

Comparative Analysis of CAREC Corridors

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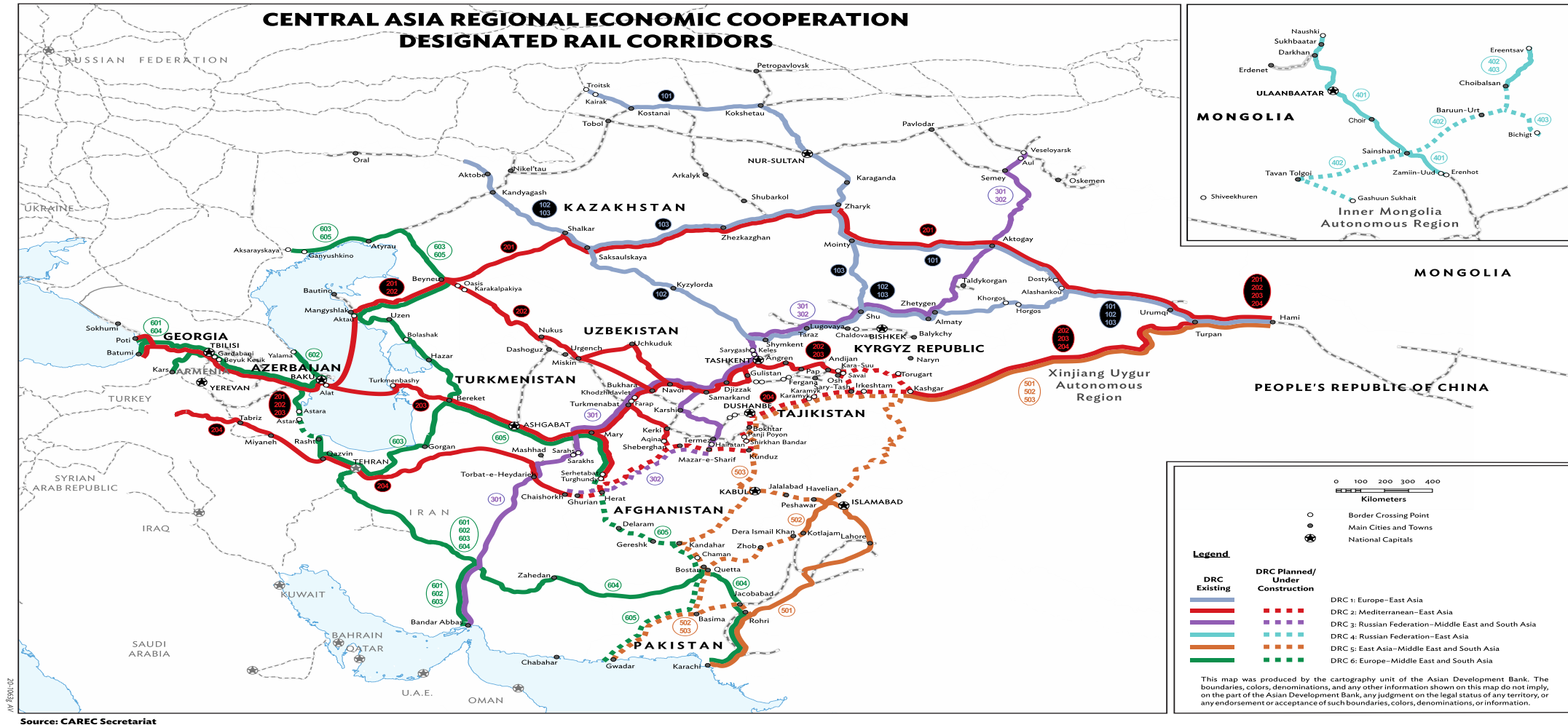
CAREC Corridors Performance Measurement and Monitoring (CPMM)

CPMM is a tool to assess the efficiency of CAREC transport corridors:

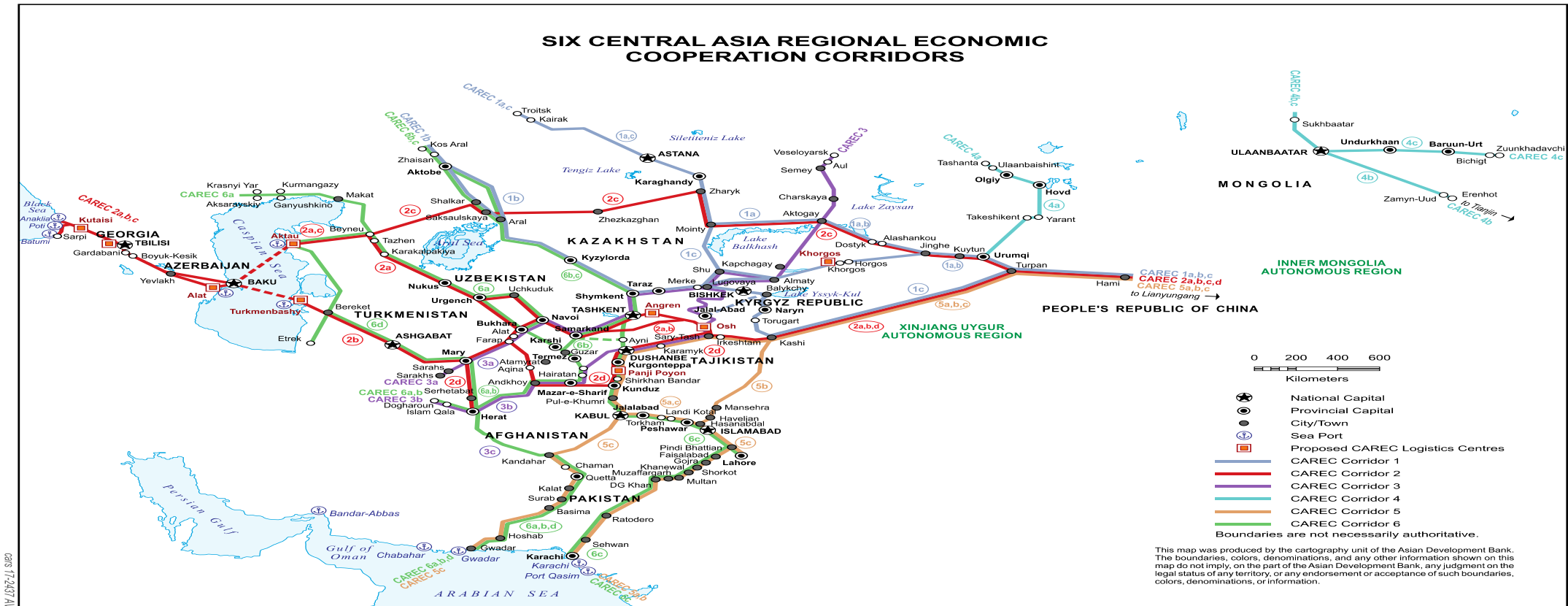
- i. identifies causes of delays and unnecessary costs along the CAREC corridor, including border-crossing points and intermediate stops.
- ii. helps authorities determine where and how to address identified bottlenecks.
- iii. assesses the impact of regional cooperation initiatives.



