

# Internet Governance for Sustainable Development

-----CNNIC in China, more than a ccTLD registry

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# Internet in China---contribution to the world

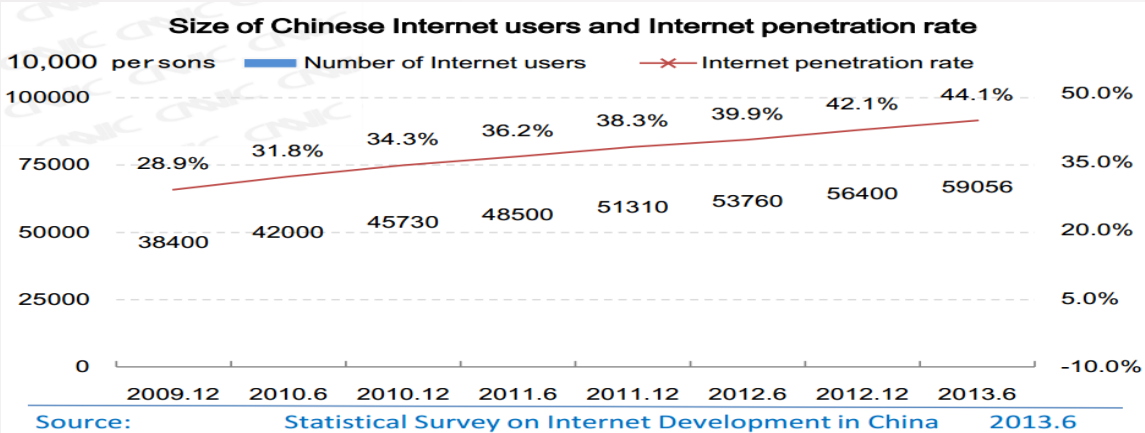


Figure 1. Size of Chinese Internet users and Internet penetration rate

- 18.44 millions domain names in total in Chinese market
  - 10.83 millions .CN, 50%+ of the market
- Dec 2013

Netizen  
Number &  
Popularity

0.62Billion  
45.8%

Mobile  
Phone  
Netizen

0.5Billion

Number of  
Domain  
Name

18.4Million

Number of  
Website

3.2Million

Online  
Purchasing  
Customers

0.3Billion

Internet of  
Things  
Market  
Scale

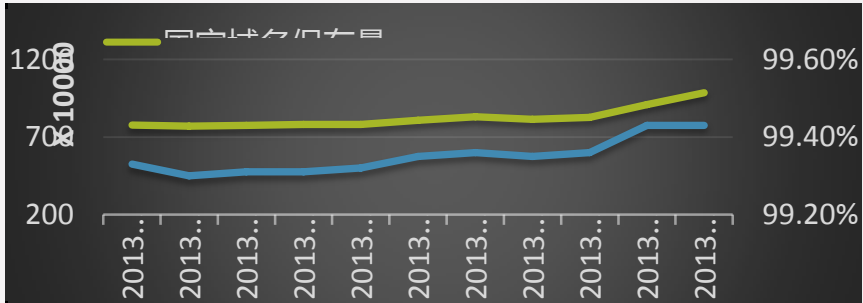
489.6Billion

IoT  
Industry  
Scale in  
2015

500Billion

Quarterly  
Volume of  
Online  
Purchasing

34.8Billion



Tendency Chart of .CN

Registration Volume and the Real Name Rate

- ❑ IPv4 Address allocated by CNNIC: 74.17million ( 4.42A ) , ranking the second in China.
- ❑ IPv6 Address allocated by CNNIC: 4319/32, ranking the first in China
- ❑ AS Number Assigned by CNNIC: 601, ranking first in China.

