

APNIC 36

ITU Activities in Asia-Pacific Call for Smart Partnership

27th August 2013
Xi'an, China

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Agenda



- ✓ ITU Structure and Functions
 - ✓ ITU Activities and IPv6
 - ✓ Connect Asia-Pacific Summit
 - ✓ TELECOM WORLD 2013
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ITU

ITU Structure & Functions

- Founded in 1865
- Leading UN Special Agency for ICTs
- HQs in Switzerland
- Asia-Pacific Regional Office in Thailand

- Three Sectors (ITU-T, ITU-D, and ITU-R)
- 4 Regional Offices & 7 Area Offices
- 193 Member States, 545 Sector Members, 161 Associates, and 33 Academia

ITU-T

Efficient, right-time production of international telecommunication standards

ITU-D

Established to help spread equitable, sustainable and affordable access to ICT.



ITU-R

Managing the international radio-frequency spectrum and satellite orbit resources

ITU TELECOM

Brings together the top names from across the ICT industry & ministers and regulators for a major exhibition, a high-level forum & a host of other opportunities

ITU in Asia-Pacific



- **Regional Office for Asia and the Pacific:** Bangkok, Thailand
- **Area Office for South East Asia:** Jakarta, Indonesia
- **The offices serve for 38 Member States and over 72 Sector Members**

LDCs (13)

Afghanistan
 Bangladesh
 Bhutan
 Cambodia
 Lao, PDR
 Nepal
 Myanmar
 Timor Leste

Kiribati
 Samoa
 Solomon Is.
 Tuvalu
 Vanuatu

Fiji
 Maldives
 Marshall Islands
 Micronesia
 Nauru
 Tonga

SIDS (12)

PNG

Low-Income States (9)

D.P.R. Korea
 India
 Indonesia
 Mongolia
 Pakistan
 Philippines
 Sri Lanka
 Vietnam

The Rest (10)

Australia
 Brunei
 China/Hong Kong
 Iran
 Japan
 Malaysia
 New Zealand
 R.O. Korea
 Singapore
 Thailand

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ITU and IPv6

ITU Res: IP Addressing & IPv6



PP-10 Resolutions

- ✓ Res 101: “Internet Protocol-based networks”
- ✓ Res 102: “ITU's role with regard to international public policy issues pertaining to the Internet and the management of Internet resources, including domain names and addresses”
- ✓ Res 133: “Role of administrations of Member States in the management of internationalized (multilingual) domain names”
- ✓ Res 180: “Facilitating the transition from IPv4 to IPv6”

WTDC-10 Resolutions

- ✓ Res 63: IP Address Allocation and encouraging the deployment of IPv6 in the developing countries

WTSA-12 Resolutions

- ✓ Res 64: IP address allocation and facilitating the transition to and deployment of IPv6
-

ITU Activities: IPv6



- ✓ Develop Guidelines to enable adjustment of the organizational frameworks and policies necessary for migration to and deployment of IPv6;
- ✓ Collaborate closely with relevant entities (e.g. IETF, LIRs, RIRs, the Internet society, in addition to others) to provide human capacity development, training, and other assistance; and
- ✓ Initiate the project to assist developing countries, after having determined regional needs in respect of the transition, taking into account WTSA Res 64 (Johannesburg, 2008) of the World Telecommunication Standardization Assembly and also the results of the work of Correspondence Group 1 of the ITU-T IPv6 Group.

ITU on IPv6



- ✓ Assistance to countries;
- ✓ Update of roadmaps;
- ✓ Workshops & Trainings: e.g., Transcontinental IPTV experiment over IPv6, Bangkok, 9-10 September 2013 (http://www.itu.int/en/ITU-T/C-I/interop/Pages/CI_APT_event_Sept_13.asp);
- ✓ ITU-T Study Groups; and
- ✓ ITU IPv6 Group: More details available at <http://www.itu.int/net/ITU-T/ipv6/> etc.

