



## ROAD SAFETY WORKSHOP

18-19 April 2016 • Bangkok, Thailand

Семинар по безопасности дорожного движения

18-19 апреля 2016 г. • Бангкок, Таиланд

# Status of Road Safety on CAREC Corridors

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## CAREC Transport Corridors





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## Details of the CAREC Road Corridors

	Location	Countries Covered	Length (km)	Total Projects	Completed	Ongoing
Corridor 1	Europe to East Asia	KAZ, KGZ, PRC	13,600	20	10	10
Corridor 2	Mediterranean to East Asia	AZE, KAZ, TRK, UZB, TAJ, KYZ, PRC	9,900	30	10	20
Corridor 3	Russian Federation to Middle East and South Asia	AFG, KAZ, KGZ, TAJ, TRK, UZB	6,900	26	14	12
Corridor 4	Russian Federation to East Asia	MON, PRC	2,400	7	3	4
Corridor 5	East Asia to Middle East and South Asia	PRC, KGZ, TAJ, AFG, PAK	3,700	19	8	11
Corridor 6	Europe to Middle East and South Asia	KAZ, TRK, UZB, TAJ, AFG, PAK	10,600	17	6	11
		<b>TOTAL</b>	<b>29,350*</b>	<b>119</b>	<b>51</b>	<b>68</b>

\*Note: portions of corridors overlap.

Source: CAREC website







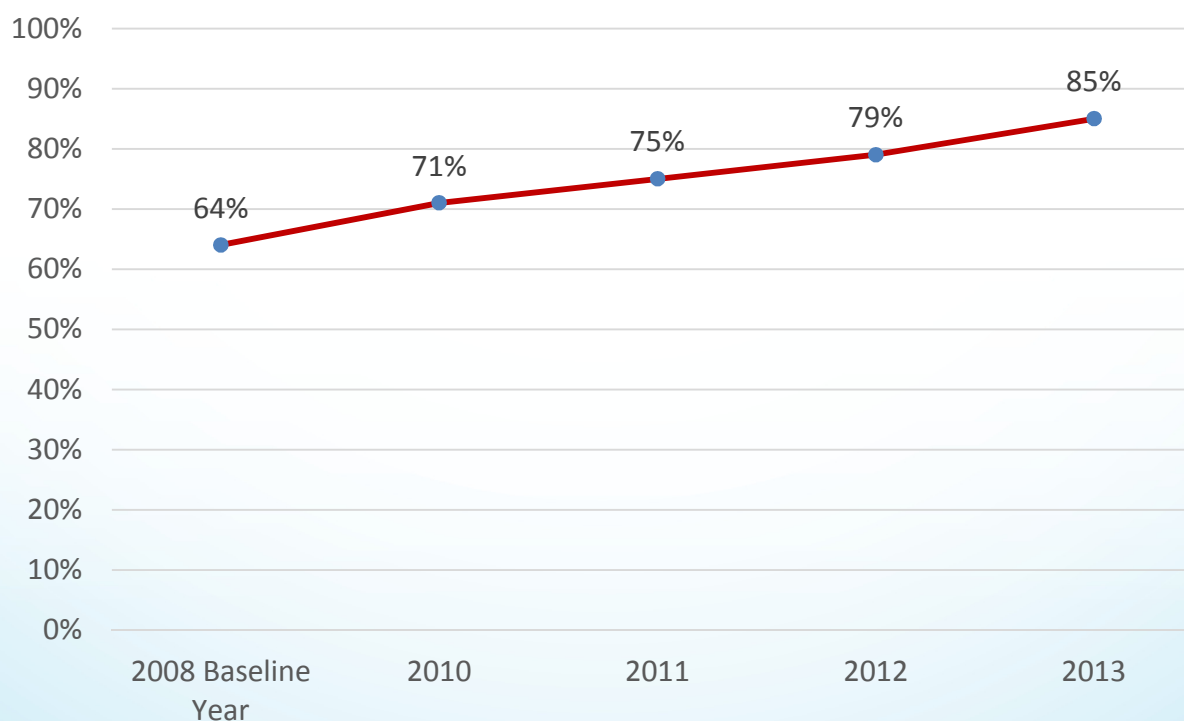
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### Cumulative proportion of total CAREC road corridors built or improved 2010-2013



