



**UNECE TER MASTER PLAN FOLLOW-UP**



# **NEW RAIL TRANSPORT PRIORITIES IN EUROPE AND THE NEIGHBOURHOOD COUNTRIES**

**OSCE-UNECE Inter-regional Workshop  
on Developing Euro-Asian Transport Links**

**Turkmenbashy, 7 - 8 December 2010**



# UNECE TER MASTER PLAN FOLLOW-UP

MAP No. 1

TRANS-EUROPEAN NORTH-SOUTH MOTORWAY (TEM) NETWORK

**TEM AND TER MASTER PLAN  
REVISION MEMBER COUNTRIES**





# UNECE TER MASTER PLAN FOLLOW-UP

Conference on Financing development of road and rail transport infrastructures  
17 November 2010, OSCE Conference Centre Hofburg, Heldenplatz, Vienna

## CONCLUSIONS

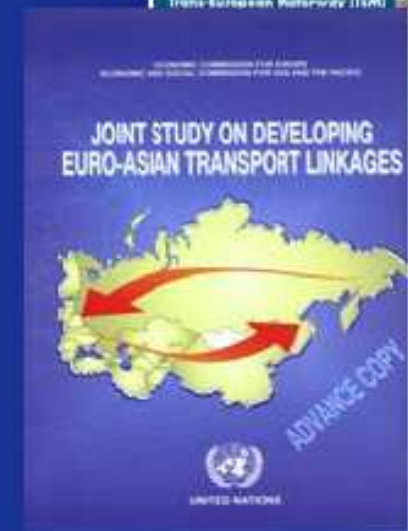
- Investment projects
  - must be sound,
  - feasibility studies with rigorous cost-benefit analysis
  - social and environmental impact assessments
- PPPs
  - not more than 10-15 percent of all transport investment is likely to attract private funding and private participation
  - Infrastructure pricing –
- closer cooperation between the TEM/TER and EATL projects shall be fostered.
- Technical Assistance is needed to improve the technical absorption capacity of the countries, i.e. to prepare and implement road a rail investment projects.



# Multi-country investment planning – UNECE Regional Projects

Investment planning tools  
used in:

- TEM - TER Master Plan
- Euro-Asian Transport Linkages





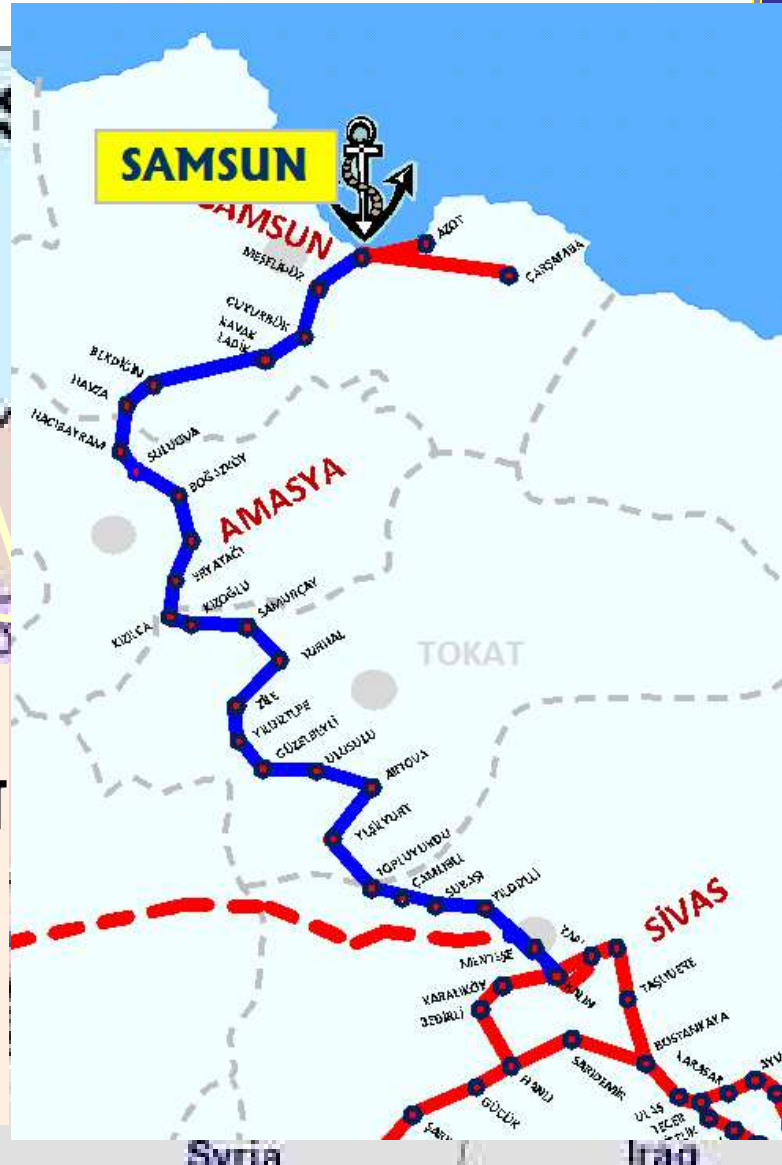
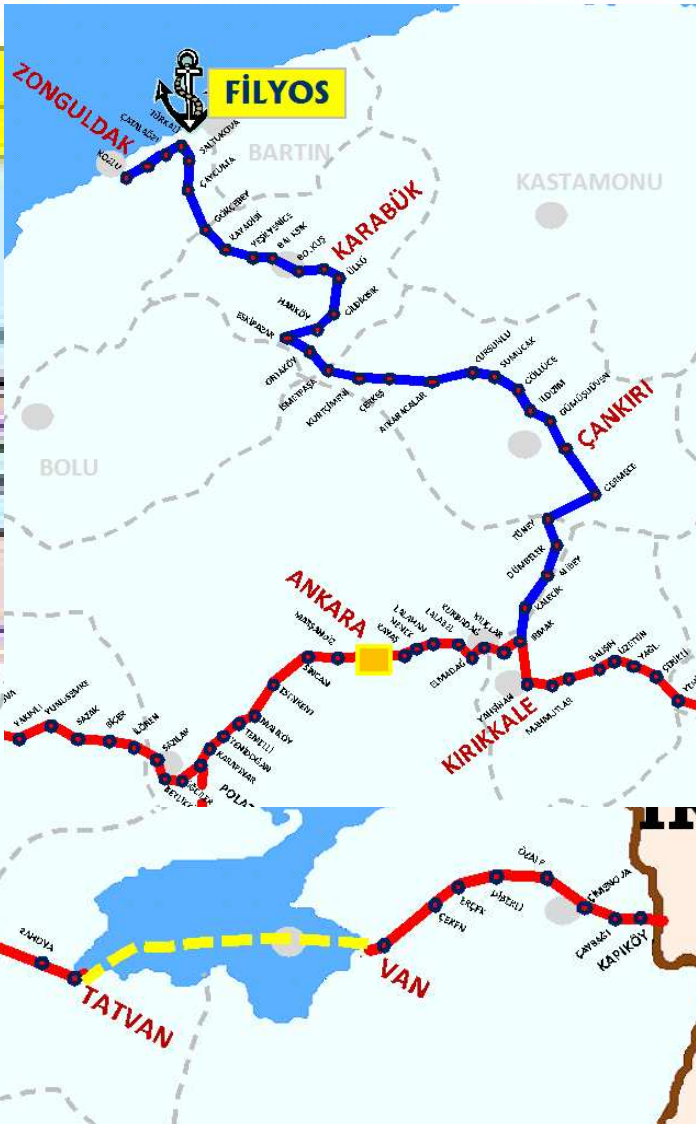