Smart Partnership: IPv6



- Partners: APNIC, NAv6 and Ministry of ICT, Thailand, ITU
- Activities (2011-2013) : online and face-to-face trainings under the ITU Asia-Pacific Centres of Excellence e.g.,
 - ✓ IPv6 Migration Strategies for Telecom Service Providers
 - ✓ IPv6 Infrastructure Security
 - ✓ Migration to IPv6
 - ✓ Certified IPv6 Network Engineer (Level 1 and 2)

Ways Forward



- APNIC-ITU Partnership -

- ✓ Developing policy and implementing strategies;
- ✓ Guidelines for IPv6 deployment;
- ✓ Technical assistances on deployment of IPv6;
- ✓ Cooperation on human capacity building under the framework of ITU Asia-Pacific Centres of Excellence; and
- ✓ Global project on IPv6 capacity building with potential partners (e.g., USAINs, NAv6, other interested parties such as RIRs, ISOC)
- ✓ More !



Connect Asia-Pacific Summit

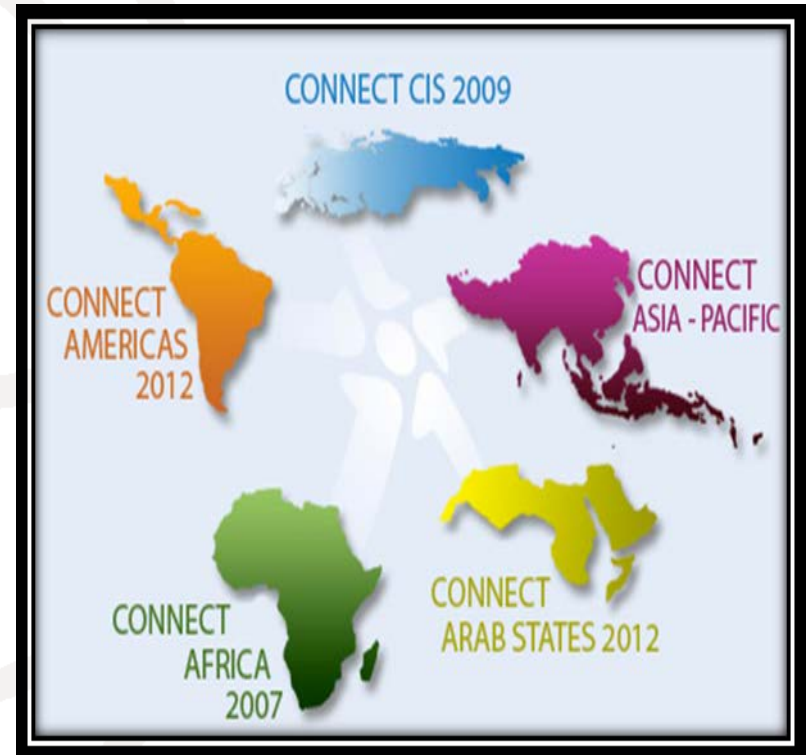


Connect Summits



Objective: mobilizing human, financial, technical and political resources for the implementation of connectivity targets established at the World Summit on the Information Society (WSIS) & MDGs

- Achieve **political support** at national and regional level
- Identify **priority projects** and engage potential partners
- Match partners and establish **Smart Partnerships (4Ps)**



Why Connect Summit ?

ICT as enabler
for the
information &
Smart Society

.....



