

# **Building Up A Sound Ecosystem for OSS Development: A case study of China**

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**中国开源软件推进联盟**

China Open Source Software Promotion Union

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- **Global trend: open source-based innovation**
- China OSS development ecosystem
- CJK cooperation benefits
- Looking forward: recommendations

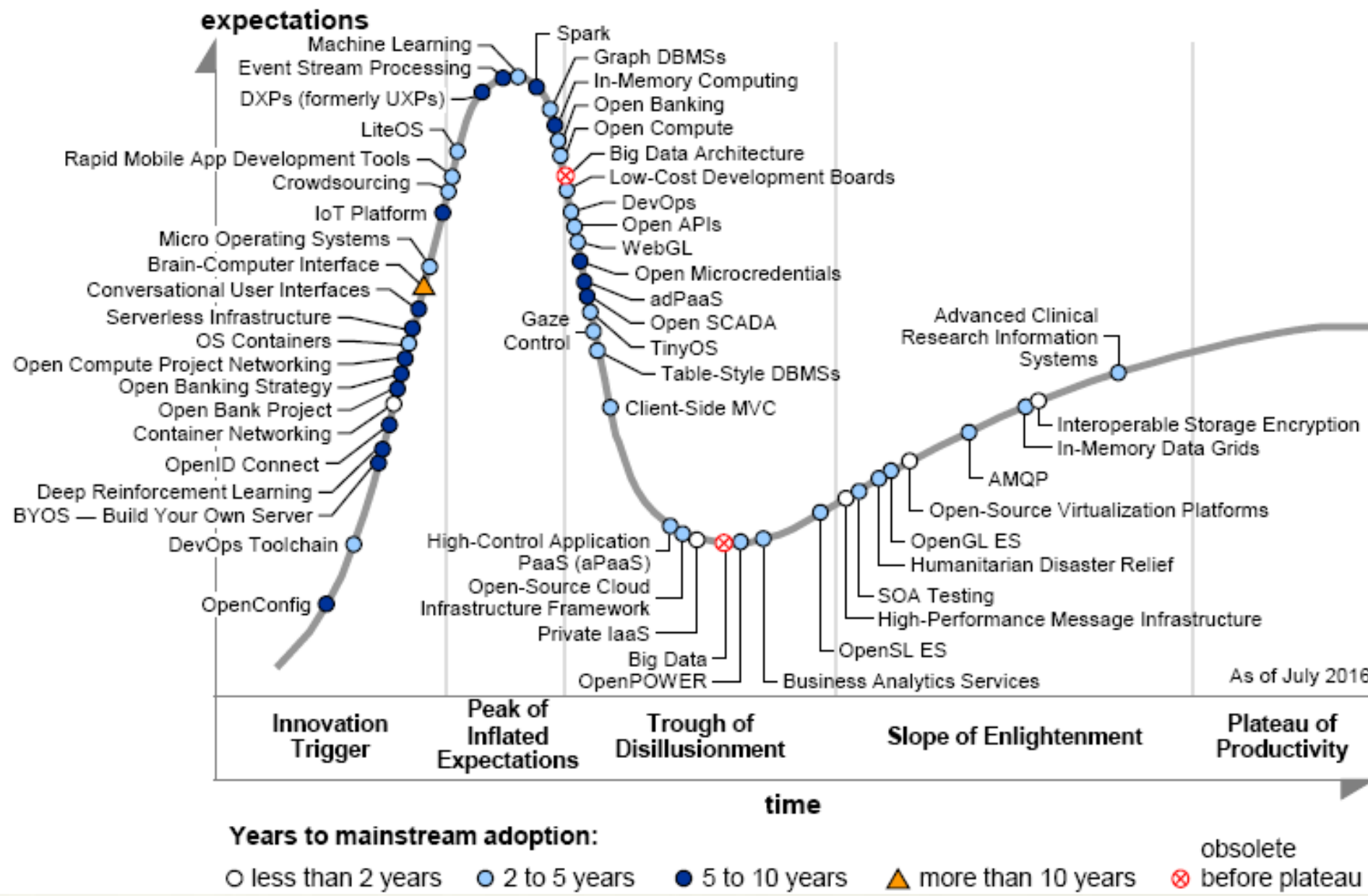
# Global trend: open source-based innovation

Open source drives software innovation globally.