BULGARIA

TURKEY - TE



**Corridor:** *Bucharest, Russe* – 1. Kapikule – 2. Tekirdag – 3. Bandirma – 4. Afyon – 5. Yenice – 6. Fefzipasa /Syrian border



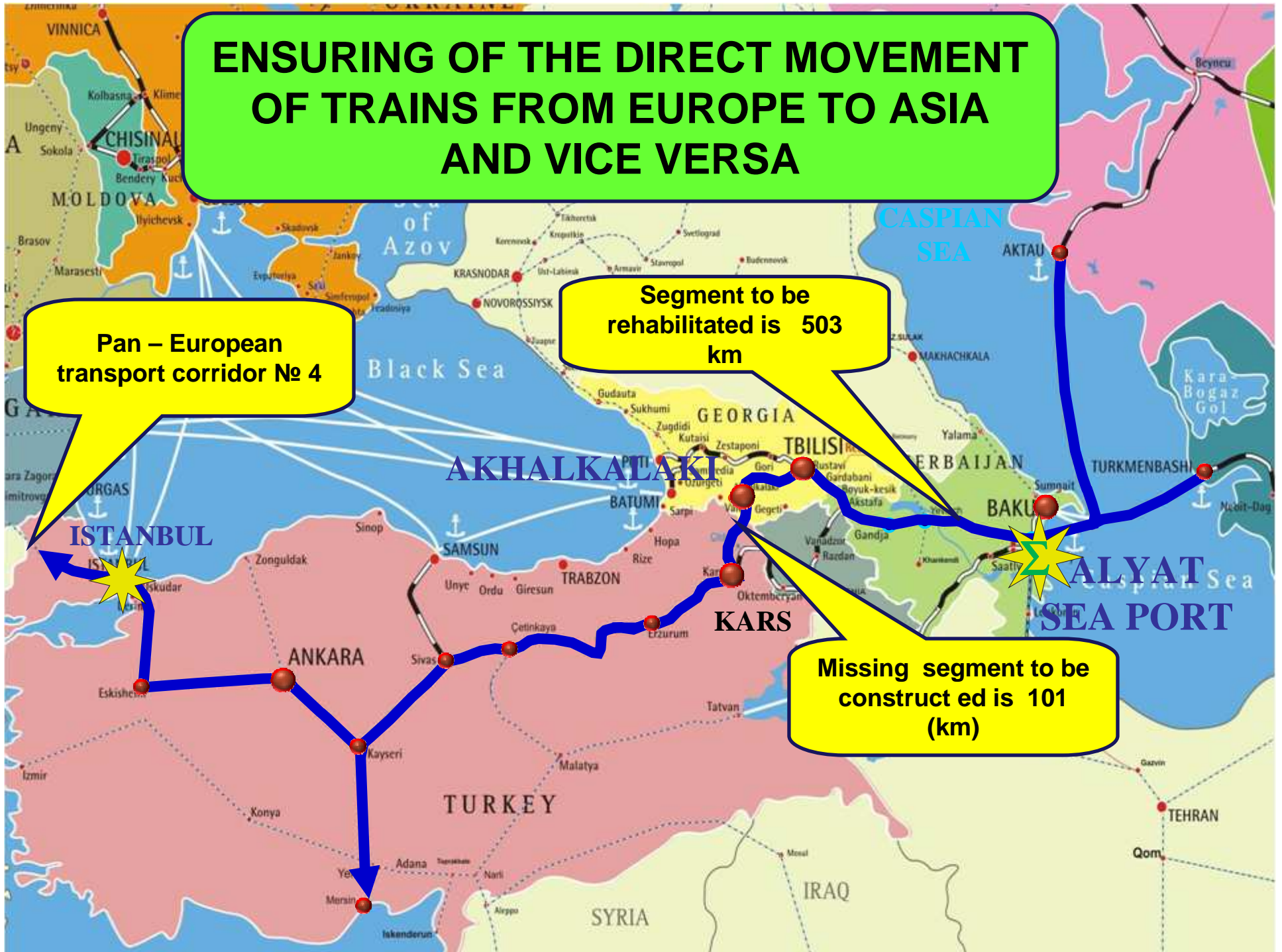
**Corridor IV:** Constanza, *ferry boat to* 1. Zonguldak – 2. Irmak – 3. Kapikoy (Iran border)