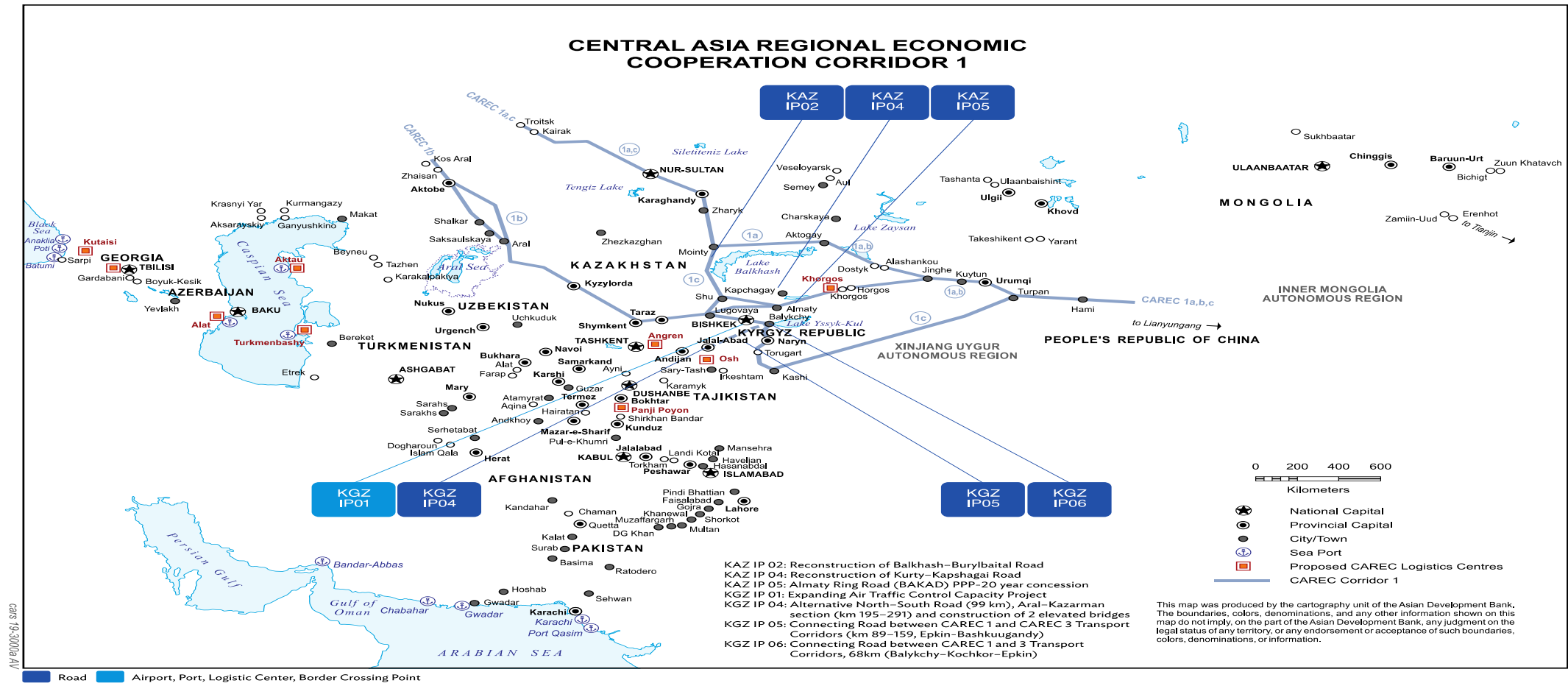
Designated Rail Corridors



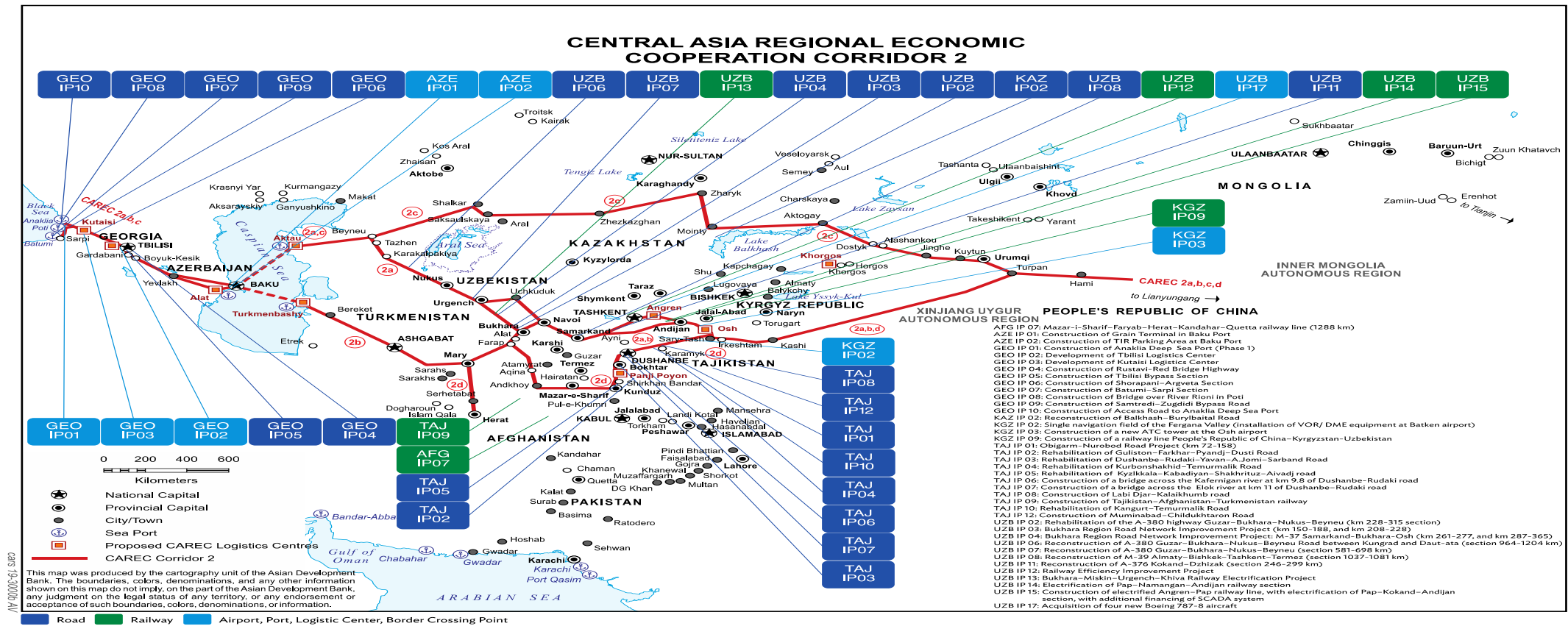
Designated Road Corridors



