

# **Strengthen the Interconnection Cooperation, Promote ICT Development in ASP**

**China Academy of Information and Communications Technology  
Mr. HE Guili**

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**China Academy of Information and Communication Technology**

<http://www.caict.ac.cn/>

# Global Digital Wave: IT drives a new round of Science and Technology Revolution and Industrial Revolution

- Global digital transformation develops new way for the world economy and expands new boundaries.
- Digital transformation of manufacturing becomes the core content of the digital economy development.



**Industry 4.0/  
Germany Digital Strategy 2025**



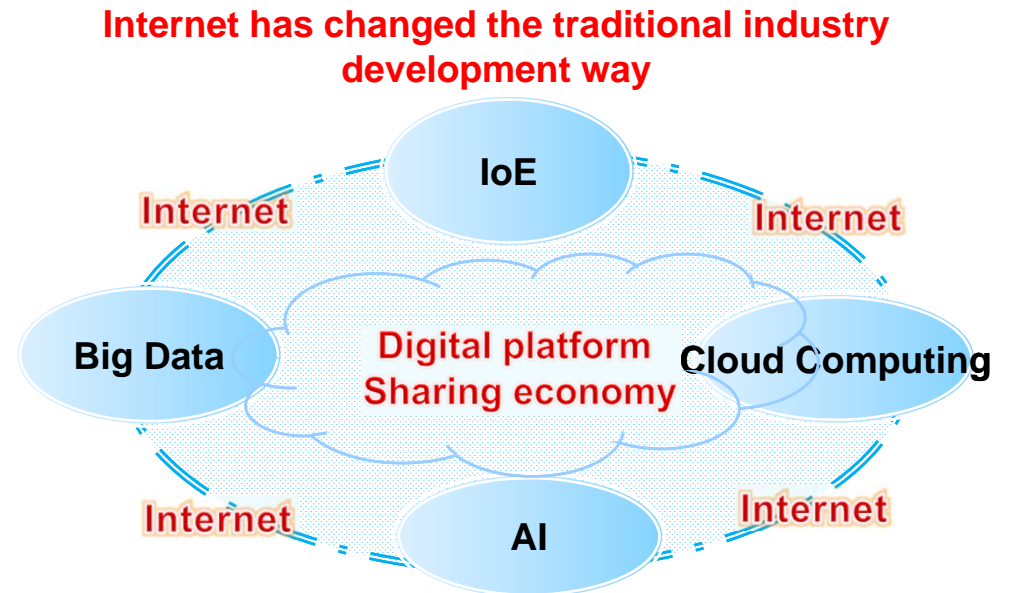
**US Advanced  
Manufacturing Strategy/  
Industrial Internet**



**China Manufacturing 2025/  
“Internet Plus”**



**New Industrial  
France**



## It's very important to build the Foundation of Digital Economy Development: Interconnection of Information Infrastructure

- To build digital economy, ASP countries need to rely on the network interconnected to share the prosperity fruits of Internet applications.

**Interconnection  
changes the global  
competitive pattern**

**Break the limit of time and space:** anytime, anywhere

**Supply and demand joint:** reduce intermediate links and hierarchy

**Reduce the service threshold:** shielding region, group, class differences

**To achieve the peer of supply and demand**

**One point access the whole internet**

## Some country's foundation is weak, the development needs of the global internetworking

- The lack of Interconnection is an important factor restricting the development of ICT in the ASP countries, also restricts the efforts of countries to promote their own development using international resources.

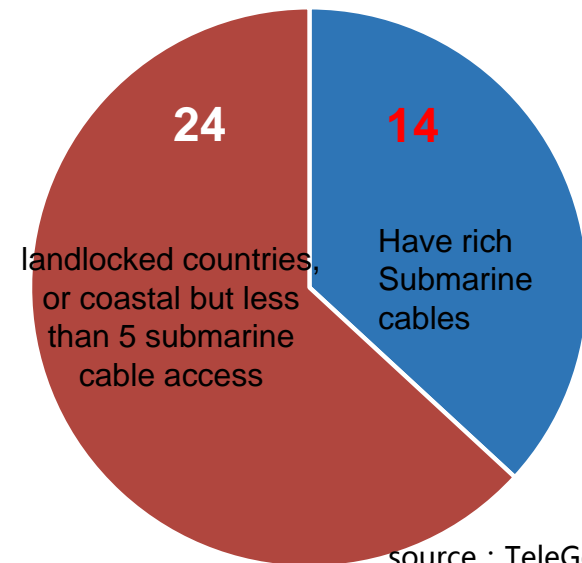


- ESCAP reported that, countries with submarine cable sites usually enjoy a cheaper, more rapid high-quality Internet connections, but the landlocked countries didn't fully benefit from the Internet broadband.



- Terabit Consulting research found that, the lack of Internet connectivity is causing great digital divide between ASEAN member states.