- Gartner: OSS industry saturation is complete.
- 95% mainstream IT organizations leverage OSS assets within their mission-critical IT portfolios.
- Linux Foundation: 3+ million lines of codes added to Linux kernel in the past 15 mths; 7.8 modifications/hr

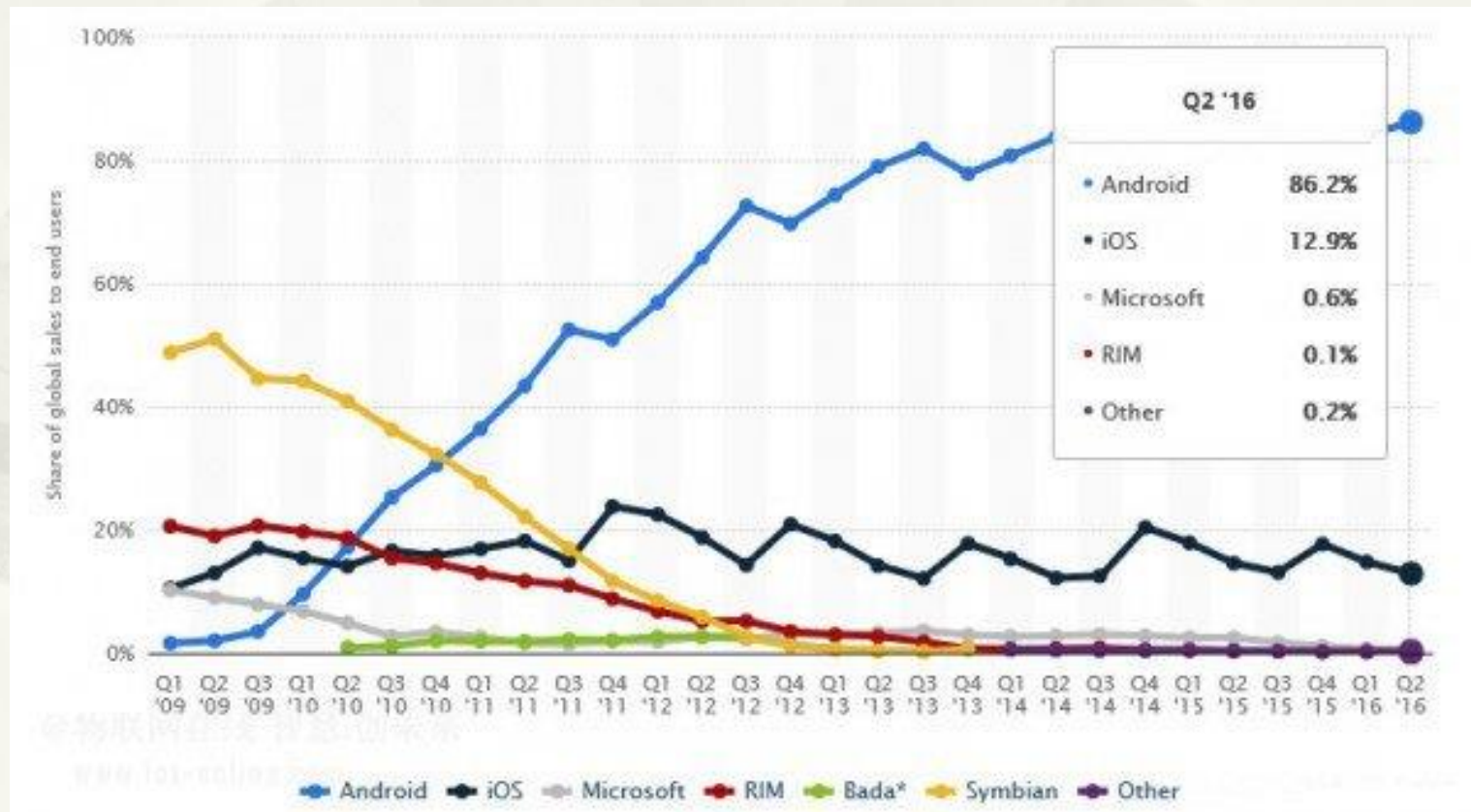


# Hype Circle for Open Source Software 2016



# MOBILE INTERNET

By 2<sup>nd</sup> Q of 2016, Android accounts for 86.2% of smart phone market.



(Data Source: Statista)

# CLOUD COMPUTING

## Cloud Infrastructure Services Market

	Q2 2016	Q1 2016	Q4 2015