ICT and
climate change



Digital
Cities



Smart
Grids



Security in
Cyberspace



Fully Networked
Car



e-commerce



e-education



e-governance



e-health

C
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International
Telecommunication
Union

Connect Asia-Pacific Summit

Asia-Pacific: Smartly DIGITAL



Digital Inclusive Green Innovative
Transformative Affordable Living



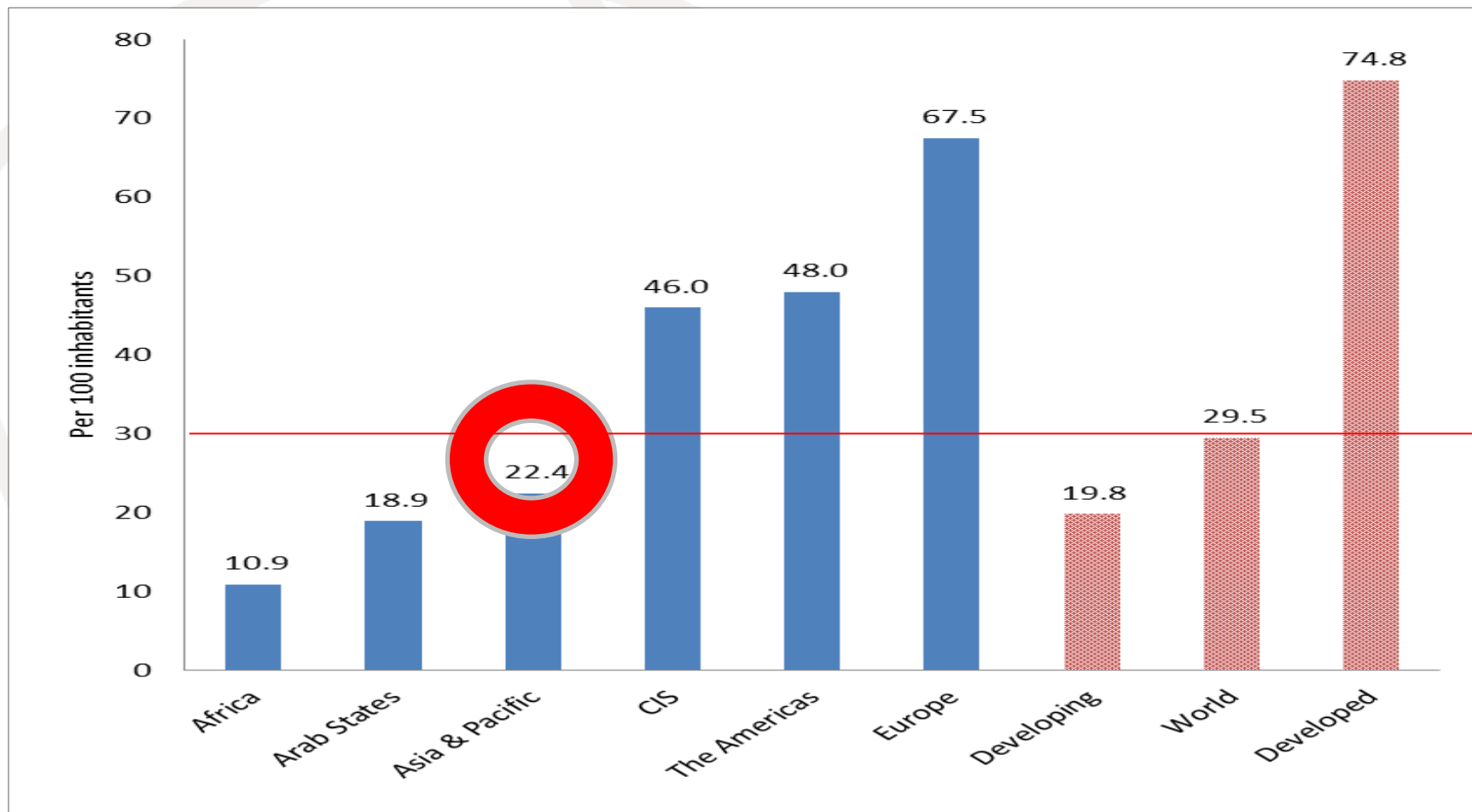
18 November 2013
Bangkok, Thailand



Why Connect Asia-Pacific Summit ?



= DIGITAL GAP !



**Active ICT/mobile-broadband
subscriptions, penetration (2013)**



Why connect Asia-Pacific Summit ?