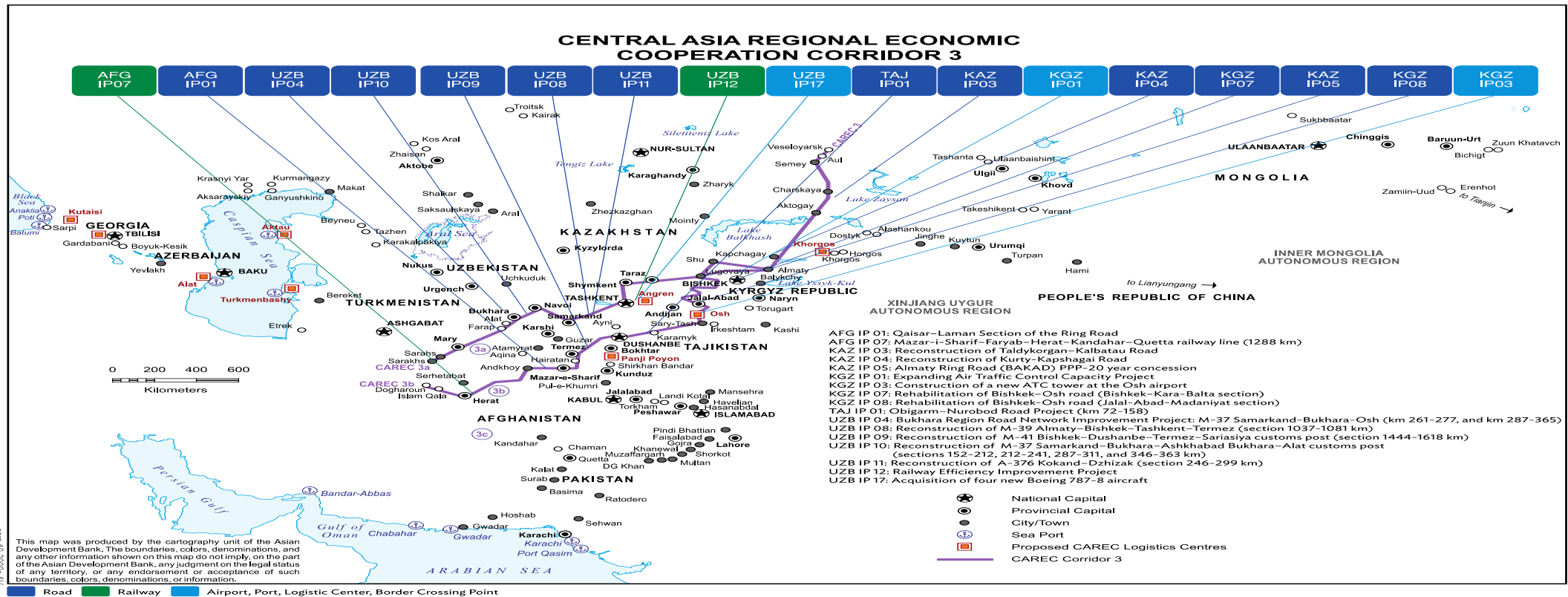
Corridor 1: Europe-East Asia



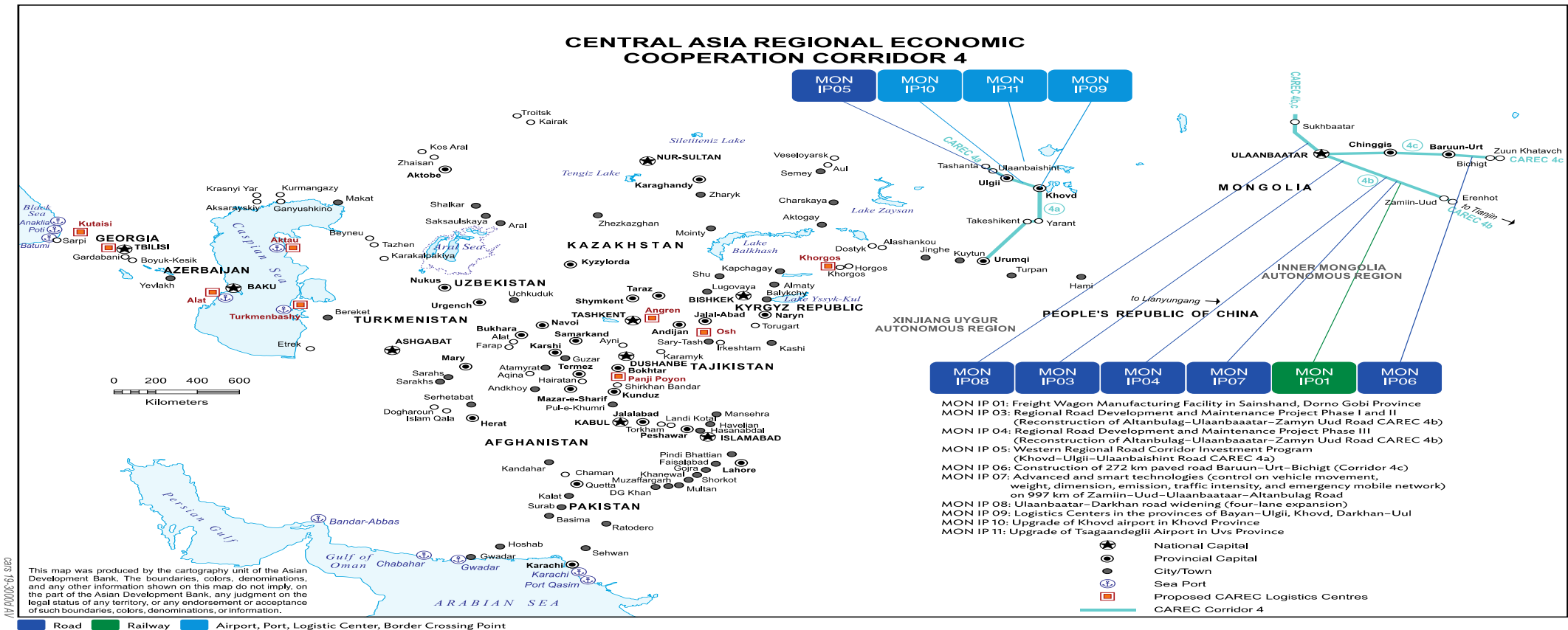
Corridor 2: Europe-Mediterranean-East Asia



