

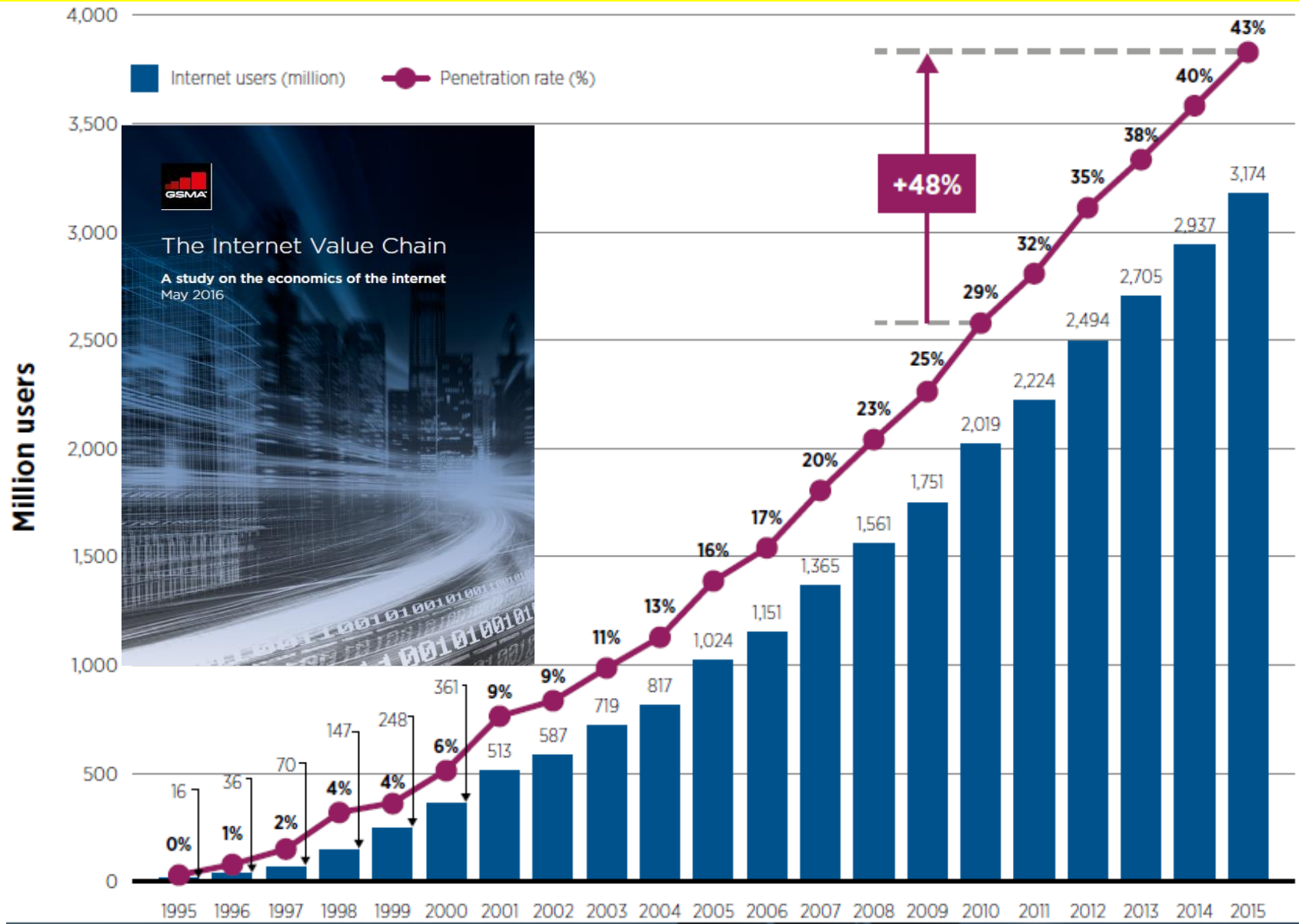


Rising tide of Internet growth and Shifting paradigm of connectivity

**ESCAP 2nd Working Group Meeting on AP-IS
Guangzhou, People's Republic of China
August 29-30, 2016**

**Abu Saeed Khan
Senior Policy Fellow, LIRNEasia
abu@lirneasia.net**

