









# Workshop Report

**CAREC Road Safety and Sustainable Mobility Course** 

Phase 1 & 2

March 2024

### Disclaimer

This report is the outcome of the CAREC Road Safety and Sustainable Mobility Course and drafted by Blaise Murphet, Road Safety Specialist Consultant, contributed by Dildar Zakir, Capacity Building Specialist, CAREC Institute and Honey May L. Manzano-Guerzon, Knowledge Management Officer, CWRC, ADB.

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# **Abbreviations**

ADB Asian Development Bank

APRSO Asia Pacific Road Safety Observatory

CAREC Central Asia Regional Economic Cooperation

CI CAREC Institute

CWRC Regional Cooperation and Operations Coordination Division

EASST Eastern Alliance for Safe and Sustainable Transport

EBRD European Bank for Reconstruction and Development

GRSP Global Road Safety Partnership

iRAP International Road Assessment Programme

MoTC Minister of Transport and Communications

WHO World Health Organization

# I. Summary

Road crash deaths and serious injures is an ongoing challenge for countries in the Central Asia Regional Economic Cooperation Program (CAREC) region. While progress is being made by some countries there is a notable need for increased capacity to implement best practice interventions based on sound local evidence. This is reflected in the CAREC Regional Road Safety Strategy 2017 – 2030, which states:

The local and national efforts being taken in each country can be enhanced by adopting regionwide approaches supported by joint capacity building and knowledge sharing activities<sup>1</sup>.

In recognition of this, the first CAREC Road Safety and Sustainable Mobility Course was launched in November 2023 through a multi-phase initiative directly targeted at governmental stakeholders from the region. The phases included the development of a dedicated online training platform, an in-person workshop held in February 2024, and the establishment of an online community of practice, which is ongoing.

For this first iteration of the course, participants were drawn from five CAREC countries<sup>2</sup> and across multiple government sectors. Content for the course was provided by a team of international road safety experts and presented in a form accessible to the audience including full translation into Russian. Participant engagement through the first online phase, and the second phase of a weeklong residential program was extremely positive and showed a strong intention for the application of knowledge gained in policy and implementation of evidence-based approaches. New multi-nation and multi-sector networks were also established.

Course evaluation also strongly indicated an appetite for further capacity development using the approach of the course, and for the opportunity for other stakeholders to benefit. There was also strong interest in ongoing training and mentorship of course alumni. The inaugural course effectively demonstrated that residential best practice training programs with multi-country participation can catalyse the knowledge sharing and supporting networks needed for the CAREC region to step up its implementation of effective responses to road safety, and realize the objectives outlined in the CAREC Regional Road Safety Strategy and the Global Plan for the Decade of Action for Road Safety 2021 - 2030.

# **Program Purpose and Approach**

The CAREC Road Safety and Sustainable Mobility Course is a multi-phased capacity building initiative of which Phases 1 and 2 were conducted from November 2023 – March 2024, with the aim of facilitating the sustainable transfer of accumulated practical knowledge in road safety and mobility to Government and non-governmental stakeholders within the CAREC region. A secondary key aim is to increase understanding of the investment needed in road safety and sustainable mobility interventions to assist developing member countries (DMCs) to develop projects and loans to drive action within the region. These aims are also aligned with the intention to support the continued implementation of the CAREC Road Safety Strategy 2030.

<sup>&</sup>lt;sup>1</sup> Staying Connected: A Regional Road Safety Strategy for CAREC Countries 2017 – 2030: https://www.adb.org/sites/default/files/institutional-document/228011/carec-road-safety-2017-2013.pdf

<sup>&</sup>lt;sup>2</sup> Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan

The course was developed and implemented as a partnership led by the CAREC Institute with support from the Asian Development Bank (ADB), the Asia Pacific Road Safety Observatory (APRSO) and the European Bank for Reconstruction and Development (EBRD).

# The course objectives are to:

- a) Facilitate sustainable transfer of best-practice road safety knowledge and practices to CAREC national technical institutions and to form communities of practice among leading CAREC professionals while also promote gender inclusivity in road safety planning, policy development and decision - making processes ensuring participation of women and addressing gender specific challenges;
- Enhance the capacity of CAREC countries in the field of road safety engineering to effectively achieve strategic goals of keeping CAREC transport corridors safe, and the region safely connected;
- c) Promote evidence-based policy and decision making in the road safety professions in the CAREC region and to continue knowledge support to member countries while integrating digital technologies and data driven approaches into road safety practices;
- d) Prototype an annual, immersive road safety professionals training program for the CAREC region in alignment with the CAREC road safety program; and
- e) Establish the knowledge and skills for development of investment-ready, large scale road safety programs for consideration by governments and sponsors such as ADB.

