Welcome to 2013
Beijing ICANN46

Chinese Experience, Serve Globe

Dr. Sun, Xiantang

Toronto, 2012

中国互联网络信息中心
CHINA INTERNET NETWORK INFORMATION CENTER

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Content

- Internet Development in China
- Introduction of CNNIC
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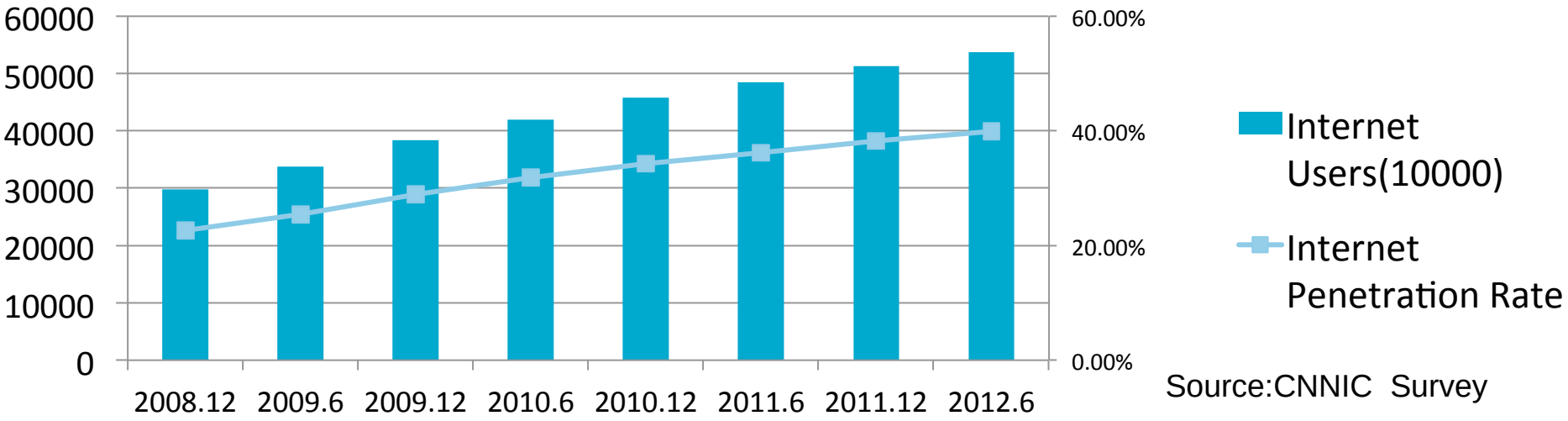
The world's largest Internet population

The Internet Penetration In China Mainland



Source:CNNIC Survey

- Currently 600 million users
- 98.1% have broadband access
- National strategy plan of promoting IPv6 and fiber broadband, aiming at covering entire China in 5 years

The market is large!!

