registered through resellers
- Nationwide distribution extending BTCL's reach
- Resellers serve local businesses in every region
- Growing channel: more resellers being onboarded

Revenue Growth: A Remarkable Trajectory

42.5%

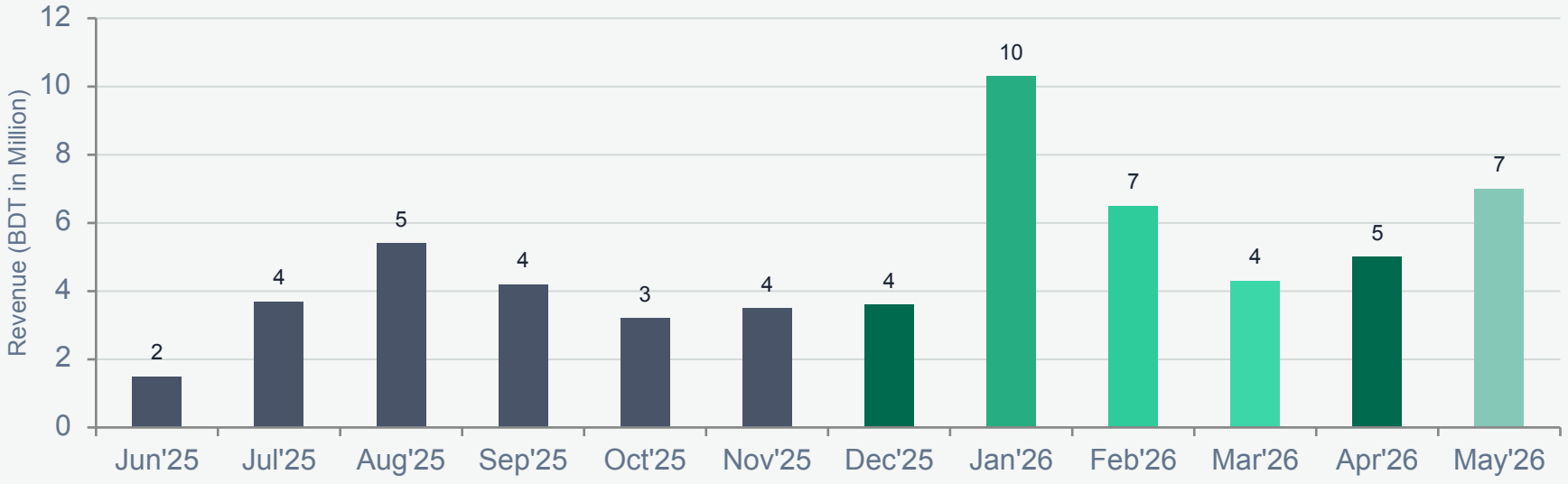
Revenue growth Dec 2025 – May 2026 vs prior 6 months

108%

H2 vs H1 2025 revenue increase

10.3M BDT

Jan 2026 highest single month revenue recorded



Why .bd Demand Is Rising

The Shift in Perception

Previously, Bangladeshi businesses preferred .com.bd over a plain .bd domain — mainly due to habit and lack of awareness.

The opening of .bd second level changed everything. A direct .bd domain is now seen as prestigious, shorter, and more authentically Bangladeshi.

Before

company.com.bd

▶

Now

company.bd

Key Demand Drivers

.bd Second Level

Short, memorable, brand-ready domains now available

Reseller Network

Wider access through 8 active resellers nationwide

Marketing Push

Targeted campaigns building .bd brand awareness

National Identity

Pride in owning a genuinely Bangladeshi domain

.বাংলা — Bangladesh's IDN ccTLD

.বাংলা is the Internationalized Domain Name (IDN) ccTLD for Bangladesh — enabling internet users to navigate entirely in the Bengali script

- Delegated by ICANN as Bangladesh's native-script ccTLD
- Supports the Bengali language internet ecosystem
- Critical for digital inclusion of Bengali-speaking population
- Enables fully localized web addresses for Bangladeshi users

- Serving a Bengali-speaking population of ~230 million globally
- Operated in parallel with the .bd ASCII ccTLD
- BTCL actively promoting .বাংলা for local content
- System updates underway to improve IDN infrastructure

The Road Ahead

System Upgrade

BTCL is preparing a major system update to modernize the .bd registry platform — improving performance, automation, and registrar integration.

Expanding the Reseller Network

Plans to onboard additional resellers to further extend reach across Bangladesh and increase domain accessibility.

.বাংলা Promotion

Continued marketing and technical improvements for the .বাংলা IDN ccTLD to drive adoption across Bengali-speaking communities.