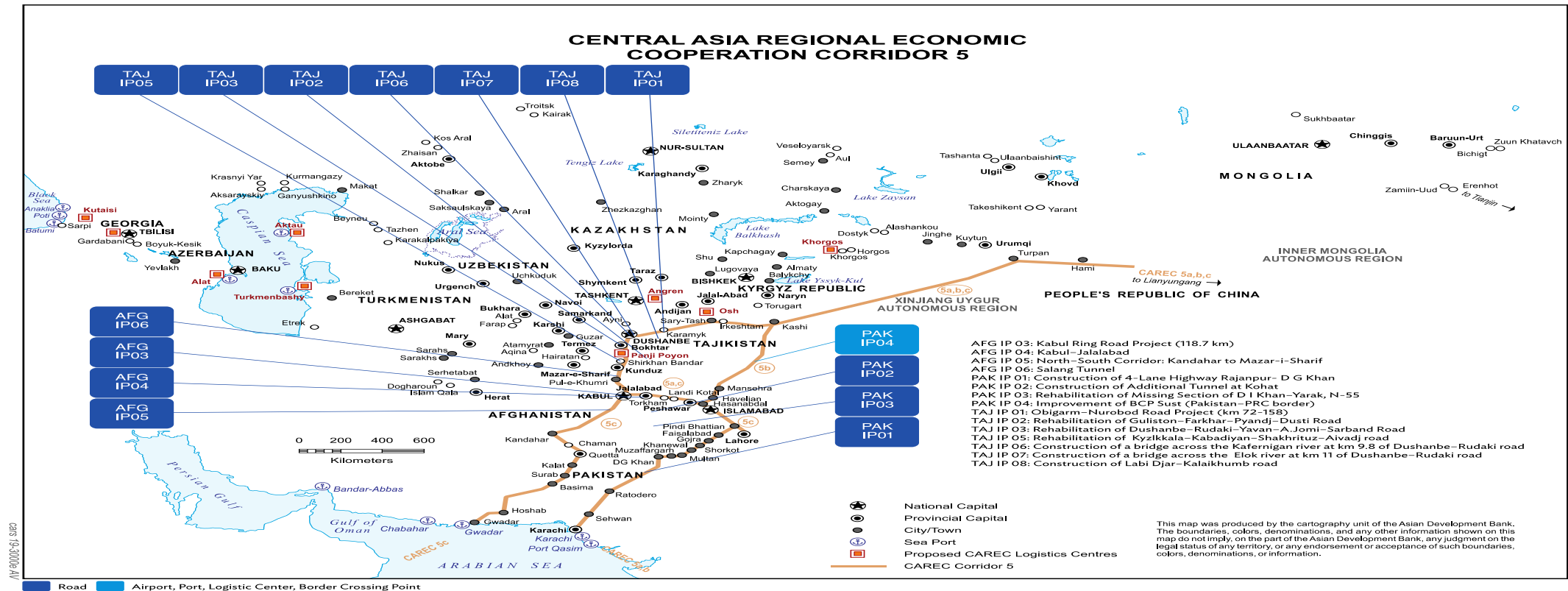
Corridor 3: Russian Federation-East Asia-South Asia



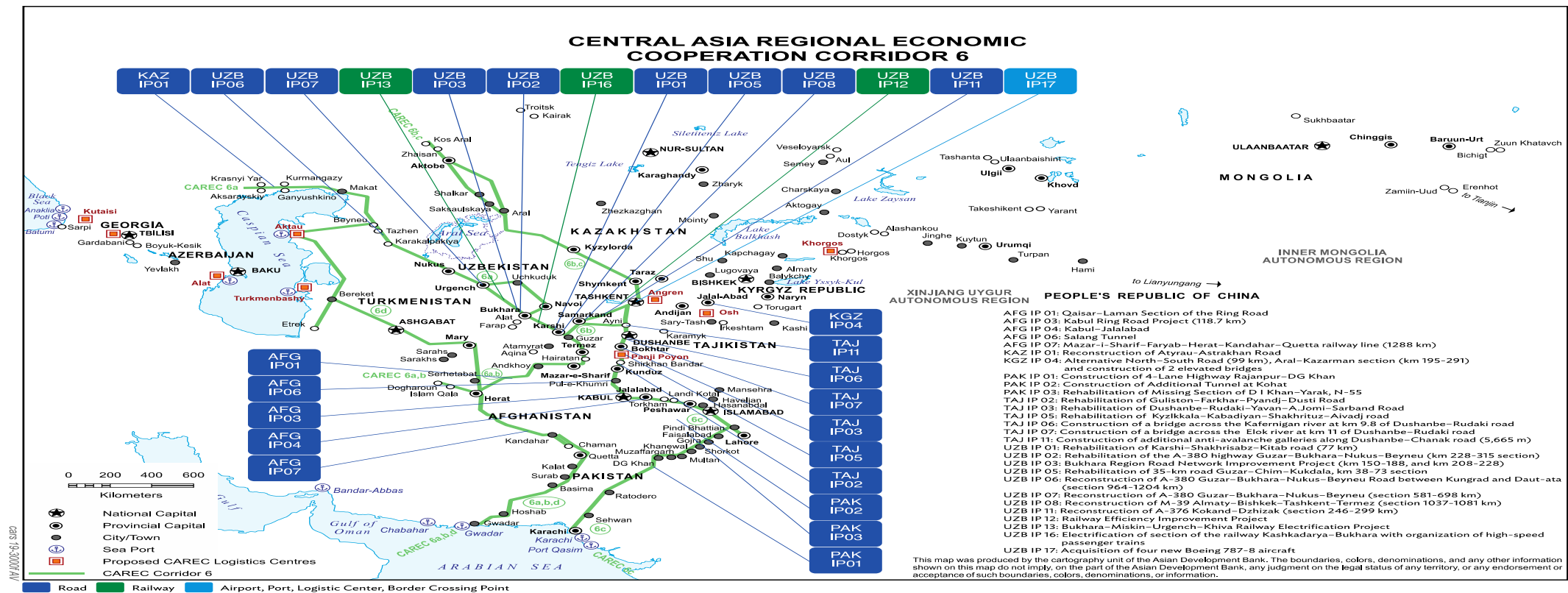
Corridor 4: Russian Federation-East Asia



Corridor 5: East Asia-Middle East and South Asia



Corridor 6: Europe-Middle East and South Asia



Trade Facilitation Indicators (TFIs)