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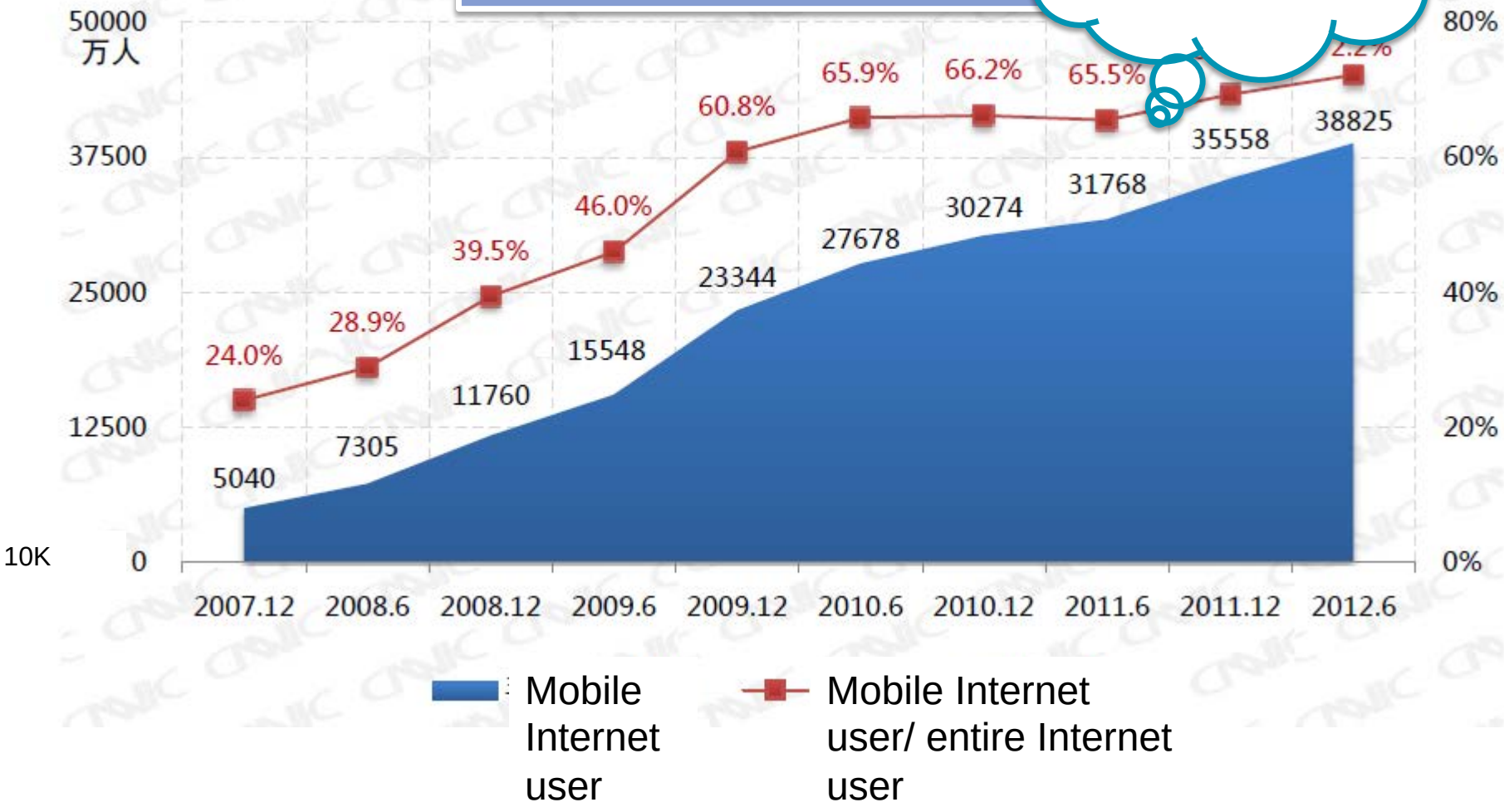
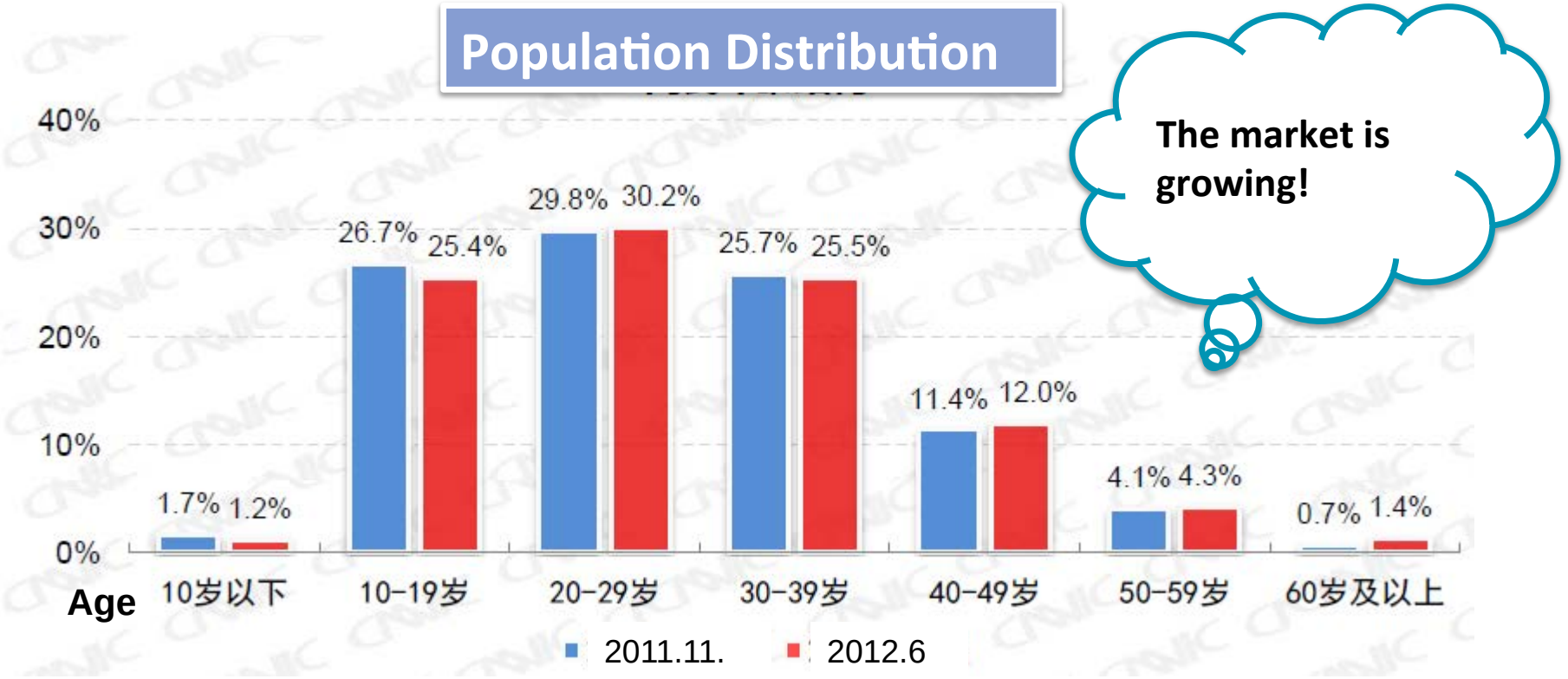
Mobile Internet User Stat

