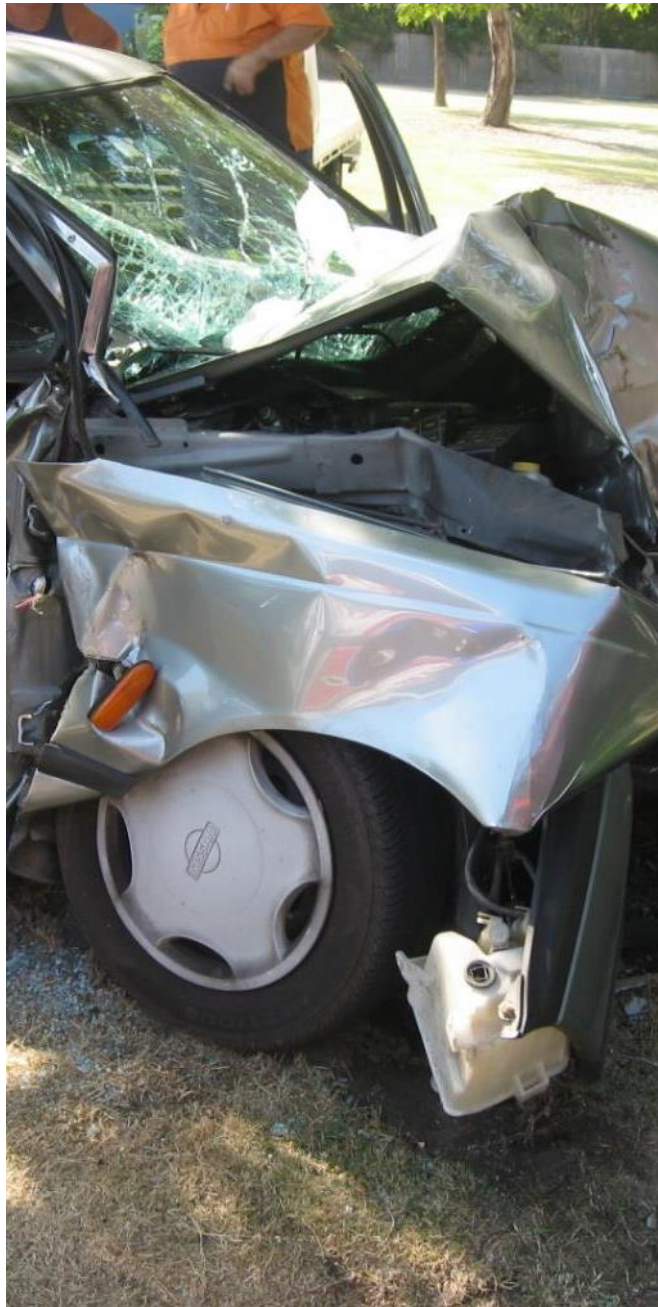




**Summary of the “Elements of Road Safety Engineering” Workshop
Bishkek, 4th – 7th March, 2019**

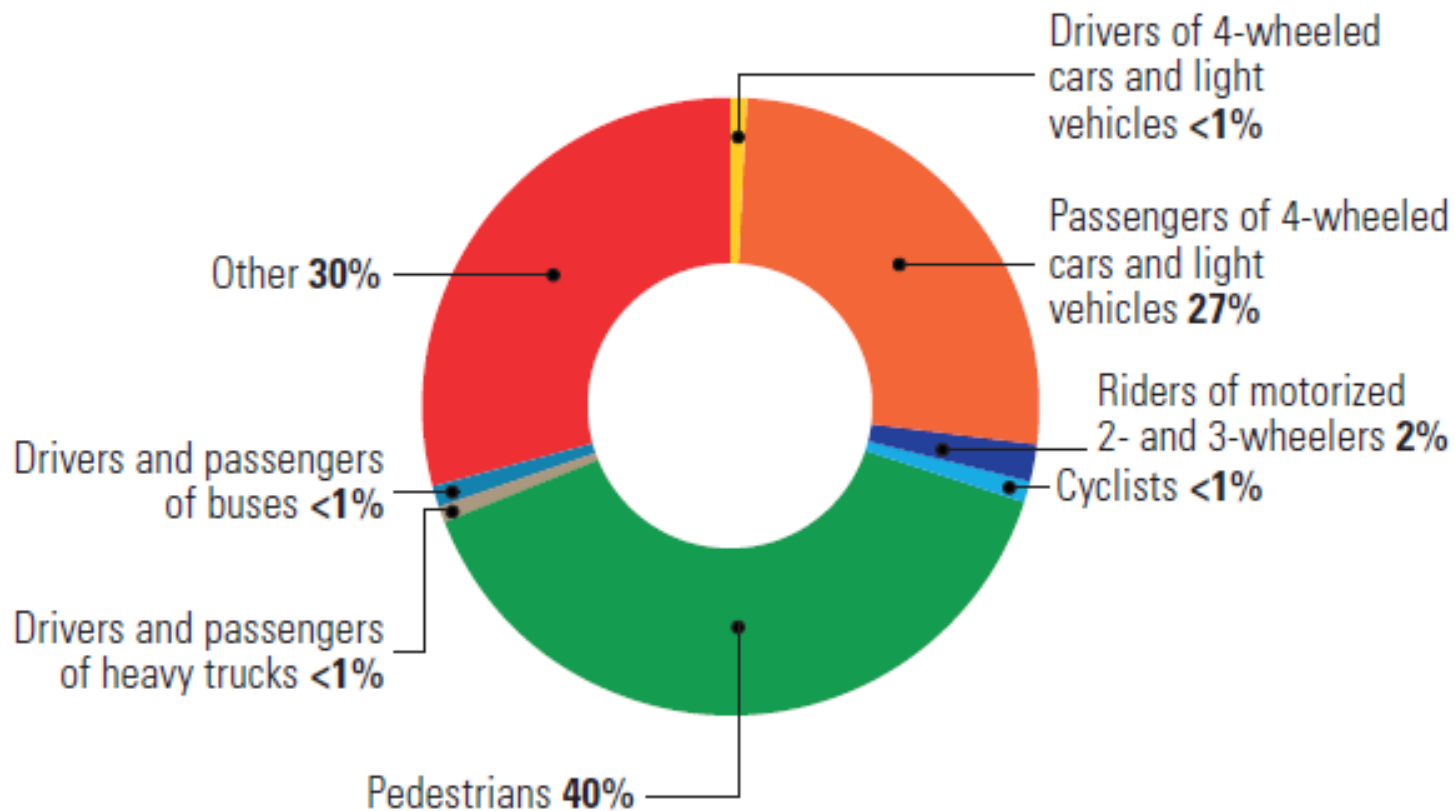


30+ participants.
Great to have you here



This workshop has focused
on road safety engineering