TFI1

Time taken to clear a BCP
in hours

TFI2

Costs incurred at a BCP
in \$

TF3

Costs incurred while traveling along a
corridor section, *in \$*

TFI4

Speed of travel along a corridor section
(Speed with delay), *in kp/h*

TF1 by Corridors

TFI1

Time taken to clear a border crossing point (hr)

	Overall				Road				Rail			
	Freq	Mean	Med	CV	Freq	Mean	Med	CV	Freq	Mean	Med	CV
TFI	7,260	15.8	8.1	138.7	5,435	12.2	6.0	137.1	2,016	20.6	10.5	118.5

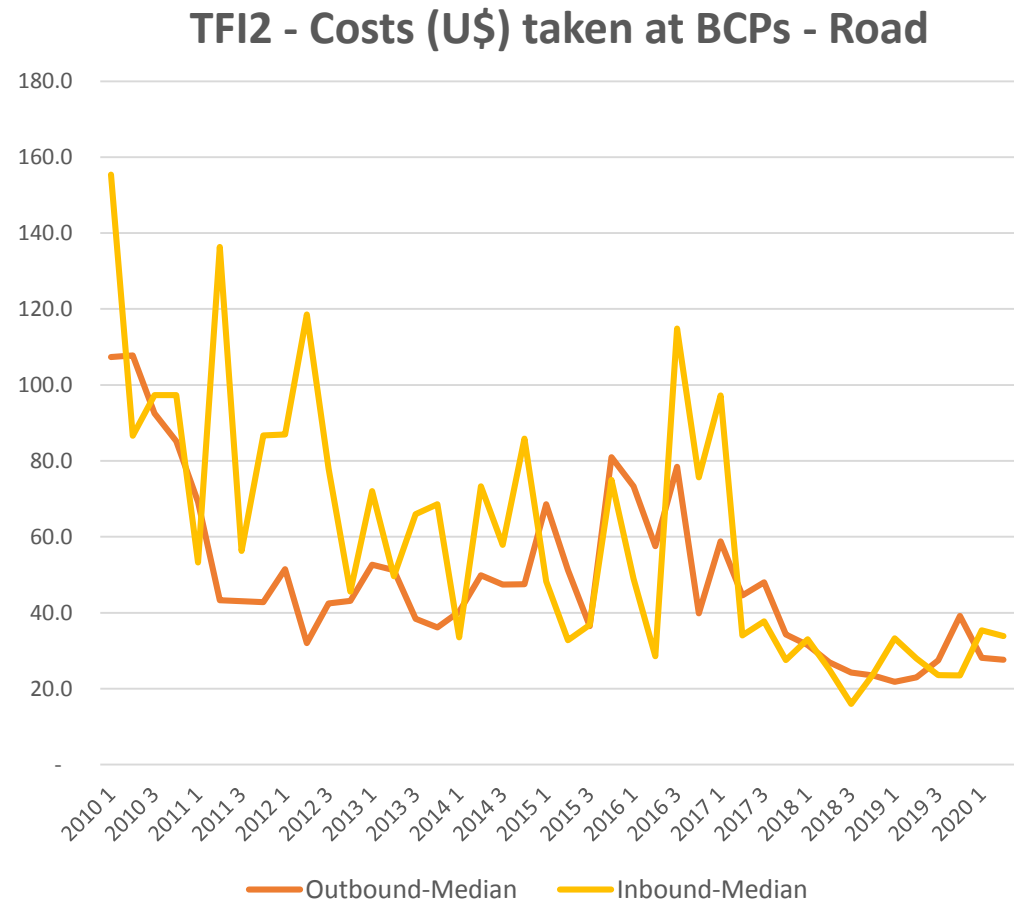
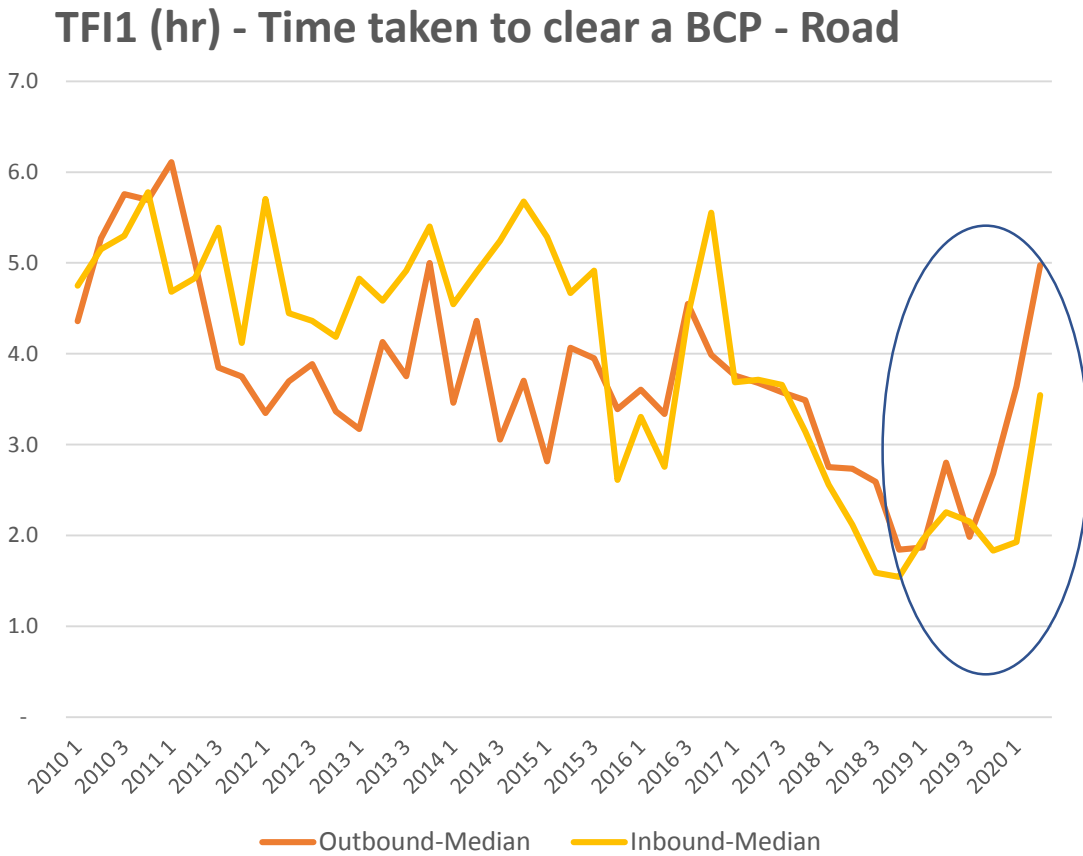
Corridors

