CNNIC UPDATE

Zhen Yu

NIR SIG, APNIC 48, Chiang Mai
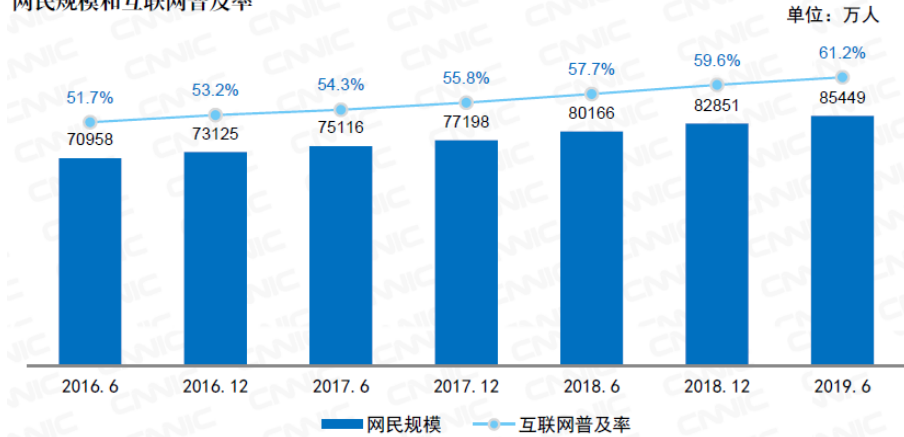
Internet development in China

Membership growth

IP/AS allocation

2019 IP Alliance Conference

Training program

Service Upgrade
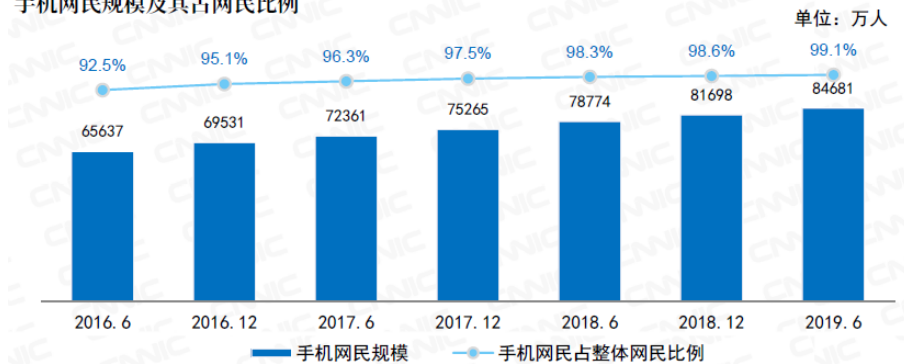
IPv6 Deployment in China