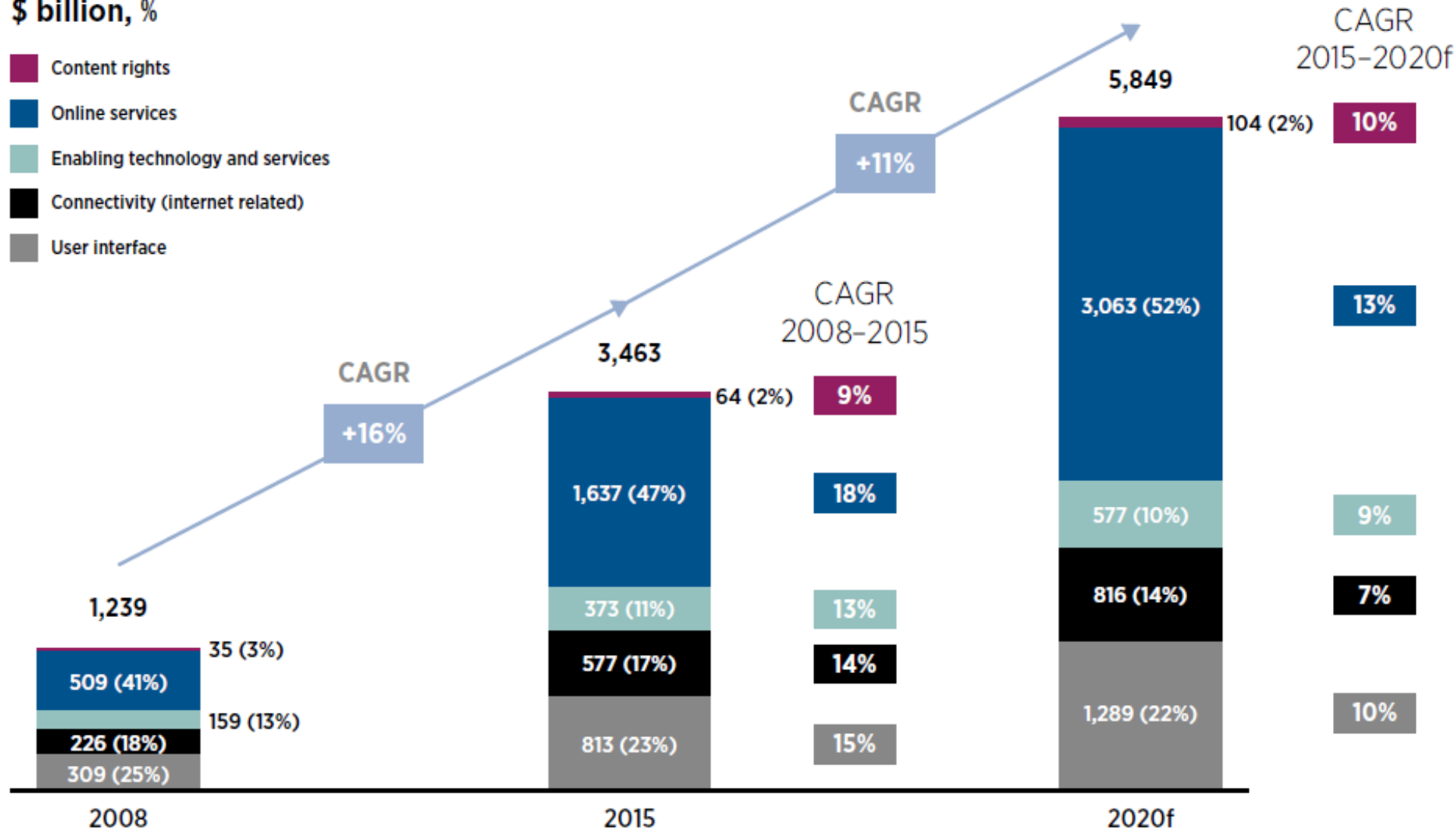
Mobile drives global Internet growth



Telcos make only 17% of total revenues from the global internet economy

\$ billion, %

- Content rights
- Online services
- Enabling technology and services
- Connectivity (internet related)
- User interface

