CNNIC's Experience on Inter- ccTLD Cooperation

Dr. Liyun HAN @ CNNIC

Feb 2015

Introduction of our Work

Promoting Inter-ccTLD Cooperation

Building Future Partnership

Introduction of our Work

CNNIC Functionalities

CNNIC's responsibility as tradition ccTLD

Operation, Administration and Service organization of national network fundamental resources

Research, Development and Security center of national network fundamental resources

Research and consulting services driving force for Internet development

Platform for Internet open cooperation and technical exchange

CNNIC's position in NewG and IG era

Secure and reliable platform for gTLD registries, especially for IDN registries

National policy and research hub for the industry and the community

International cooperation platform to building an inclusive IG ecosystem

The Growing Market of China

"35th Statistical Report on Internet Development in China
- 20.60 millions domain names in total in Chinese market
- 11.09 millions .CN, 53.8%+ of the market

----Dec 2014

Netizen Number — 649million

Mobile Phone Netizen — 557million

Rural Netizen — 178Million 27.5%

Online Purchasing Customers — 361Million

Instant Message Users — 5.87Million
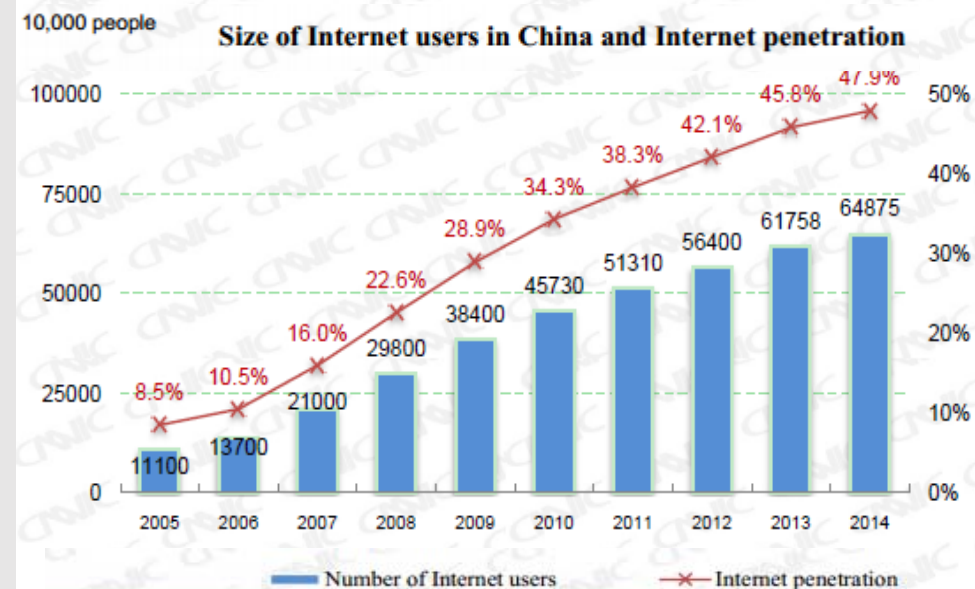
Number of Domain Name — 20.6Million

IPv6 Address — 18797/32

Number of Website — 3.35Million

Size of Internet users in China and Internet penetration

10,000 people

Year	Number of Internet users	Internet penetration
2005	11100	8.5%
2006	13700	10.5%
2007	21000	16.0%
2008	29800	22.6%
2009	38400	28.9%
2010	45730	34.3%
2011	51310	38.3%
2012	56400	42.1%
2013	61758	45.8%
2014	64875	47.9%

Popularity of urban and rural internet users

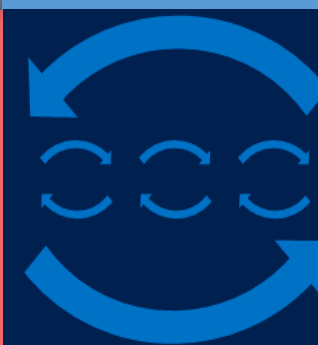| Year	Rural	Urban
2007	7.4%	26.0%
2008	12.3%	33.9%
2009	15.5%	43.0%
2010	18.6%	49.6%
2011	20.7%	54.6%
2012	24.2%	57.4%
2013	28.1%	60.3%
2014	28.8%	62.8%