Source: CAREC Transport Sector Coordinating Committee, Transport Sector Progress Report, 5 November 2014



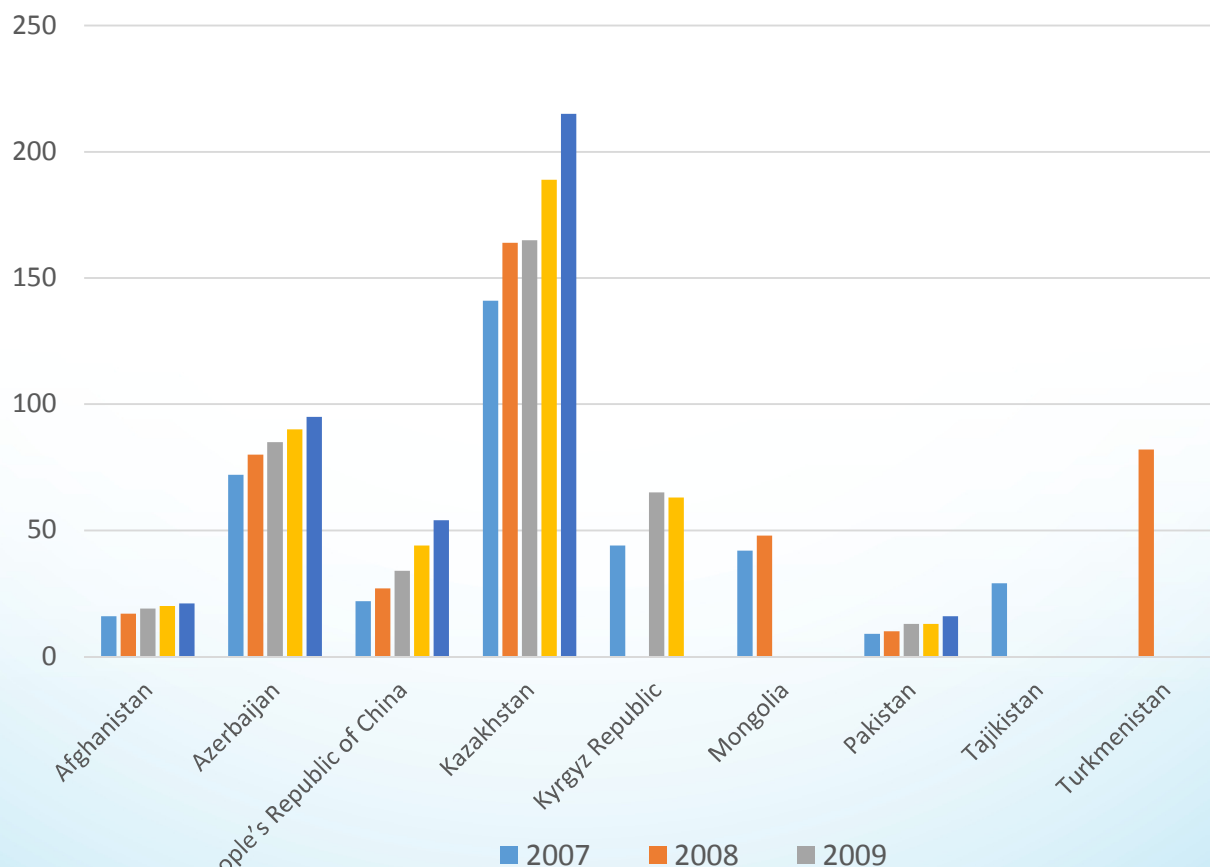
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## Growth in passenger cars per 1 000 population 2007-2011 (UN ESCAP 2014)



Source: United Nations Economic and Social Commission for Asia and the Pacific, 2014