<b>Market Share</b>			
Amazon	31%	31%	31%
Microsoft	11%	22%	9%
IBM	7%		7%
Google	5%		4%
Next 20 including Alibaba, CenturyLink, HPE, Oracle etc	26%	27%	49%
Others	20%	20%	

<b>Revenue Growth</b>			
Amazon	53%	57%	63%
Microsoft	100%	93%	124%
IBM	57%	41%	57%
Google	162%		108%
Others	41%	30%	
<b>Overall Market</b>	<b>51%</b>	<b>50%</b>	<b>52%</b>

Source: Synergy Research Group

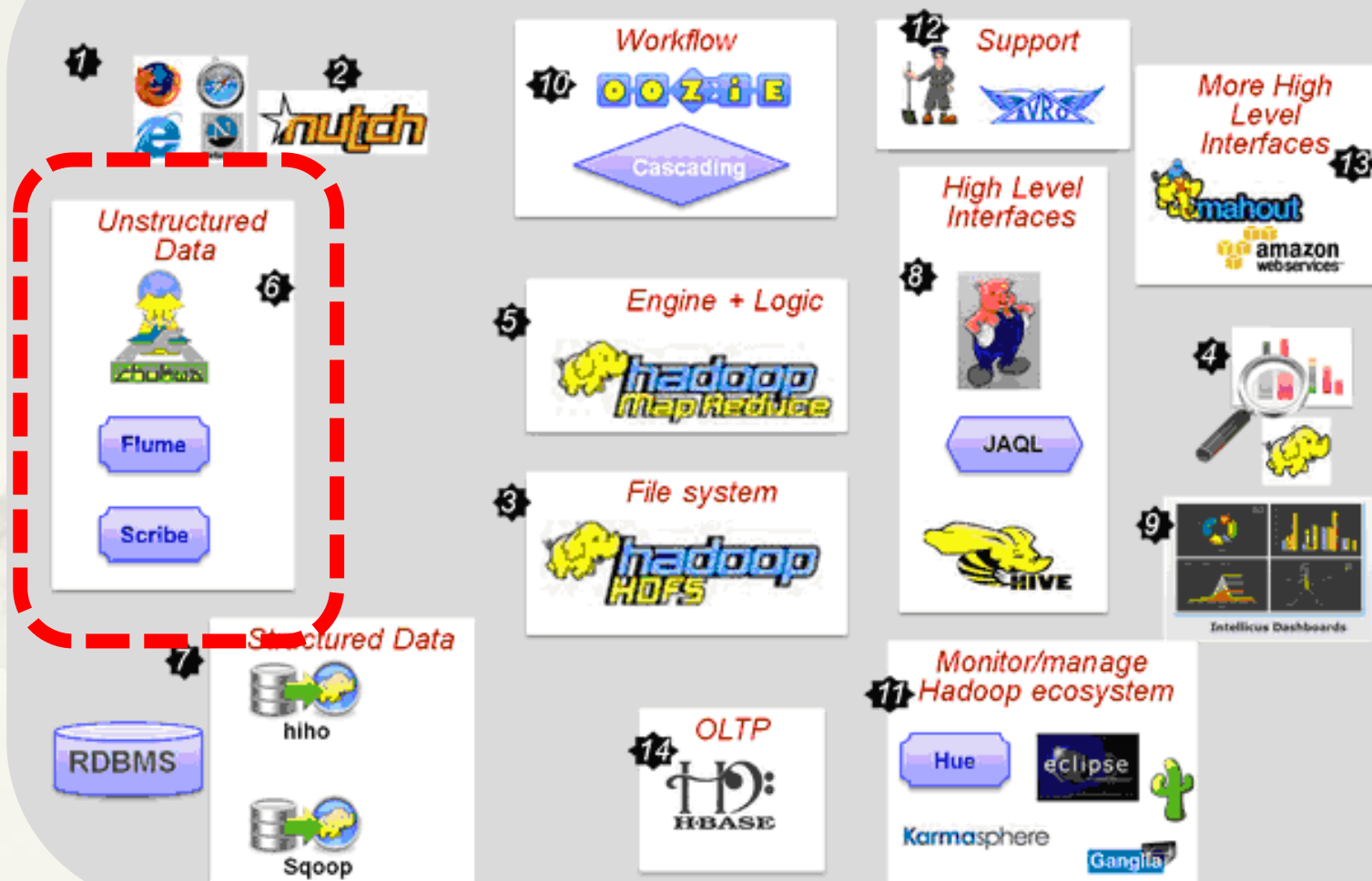
**Gartner :**  
**Global public cloud services market to grow 17% in 2016**