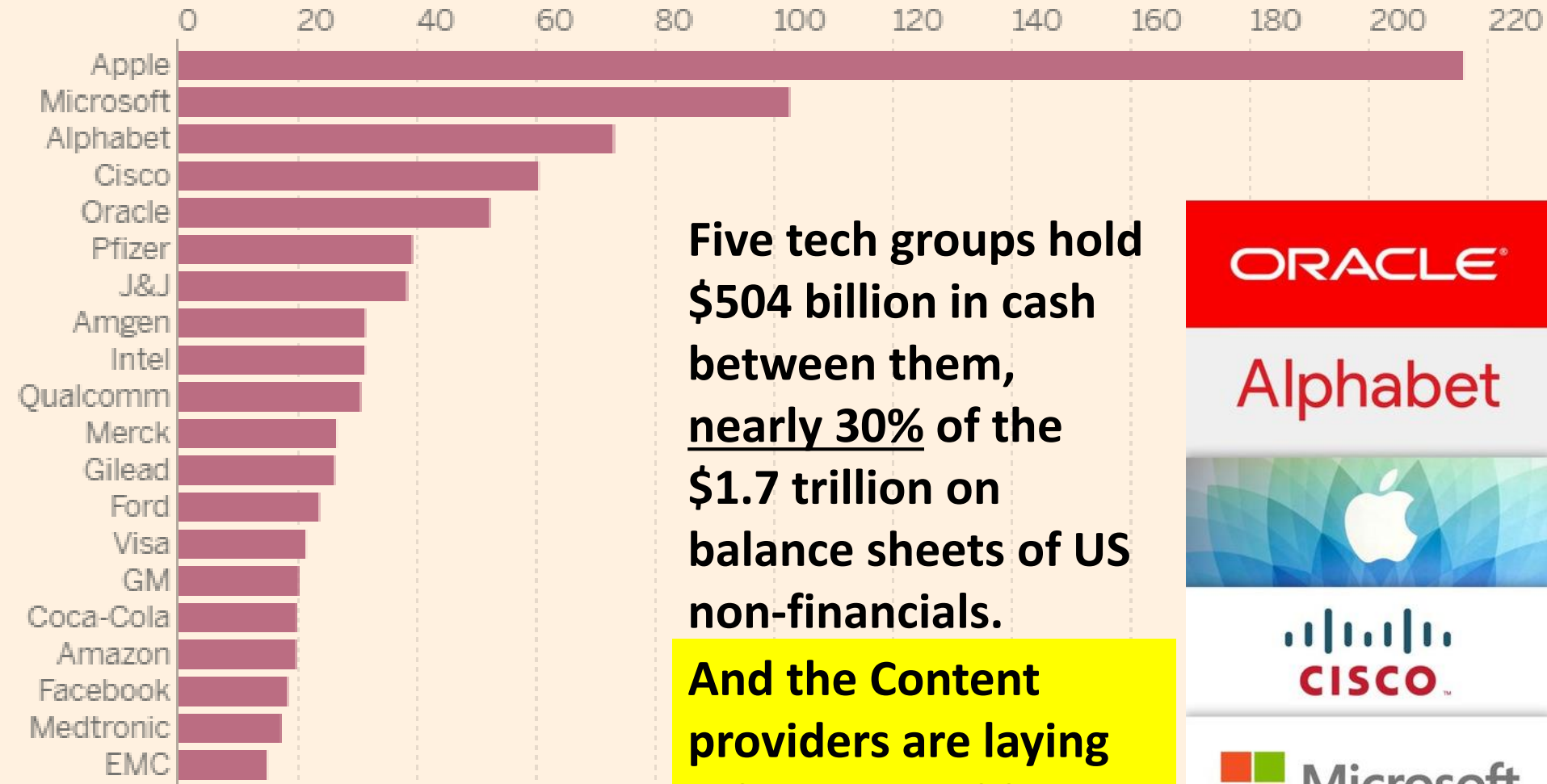


Source: GSMA, AT Kearny Analysis (May 2016)