CNNIC
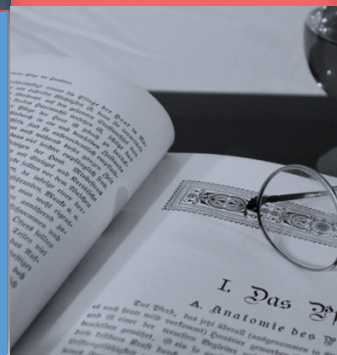Roles & Responsibilities

A link from China to the World
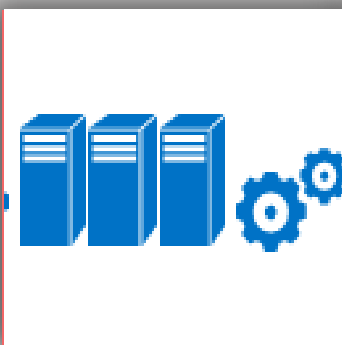
Registry of .CN

Platform of Cooperation

Institute of Internet Governance Research
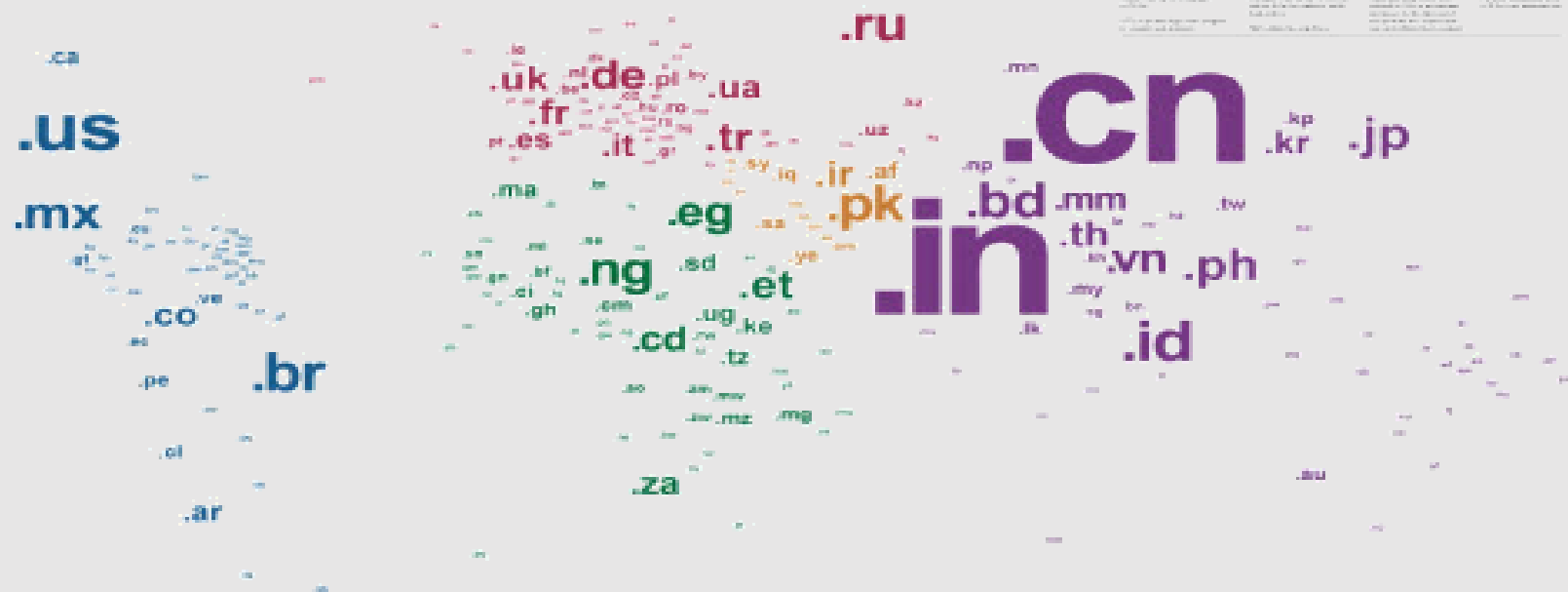
Promoting Inter-ccTLD Cooperation

Construc tors

Operators

Administ rators

Country Codes of the World

.ca
.us
.mx
.co
.br
.pe
.cl
.ar
.uk .de .ua
.fr .no
.es .it .tr
.ma
.ng .sd
.cd
.tz
.za
.mz .mg
.ru
.pl
.uz
.sy .iq .ir .af
.ye
.eg .pk
.in
.bd .mm
.th
.vn .ph
.my
.id
.cn .kp .kr .jp
.mn
.tw
.bw

▪ The ccTLD is the essential component of the internet infrastructure.
▪ The registries of ccTLD share common interests in Internet construction, operation and administration.