Sustained Revenue Growth

Building on the 42.5% revenue growth momentum through premium domains, wider reseller channels, and targeted outreach.

Thank You

Bangladesh Telecommunication Company Limited (BTCL)
Registry Operator — .bd and .বাংলা ICANN86
ccTLD News Session

Questions & Discussion

CAPACITY BUILDING IN ARTIFICIAL INTELLIGENCE ERA

Tackling Challenges through Enhanced Cooperation

Antonia Chu
China Internet Network Information Center (CNNIC)

CNNIC

CNNIC: China's National Internet Network Information Center

Overview

Established on June 3, 1997, CNNIC is China's authoritative national internet registry and information center. For nearly three decades, CNNIC has served as a cornerstone of China's internet infrastructure and a bridge for global internet cooperation.

Key Facts

- Cooperation with various countries and regions.
- Nearly a hundred training programs delivered domestically and globally.
- Active participant in ICANN, APNIC, IGF, and ITU.

Registry & Operator

Manages .CN domain names and Chinese domain name system; serves as China's National Internet Registry (NIR).

R&D & Security Center

Develops secure, stable infrastructure for internet fundamental resources; advances IPv6 transition and deployment.

Research & Consulting

Publishes the most influential China Internet development reports and stats; provides vital policy research and consulting services for stakeholders.

Int'l Cooperation Platform

Engages with global bodies (ICANN, APNIC, IGF); hosts international training programs and capacity building initiatives.

Capacity Building is the Foundation of an Inclusive Digital Future

As AI reshapes every layer of the internet ecosystem — from infrastructure to governance — the gap between technologically advanced and developing nations is widening. Capacity building is no longer optional; it is a strategic imperative for equitable global internet development.

1. The AI Divide is Accelerating

AI-driven technologies are rapidly transforming infrastructure. Without targeted capacity building, developing countries risk being left behind in deployment and governance.

2. Technical Standards Shape the Future

Participation in IETF, ITU-T, and W3C determines influence over architecture. Most developing nations currently lack the expertise to engage meaningfully.

3. Governance Requires Participation

Effective internet governance — from DNS management to AI policy — demands technically literate stakeholders to advocate for their interests in global forums.

4. Security Threats Respect No Borders

Cybersecurity vulnerabilities in one nation can cascade globally. Strengthening technical capacity across the board is essential for collective digital security.

"An internet that works for everyone requires that everyone has the skills to shape it."

2026 Programs Designed Around Two Strategic Pillars

CNNIC's 2026 capacity building programs are built on a comprehensive needs assessment conducted across partner countries in Asia-Pacific, Africa and beyond. The design process incorporated feedback from 30+ national internet registries, government agencies, and technical communities.

Design Principles

- Demand-driven: Content tailored to real-world challenges identified by participants.
- Practical & hands-on: Emphasis on applied skills, not just theoretical knowledge.
- Collaborative: Co-designed with regional partners and international organizations.
- Scalable: Modular curriculum that can be adapted for different contexts.

01

Artificial Intelligence

Understanding and deploying AI in internet infrastructure and governance.

02

Technical Standards Development

Building capacity to participate in and shape international standards.

AI Track: From Understanding to Responsible Deployment

The AI track addresses the full spectrum of AI literacy — from foundational concepts to governance frameworks — equipping participants to both deploy AI tools and engage in AI policy discussions.

Curriculum Modules

Module	Key Topics	Target Audience
AI Fundamentals for Internet Professionals	Machine learning basics, large language models, AI in DNS/cybersecurity	Technical staff, engineers
AI in Internet Infrastructure	AI-powered threat detection, network optimization, DNS security	Network operators, ISPs
AI Governance & Policy	Regulatory frameworks, ethics, risk assessment, international standards	Policymakers, regulators
Hands-on AI Tools Workshop	Practical exercises using AI tools for network management	All participants

Key Learning Outcomes

- Understand how AI is transforming internet infrastructure and services
- Apply AI tools to enhance cybersecurity and network operations
- Engage constructively in national and international AI governance discussions
- Identify opportunities and risks of AI adoption in local contexts

Standards Track: Empowering Countries to Shape the Internet's Future

Participation in international technical standards bodies (IETF, ITU-T, W3C, etc.) is critical yet remains dominated by a handful of technologically advanced nations. CNNIC's standards track is designed to break down this barrier.

Curriculum Modules

01 Introduction to Internet Standards Ecosystem

How IETF, ITU-T, W3C, and ICANN work; navigating the RFC process.

