

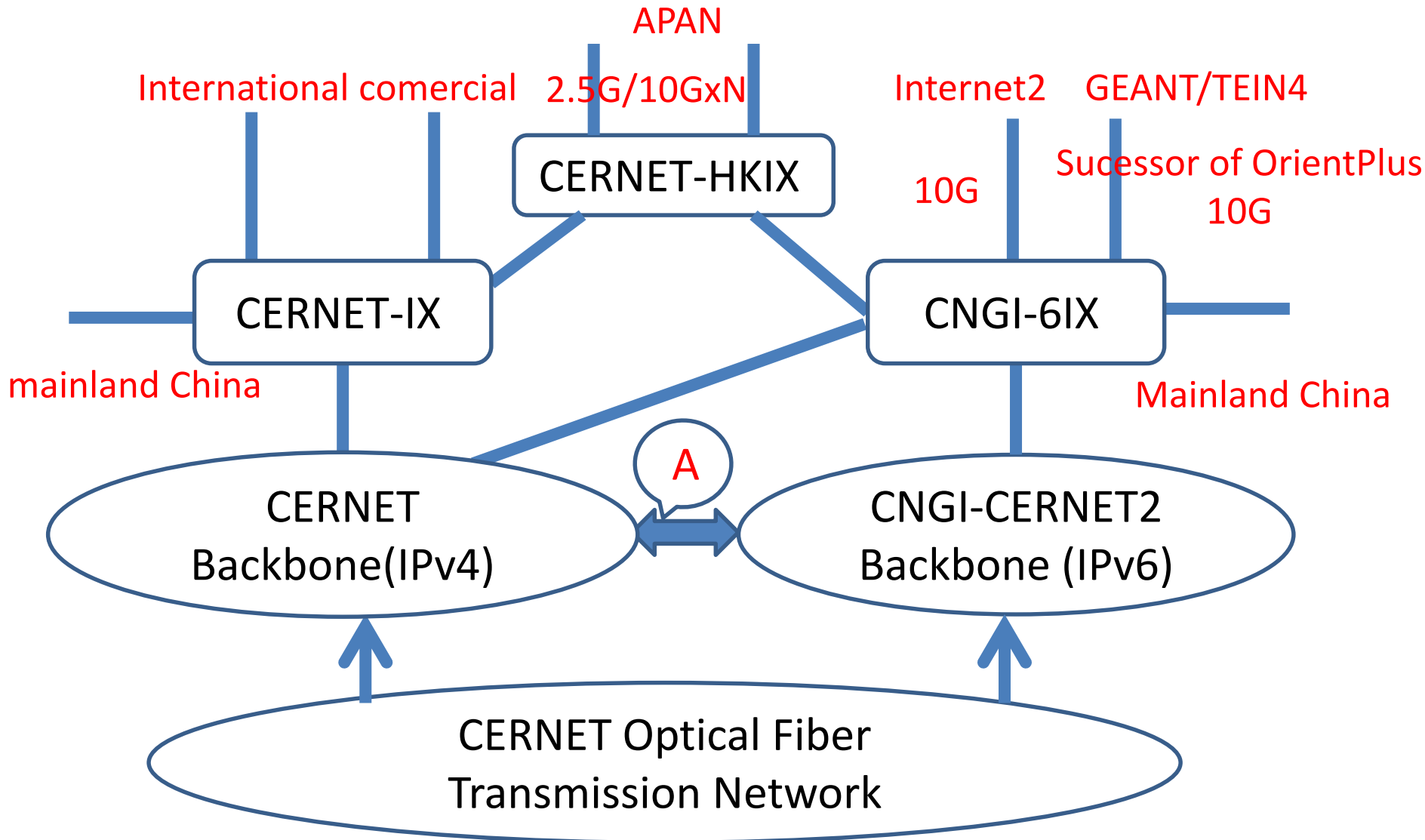
# CERNET/CERNET2 Updates

Jilong Wang

CERNET

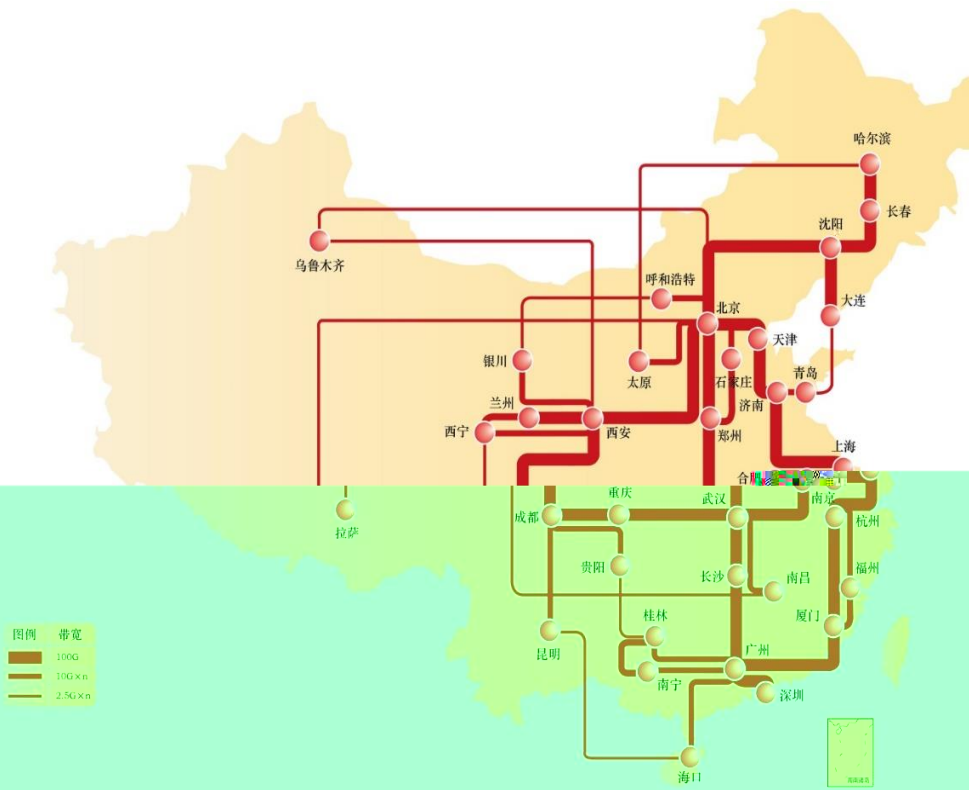
Feb.13, 2017

# CERNET Overall Structure





# CERNET: biggest NREN in China



- 36 PoPs (**23 100G PoPs**) in 36 cities in mainland China and 1 POP in HK and 1 POP in LA
- covered 31 provinces over 200 cities over **2600(2300 in 2015) universities and institutes** over 25M users