# ENSURING OF THE DIRECT MOVEMENT OF TRAINS FROM EUROPE TO ASIA AND VICE VERSA

Pan – European transport corridor № 4

Segment to be rehabilitated is 503 km

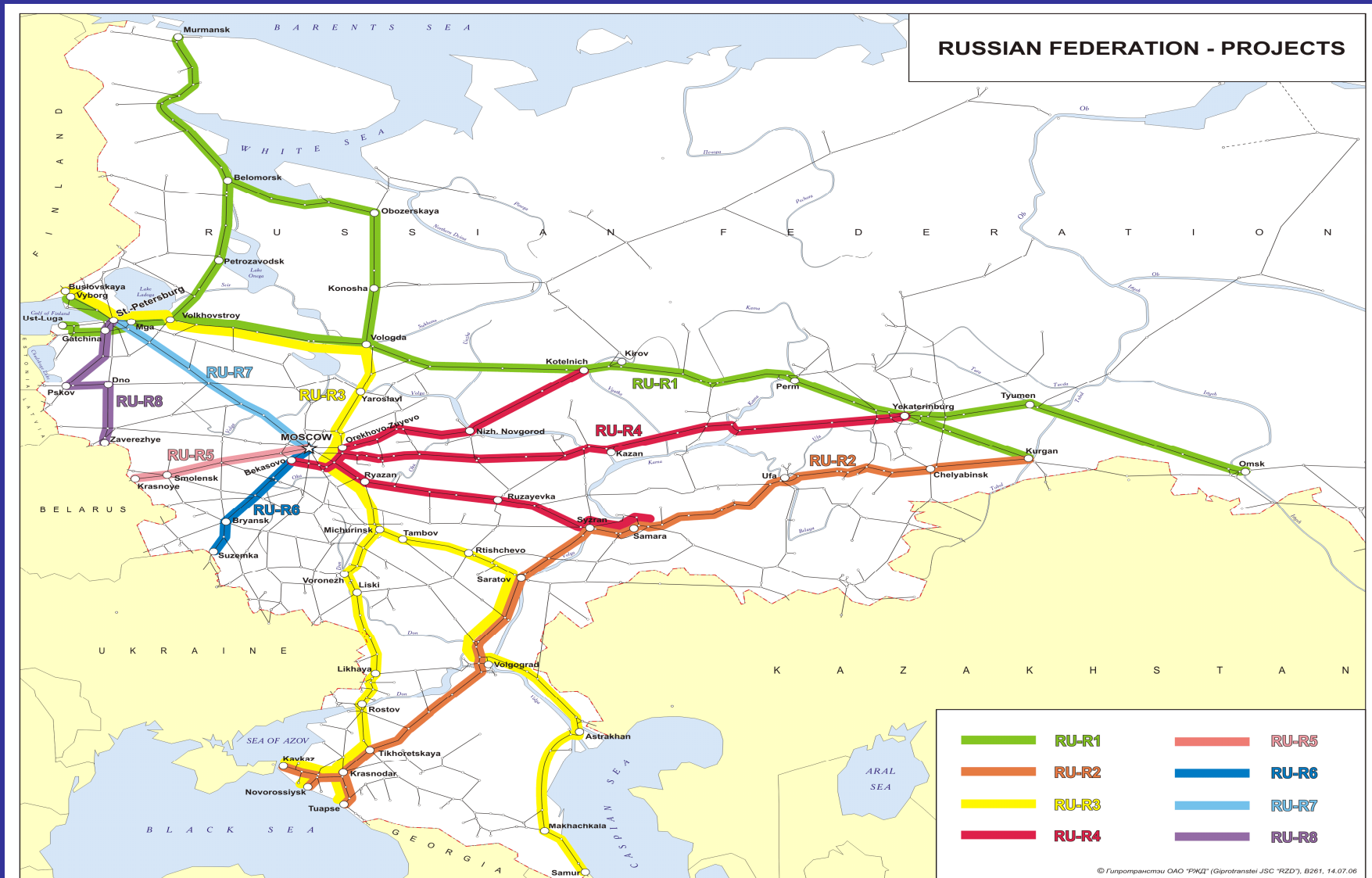
Missing segment to be constructed is 101 (km)







# UNECE TER MASTER PLAN FOLLOW-UP



Turkmenbashi, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP

## RUSSIA'S RAIL SYSTEM DEVELOPMENT STAGES



### 2008-2015 Railway Transport Modernization

- ➔ Conversion into an effective transportation and logistics holding company
- ➔ Quick modernization of existing resources and infrastructure
- ➔ Financing investment projects using the investment fund monies
- ➔ Expansion of state-to-private partnership
- ➔ Improving rail access to Russian seaports
- ➔ Construction of St. Petersburg – Moscow high-speed railway
- ➔ Intensification of design and survey work for the construction of new railway lines

### 2016-2030 Dynamic Expansion of Railway Network

- ➔ Full-scale implementation of state policy for railway industry development
- ➔ Rail network expansion
- ➔ Compliance with international standards of technological development
- ➔ Increase in container freight traffic to 1 bln TEU per year
- ➔ Establishment of common transportation space within EurAsEC