# Seven principles of Internet Governance from China

Minister Lu Wei  
of China's Cyberspace  
Affairs Administration



the Internet should be for the benefit of all mankind, to bring well-being of people around the world, rather than harm

the Internet should be brought to the States peace and security, and be weapon;

the Internet should be more of interests of developing countries

the Internet should be for civilizations and integrity, and not full of rumors and fraud

the Internet should pass positive energy, inherit and carry forward the excellent culture of mankind

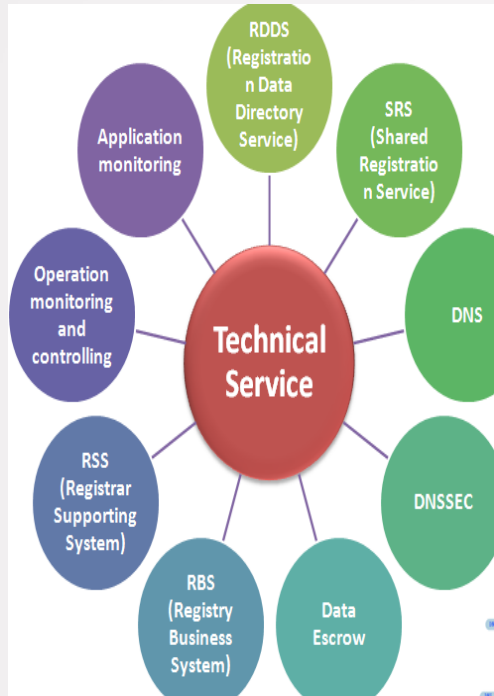
the Internet should focus on protecting the legitimate rights and interests of citizens, and is not for criminal activity, or a tool to carry out terrorist activities

Internet should contribute to healthy growth of youth, as it relates to the future of mankind.

# Development and cooperation is the goal of Internet governance principles



# CNNIC plays more than one role in Chinese Internet Ecosystem



ccTLD Registry  
of .CN



Platform of  
cooperation in China



A Link from China to  
the world

## Registry of .CN

- 10.58 million .CN
- IDN, IP, DNSSEC, 30 nodes, Anti-DDOS, etc
- Cloud computing, IOT

## Platform of Cooperation

- Internet governance research
- Domestic business platform
- Non-profit activities

## A Link from China to the world

- Chinese Internet industry
- I\* organizations
- Global Internet industry
- Regional organizations
- Developing countries

# Responsibilities of CNNIC as a ccTLD registry in China

## **Symbolic representation of China and Chinese in the Internet**

- .CN directly indicates China
- “中国” is for global Chinese language users

## **Public trust**

- 10.58 million .CN users' trust
- High level of service level is the key
- National authoritative Internet statistics report

## **Foundation of the Internet of China**

- Maintain a stable and secure DNS system for the Internet of China
- Fast development steps supporting the fast development of the Chinese economy

## **Non-profit development strategy**

- Investment to poor areas
- education of using Internet

## **Technology and research**

- IDN and IDN email for Chinese language users
- Anti-DDOS attack, DNSSEC, and etc.
- cloud service, IOT

## **Capacity building**

- Build DNS systems for other gTLD registries in China
- Training program development

