



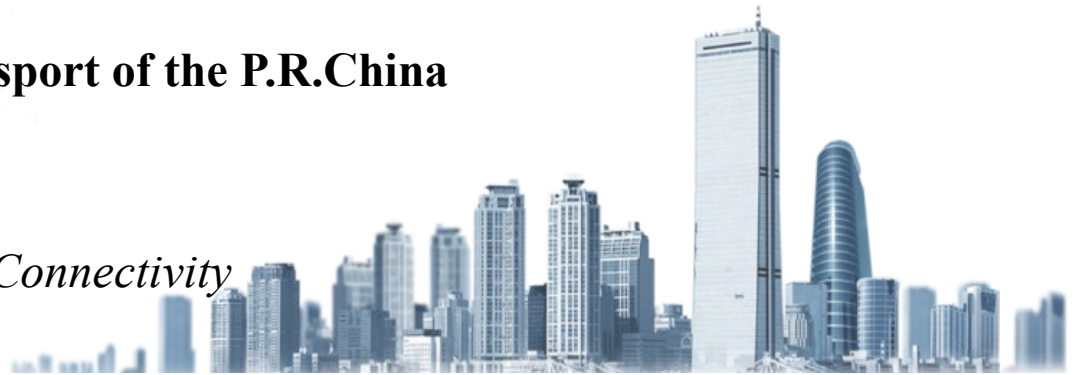
Practices&Challenges of China:  
**Infrastructure Connectivity in Support  
of Sustainable Development**

**Shu Lan**

**Senior official, Ministry of Transport of the P.R.China**

*Geneva, 30 October 2019*

*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)

A faint, light gray world map is centered in the background of the slide. The map shows the outlines of continents and oceans. The number '01' is overlaid on the map, with the '0' positioned over Europe and the '1' positioned over Asia.

01

▶ **China and the Euro-Asian  
Links**

The bottom of the slide features several overlapping geometric shapes. On the left, a light blue triangle points downwards. In the center, a dark blue triangle points upwards. On the right, another light blue triangle points downwards. These shapes are layered over a dark blue horizontal bar at the very bottom of the slide.

# China and the Euro-Asian Links

## Land transport corridors

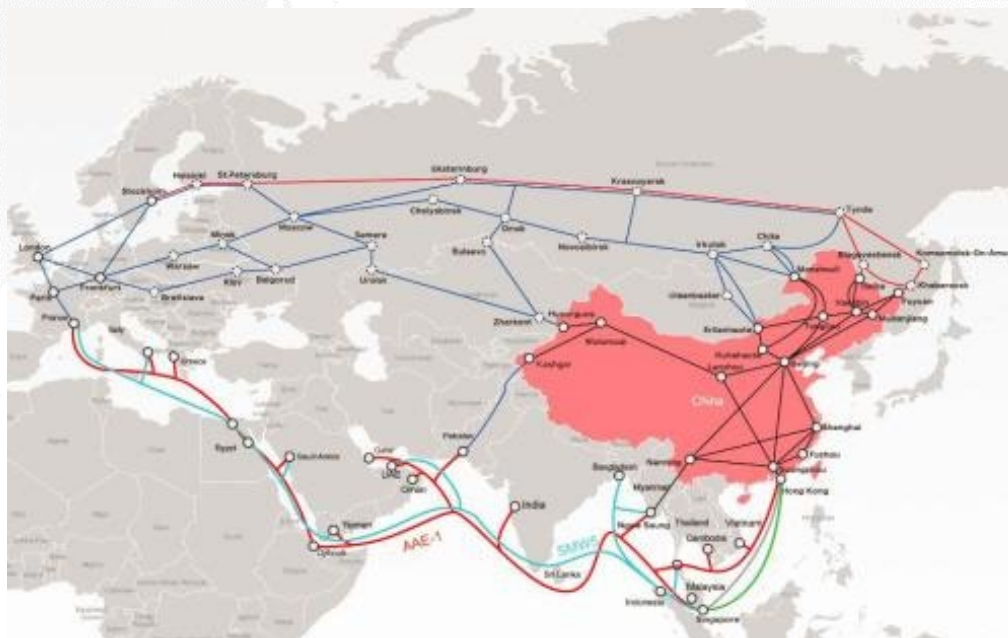
a. Highway routes

b. Rail routes (Eurasian Land Bridge)