CERNET IPv4 Backbone in 2016

# CNGI CERNET2 IPv6 Backbone



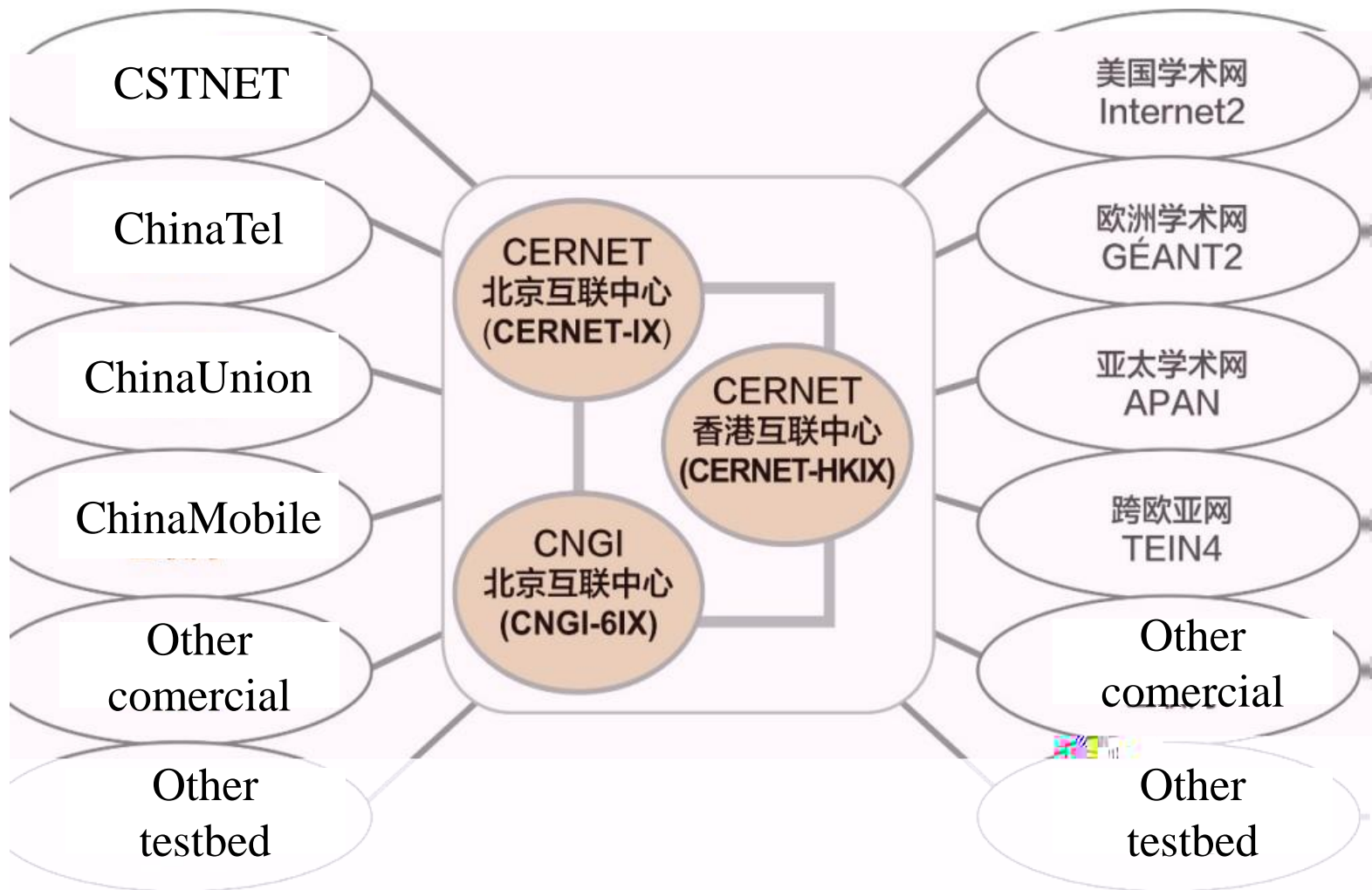
- Pure IPv6 Backbone
- 25 PoPs in 20 cities
- Bandwidth 2.5G -10G
- cover 600 universities and institutes, 5M end users
- Expect a major updates(phase 2) in 2017