Internet development in China

■**2019.8《 The 44th China Statistical Report on Internet Developmnet》by CNNIC**

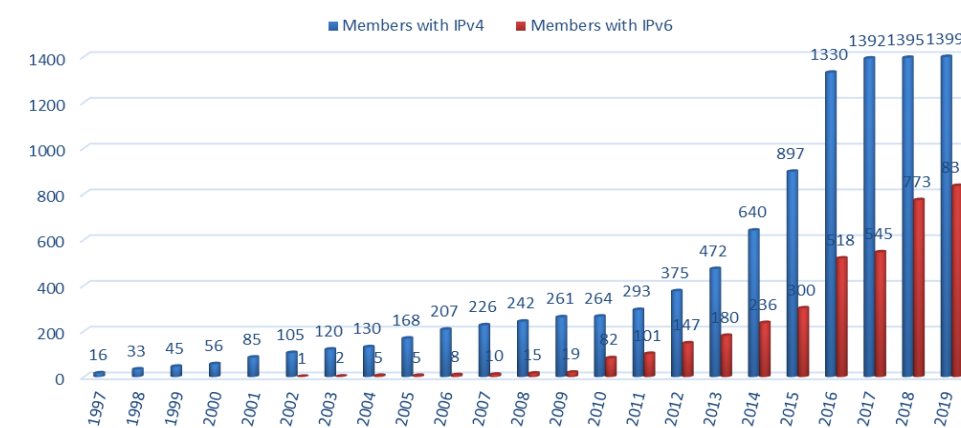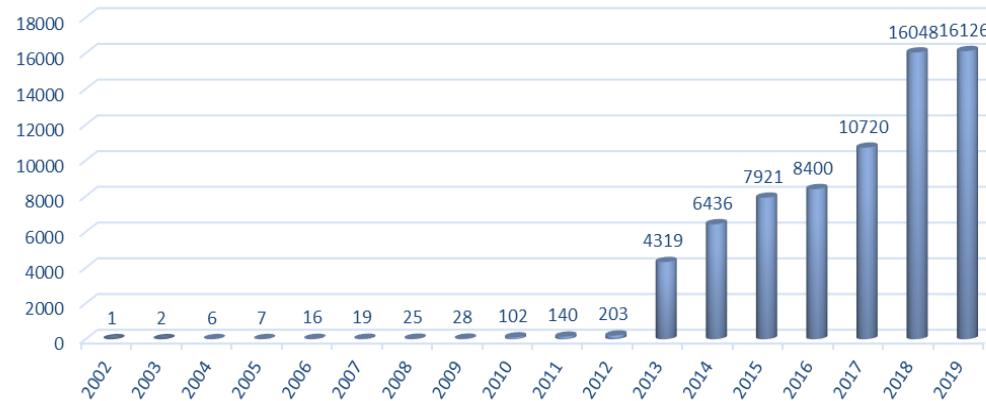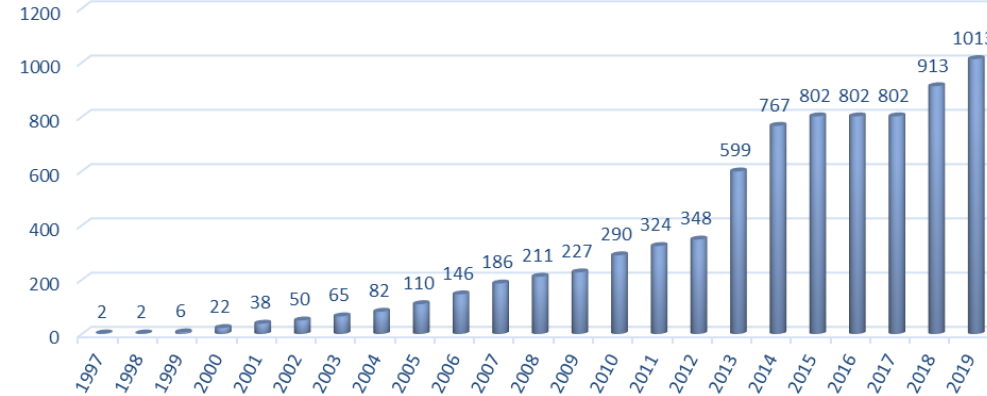■**Internet users 854 million, Internet penetration rate 61%**