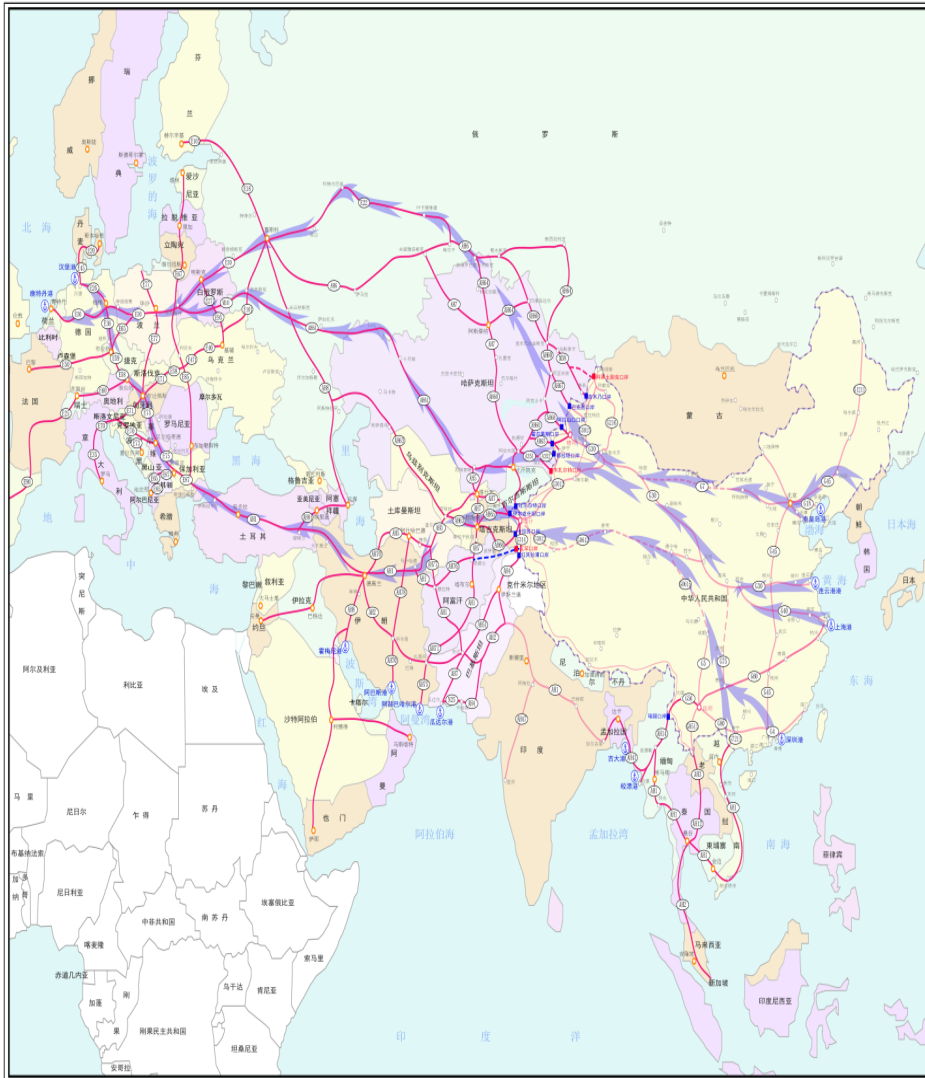
*e.g. China-Europe Railway Express*

## Land-sea freight routes

*e.g. China->Port of Piraeus->Hungary-Serbia rail*



# 1. China-Europe Highway routes



North  
3 LINES  
Middle  
South

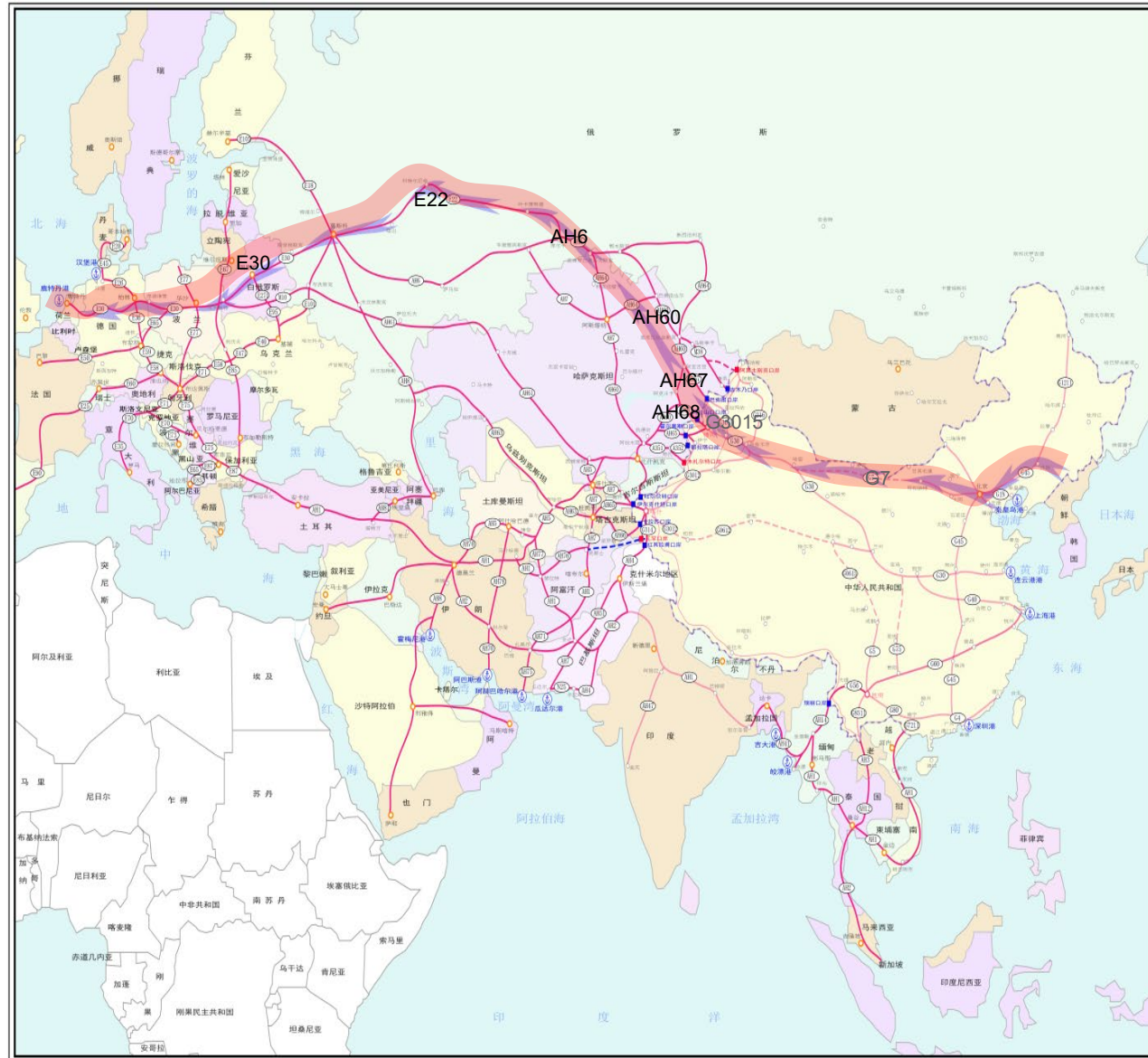


# China-Europe Highway routes: the North Line

**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)**

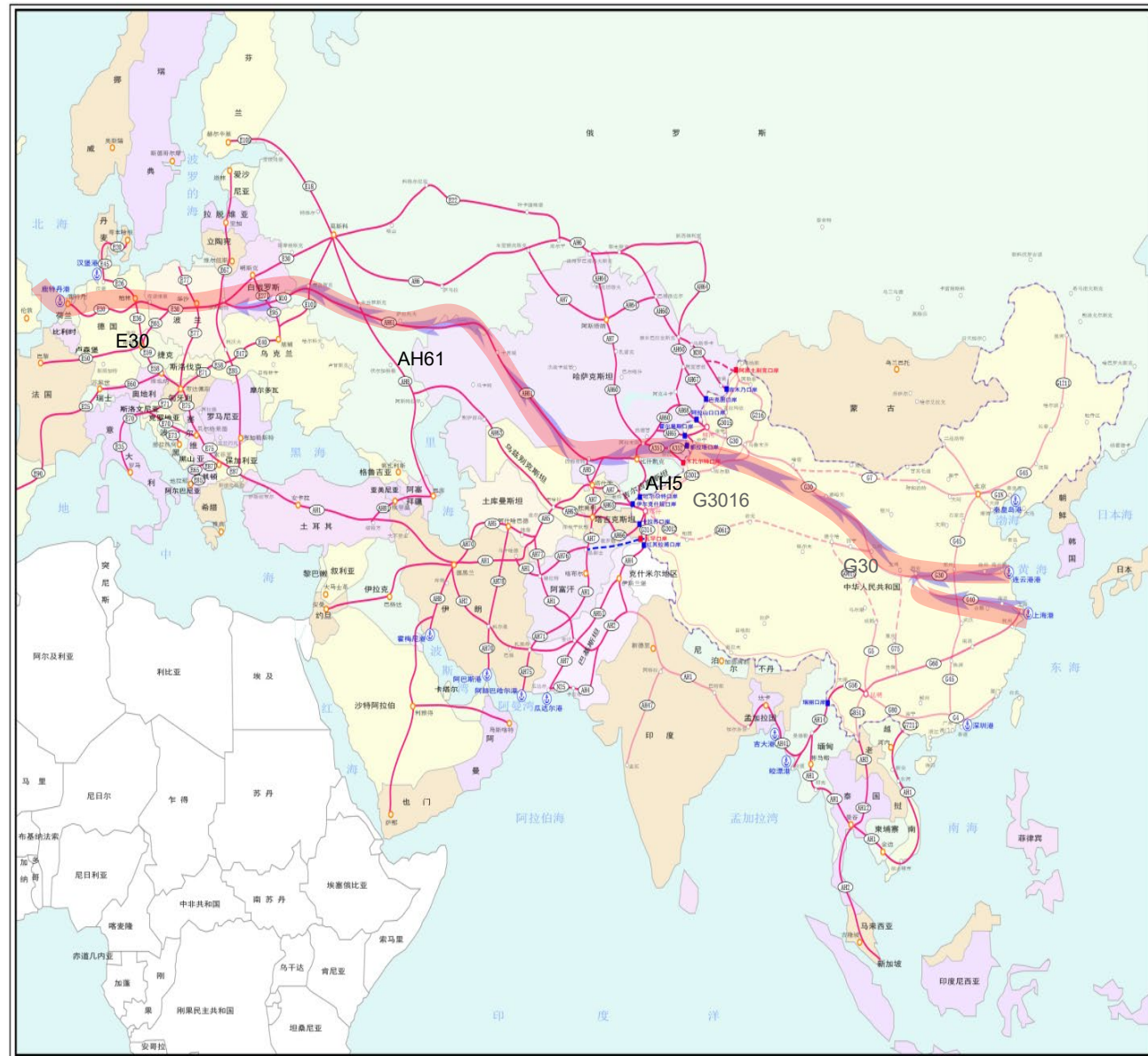


# China-Europe Highway routes: the Central Line

**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**





# Progresses

## 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 70<sup>th</sup> member state
  - more routes
  - more opportunities

# Bottlenecks and Challenges

## 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



# China Railway Express

a network of rail services transporting goods between China and Europe

## Start

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 marketplace  
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

gauge difference  
transshipment equipment

Obsolete infrastructure  
Low passing capacity  
of ports->congestion

policy  
coordination

intermodal  
transport

collection&distribution

intermodal transport to  
be developed to give  
full play of all modes

# 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

Land-Sea

## Railway in Balkan

Modernization and Electrification of the Belgrade-Budapest railway

## Hungary-Serbia Railway

rail transferred into the hinterland

## Port of Piraeus

located in Southeast Greece

## Cooperation Platform

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



02

▶ **SECOND UN GLOBAL  
SUSTAINABLE  
TRANSPORT CONFERENCE**

**5-7 MAY 2020, BEIJING, CHINA**



Decorative geometric shapes at the bottom of the page, including a dark blue triangle pointing upwards and two light blue triangles pointing downwards, meeting at a central point.