02 Writing and Submitting Proposals

Drafting Internet-Drafts and effectively navigating working groups.

03 AI & Emerging Technology Standards

Current standardization efforts in AI, IPv6, and IDNs.

04 Simulation Workshop

Mock standards negotiation and practical proposal defense.

WHY THIS MATTERS

- Only 15% of IETF participants come from developing countries.
- Technical standards directly determine global interoperability, security, and access.
- Countries that actively shape standards gain long-term strategic advantage in the digital economy.
- CNNIC has successfully led the development of RFC3743, RFC4713, RFC5336 and other international standards.

2026 Program Highlights: Broader Reach, Deeper Impact

Program Highlights at a Glance

Total Programs	50+ training programs across 2 tracks
Total Participation	40+ professionals from 10+ countries
Delivery Formats	In-person (SHANGHAI & BEIJING) Lectures + Group Discussions + Visits
Partners & Supports	ICANN, NIDA, WAA, Huawei
Flagship Event	Asia-Pacific Internet Resources Capacity Cooperation Program 20th Anniversary

2026 Program Highlights: Broader Reach, Deeper Impact

Notable Innovations in 2026

AI-assisted Curriculum
Adaptive learning tools that tailor content to each participant's background and pace.

Mentorship Program
Pairing participants with CNNIC engineers and international experts for 6-month follow-up.

Policy Simulation Lab
Immersive exercises simulating UN GGE, ICANN, and ITU negotiations.

Alumni Network
Connecting 100+ graduates from previous programs for ongoing peer learning.

Building Bridges: Our Shared Commitment to an Inclusive Internet

The AI era presents both unprecedented opportunities and profound challenges for global internet governance and development. CNNIC's capacity building programs are designed not just to transfer knowledge, but to build lasting partnerships and empower communities to shape their own digital futures.

Key Takeaways

Capacity building is a strategic priority

In the AI era, technical literacy and governance expertise are prerequisites for meaningful participation in the global internet ecosystem.

Collaboration multiplies impact

No single organization can address the scale of the challenge. We are committed to co-designing and co-delivering programs with partners.

Standards participation is power

Helping developing countries engage in international technical standards is one of the highest-leverage investments in digital equity.

AI must be governed, not just adopted

The programs equip participants not only to use AI, but to govern it responsibly and ethically.

Next Steps

Q3 2026	Conduct participant survey to collect feedbacks from participants, partners and guest speakers
Q4 2026	Design and prepare for 2027 programs, decide on themes/topics, target participants, formats, location, budget, etc.
2027	Kick-off the program(s), call for participants partners and guest speakers, arrange logistics
Ongoing	Wrap-up 2026 programs and design survey; follow-up remaining items and broader cooperations

"We invite you to join us in building the capacity that the internet — and the world — needs."

Thank You
Let's Build the Future Together

Contact & Collaboration

www.cnnic.cn

chunan@cnnic.cn

Institute of Policy and International Cooperation

Call to Action

- Express interest in upcoming programs
- Explore partnership opportunities
- Join the CNNIC partner network

Dedicated to a Secure, Stable, and Inclusive Internet for All

Resilience by Design

Lessons from the .UA ccTLD

Svitlana Tkachenko
ICANN86 • 9 June 2026

Ukraine as a Real-Life Stress Test

- Full-scale war
- Infrastructure damage
- Cyber threats
- Power outages

For .UA, resilience is daily operations.

c·c·T·L·D

What a ccTLD Must Protect

- Digital identity
- Trust
- Availability
- Continuity

A ccTLD is not just a technical zone.

Design Principle #1: Distributed Infrastructure

- Geographically distributed DNS
- Anycast
- Redundancy
- Continuous monitoring

DNS must not depend on one place.

c·c·T·L·D

Design Principle #2: Trust and Security

- DNSSEC
- Access control
- Incident response
- Integrity of DNS data

Availability without trust is not resilience.

c·c·T·L·D

Design Principle #3: People and Procedures

- People
- Procedures
- Communication
- Decision-making

People are part of the infrastructure.

c·c·T·L·D

Design Principle #4: Ecosystem Trust

- Registrars
- Partners
- Internet community
- Trusted relationships

A ccTLD is resilient when its ecosystem is resilient.

c·c·T·L·D

Lessons from Ukraine

- Design for failure
- Avoid single points of failure
- Build trust into infrastructure
- Include people and partners
- Embed resilience into governance

Resilience is not improvised.
It is designed, tested, and adapted.

c·c·T·L·D

The Ukrainian lesson is simple:

resilience is not one technology,
one team, or one institution.

It is an ecosystem designed to continue.

Thank you!