Deaths by road user category

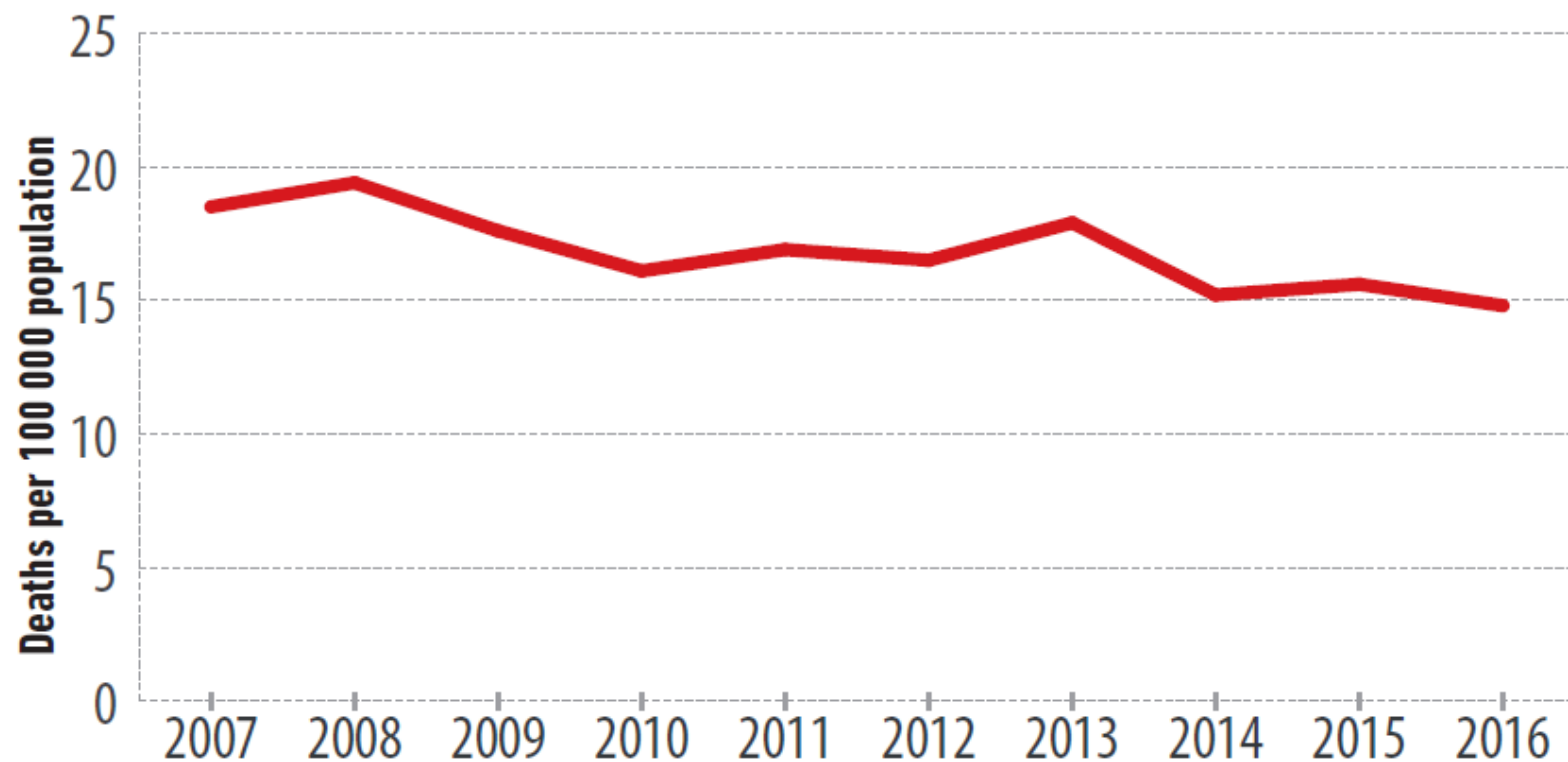


Source: 2016, National Statistical Committee

Road crash data – Kyrgyzstan

Road crash data – Kyrgyzstan

Trends in reported road traffic deaths

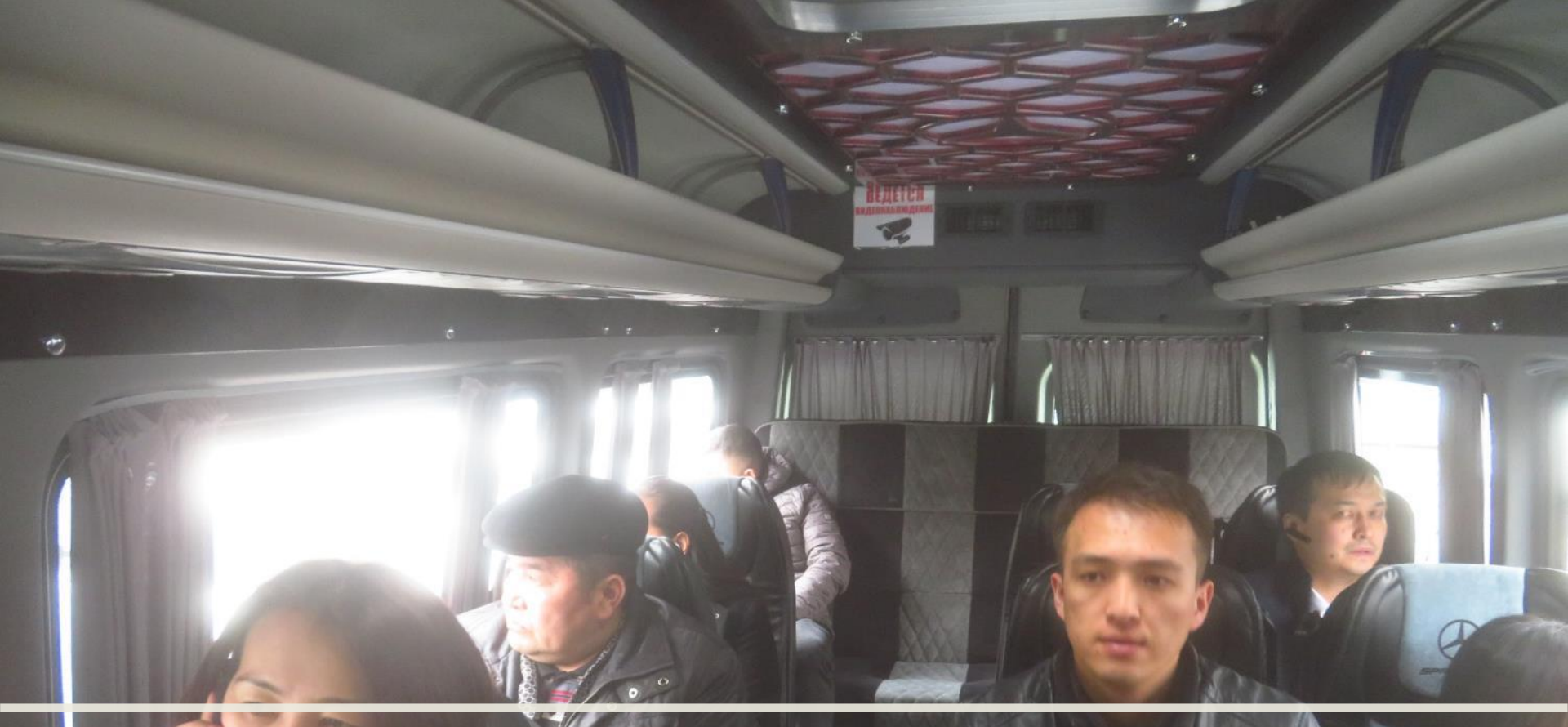


Road crash data – Kyrgyzstan

Population	\$GDP	Level	Reported road deaths	Estimated number of road deaths	Death rate per 100,000 pop
5,955,734	\$1,100	Middle	812 (2016)	916	15.4

Fatality rate 15.4 deaths per 100,000 pop.

(3 times that of Australia – 5.6 deaths per 100,000 pop.)



The case studies were well done – each team can be pleased with their work.

Put yourselves into the shoes of your customers!



Themes from the workshop

- Roadside hazards kill many people
- A “roadside hazard” is anything bigger than 100mm diameter and fixed
- Clear zone – a useful “starting point”