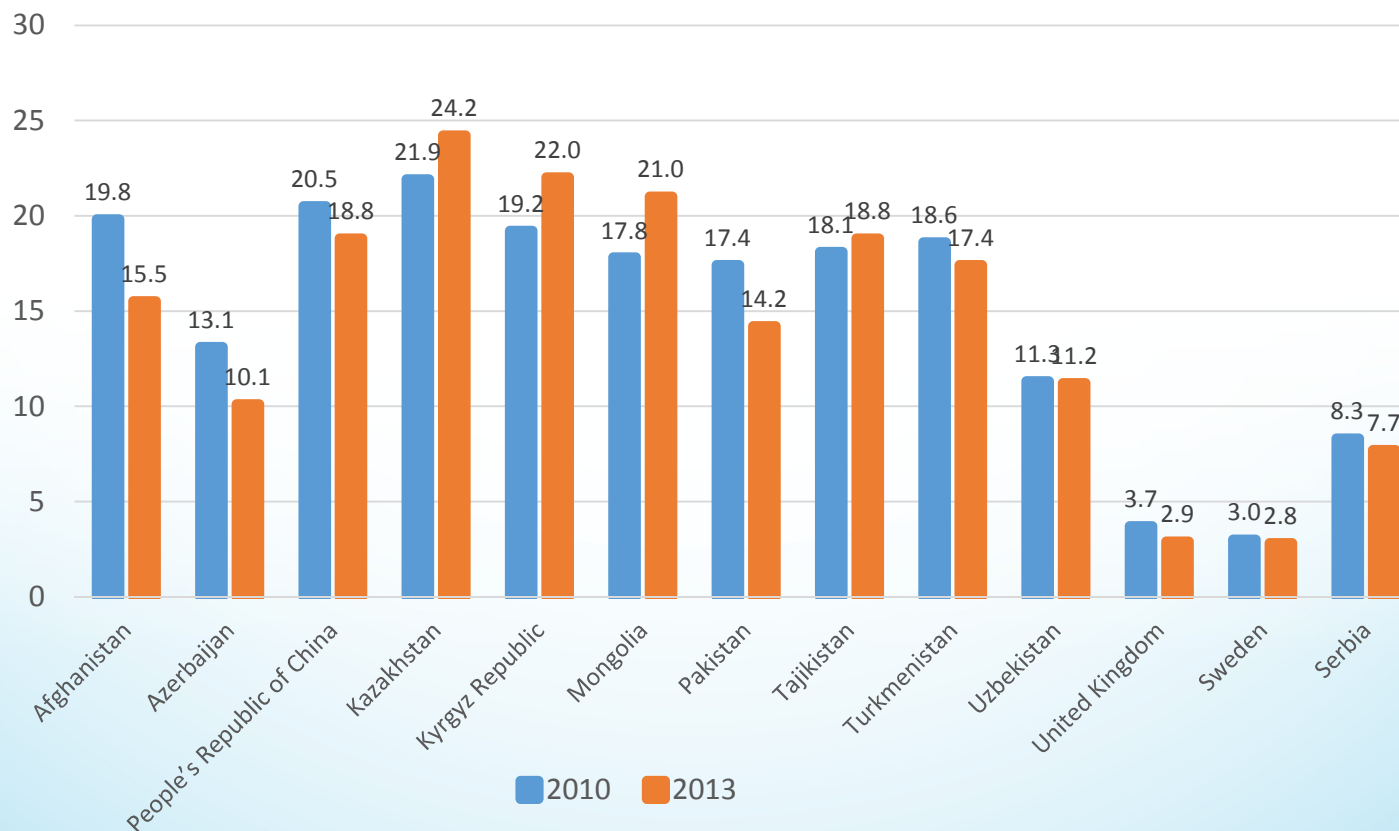
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### Estimated road traffic death rate per 100,000 population in CAREC countries, United Kingdom, Sweden and Serbia 2010 and 2013 (WHO)



Source: Global Status Report on Road Safety 2013 and 2015, Geneva, World Health Organisation



