# NEW TRENDS IN INTERNATIONAL TRANSPORT CORRIDORS: ECOLOGY AND DIGITALIZATION

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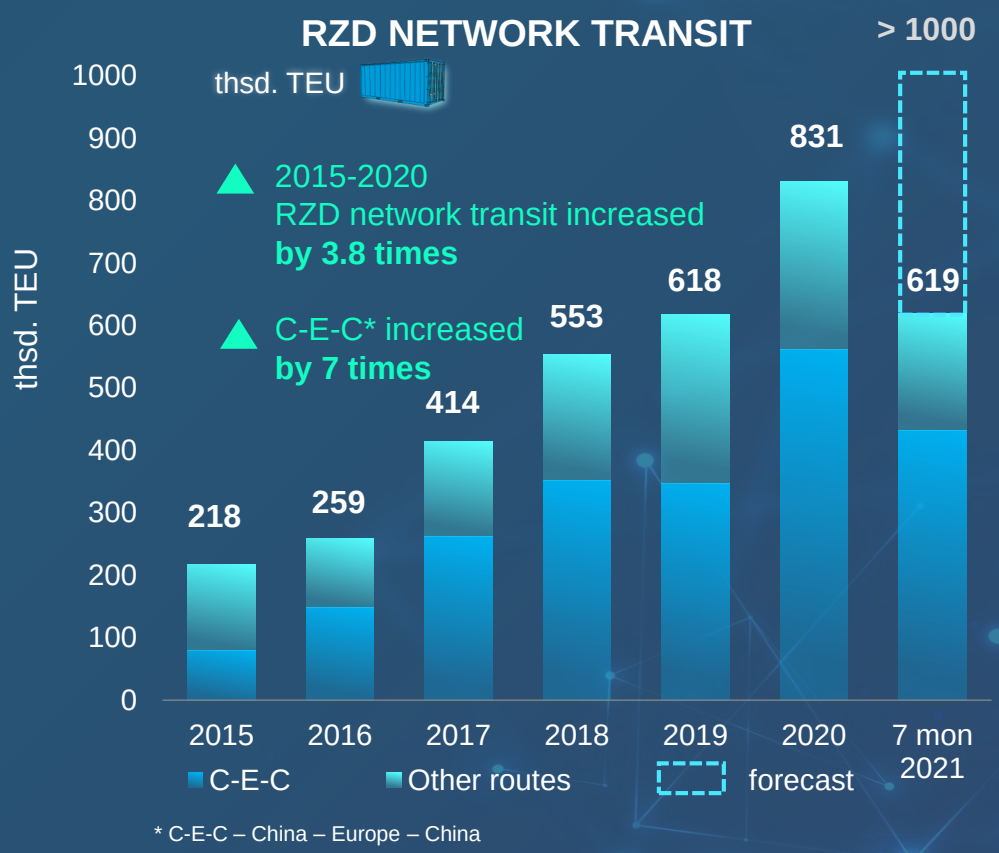
# Dynamics of transit container traffic on the Russian Railways' network




## MAIN ADVANTAGES OF TRANSPORTATION BY RAIL

### Fast and reliable

Maximum speed reaches 1 394 km / day

### Efficient

WCI Drewry sea freight index is 3 times higher than ERAI railway index

### Eco-friendly

Railway $CO_2$ emissions are

**16 times** less than on sea transport

**70 times** less than on road transport

**700 times** less than on air transport

# Change of 1520 ERAI Composite index and WCI sea freight cost (USD/FEU)

The sea freight index is **3 times** higher than the rail index

The total cost of freight transportation by sea on the Asia - Europe routes is at historic height and has grown 5 times since the beginning of the pandemic **(over 11 thsd. USD/FEU)**

# Main mechanisms for development of transit traffic

## The Seven-party working group

- transportation speed increase
- digitalization
- end-to-end schedules

## Bilateral interaction

- railway border crossings development
- electronic data interchange
- new services
- intermodal routes development

## International organizations

- Organisation for co-operation between railways (OSJD)
- Council for Rail Transport of the CIS member states
- UIC, UNECE, UNESCAP, Eurasian Economic Commission (EEC) etc.

# Digital services

- Development of **electronic data interchange**
- Implementation of **INTERTRAN** technology
- Expansion of the unified electronic **CIM / SMGS** consignment note application to a single multimodal document
- Promotion of the **electronic trade platform “Freight Transportation”**
- Use of **satellite technologies**

## MAIN EFFECTS

- Reducing paperwork during border and customs procedures
- Reducing number of documents and eliminating paper workflow (incl. ecological aspect)
- Increasing transportation speed and freight safety

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