A 6-step strategy for Roadside Hazard Management

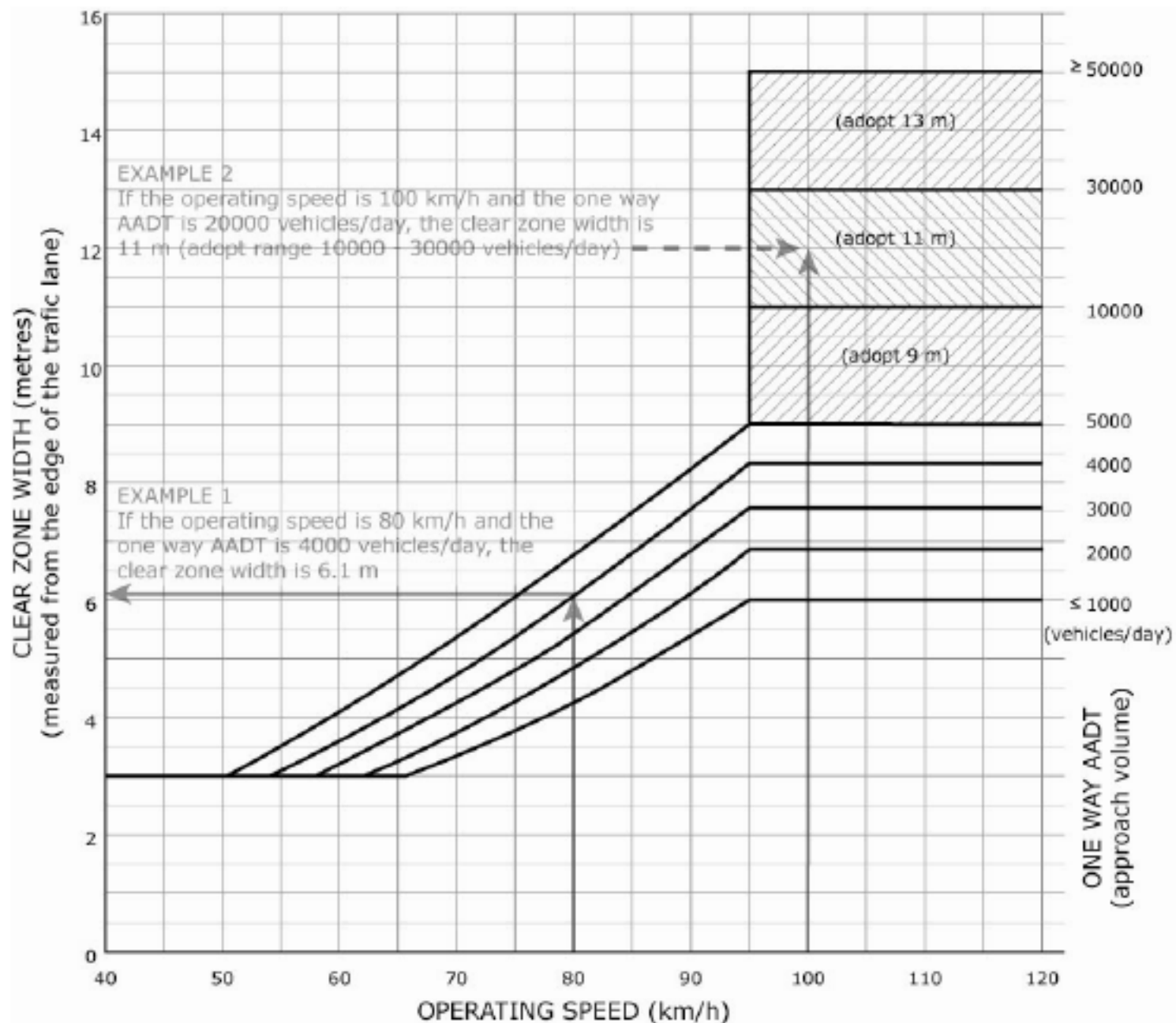
- 1. Keep vehicles on the road**
- 2. Provide a forgiving roadside**



- 2 i. remove the hazard**
- 2 ii. relocate the hazard**
- 2 iii. alter the hazard to reduce severity**
- 2 iv. protect the people with barriers**

Clear Zone Chart

Figure V4.1: Basic Clear Zone Widths on Straights – All Roads



Themes from the workshop

Pedestrians need
your assistance.
Don't forget them!



Signing Principles – 8 C's

- **Conspicuous** - easily seen
- **Clear** - legible, able to be read in ample time
- **Concise** - as few words as possible
- **Comprehensible** – understood
- **Credible** – believed
- **Consistent** - same symbols, and placements, across the network
- **Compliant** - with standards
- **Correct** – the sign must be correct



Road Safety Audit

Prevention is
better than cure

THANKS

Many people have been involved
in this workshop – thanks to all.

MoT&R

ADB

CAREC

Aidana, Elmira

Debbie

Elena, Mohammed

Hotel staff

Bus drivers....and others





And special thanks to all of you – you are a great group



When you return to your workplace, think about how road safety engineering may be put to best use for your customers, and how it may add value to your work.

Why?



**BECAUSE..... the world needs
more road safety engineers**



КӨНҮЛ БУРГУЛА!
МЕКТЕП

40

ВНИМАНИЕ!
ШКОЛА





PARK HOTEL











0701197510
Тел.902880





























СВЕТЛА
АНДРЕЙ
ИНТУИЦИОНАЛЬНЫЙ
ПРОЕКТИРОВАНИЕ
АРХИТЕКТУРЫ
И ВНЕШНЕГО ДИЗАЙНА

СВЕТЛА
АНДРЕЙ
ИНТУИЦИОНАЛЬНЫЙ
ПРОЕКТИРОВАНИЕ
АРХИТЕКТУРЫ
И ВНЕШНЕГО ДИЗАЙНА

Баня 100с
+стирка
ул. Косово Пол. 607
8078 10 07 00



КУПЛЮ
МЕДЬ
АЛЮМИНИЙ
ЧЕР. М

АЛЮМИНИЙ 85 ДОРОГ





All of you..... can make a difference to road safety in Kyrgyzstan,
and maybe in other countries

You can save lives on the roads of Kyrgyzstan





It has been a great pleasure working with you in Bishkek this week - good luck and best wishes for your future “road safety engineering” work.