CERNET2 Pure IPv6 Backbone in 2016

# CERNET/CNGI Exchange Point

58G Domestic

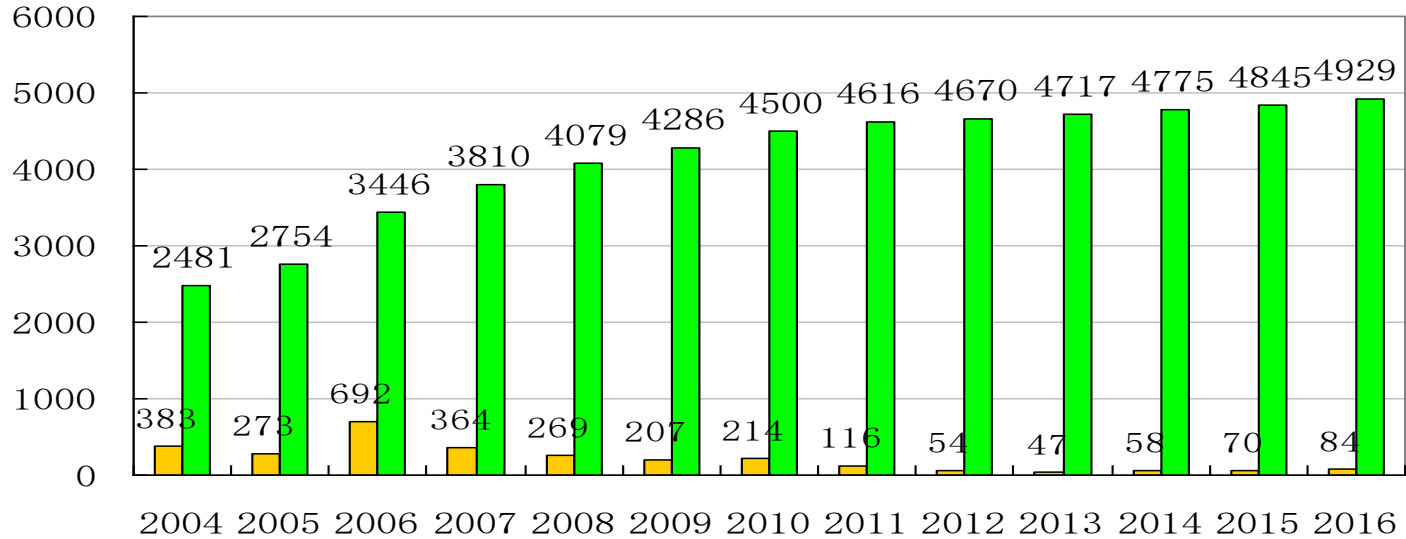
43G International



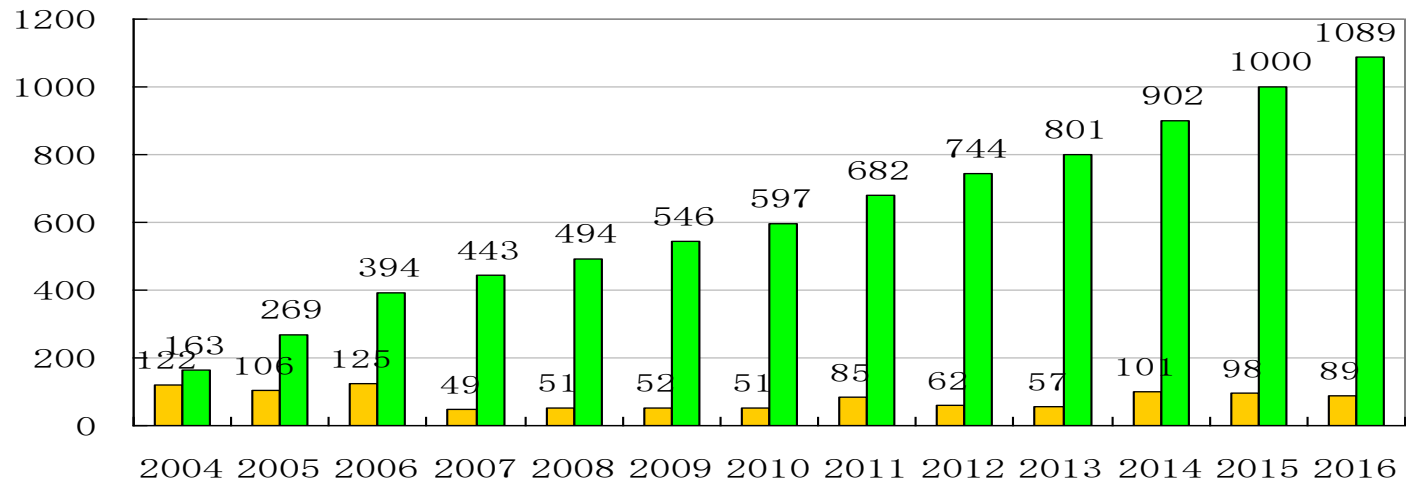
# China Future Internet Testbed

Under construction   software-  
defined, new architecture, AI?

# IP Assignments



■ IPv4 assignments yearly ■ IPv4 assignments totally



■ IPv6 assignments yearly ■ IPv6 assignments totally



Thanks!