Consequence: There is no telco on the top

The top 20 cash-rich US companies

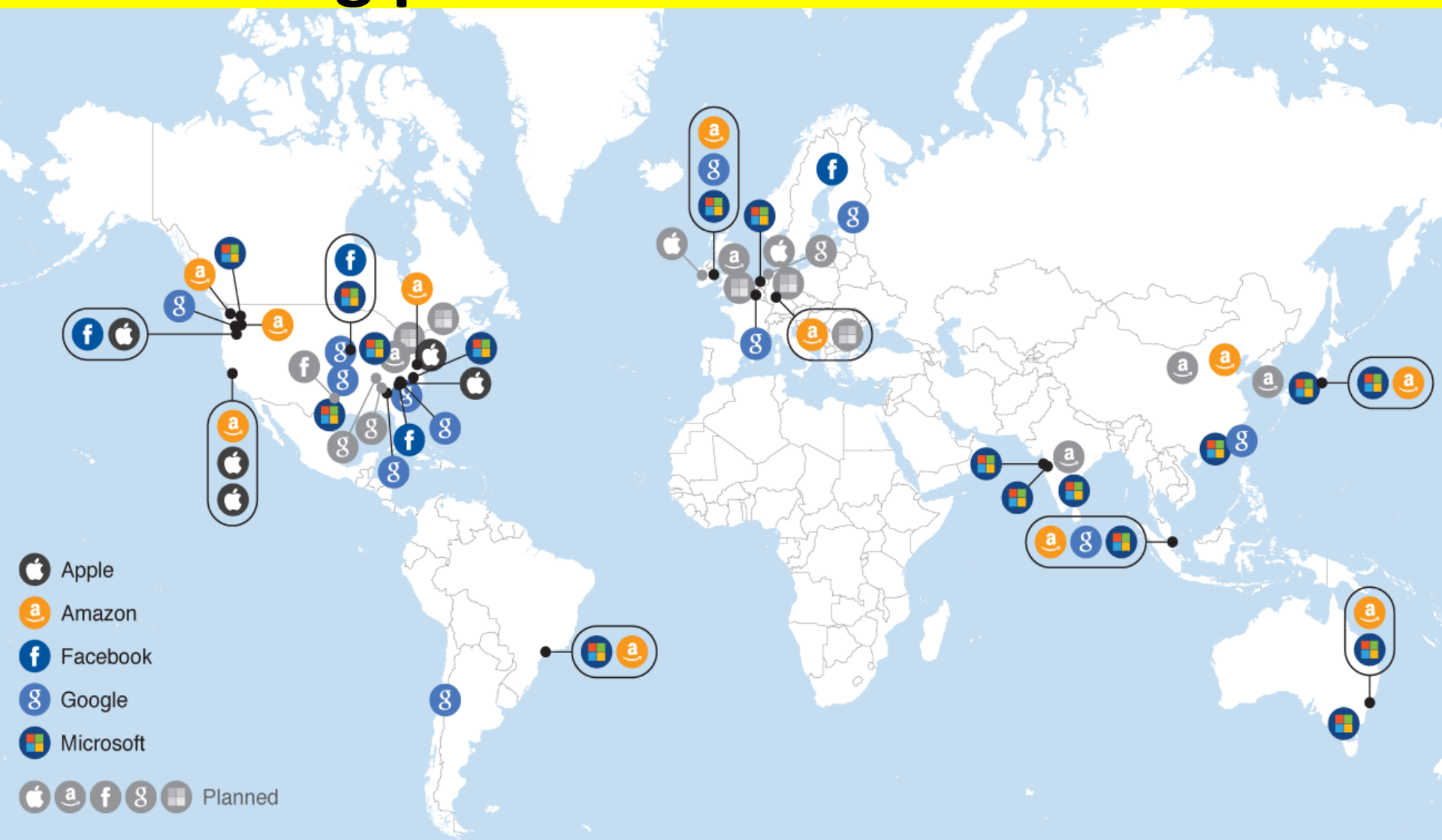
Total cash held (\$bn)