1	1,499	22.5	15.0	117.6	371	6.9	2.3	244.0	1,128	27.6	20.0	97.8
2	719	15.0	8.3	217.6	716	7.6	7.3	128.7	1	12.0	12.0	
3	587	4.6	2.7	92.0	486	5.2	3.4	84.1	101	1.7	1.3	77.6
4	1,740	8.2	3.3	174.6	1,267	3.9	2.5	162.7	582	15.7	10.0	122.2
5	1,032	28.0	24.0	76.8	1,032	28.0	24.0	76.8				
6	1,683	14.6	9.8	111.8	1,563	14.0	9.6	115.4	204	4.6	3.9	40.7

TF1 – Yearly Trends

		Annual									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Road											
TFI1	Time taken to clear a border crossing point (hr)	6.3	6.2	8.8	5.6	9.9	9.3	11.3	16.9	12.0	12.2
TFI2	Cost incurred at border crossing clearance (US\$)	192	150	145	236	177	149	160	159	155	162
TFI3	Cost incurred to travel a corridor section (per 500km, per 20-ton cargo)	758	1,093	1,068	1,596	1,359	1,341	1,174	947	953	901
TFI4	Speed to travel on CAREC Corridors (kph)	24.4	24.2	25.9	22.3	22.9	23.2	22.3	22.2	23.4	22.6
SWOD	Speed without delay	41.0	43.0	39.4	37.8	42.0	40.2	41.7	45.0	46.3	43.6
TFI3b	Transit Cost (per 500km, per 20-ton cargo)	650	907	874	1,369	1,129	1,119	884	678	810	840
Rail											
TFI1	Time taken to clear a border crossing point (hr)	22.1	26.1	25.3	29.9	32.6	27.4	25.9	26.2	23.2	20.6
TFI2	Cost incurred at border crossing clearance (US\$)	160	265	280	229	148	208	215	202	196	198
TFI3	Cost incurred to travel a corridor section (per 500km, per 20-ton cargo)	464	344	468	911	1,364	1,250	966	976	970	820
TFI4	Speed to travel on CAREC Corridors (kph)	22.3	14.6	14.8	13.3	11.4	14.0	14.3	14.8	15.9	19.0
SWOD	Speed without delay	27.2	30.1	34.4	31.7	32.2	38.3	38.6	37.6	35.4	45.0
TFI3b	Transit Cost (per 500km, per 20-ton cargo)	441	309	419	809	1,136	1,050	798	849	1,010	832

The time and costs taken at borders of CAREC countries have declined over time



Unofficial Payments

Unofficial Payments (All stops: BCPs and nBCPs)

Road	Count							Size (Average), in US\$						
	Overall	1	2	3	4	5	6	Overall	1	2	3	4	5	6
i Border Security / Control	163	-	163	-	-	-	-	4	-	4	-	-	-	-
ii Customs Controls	1,135	2	39	-	1	934	159	92	2	54	-	1	105	29
iii Commercial Inspection	8	-	-	-	-	8	-	18	-	-	-	-	18	-
iv Health / Quarantine	345	1	51	79	-	-	214	4	8	3	4	-	-	4
v Phytosanitary	347	1	49	79	-	-	218	5	6	3	7	-	-	5
vi Veterinary Inspection	29	-	5	24	-	-	-	2	-	3	2	-	-	-
vii Visa / Immigration	149	-	86	63	-	-	-	3	-	4	2	-	-	-
viii Transit Conformity	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ix GAI/Traffic Inspection	-	-	-	-	-	-	-	-	-	-	-	-	-	-
x Police Checkpoint / Stop	2	-	2	-	-	-	-	2	-	2	-	-	-	-
xi Transport Inspection	466	1	170	77	-	-	218	5	6	4	6	-	-	6
xii Weight/Standard Inspection	495	1	193	76	-	-	225	5	10	4	5	-	-	6
xiii Vehicle Registration	486	1	174	100	-	-	211	4	3	4	4	-	-	5
xiv Emergency Repair	10	-	9	-	-	1	-	4	-	3	-	-	10	-
xv Escort / Convoy	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xvi Loading / Unloading	4	1	-	-	1	-	2	10	20	-	-	0	-	9
xvii Road / Bridge Toll	172	-	171	-	1	-	-	5	-	3	-	400	-	-
xviii Waiting/ Queue	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Country Specific TFIs