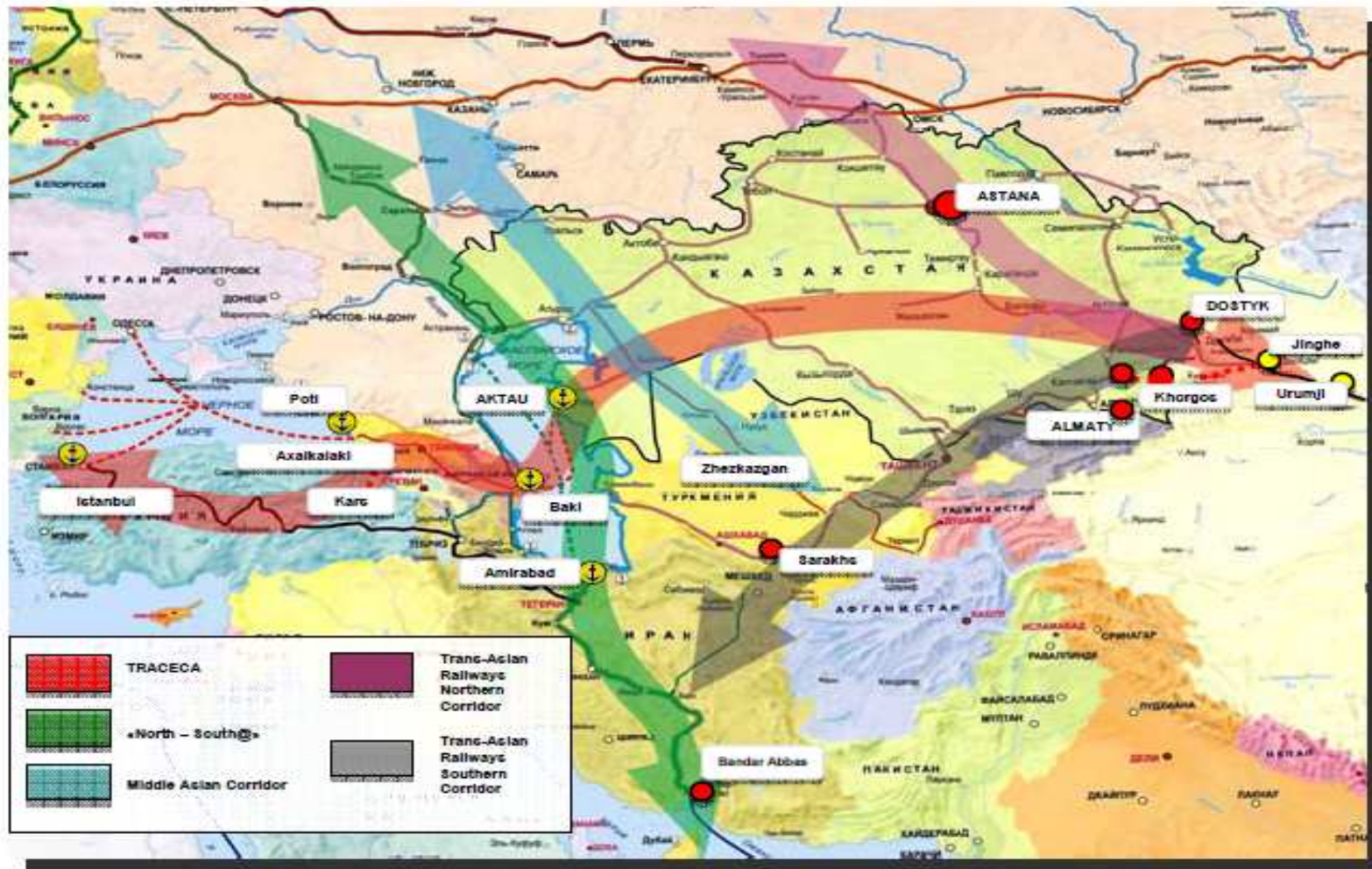
The estimated investment into the railway industry between 2008 and 2030 (in 2007 prices) is 325.7 to 394.3 bln Euros, depending on the option selected