ASP: 38 countries



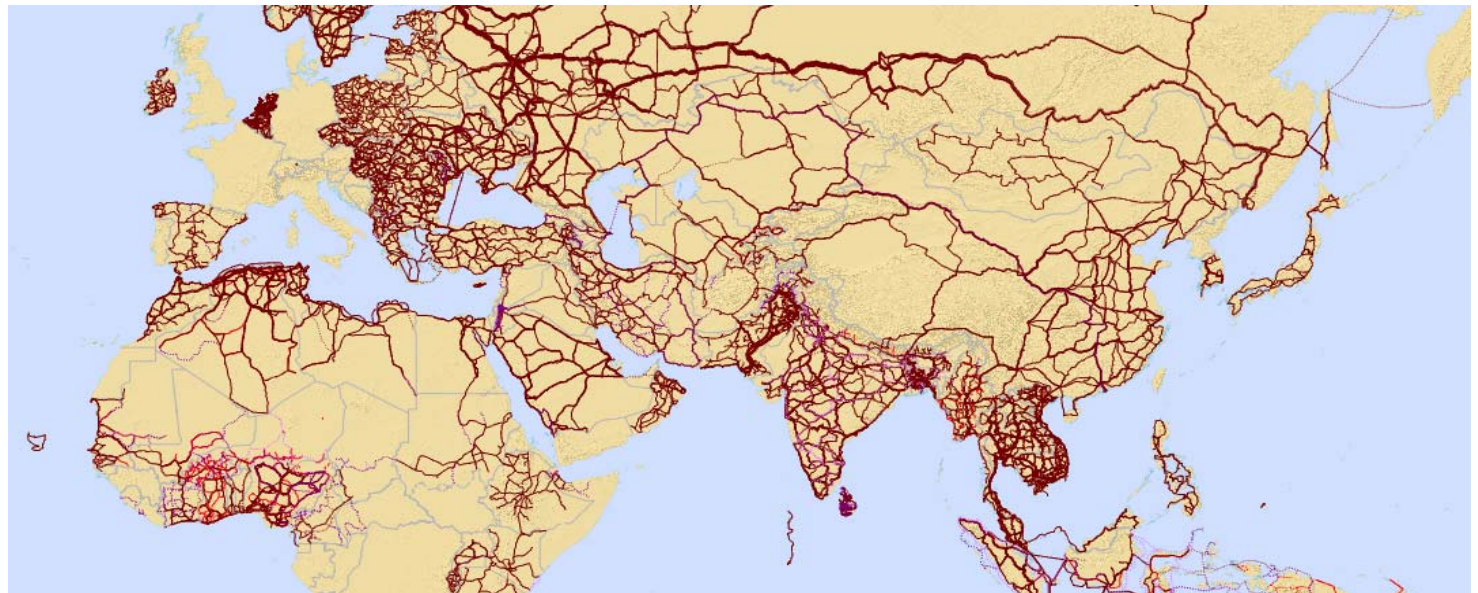
source : TeleGeography

## ASP countries have some basic conditions for interconnection

- Landlocked countries have built a relatively complete backbone optical cable network
- A number of international submarine cables have been in use, and several new submarine cables will be put into use, such as AAE-1, APG and SWM-5.

### Terrestrial Optical Cable

Source: ITU



# Interconnection goals: more people enjoy the bonus of Internet development

- **Long term goal:** to improve the interconnection of networks in the ASP countries, narrow the digital gap
- **Framework:** To establish Asia Pacific Information Superhighway



## AP-IS Plan





## Suggestion1 : promoted by sub-regional

- First, we can promote the interconnection of sub-region countries, to build regional information superhighway, such as in Central Asia, the Mekong sub region, the Middle East, etc. Second, building information channel to connect the sub-region with the whole world.



Cable network in Mekong sub region



Cable network in Central Asia

## Suggestion2 : Mechanism innovation, explore the construction and operation model of international information infrastructure

- Interconnection needs cooperation among countries and enterprises: to learn from the international submarine cable, international railway transport, international crude oil, international electric power transmission and other operating model, explore to establish the operation model of international terrestrial optical cable system



### Agreement on the international carriage of goods by rail, 2015

- "uniform transit tariff rules of International railway freight transport", regulate the transit delivery cost calculation and acceptance check method



## **Suggestion 3: strengthen the domestic information infrastructure, and integrate it into the national strategy to promote continuously**

**National  
strategic  
guarantee**



- ❑ The ITU Broadband Commission believes that Internet and broadband is essential to the development of the international community
- ❑ Countries should take broadband construction as the first strategy, through policy support, sectoral collaboration, etc. promoting the implementation, and updating and upgrading strategic objectives and direction in the implementation of the process .

## Suggestion 4: Strengthen the application innovation, construct new formats of "Internet +"



**sustainable  
development**

- ❑ **Encourage innovation:** Apply cloud computing, big data, mobile Internet, networking and other information technology into all of the economic and social fields, and promote cross-border integration and innovation of Internet with city management, logistics, manufacturing, agriculture and rural areas, create new products, new services and new model.
- ❑ Accelerate the healthy development of e-commerce, Internet finance, industrial internet.

## Suggestion 5: Open cooperation, using all kinds of funds to support the construction of information infrastructure

**Construction of Information infrastructure interconnection needs huge financial support.**



**Capital  
guarantee**

❑ **Encourage foreign governments and international institutions policy funds tilt information infrastructure:** for example to set up special funds in Asian Infrastructure Investment Bank and other policy banks to support the construction of information infrastructure.

❑ **Encourage private capital to participate in the construction:** guide and support various types of capital to participate in the construction of information and communication infrastructure.



**National top professional think- tank  
Industry innovation platform**

*Thanks !*