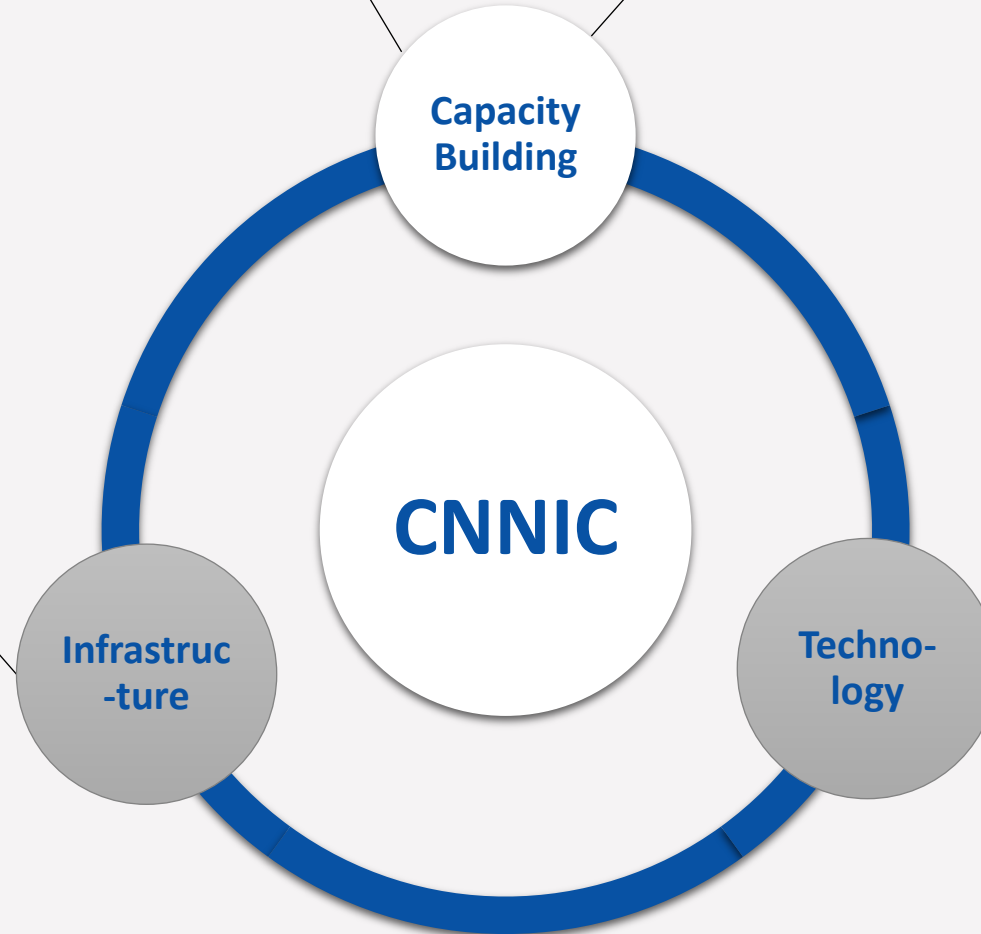
## **International cooperation**

- Share domestic and International channels for cooperation

# Capacity Building – Keep Internet ecosystem open and reciprocal



- ❑ 30 global nodes in national top level domain
- ❑ Domain name and IP address operation management platform
- ❑ Domain emergency security protection platform
- ❑ Internet monitoring and data analysis platform
- ❑ Established three big data centers
- ❑ The only EBERO agent in Asia-Pacific
- ❑ One of the only two DATA ESCROWS in Asia-Pacific



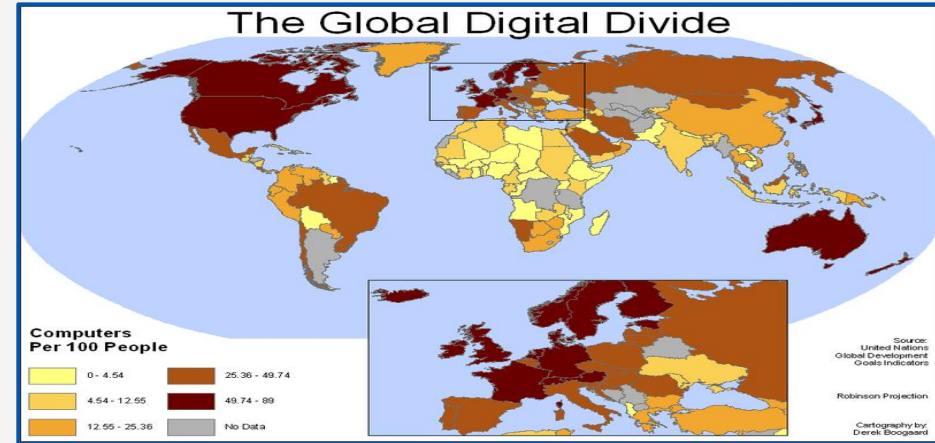
- ❑ IDN: launched Chinese Character Table, participated in RFC 3743 and RFC 4713.
- ❑ Published 2 EAI related standards
- ❑ International Standard-Setting with TWNIC, HK, etc.
- ❑ Participate in BIND 10 development
- ❑ New gTLD with service of application, consulting & Back-end, Tech support, Back-end registry
- ❑ WHOIS next generation protocol — WEIRDS in ICANN

# We invite you to join us!

## Joint Work with Our Friends



## How to Join Us



As  
participants  
or  
co-sponsors

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# Thank you