■**Mobile Internet users 847 million, 99% of the total Internet users**

■ **1,399 CNNIC IP members, by the end of August 2019**
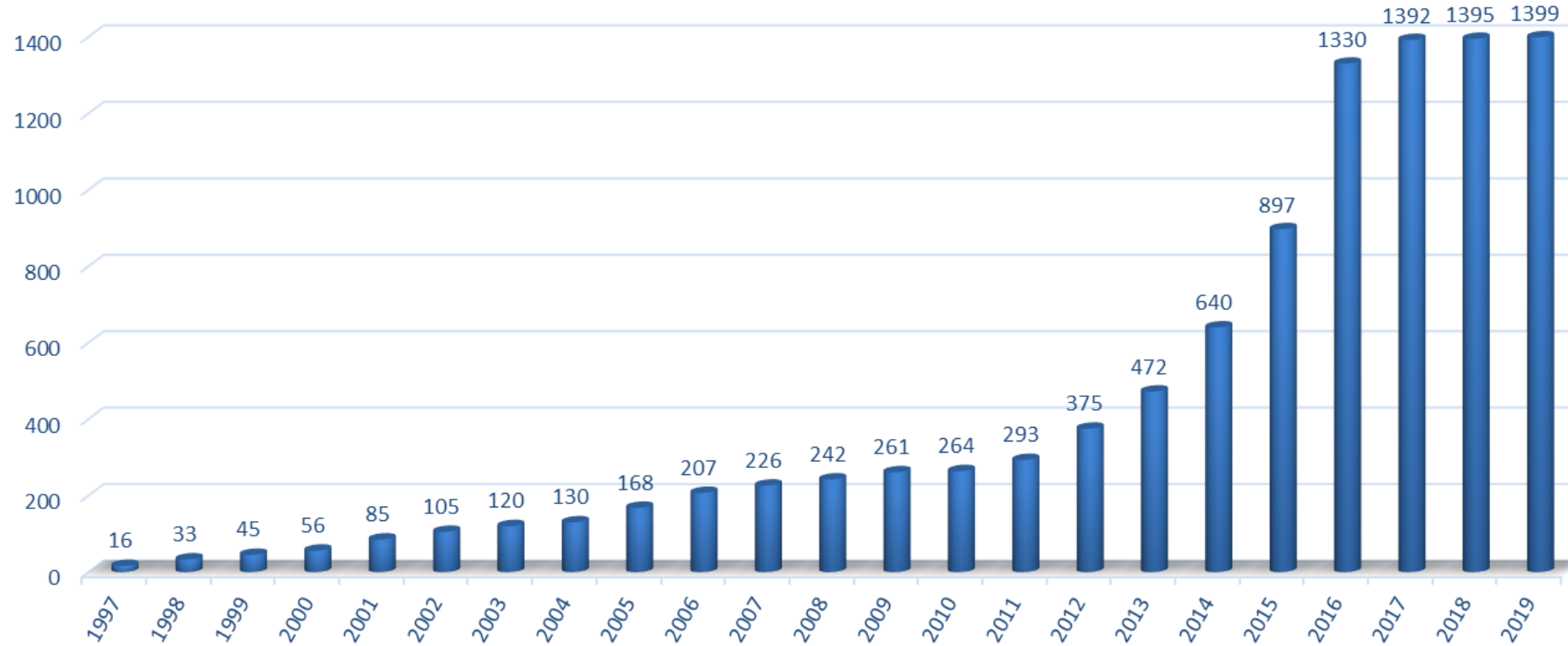
- **CNNIC has allocated 331,880 /24s IPv4 addresses, 16,126 /32s IPv6 blocks and 1,013 AS numbers**
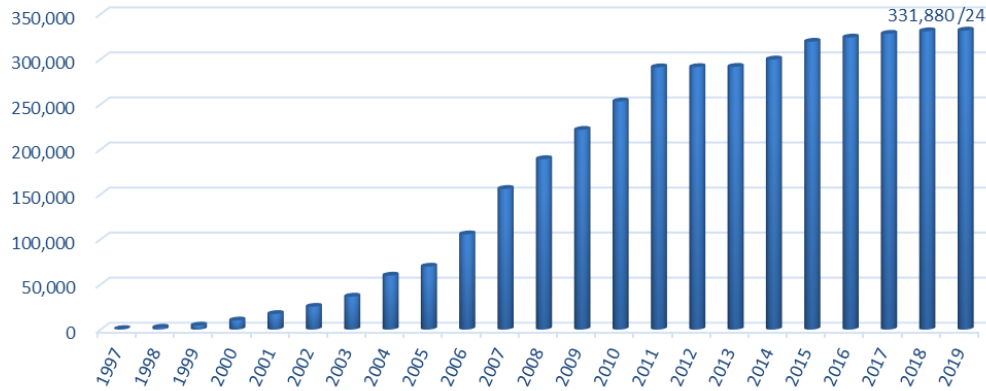
■2019 IP Alliance Conference on 30th June in Beijing

- **2019.7 Beijing**
  - **2days, 100 trainees**
  - **IPv6, RPKI**

- **2019.11 Hangzhou (in coming)**
  - **3days, 100 trainees**
  - **IPv6, RPKI**

- **Membership self-service system optimization**

- **RPKI**
  - **Server Expansion, Performance Improvement**

- **Whois system upgrade**
  - **review CNNIC IP business system, add new functions to compliance with prop-125.**
  - **new functions have been developed and will be launched by the end of 2019**

- **China IPv6 address advertised status**
  - By 2019.8， China holds 47,554 /32，accounting for 17% of the global allocated IPv6 addresses
  - 244 ASNs advertise IPv6 addresses, the ratio is 15%

- **Network Infrastructure**
  - IPv6 upgrade for LTE network in 30 provinces
  - Backbone network supported IPv6
  - MANs complete IPv6 transformation
  - IPv6 interconnection among 5 Backbone Nodes
  - International IPv6 bandwidth reaches over 100 Gbps

- **Application Infrastructure**

    - **IDC、CDN IPv6 Transformation**
    - **Cloud Service Platform**
    - **DNS**

- **Network Equipment and Terminal**

- **Internet Applications**

- **Users and traffic**

    - **China Telecom, China Mobile and China Unicom had allocated IPv6 addresses to more than 1,000 million LTE users and fixed broadband users**
    - **According to enterprise statistics , mainstream applications have tens of millions IPv6 active users**
    - **Rapid Increase of International Traffic and MAN Traffic**

THANKS!

yuzhen@cnnic.cn

中国信息社会重要的基础设施建设者、运行者和管理者