Slide 2



# UNECE TER MASTER PLAN FOLLOW-UP

## KAZAKHSTAN IN THE SYSTEM OF INTERNATIONAL TRANSPORT CORRIDORS



Turkmenbashi, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP

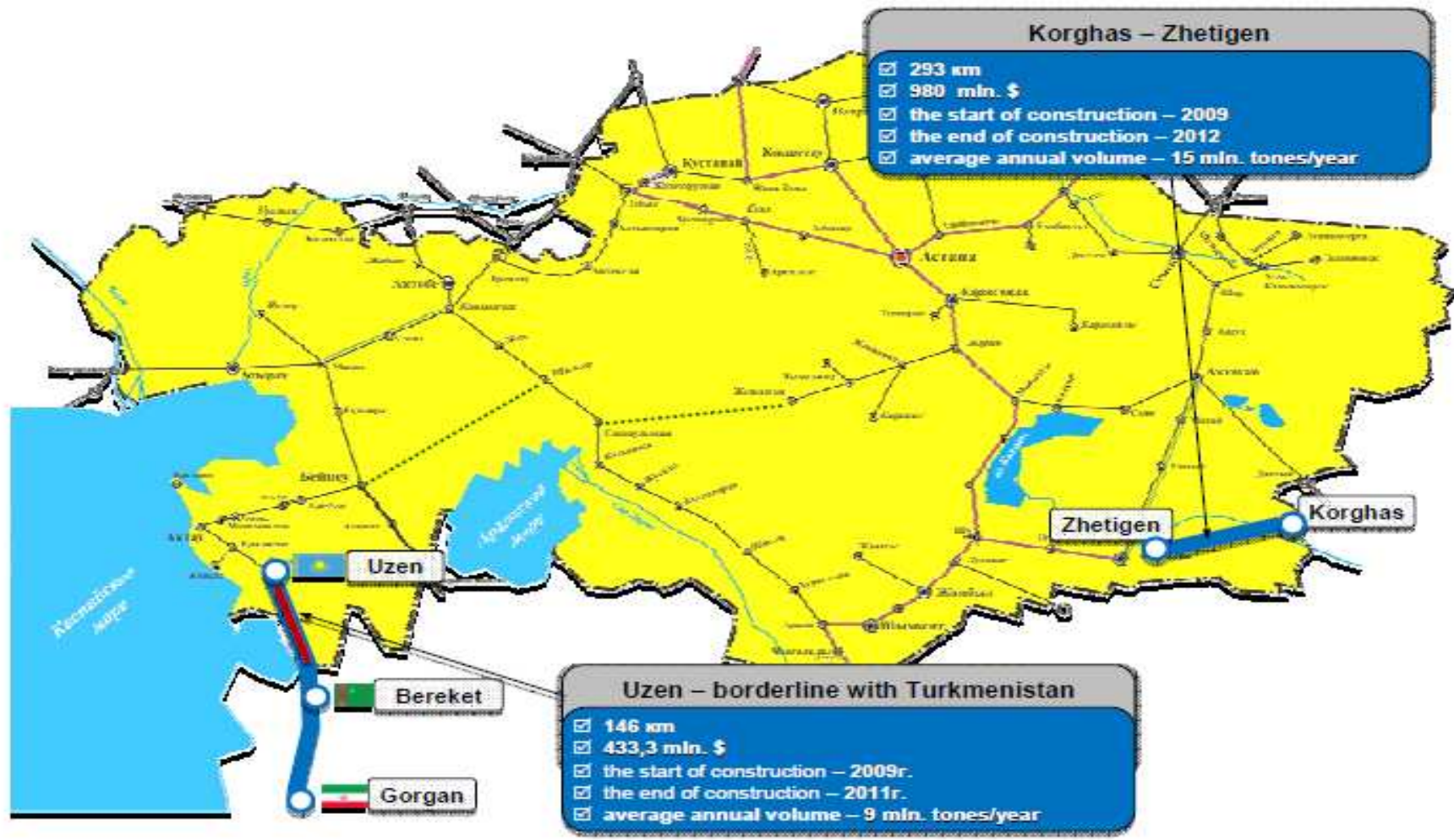


Turkmenbashy, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP

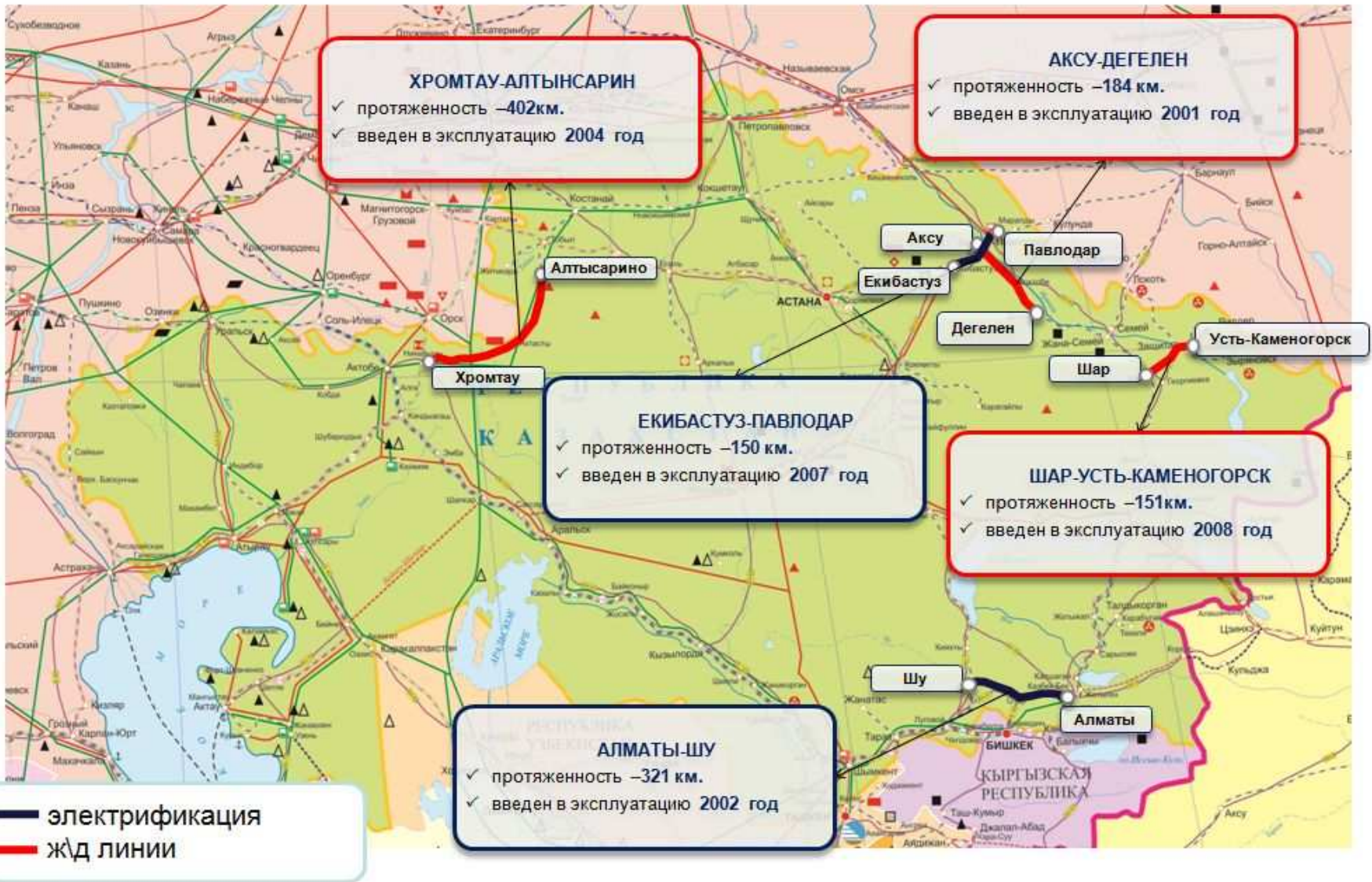
## INFRASTRUCTURE PROJECTS IN RAILWAY TRANSPORT



Turkmenbasy, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP







# UNECE TER MASTER PLAN FOLLOW-UP

## THE «WESTERN EUROPE – WESTERN CHINA» INTERNATIONAL ROAD CORRIDOR



**Length on the territory of Kazakhstan – 2 787 km**  
**Length of the sections to be reconstructed on the territory of Kazakhstan – 2 452 km**  
**Total cost of the project – \$ 5.5 billion**  
**□ Implementation period – 2009-2012**





# UNECE TER MASTER PLAN FOLLOW-UP



Turkmenbashy, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP

## Central Route



Turkmenbashi, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP



Turkmenbashy, 7 - 8 December 2010



## UNEP TER MASTER PLAN FOLLOW-UP

### Результаты предварительного ТЭО и комплексного анализа строительства железнодорожной магистрали Китай – Кыргызстан – Узбекистан

