Practices & Challenges of China: Infrastructure Connectivity in Support of Sustainable Development

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Forum on Sustainable Transport Connectivity between Europe and Asia
OVERVIEW

01. China’s transport connectivity improvement and the Euro-Asian Link

02. The Second UN Global Sustainable Transport Conference (Beijing 2020)
China and the Euro-Asian Links
China and the Euro-Asian Links

Land transport corridors
a. Highway routes
b. Rail routes (Eurasian Land Bridge)
   e.g. China-Europe Railway Express

Land-sea freight routes
   e.g. China->Port of Piraeus->Hungary-Serbia rail
1. China-Europe Highway routes

3 LINES

North
Middle
South
China-Europe Highway routes: the North Line

Starts from cities around Bohai in Northeast China To the Baltic Sea region

Major sections: AH68, AH67, AH60, AH6, E22, E30 etc.

(G7, G3015 in China)
China-Europe Highway routes: the Central Line

Starts from Shanghai, Nanjing, Hangzhou (the Yangtze River Delta)
To the Baltic Sea

Major sections: AH5 AH61 E30
G30, G3016 in China
China-Europe Highway routes: the South Line

Starts from cities in China’s Pearl River Delta (like Guangzhou) To the Persian Gulf and the Mediterranean region

Major sections: AH4 AH61 AH65 AH66 AH1 E67 E65

G3012 G3013 G0612 in China
1. Infrastructure Upgrades
   • highway from China's Khorgos, an inland port in Xinjiang, to St. Petersburg of Russia through Kazakhstan to be constructed and upgraded → a new trunk line connecting Asia and Europe
   • Cross-border projects

2. Boost by TIR Convention
   ◆ China ratified the TIR Convention and become the 70th member state
      more routes
      more opportunities
1. Technical class and standard
   ◆ Highways within China mainly consist of Class II and Class III.
   ◆ Khorgos (Xinjiang) is the only road port currently connecting expressways.
   ◆ Beyond the boundary: road conditions to be improved.

2. Soft infrastructure
   ◆ Implementation of subregional & bilateral transportation agreements.
   ◆ Intergovernmental coordination, administrative optimization.
   ◆ Legal harmonization (customs facilitation).
China-Europe Railway Express
Since the first China-Europe freight train launched in Chongqing in 2011, the Express line have made nearly 190,000 journeys and carried more than 1.6 million TEUs of commodities, connecting 110+ city across Eurasia.

**Case Yiwu-Xinjiang-Europe**

Yiwu, "World's Supermarket"  
Yiwu-Liege in 20 days, runs twice a week  
Alibaba's online global retail maketplace  
Ali’s logistic arm and eHub in Europe

**On Rise**

- shipment & trips
- efficiency
- return cargo
- security
- scope of business

Photo taken on Oct. 9, 2019 shows one of the containers on the China Railway Express (Yiwu-Liege) at Yiwu West Railway Station in Yiwu, east China's Zhejiang Province.
Challenges

overlapped lines lack hubs & nodes
Scattered destination cities in Europe Hubs & nodes to be cultivated based on the existing network

customs clearance transportation documents
inter-governmental inter-organization coordination

routing

infrastructure

obsolete infrastructure Low passing capacity of ports -> congestion

collection & distribution
intermodal transport to be developed to give full play of all modes

policy coordination

intermodal transport
China-Europe land-sea route

*Port of Piraeus--Hungary-Sebia Railway*
Port of PIRAEUS

Container throughput 4.9 million TEUs in 2018, ranking second among all Mediterranean ports.

Railway in Balkan

Modernization and Electrification of the Belgrade-Budapest railway.

Cooperation Platform

China-CEEC countries+Greece (17+1) platform.

Land-Sea

Hungary-Serbia Railway

rail transferred into the hinterland

Port of Piraeus

located in Southeast Greece
SECOND UN GLOBAL SUSTAINABLE TRANSPORT CONFERENCE
5-7 MAY 2020, BEIJING, CHINA
Convened by the United Nations SG

Co-hosted by China MOT, MFA and Beijing Municipal Government.
The theme of the conference is “Sustainable Transport, Sustainable Development”, focusing on global economic growth, the fourth industrial revolution, climate change, ecological progress etc.
TOPICS

★ Sustainable Transport and people's livelihood
★ Sustainable Transport and poverty reduction and elimination
★ Sustainable Transport and safety
★ Sustainable Transport and city life
★ Sustainable Transport and green development
★ Sustainable Transport and innovation
★ Sustainable Transport and regional development
★ Sustainable Transport and green transport system
★ Sustainable Transport and governance
To highlight safe, green and intelligent transport development and the key role of transport in poverty reduction and elimination.
Beijing Daxing International Airport
(IATA: PKX, ICAO: ZBAD)
Yangshan Deep Water Port & Auto Terminal
(located in Hangzhou Bay, south of Shanghai)
Hong Kong-Zhuhai-Macao Bridge
(HZMB Bridge)
Beijing rail transit command center
subway & light rail lines: 22
operating mileage: 637km
stations: 391

Testing ground for vehicle on-road tests
(operated by the Research Institute of Highway of MoT)
Programme and other information of the Conference are available at:

https://sustainabledevelopment.un.org/transport2020

Venue: China National Convention Center (CNCC)
THANKS

Geneva, Switzerland

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