= High POTENTIAL !

More than 2 billion subscriptions worldwide by end 2013*

Americas

460 million subscriptions

48% penetration

28% CAGR (2010-2013)

Europe

422 million subscriptions

68% penetration

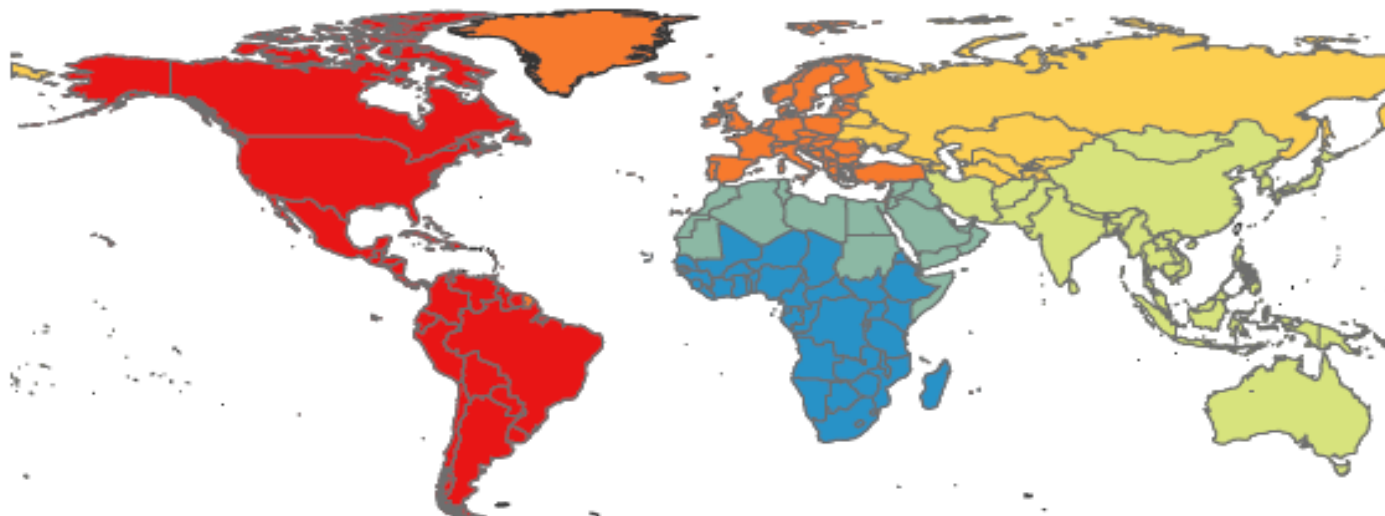
33% CAGR (2010-2013)

CIS

129 million subscriptions

48% penetration

27% CAGR (2010-2013)



Arab States

71 million subscriptions

19% penetration

55% CAGR (2010-2013)

Africa

93 million subscriptions

11% penetration

82% CAGR (2010-2013)

Asia-Pacific

895 million subscriptions

22% penetration

45% CAGR (2010-2013)

Source: ITU World Telecommunication (ICT Indicators database)
Note: † Estimate

What are the Expected Results ?



- ✓ **Leaders' Vision**
 - ✓ **Communique**
 - ✓ **Multistakeholder Partnership Projects**
 - ✓ **Networking Platform**
-

SMART Partnerships !



- ✓ ITU-MCMC/Malaysia Partnership: “Contest on Promoting Transformational Power of Broadband ” – **Already launched and under the competition !**
- ✓ ITU-Multi Partnership: “International ICT Volunteers” – **Already on trials !**
- ✓ ITU-GSMA Partnership: “M-powering through mobile broadband”
- ✓ ITU-Intel Partnership: “Localizing ICT applications”
- ✓ ITU-WHO Partnership: “E-Health Opportunities: Leveraging ICTs in Asia-Pacific”
- ✓ **ITU-APNIC Partnership: “IPv6 deployment”**
- ✓ ITU-ABU-NBTC Partnership: “Broadcasting & Media Innovation Awards” and more !
- ✓ ITU-ESCAP Partnership: “Interactive Map”& “Disaster Communications”
- ✓ ITU-ADB Partnership: “ICT Development for Asia-Pacific Region”
- ✓ Many more under the progresses from the Asia-Pacific & Beyond !