# Key proposed outcomes of the program are that:

- a) CAREC road safety professionals have a development pathway (based on data/evidence) providing the skills, knowledge and insights aligned with the influence their roles have over the safety of the road system;
- A regional forum is available for advancing technical road safety knowledge in the CAREC region, leveraging action through the CAREC road safety program, and to contribute to regional developments through the APRSO;
- c) The pool of technical professionals (including female and male) in CAREC countries is expanded to ensure the application of Safe System thinking throughout the road system lifecycle and its use and to develop road safety projects that can be supported through ADB financing;
- d) The long-term vision for what makes a safe road system in the CAREC region is understood and consistently pursued by road system managers, designers, constructors and operators; and

CAREC countries' ability to optimize and manage external funding are increased for effective road safety interventions.

To achieve this, the course included three aligned components, all of which are striving to support engagement and collaboration between participants to identify practical steps toward the adoption of evidence-based interventions. The components were designed to be integrated to immerse participants in a range of activities to ensure a sustained period of engagement, and to avoid a 'one-off' course, which may risk insufficiently engaging stakeholders to take action.

### **Course components**

### **Online Capacity Building Modules**

A dedicated online platform was created and launched in November 2023 to provide participants with a series of tailored online modules that were intended to provide critical contextual technical information and resources before commencement of the in-person course. These modules focused on road safety management; safer roads and roadside infrastructure and safer road users. The platform was provided with Russian language translation embedded.

### In-person Course

A one-week, residential training program delivered from Monday 26 February – Friday 1 March, 2024 in Bishkek, Kyrgyz Republic. The course was targeted to representatives from Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan and Uzbekistan, and included comprehensive sessions delivered by a team of global experts.

# Online Community of Practice (ongoing)

This component includes two key aspects aimed at encouraging continued engagement among the cohort and building a focal point for evidence-based information. These aspects include the continued updating of information within the online capacity building modules, including the provision of all course materials in Russian language so that participants could conduct their own trainings to counterparts, and the establishment of an online communication group between all participants to encourage continued engagement.

# II. Content and Participant Summary

The content of the CAREC Road Safety and Sustainable Mobility Course focuses on globally recognised, best practice frameworks and topics. The World Health Organization (WHO) Global Plan for the Second Decade of Action for Road Safety 2021 – 2030 (the Global Plan) provided a central guiding framework for the prioritisation of content. In addition, a range of other frameworks were used as reference, including the CAREC Road Safety Strategy 2030 and the WHO Voluntary Global Road Safety Performance Targets. A range of other road safety programs were analysed to identify successful approaches to content collation and dissemination.<sup>3</sup>

As a result, content of the course focuses on translating the key concepts of the Safe System Approach to road safety to practical application of these concepts in CAREC countries.

Content across the core components of the program includes:

# **Online Capacity Building Modules**

Content within the online capacity building modules included a range of existing training materials, webinars and knowledge products that were collated and specifically tailored to the course

<sup>&</sup>lt;sup>3</sup> <u>MUARC</u>: Road Safety Management Leadership Program, <u>Delft</u>: Annual Delft Road Safety Course, <u>Johns Hopkins</u>: Global Road Safety Leadership Course, <u>Gustav Eiffel</u>: University Diploma Road Safety in Africa.

participants and provided in English and Russian where available. Content was delivered through three modules:

## Module 1 - Road Safety Management

This module included the following sub-topics:

- Introduction to Road Safety and the Safe System Approach
- The Role of the Lead Agency
- Data Systems to Inform Road Safety Management
- Road Safety Management Case Study from Mongolia

Materials included online webinars, presentation materials and reports.

# Module 2 - Safer Road Users

This module included the following sub-topics:

- Understanding Road Traffic for Road Users
- Designing and Implementing Effective Enforcement Programs
- Strategic Communications for Road Safety
- Vulnerable Road Users Case Study from Vietnam

Materials included online webinars, presentation materials and reports.

# Module 3 – Safer Road Infrastructure

This module included the following sub-topics:

- Introduction to Road Safety Engineering
- Speed Management
- Designing for all Road Users
- Road Safety Audits
- Roadside Hazard Management
- Pedestrian Safety
- Safer Road Works
- Introduction to iRAP
- Planning and Procuring an iRAP Project
- Establishing and Developing an iRAP Project in your Country or Region
- Star Rating for Schools Online Course

Materials included online webinars, presentation materials, reports and access to third-party training platforms.

Each module included a dedicated introduction from David Shelton, Senior Transport Specialist (Road Safety) from the ADB Transport Sector Office.