The market is mobilized!



Population Distribution



The market is growing!

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The market has potential

Websites in China

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How we use the Internet

The market is diverse!!

Utilization Rate of Network Application by Chinese Netizens(D							
	June.2012		December.2011				
Application	User Scale(10 thousand)	Netizen Utilization Rate	User Scale(10 thousand)	Netizen Utilization Rate	owth Rate in half a year		
Instant Communication	**44514.9**	**82.8%**	**41509.8**	**80.9%**	**7.2%**		
Search Engine	42860.5	79.7%	40740.1	79.4%	5.2%		
Network Music	41060.0	76.4%	38585.1	75.2%	6.4%		
Network News	39231.7	73.0%	36686.7	71.5%	6.9%		
Blog/Personal Net Space	35331.3	65.7%	31863.5	62.1%	10.9%		
Network Video	34999.5	65.1%	32530.5	63.4%	7.6%		
Network Games	**33105.3**	**61.6%**	**32427.9**	**63.2%**	**2.1%**		
Microblog	**27364.5**	**50.9%**	**24988.0**	**48.7%**	**9.5%**		
E-mail	25842.8	48.1%	24577.7	47.9%	5.1%		

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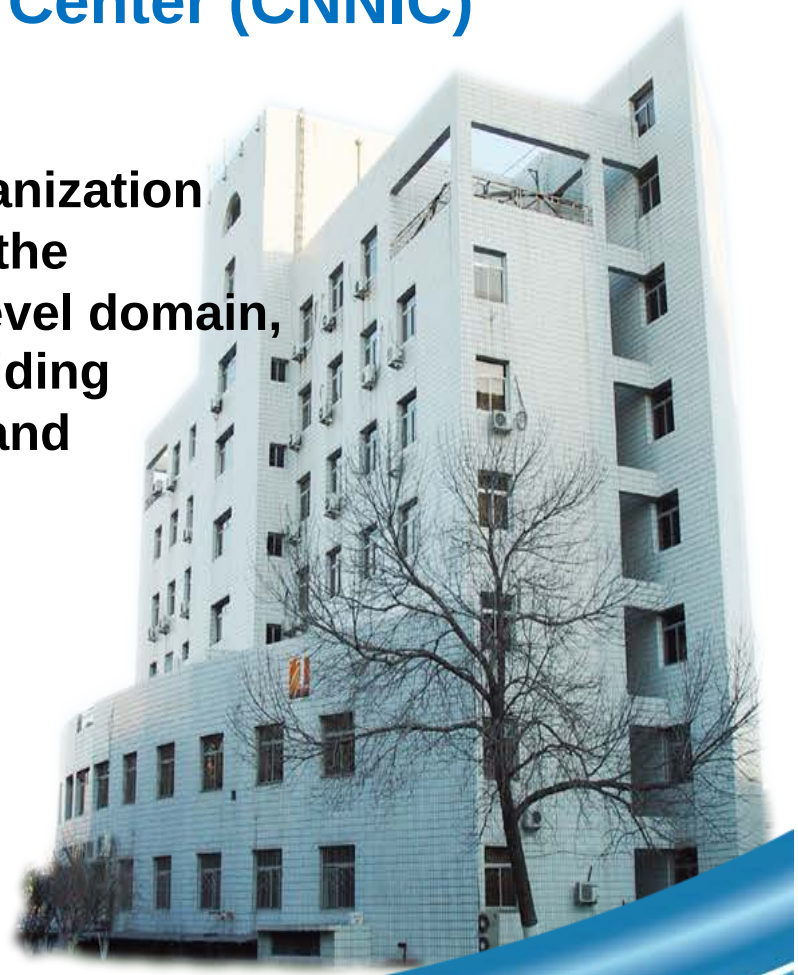
China Internet Network Information Center (CNNIC)