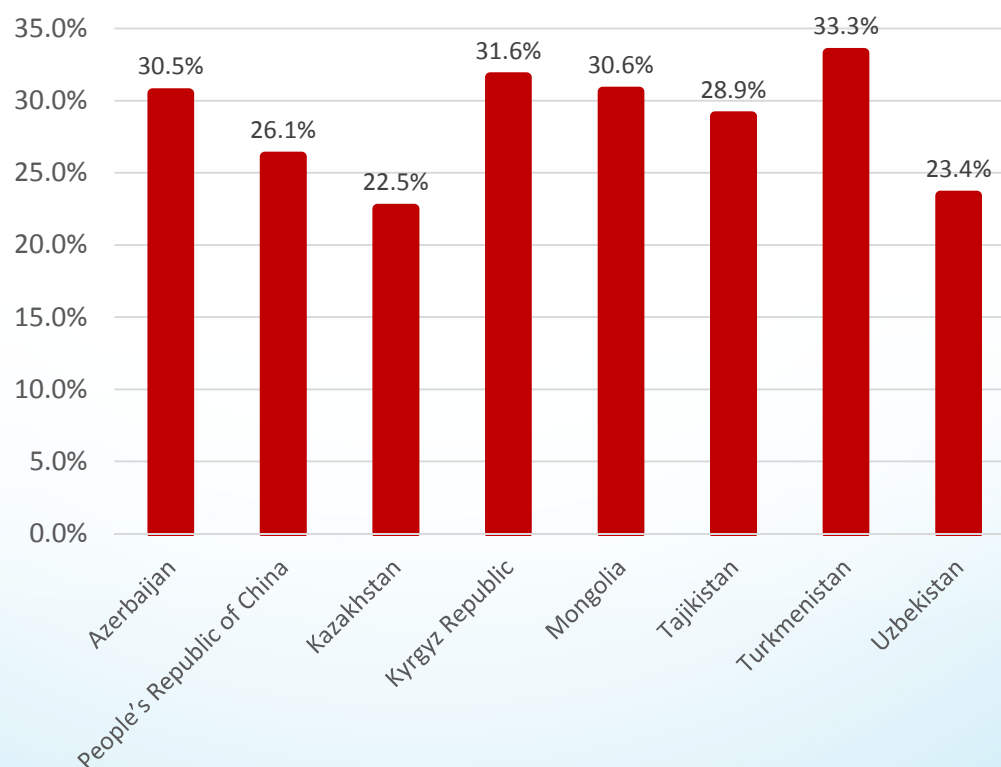
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### Percentage of road traffic deaths that are pedestrians in CAREC countries\* 2013 (WHO)



\* Note that data was not available for Afghanistan or Pakistan

Source: *Global Status Report on Road Safety 2015*, Geneva, World Health Organization, 2015





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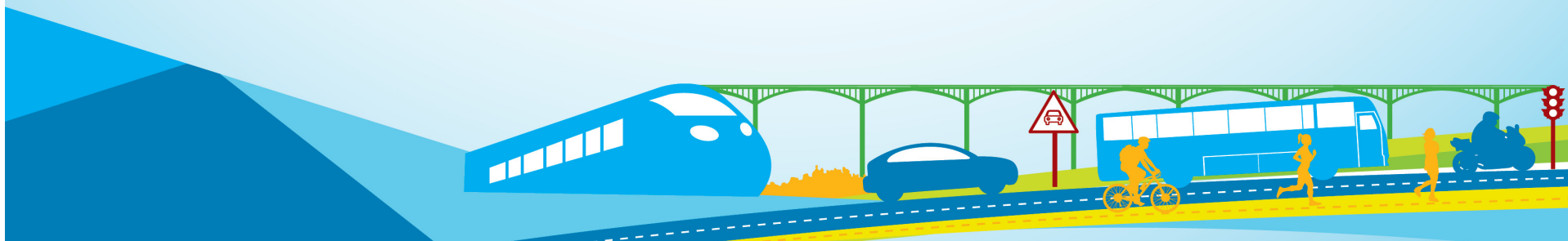
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### Cost of Road Crashes in the CAREC Region

Country	GNI per Capita (2014)	Crash Fatalities (No. per year)	Crash Costs (\$ million)
Afghanistan	670	4,734	761
Azerbaijan	7,590	1,214	2,261
China PR	7,380	3,025	5,358
Kazakhstan	11,670	3,233	9,055
Kyrgyz Republic	1,250	1,022	307
Mongolia	4,280	641	658
Pakistan	1,410	25,781	8,724
Tajikistan	1,080	1,543	400
Turkmenistan	8,020	914	1,759
Uzbekistan	2,090	3,240	1,625
<b>Total</b>		<b>45,347</b>	<b>30,908</b>

Source: Consultants estimates.