Source: Gartner



# BIG DATA: Hadoop Ecosystem

## Hadoop Ecosystem Map



# ARTIFICIAL INTELLIGENCE





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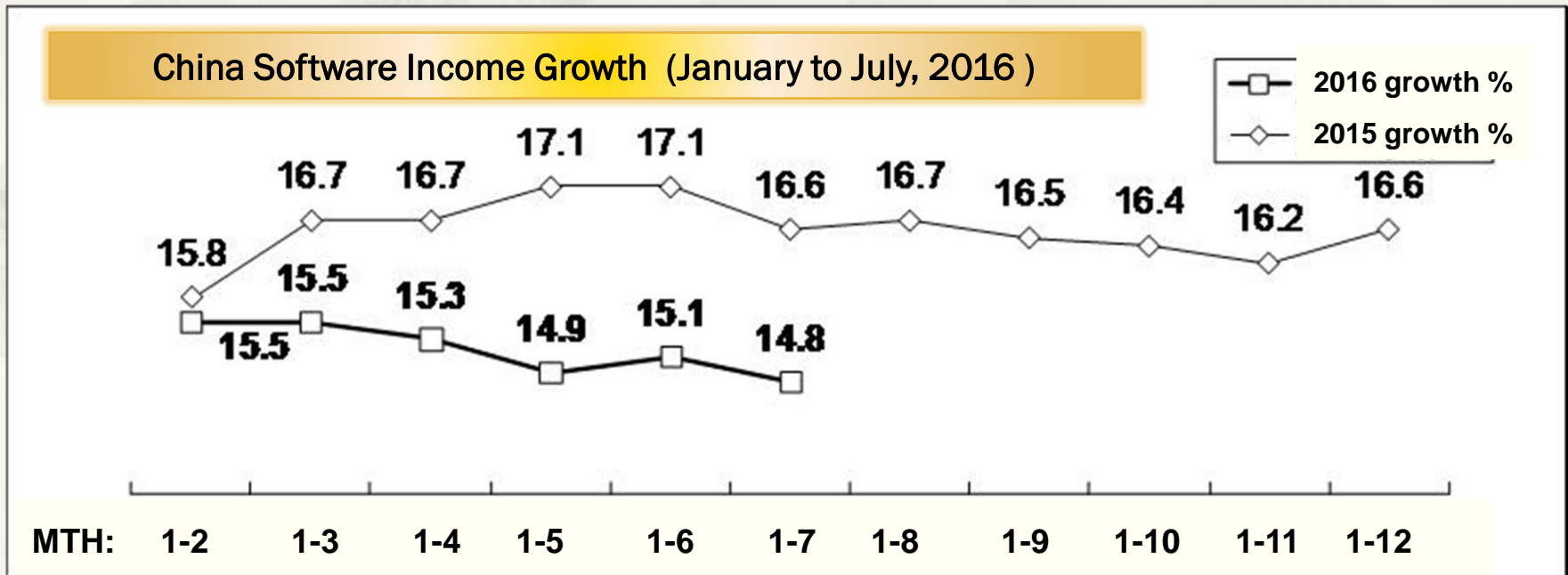
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# China OSS Development Ecosystem