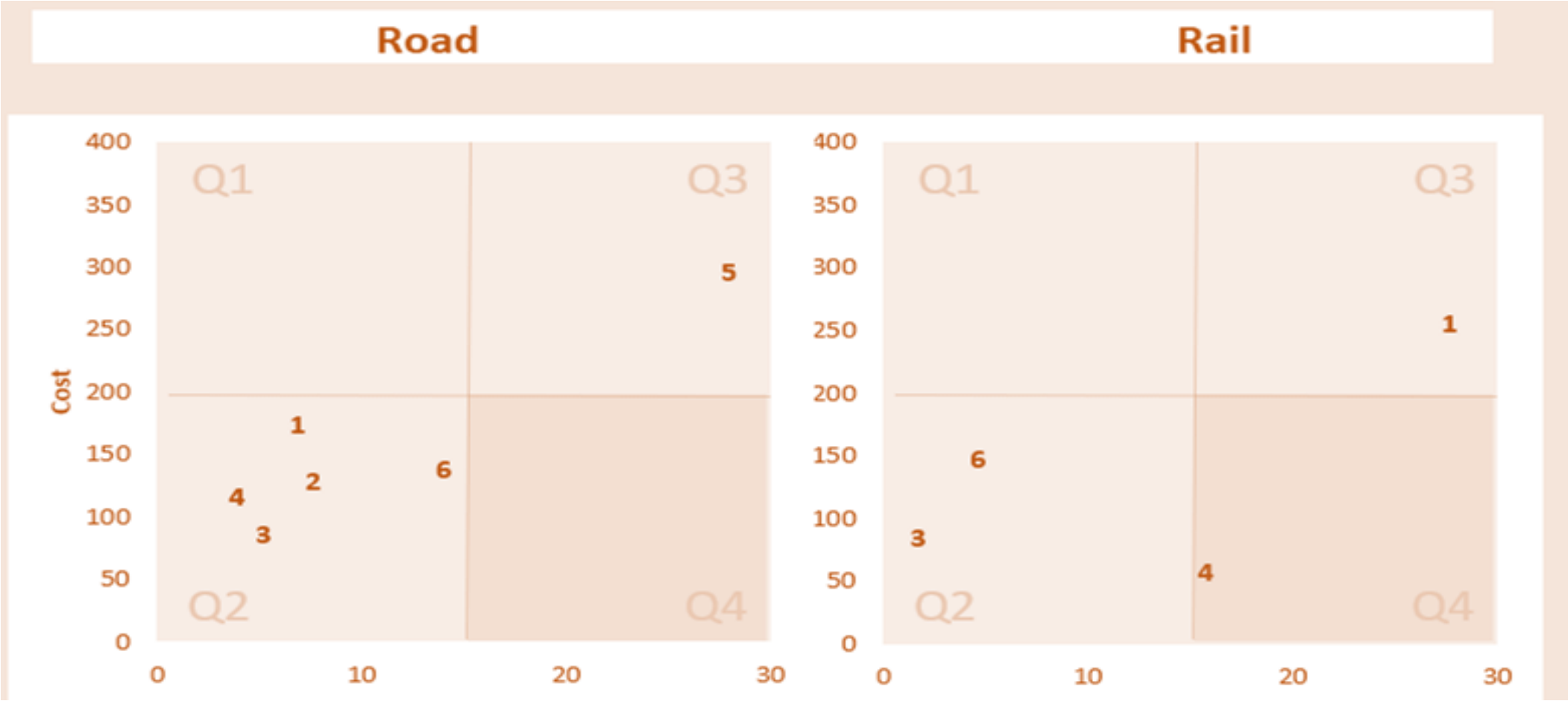
QUICK CHARTS

Choose a country:

Uzbekistan

Country UZB		Annual Indicators										Threshold (%)	
Road Transport		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	3	YoY change
TFI1	Time taken to clear a border-crossing point (hour)	6.4	6.9	11.0	7.2	5.9	5.9	5.9	5.8	8.5	7.8	(8.6)	●
	Outbound	6.8	6.7	12.3	8.2	6.0	5.9	5.9	5.6	8.5	7.8		
	Inbound	5.6	7.3	9.4	5.6	5.7	5.8	6.0	6.1	8.5	7.7		
TFI2	Cost incurred at border-crossing clearance (\$)	151	160	243	51	78	89	99	88	73	87	20.1	●
	Outbound	101	121	132	38	74	81	91	80	66	92		
	Inbound	182	196	342	56	81	96	108	96	80	83		
TFI3	Cost incurred to travel a corridor section (\$, per 500km, per 20-ton cargo)	337	424	468	447	508	445	426	423	477	600	26	●
TFI4	Speed to travel on CAREC Corridors (kmph)	28.5	27.6	28.8	28.5	29.4	29.4	28.5	28.0	28.5	28.6	0.1	●
SWOD	Speed without Delay (kmph)	46.8	46.2	39.5	50.4	50.6	49.3	47.6	46.8	50.8	49.6	(2.3)	●