CNNIC consistently attaches great importance to the cooperation with other ccTLD operators so as to enhance the inter-regional connectivity.

Strategic partnership

Facility Sharing

Joint Lab

Researcher Exchange

Co-host Events

Capacity Building

EXPANDING CONNECTIVITY

cn

Country Code TLDs

Enjoy a whole new world of prestige, identity and reach!

To development of Internet address technologies

- Mutual collaboration in ensuring stability and security of DNS server operation for Top Level Domains (TLDs)
- Sharing and exchanges of goods and practices in the areas of CCTLD management and development of respective products
- Established the joint research laboratories
- Node exchange

To promote new Internet address service

- Promoting IDNs globally
- Co-research into, and testing for, Email Address Internationalization (EAI) service deployment

To ensure safety in the country-code top-level domains' operations

- Joint development and dissemination of advanced technologies to combat malware;

To Enhance the relationship between the Parties

- Holding on a regular basis mutual study visits, joint workshops, etc.;
- Conduct of staff exchange programs.

SGNIC

.RU ccTLD

KRNIC

DENIC

PANDI

CNNIC

NOMI NET

Yemen Net

TWNIC

ZADNA

LAONIC

Jordan NICT
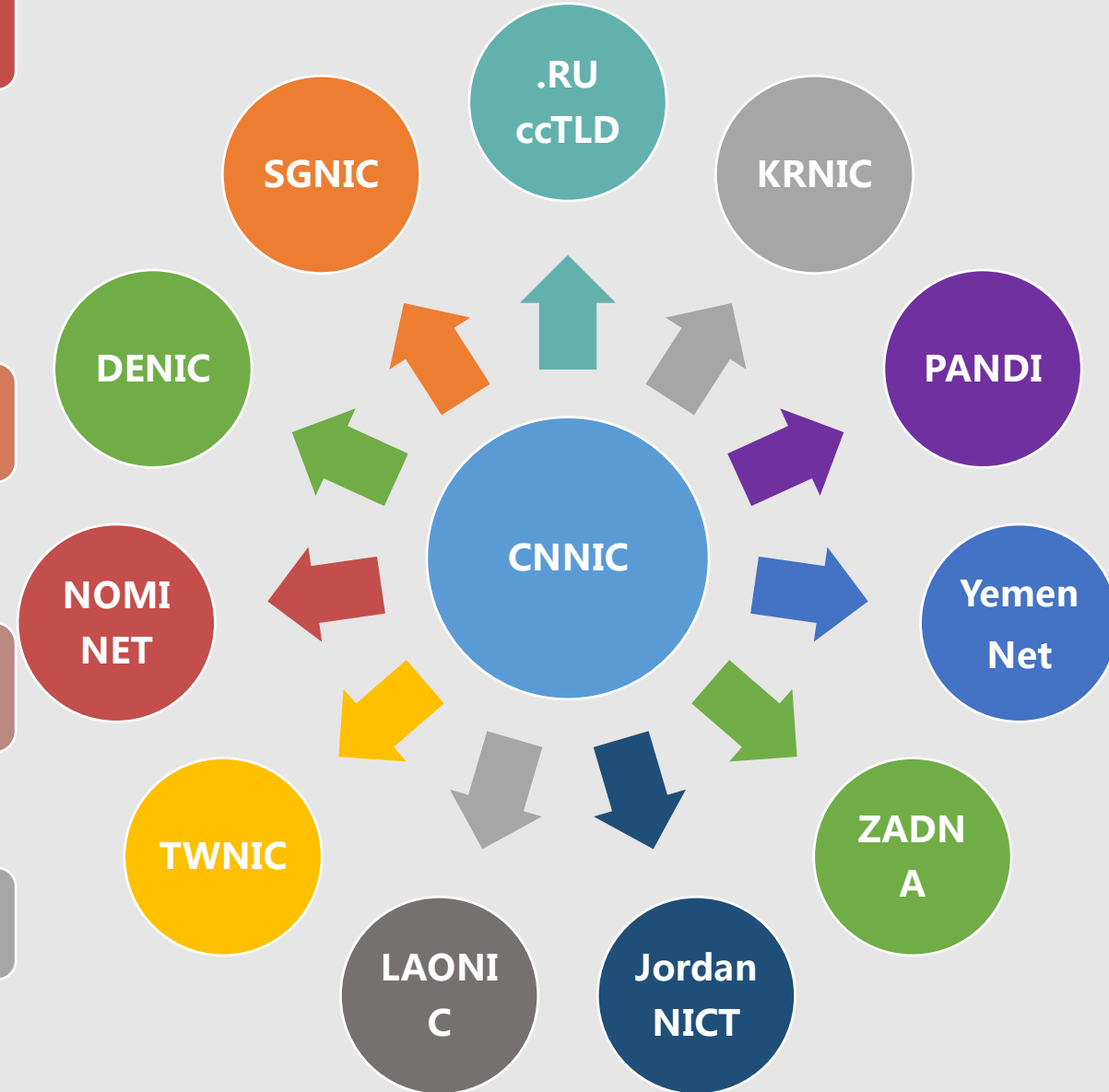
1st China-Southeast Capacity Building Cooperation Program