# China Software Industry benefits from OSS

- As of July 2016, the total income of China software and information technology service industry is 2.7 trillion RMB, with the growth rate of 14.8%.



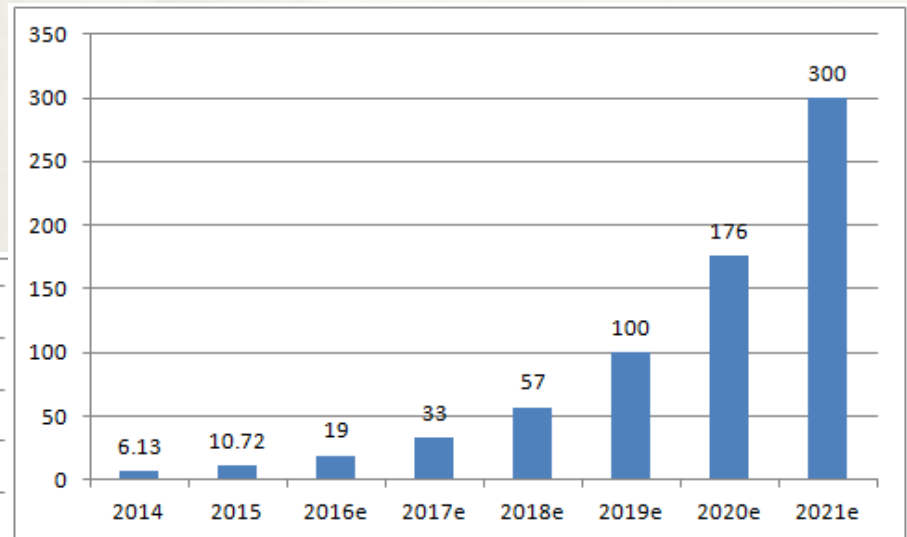
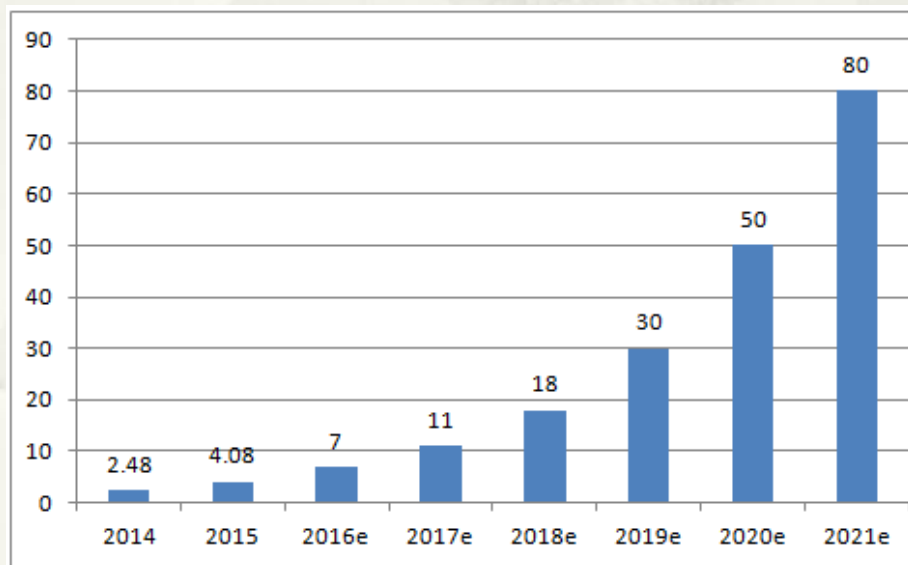
Source: MIIT