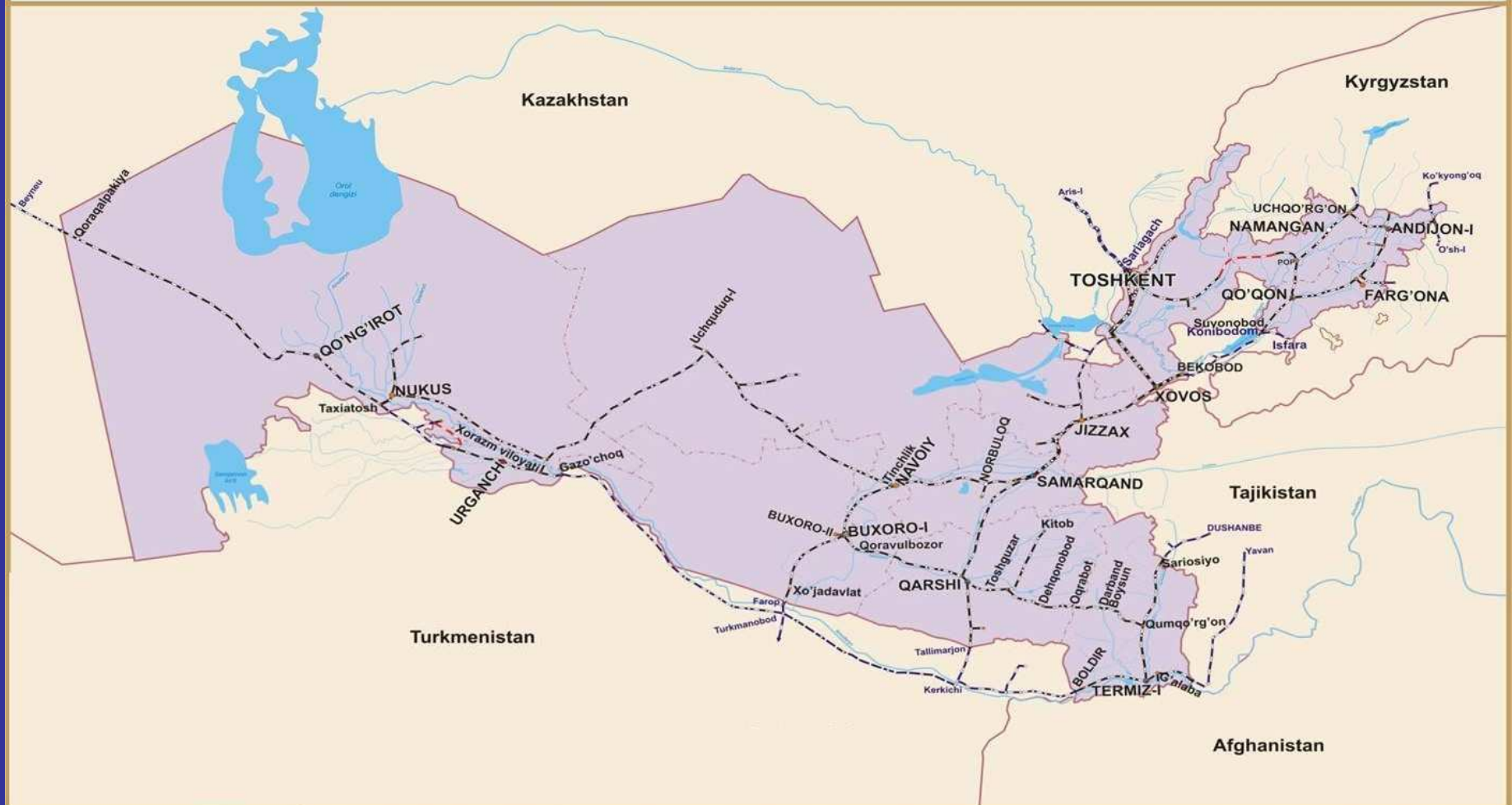
- Уточнено прохождение трассы ж.д. линии, которая **короче более чем на 900 км** существующих коридоров и сокращает время в пути грузов и пассажиров **на 7-8 дней**.
- Сделан вывод о необходимости строительства железнодорожной магистрали, соединяющей Китай, Кыргызстан и Узбекистан и о преимуществах этой магистрали.
- Вывод о технической и экономической осуществимости и экологической безопасности магистрали.