CNNIC is China's management agency of domain name registration and operating organization of domain name root server, responsible for the operation and management of national top-level domain, CN, and Chinese domain name system, providing unremitting domain name registration, DNS and WHOIS query service etc for global user.



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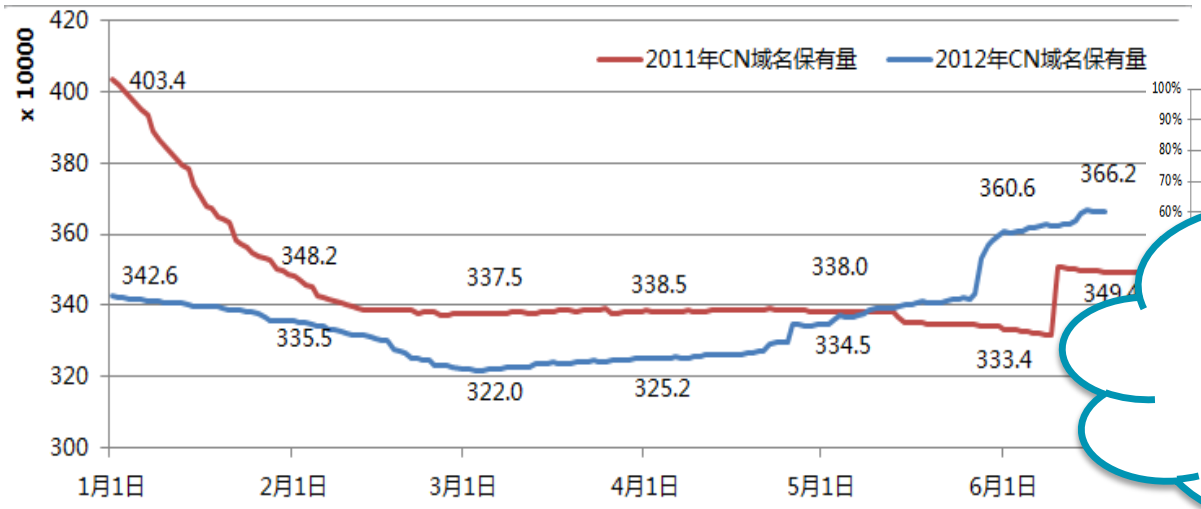
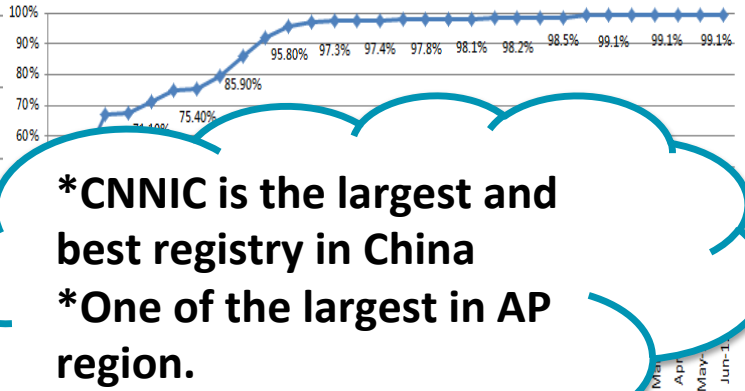
Domain Name Registration