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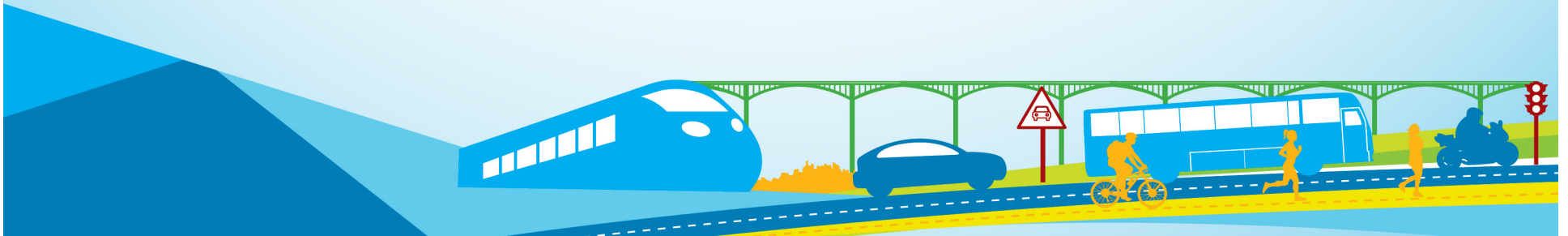
# Common causes of road crashes on CAREC corridors

- Causes vary from country to country
- Efforts to reduce crashes also vary from country to country
- There are some causes that common to many countries in the region



# Common causes of road crashes on CAREC corridors – road infrastructure and conditions

- Extreme weather conditions in some parts of the region
- Topography of many parts of the region – mountainous, steppes



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# Common causes of road crashes on CAREC corridors – road infrastructure and conditions

- Poor road surface quality
- Deficient road signs and markings are deficient
- Limited or no lighting outside urban areas



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# Common causes of road crashes on CAREC corridors – road infrastructure and conditions

- Poor traffic control and safety at roadworks - road workers and road users can be at risk





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# Common causes of road crashes on CAREC corridors – road infrastructure and conditions

- Overloading of heavy vehicles - destroys road pavement infrastructure and increases crash risks.



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# Common causes of road crashes on CAREC corridors – road infrastructure and conditions

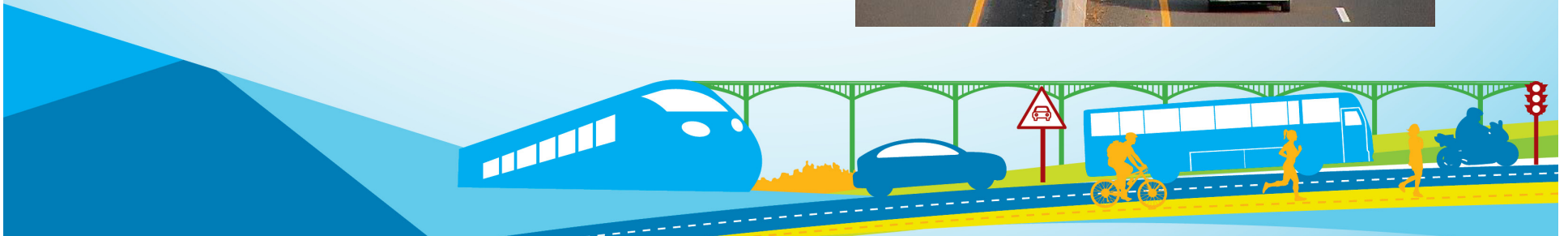
- Vehicle safety –  
inadequate standards,  
poor maintenance,  
inspection systems  
inadequate, allowing  
both left and right hand  
drive vehicles





# Common causes of road crashes on CAREC corridors – driver behaviour

- Speeding vehicles
- Overtaking errors
- Driver fatigue with the long distances travelled – in some cases there are no limits on driving hours for commercial drivers and no rest areas