# CLOUD: China clouding industry



# BIG DATA: growth in China

**2014-2021 China Big Data Software Market Size and Growth Estimate (100m RMB)**

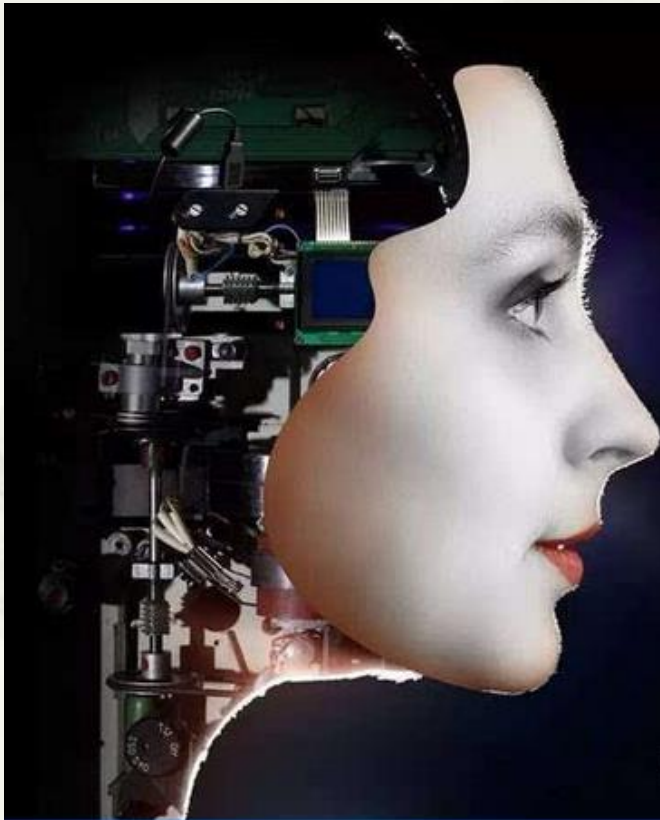


**2014-2021 China Big Data Service Market Size and Growth Estimate (100M RMB)**



# ARTIFICIAL INTELLIGENCE

## “China Manufacturing 2025”



- **Robotics:** healthcare, education, gaming,
- entertainment, legal, and **Auto Pilot**





# Engagement within international OSS community

- OSS recognition & OSS governance
- OSS community contribution
- OSS technical talents



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# CJK OSS cooperation: milestone achievements

## WG1

- Open Stack –based Inter-Cloud test bed

## WG2

- Compliance skills and curriculum
- OSS training camp
- Human resources promotion

## WG3

- FOSS supply-chain risk management (SCRM)
- Mobile terminal browser technical standards
- Software maturity evaluation for 3<sup>rd</sup> platform market

## WG4

- Technical assistance to Tourist Information Platform of Luoyang Government
- 6 new member companies in China

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# Recommendations for building a sound OSS ecosystem

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## Environment

- Improve industry environment, more government support to local communities

## R&D Innovation

- Encourage open source-based innovation and intelligent manufacturing

## Research

- Support research on OSS governance, strategy, license and compliance

## Collaboration

- Strengthen cooperation among CJK and with international OSS communities

# Thank you!

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# 谢谢！



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