Real Name Rate



***CNNIC is the largest and best registry in China**
***One of the largest in AP region.**

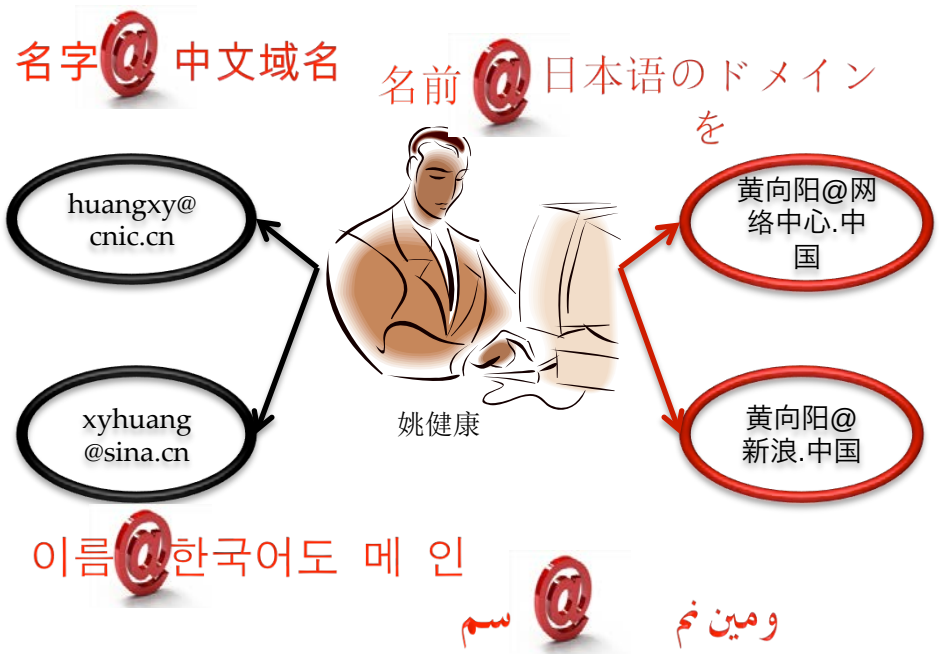
ccTLD Registry

- CN and 中国/中國
- **3,984,188** CN names
- **311,399** IDN names
- Real name ratio **99.11%**

Registrars

- Asia, Euro, North America, Australia
- **91** registrars
  - **69** domestic
  - **22** oversea

Chinese Email Address



IDN & EAI

- 2000, begin Chinese domain name registration trial
- 2002, propose the solution to simplified Chinese and traditional Chinese equivalent
- 2004, begin Chinese Email address implementation trial
- 2006, push IETF to form EAI WG
- 2012, RFC about SMTP extension to support EAI is published by IETF

The world's first email with "Internationalized Email address" has been sent from CAS on June 19, made an effective breakthrough to step over the gap that the fundamental Internet applications adopt English only.

100.00%

Registration, resolution and Whois services for .CN and .中国 domain names maintain a SLA availability rate as high as 100% for three consecutive years.

30

Root server mirror of .CN and .中国 domain names adopts the policy of global deployment, by 2012, 30 top-level nodes have been deployed.

CNNIC is developing fast, aiming at 100 top-level nodes by 2014.

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CNNIC provides safe and stable service

0.29%	99.11%
Phishing websites with .CN domain name account for only 0.29%. .CN domain name is the most secure and reliable top-level domain name.	**Verification of .CN and .中国domain names has mounted to 99.11%.**