Welcome you all with creative and smart partnership !!

Who Will Be at Summit ?



- ✓ **Heads of States/Governments**
 - ✓ **Ministers**
 - ✓ **Chief Executive Officers and Top Industry Decision Makers**
 - ✓ **Heads of Regulatory Agencies**
 - ✓ **Top UN Officials**
 - ✓ **Heads of Regional and International Development Organizations**
 - ✓ **Leaders of Regional and International Financial Institutions**
 - ✓ **Prominent Academics and Industry Analysts**
- And YOU !**
-

Why Participate at the Summit ?



- ✓ Envision and shape over-the-horizon policies !
- ✓ Share how leaders are tackling head-on the problems of connectivity, youth unemployment, entrepreneurship, innovation, creativity and more !
- ✓ Network in a privileged environment of leaders and industry experts !
- ✓ Forge Smart Public-Private-Peoples' Partnerships !
- ✓ Engage & contribute to the decision, commitments, & Actions to realize the ***Asia-Pacific Smartly DIGITAL 2020 !***

Preparatory Meeting for Connect Asia-Pacific Summit



Asia-Pacific:

Smartly DIGITAL 2020

This Preparatory Meeting is critical to review the progress of its preparation for the Vision Statement by the Leaders, Summit Communique, and preparing for ministerial roundtable, multi-stakeholder partnership announcement offering a platform to envision the Asia-Pacific 2020 for smartly DIGITAL society.

23-24 September 2013

Bangkok, Thailand

Partnership Opportunities

This Meeting would provide

- 1) comprehensive mid-term review of the implementation status of the Broadband Plans & Policies, and
- 2) partnership opportunities for investments in the deployment of critical national & regional ICT/Broadband infrastructure and creative & innovative ICT applications

for ALL.

25-26 September 2013

Bangkok, Thailand

TELECOM World 2013





conversation that matters

ITU TELECOM World 2013

to make a difference in the world

**ITU TELECOM World 2013 is
a unique and essential conversation.**

Debating policies, strategies, markets and models.

Understanding the radical transformation of the ICT industry.

Exploring collaboration across sectors and borders.

Essential to drive industry success and
address critical world socio-economic challenges

19 to 22 November 2013, Bangkok

Hosted by the Government of the Kingdom of Thailand

Key Conversations

- Forum Panel Sessions
- Co-hosted Sessions
- Ministerial Roundtables
- Visionary Keynotes
- Big Conversations
- Meet-a-leader Sessions
- Sponsored Sessions
- Workshops



Key topics

Changing user behaviour

as people increasingly interact and communicate through social media and data apps rather than voice or face-to-face.

Shifting industry dynamics

as new, web-based companies compete with telcos and flourish playing by different rules.

Growing importance of the **Internet of Things and M2M** communication revolutionizing collection, analysis and distribution of data to empower people the world over.

Event theme: **Embracing Change in a Digital World**

New technologies

such as halo nets, embedded WiFi chips and unlimited, low cost processing and storage are creating a singularity, where human life will be irreversibly transformed.

The need for **new standardization and regulatory approaches** to allow for the evolving realities of new players, markets and technologies.

Looking forward to working with you and welcoming you in
Connect Asia-Pacific Summit and **TELECOM WORLD 2013**

2013



Join us in Bangkok to continue the conversation that matters



world2013.itu.int

while building new and strengthening existing partnerships

Thank



ITU : <http://www.itu.int>

ITU Asia Pacific : <http://www.itu.int/ITU-D/asp/CMS/index.asp>