# UNECE TER MASTER PLAN FOLLOW-UP



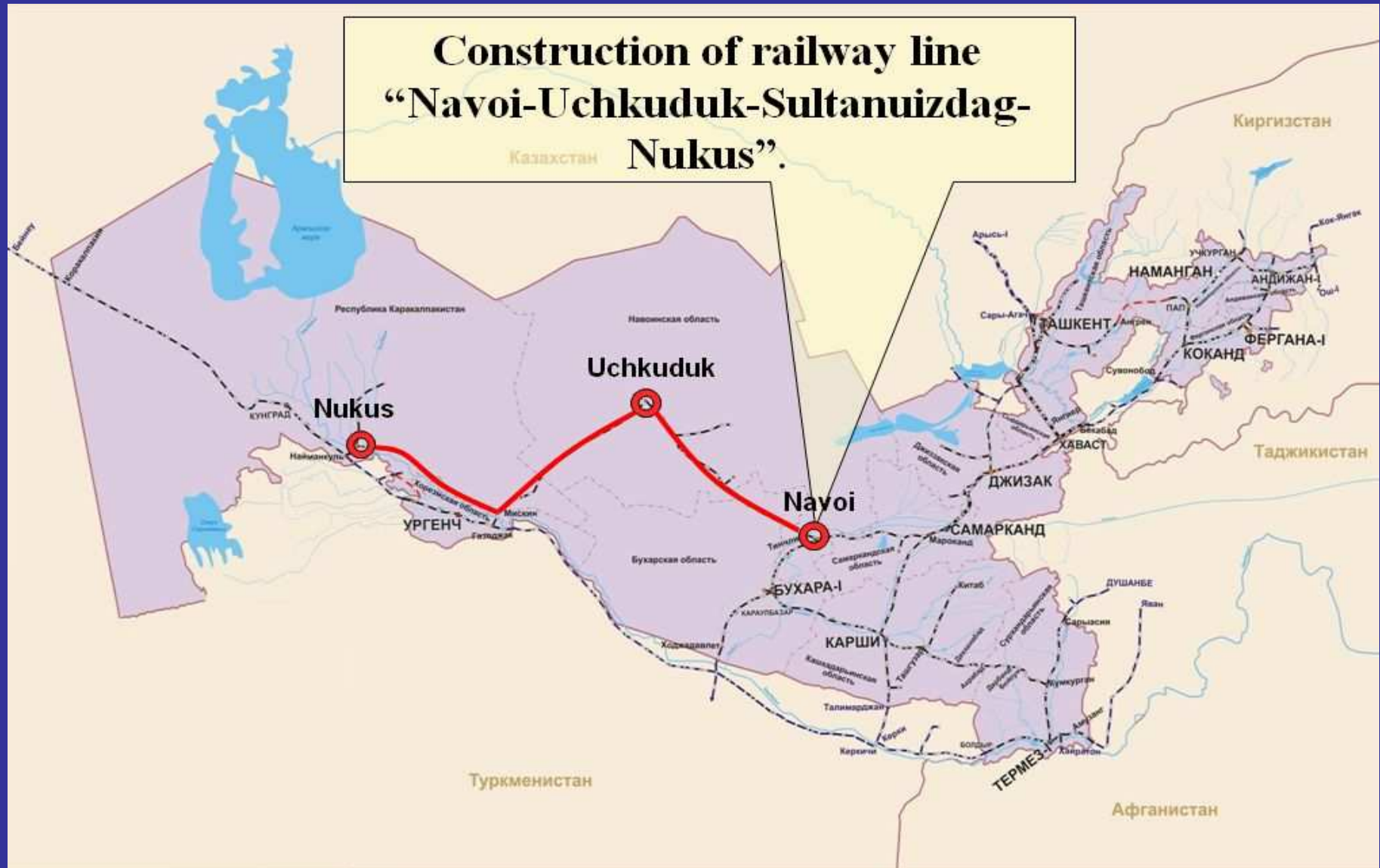
## UZBEKISTAN RAILWAYS



Turkmenbashi, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP





## UNECE TER MASTER PLAN FOLLOW-UP

**340 km long new railway line  
“Navoi-Uchkuduk-Sultanuizdag-Nulus”,  
implemented at the expense of UTY**



Turkmenbashi, 7 - 8 December 2010



## UNECE TER MASTER PLAN FOLLOW-UP

**“Reconstruction of the Railways of Uzbekistan”**

**“Modernization of the Railways of Uzbekistan”**

**Investor: Asian Development Bank**

**“Electrification of the railway line between Tashkent and Angren”**

**Investors: KfW and Kuwait Fund of Arabic Economic Development**

**“UTY Passenger locomotives fleet upgrade”**

**Procurement of 15 passenger electric locomotives**

**At the expense of the loan of China**

**“Development of railway maintenance base and organisation of  
wagons construction”**

**Investor: European Bank for Reconstruction and Development**





# UNECE TER MASTER PLAN FOLLOW-UP

USD 447,5 mln. worth of investments were spent for construction of the railway line "Tashguzar-Boysun-Kumkurgan"





## UNECE TER MASTER PLAN FOLLOW-UP



**Ferroconcrete railway bridge with ferroconcrete superstructures**



**Railway bridge with iron superstructures**

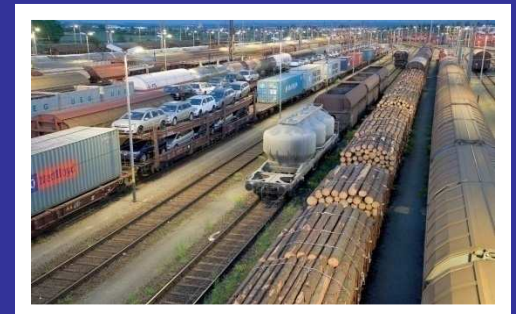


# Revision of the TER Master Plan

## Main Results

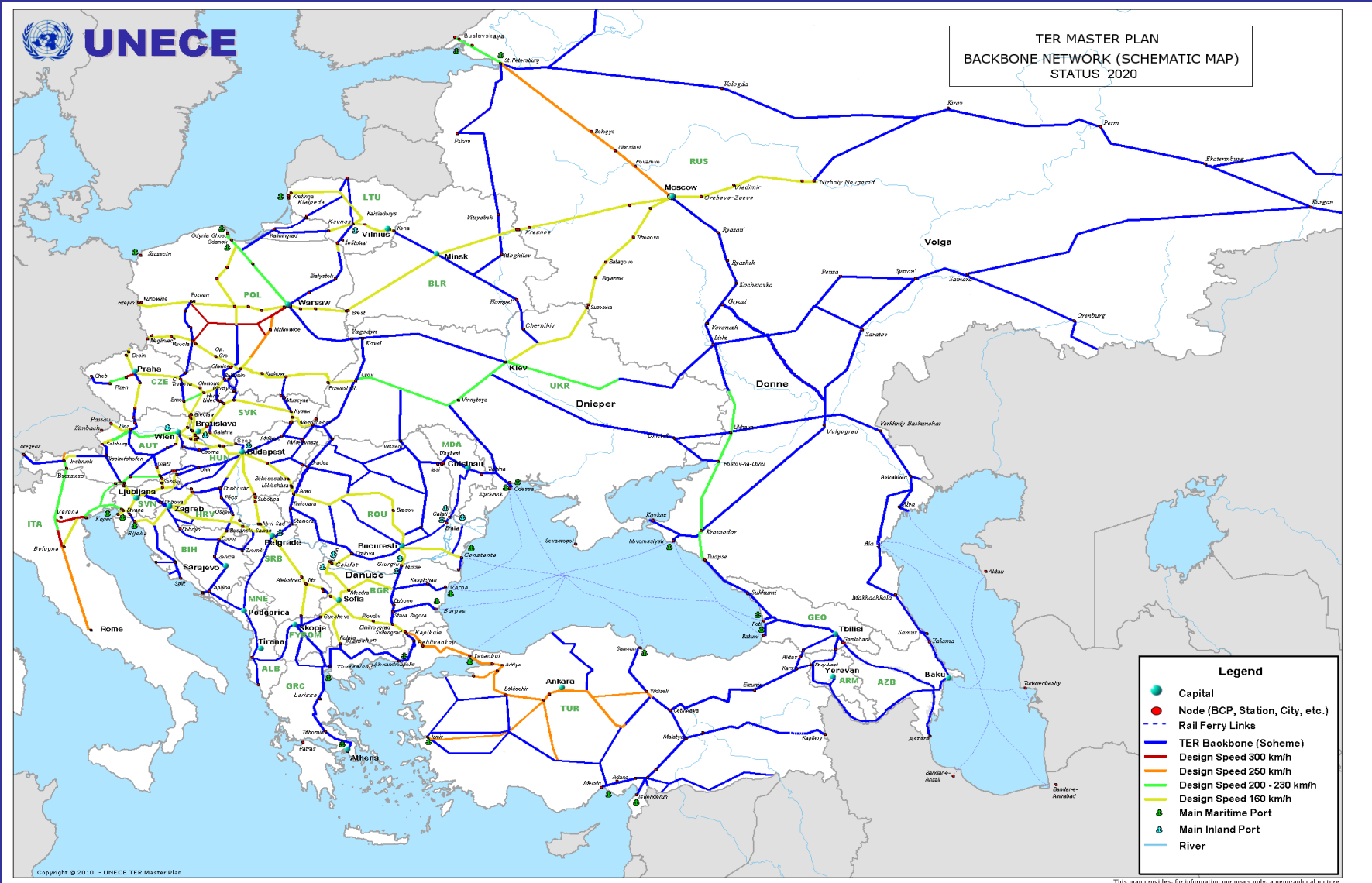
- Methodological framework for prioritisation
- TER Master Plan Backbone Network
- Priority projects for implementation up to 2020
- Cost estimates and available finance
- Border crossing problems and ameliorative actions
- Impacts of the EU Railway infrastructure
- GIS background work