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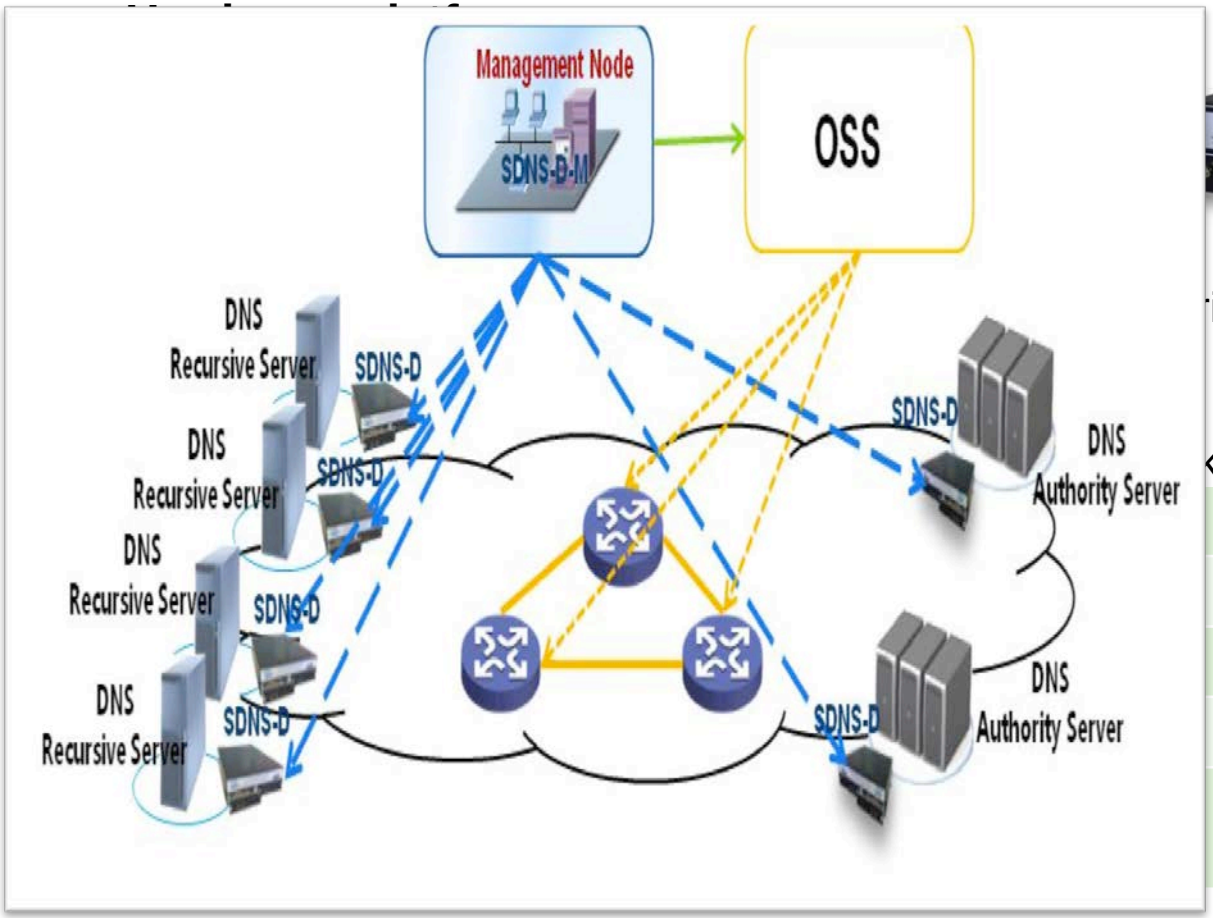
SDNS-D （Anti-DDOS Equipment）

With high-speed parallel processing capacity of FPGA （ Field—Programmable Gate Array ） using Reconfigurable Computing technology, develop high-performance anti-attack Devices.