Content providers' ownership of submarine cables

- **Google**
 1. FASTER (part owner)
 2. Junior (sole owner)
 3. Monet (part owner)
 4. Southeast Asia Japan Cable (SJC) (part owner)
 5. Tannat (part owner)
 6. Unity (part owner)
- **Facebook**
 1. Asia Pacific Gateway (APG) (part owner)
 2. MAREA (part owner)
- **Microsoft**
 1. AEConnect (major capacity buyer)
 2. Hibernia Express (major capacity buyer)
 3. New Cross Pacific (NCP) Cable System (part owner)
 4. MAREA (part owner)
- **Amazon**
 1. Hawaiki (major capacity buyer)

Data centers' synchronization driving private bandwidth demand



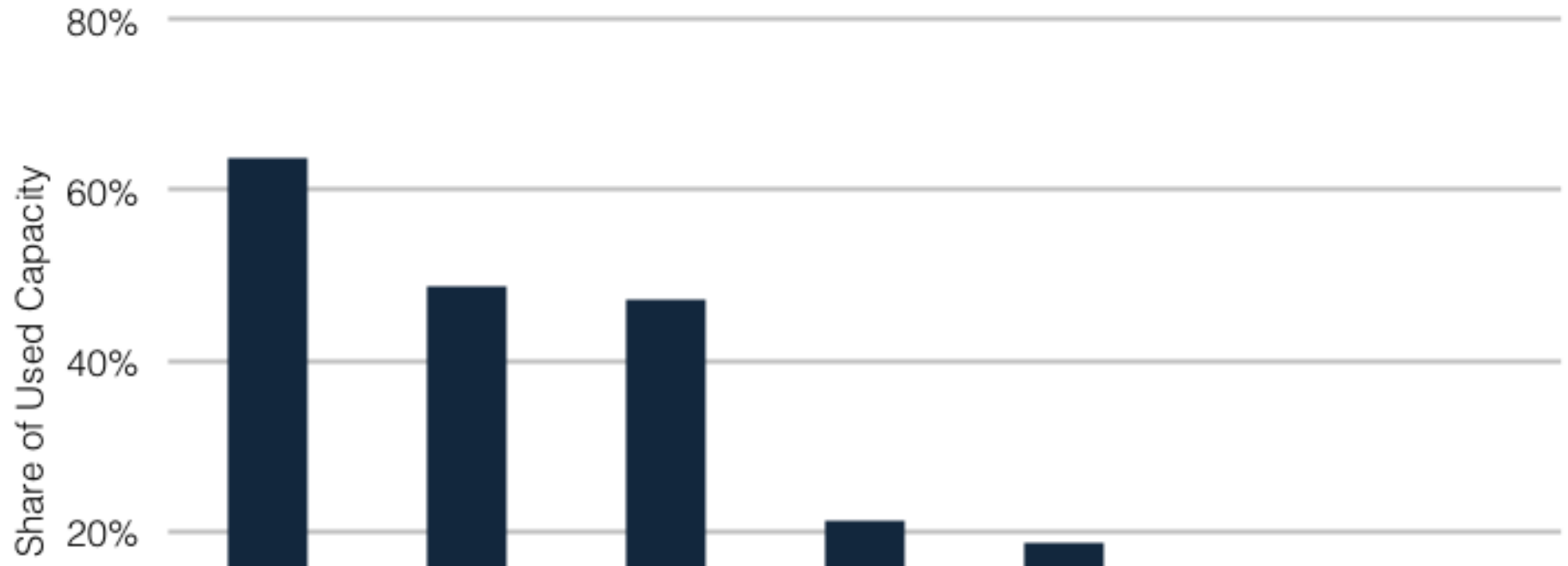
Source: Anahí Rebatta, TeleGeography (May 9, 2016)

Fact Box: Data Centers

1. World's largest data center is in Langfang, China. It is 6.3 million square feet — nearly the size of the Pentagon.
2. There are >7,500 data centers world-wide with >2,600 in the top 20 global cities alone.
3. With 337 locations, London (UK) has the largest concentration of data centers in any given city across the globe.
4. The largest concentration of data centers in a U.S. city is within the New York-New Jersey metro area (nearly 306 centers).
5. Data center construction will grow 21% per year through 2018.

Source: Ciena

Private Networks' share of Bandwidth usage by route, 2015



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_2530