2nd China-Southeast Capacity Building Cooperation Program

WSIS+10 Workshop The New Concept of Capacity Building
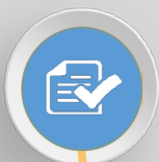
WIC WUZHEN Summit

May. 2013
@Beijing

Apr. 2014
@Yangzhou

Sep. 2014
@ Istanbul

Nov. 2014
@Wuzhen

May. 2012
@Kunming

Aug.2014
@Beijing

Sep. 2014
@ Geneva

Nov. 2014
@ Wuzhen

CNNIC-KRNIC Strategic Partnership MOU Signing

APEC Funding Program-Capacity Building Cooperation Program of ICT

IGF Workshop Improving the IG Architecture to Drive Consumer Trust

CNNIC-.RU ccTLD Strategic Partnership MOU Signing

@2012
CNNIC-LAONIC Training

@2013
Capacity Building Program

@2013
CNNIC-KISA Partnership

@2013
CNNIC- .RU ccTLD Partnership
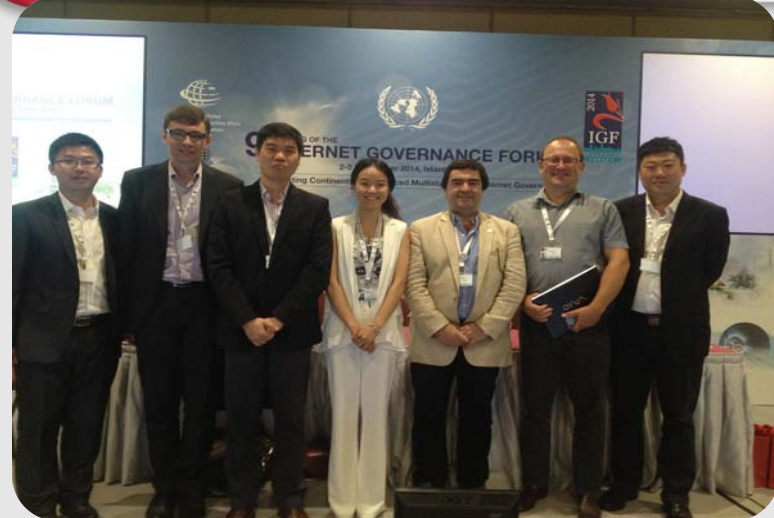
@2014
IGF Workshop

@2014
Wuzhen Summit
IG High-level Panel

@2014
WSIS Workshop

Building Future Partnership

1 **Technology Research**

- DNS tools
- Internet security tools
- DNSSEC, IPv6 and DANE
- IDN Deployment
- Anycasting node exchange

2 **Marketing**

- Chinese Registrar Gateway
- Universal Acceptance of IDNs
- Co-organize marketing events

3 **Internet Governance**

- International conferences
- Chinese policy compliance collaboration
- International research cooperation
- Capacity Building program

4 **Product and Facility Exchange**

- Infrastructure developing
- Talent training
- Capacity building
- Ecosystem harmonization

For partnership opportunities, conference participation and MoU signing, please contact us via the following email.

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Thanks