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THE GREAT WALL

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THE SUMMER PALACE

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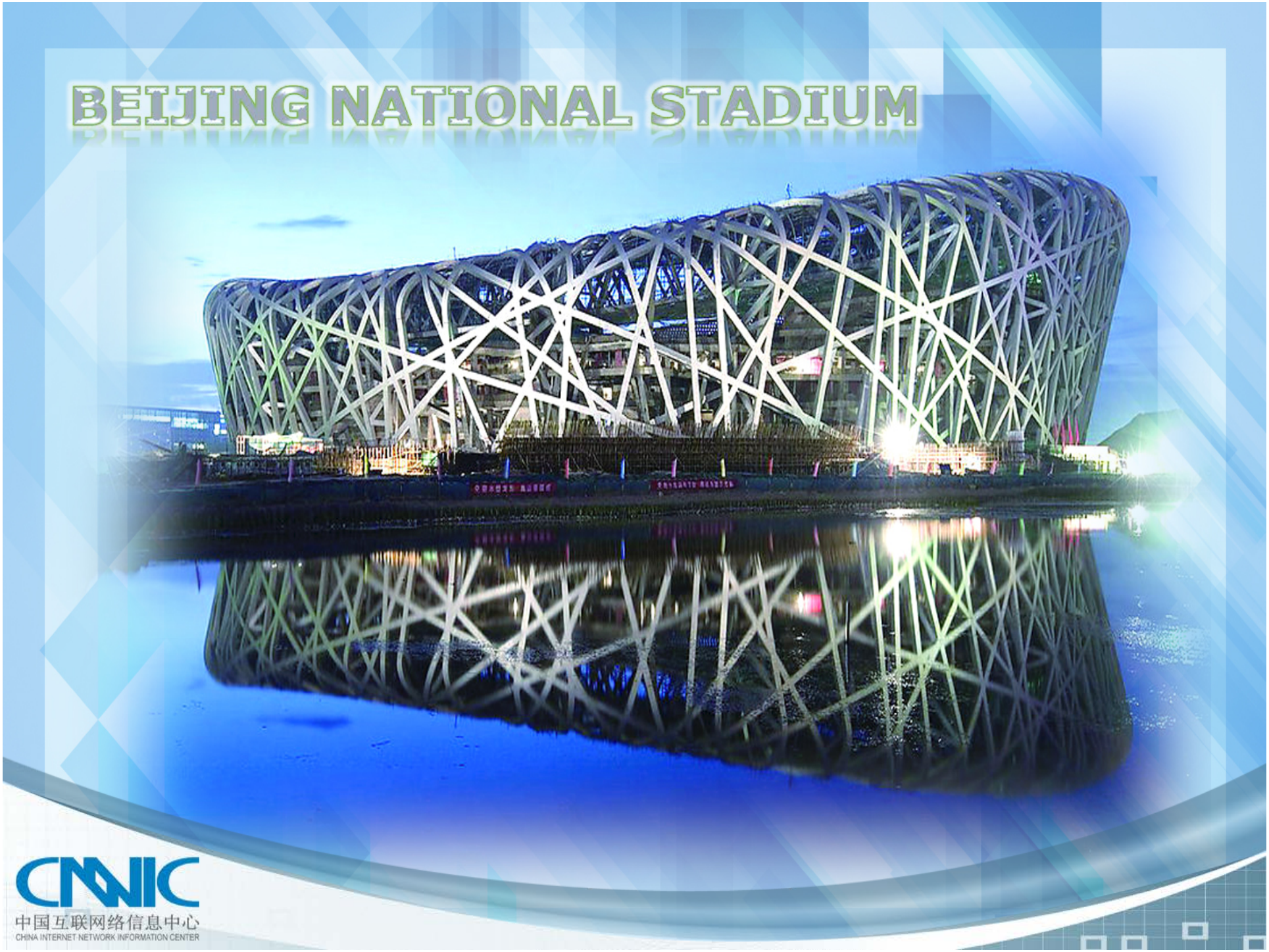
BEIJING NATIONAL STADIUM



CNNIC
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NATIONAL CENTRE FOR THE PERFORMING ART

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THE BEIJING OPERA

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THE CHINESE TRADITIONAL DANCE

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BEIJING HUTONG

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RELAXING TIME IN BEIJING

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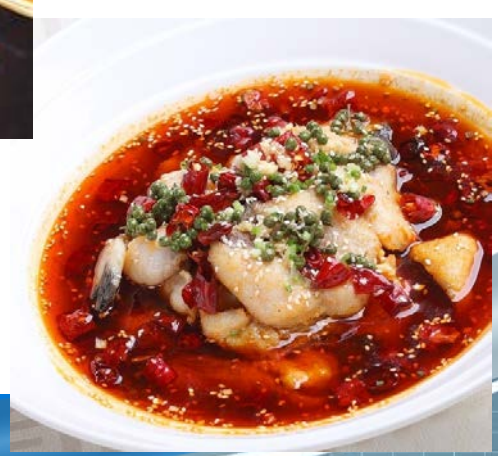
FOOD IN BEIJING



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ART OF TEA

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中国信息社会重要的基础设施建设者、运行者和管理者

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