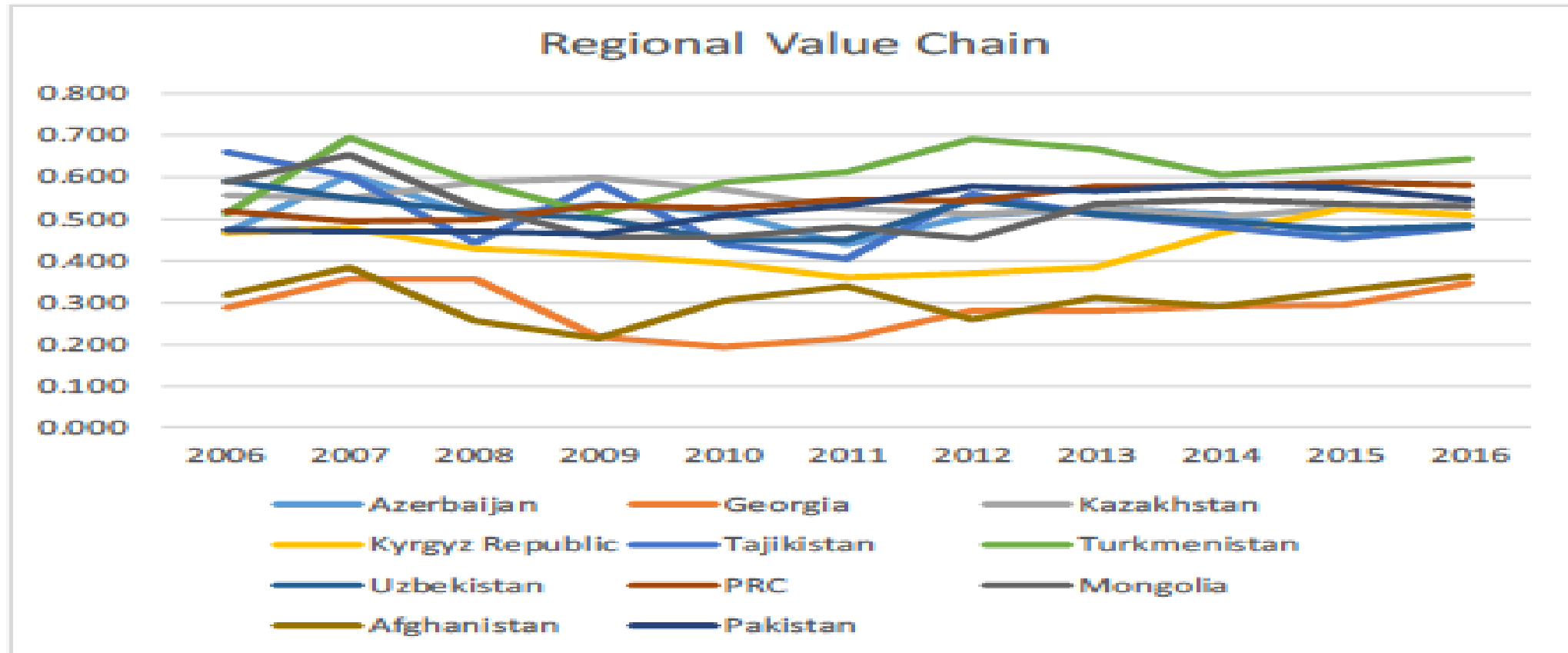
Time and Cost Comparisons



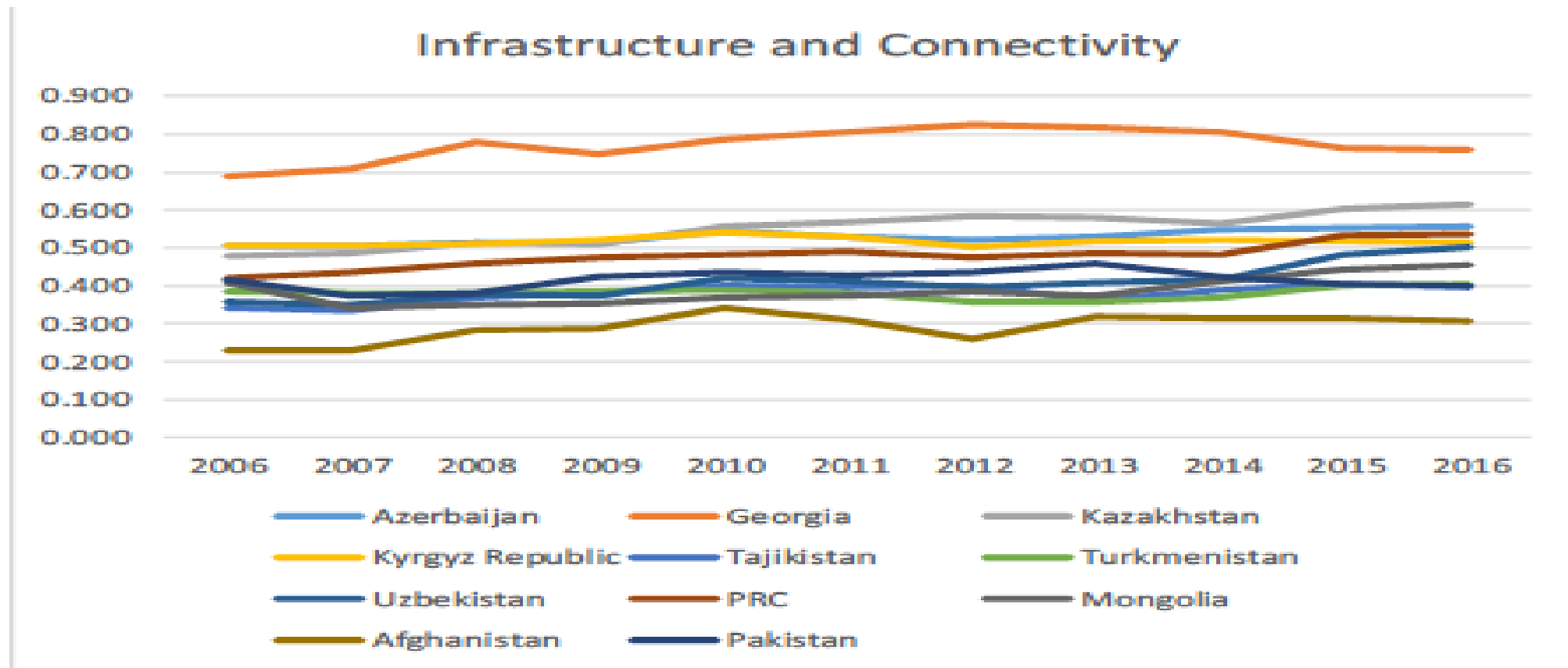
CAREC Regional Integration Index

- Asia Pacific Regional Integration Index (APRII, Huh and Park 2017)
- CRII, Six indicator and 26 sub-dimensions
 - Trade and investment
 - Money and finance
 - **Regional value chains**
 - **Infrastructure and connectivity**
 - Free movement of people, and
 - Institutional and social integration

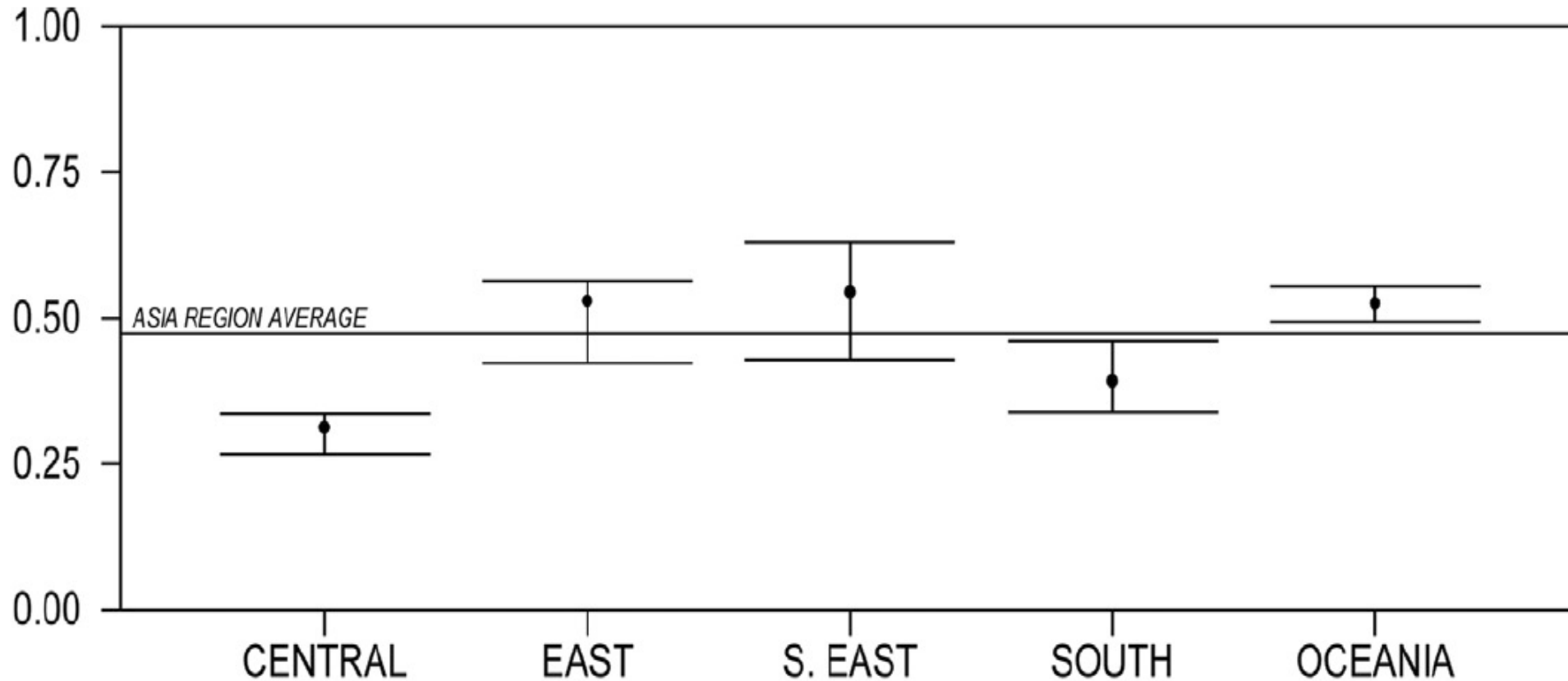
Country Performances on CRII Dimensions-III



Country Performances on CRII Dimensions-IV



ARCI values for selected subregions in Asia



Conclusion

- CAREC's integration score comparison with the rest of the world is not telling. Role of CAREC's network is important to see CAREC's integration with rest of the regional and global value chains.
- Well coordinated logistics platforms for regional and global value chains.
- Faster and efficient multimodal transport facilities at different nodes.
- Reducing border time and cost.

Thanks. Looking forward to having any questions