Turkmenbashi, 7 - 8 December 2010





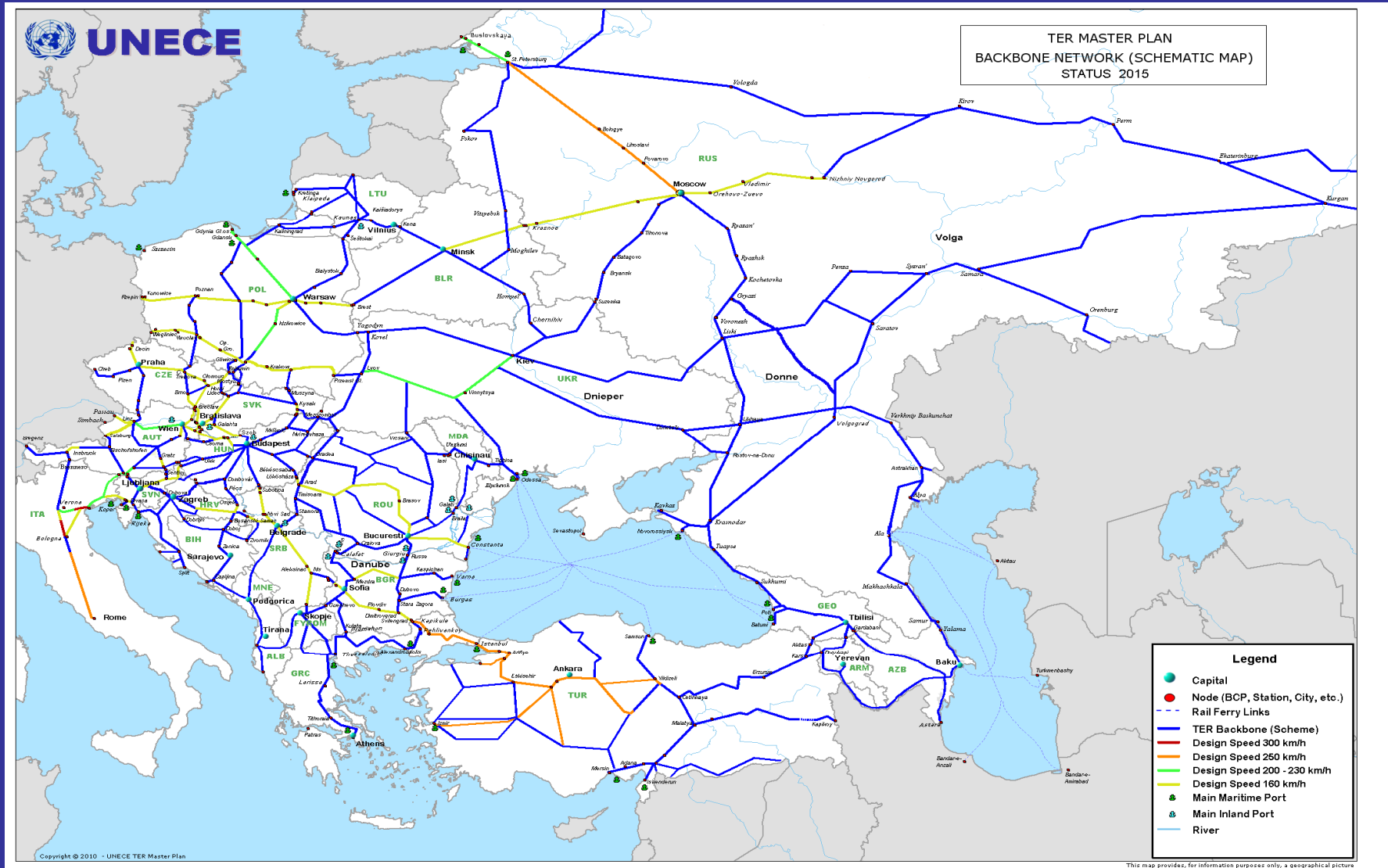
# UNECE TER MASTER PLAN FOLLOW-UP



Turkmenbashy, 7 - 8 December 2010



# UNECE TER MASTER PLAN FOLLOW-UP



Turkmenbashi, 7 - 8 December 2010



Thank you for your attention!