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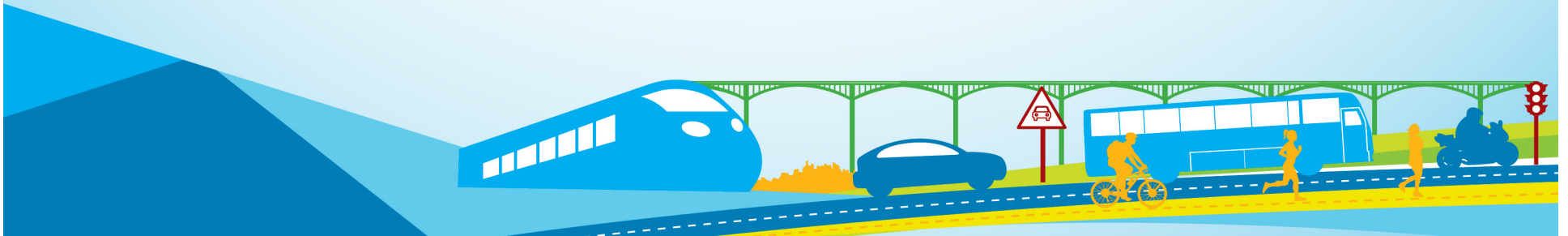
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# Common causes of road crashes on CAREC corridors – driver behaviour

- Driving while affected by alcohol or drugs
- Poor driver knowledge of the road rules and crash risks







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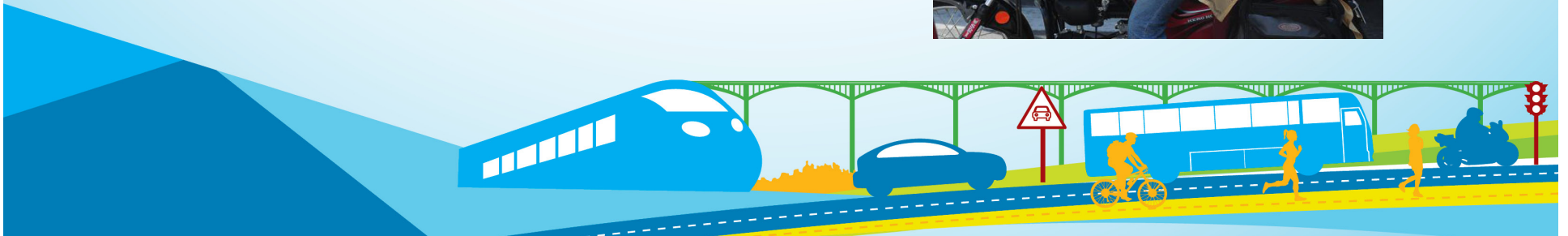
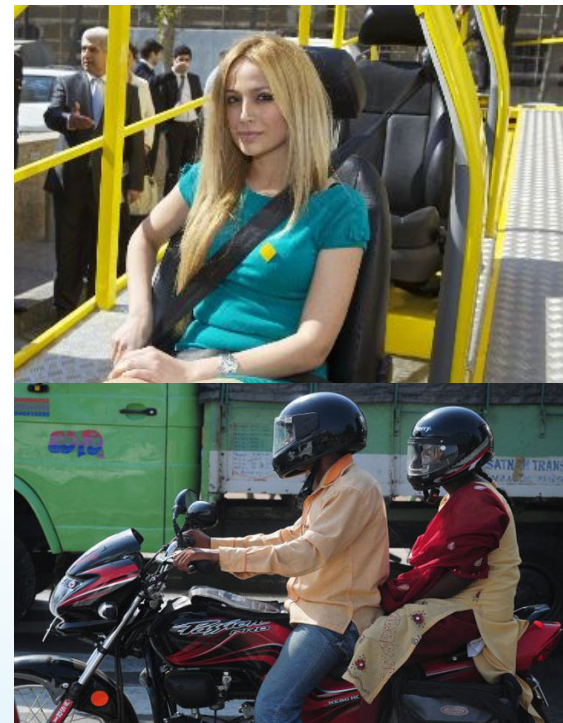
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# Common causes of road death and injury on CAREC corridors – driver behaviour

- Low rates of seatbelt wearing, especially in the rear seat
- Low rates of helmet wearing for motorcycle drivers and passengers





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# Common causes of road death and injury on CAREC corridors – limited medical response

- Limited or delayed emergency rescue and medical response