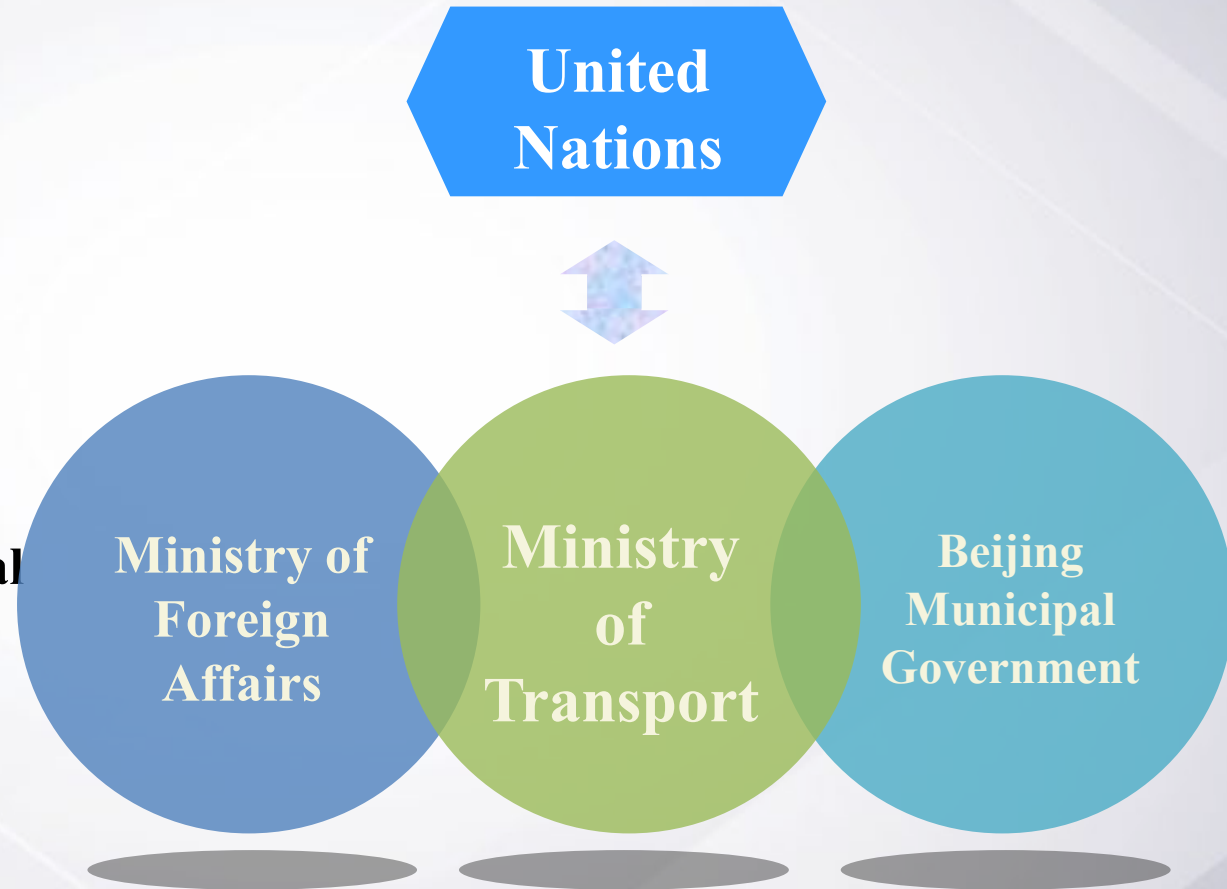
5-7 May 2020  
Beijing, China



Ministry of Transport of  
the People's Republic of China

**Convened by the United  
Nations SG**

**Co-hosted by China MOT,  
MFA and Beijing Municipal  
Government.**





## Theme and Topics

### THEME

**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**



## Forms of the Conference



To highlight safe, green and intelligent transport development and the key role of transport in poverty reduction and elimination.



An aerial photograph of the Beijing Daxing International Airport terminal building, showcasing its unique, multi-lobed, star-like architecture. The building is illuminated by the warm, golden light of a rising sun, creating a dramatic silhouette against the bright sky. The surrounding landscape is a mix of green fields and paved areas, with various airport infrastructure visible in the distance.

# Beijing Daxing International Airport

(IATA: PKX, ICAO: ZBAD)





# Yangshan Deep Water Port & Auto Terminal

(located in Hangzhou Bay, south of Shanghai)



An aerial photograph of the Hong Kong-Zhuhai-Macao Bridge (HZMB) stretching across a vast expanse of blue water. The bridge features a long approach viaduct leading to a series of cable-stayed bridge spans. The main span in the foreground is supported by a tall, white, A-frame pylon with a distinctive circular opening at the top. The bridge's deck is dark, and a small white boat is visible in the water to the right. In the background, distant mountains and a clear sky are visible under a soft, golden light.

# HongKong-Zhuhai-Macao Bridge

(HZMB Bridge)



## Technical Visit



**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)





Ministry of Transport of  
the People's Republic of China

***THANKS***

**Geneva, Switzerland**

**30 October, 2019**

**Departement of International Cooperation, MoT**