Content for these modules was sourced and provided by the following organisations:

- ADB
- APRSO
- CAREC Institute

- EBRD
- International Road Assessment Programme (iRAP)
- Global Road Safety Partnership (GRSP)

### **In-person Course**

The in-person course was held in Bishkek, Kyrgyz Republic from February 26 – March 1, 2024. Content within the in-person course was developed through the identification of key topics and related objectives, which were matched the participant profile and regional context. Key topics and objectives included:

- Introducing the Safe System Approach and the Global Plan
  - o Setting the scene: Outlining the relevance of the Safe System Approach
  - o Build knowledge of the global plan and CAREC road safety plans
- Safer Roads and Roadside Infrastructure
  - Build understanding of best practice approaches to safer roads and roadside infrastructure
  - Outline the role of effective community engagement in support of infrastructure improvements
- Safer Road Users
  - Build understanding of evidence-based interventions to protect road users
  - Identify practical steps to partner collaboration to support implementation of interventions
- Data Systems
  - Explore opportunities to improve data systems to inform road safety implementation
- Safer Vehicles
  - Build knowledge of the role of vehicle safety technologies and the regulatory environment required to implement
- Implementation
  - o Discuss the practical applicability of key concepts moving forward
  - o Experience practical implementation of road safety interventions in Bishkek

The course agenda is included as Annex A to this report.

Course delivery was diverse and included a combination of technical presentations, facilitated discussions and group activities.

The course also included a site visit to view road safety interventions within Bishkek. This was developed and coordinated in partnership with the General Directorate of Road Safety of the Kyrgyz Republic.

Welcome remarks were also delivered by:

- Mr. Yrysbek Bariev, Deputy Minister of Transport and Communications of the Kyrgyz Republic
- Mr. Tynychbek Saidov, Head of Road Inspection Department/Lieutenant Colonel, General Directorate for Road Traffic Safety, Ministry of the Interior
- Mr. Zheng Wu, Country Director, Kyrgyz Republic Resident Mission, ADB
- Mr. Bakhtiyor Faiziev, Associate Director, Senior Banker, EBRD

This showed support of key agencies and institutions for the course and how it was supporting greater action on road safety and sustainable mobility through the region.

Key experts were identified and engaged to support the development and delivery of this content and were drawn from globally recognized organizations with an emphasis on regional experience and knowledge.

# The expert team included:

- Mr. David Shelton, Senior Transport Specialist (Road Safety), Leader APRSO Secretariat, ADB
- Ms. Ritu Mishra, Transport Specialist, Transport Sector Office, Sector Group, ADB
- Ms. Emma MacLennan, Director General, Eastern Alliance for Safe and Sustainable Transport (EASST)
- Mr. Phillip Jordan, Principal Consultant, Road Safety International
- Mr. David Cliff, CEO, Global Road Safety Partnership (GRSP)
- Mr. Blaise Murphet, Senior Consultant, ADB
- Ms. Chinara Kasmambetova, Director, Public Association "Road Safety" Kyrgyzstan
- Mr. Egidijus Skrodenis, Partner for Road Safety and Innovations, MC Mobility Consultants GmbH
- Ms. Jessica Truong, Towards Zero Foundation (participate online)
- Mr. Taalaibek Matkerimov, Director of the Institute of Transport, Kyrgyz State Technical University named after I. Razzakov
- Mr. Julio Urzua, Global Projects Director, iRAP
- Mr. Luke Rogers, Global Operations Manager, iRAP

These experts worked collaboratively to ensure that content was integrated so that the emphasis on the requirements for system approaches was clear.

Course content was delivered through a combination of Russian and English with slides presented in both languages and simultaneous translation available throughout the course.

All course presentations are included as Annex B of this report. Course photos and recordings of presentations are included as Annex C of this report.

### Online Platform

Content of the third phase includes the collection of all course content and relevant supporting resources. There are also plans for conducting targeted webinars on key topics. In addition, this phase included establishment of an online professional networking group for participants using WhatsApp.

### **Participants**

Significant planning and consideration were given to the identification and inclusion of participants for the three components of the course. The program primarily targeted road safety leaders and engineering professionals from the five countries. Specific guidance was provided through ADB Resident Missions to Government counterpart to ensure that there was an opportunity to include a diverse range of participants from national highway authorities, provincial road agencies, national traffic police, other relevant government authorities, technical universities and road and traffic consulting engineers. The importance of forming multi-disciplinary groups was strongly outlined and encouraged.

It was noted that working through the official ADB nomination selection process takes considerable time and did not allow for the provision of final participant details to organizers sufficiently in advance of the program.

The country allocation for the course was as follow:

- Kazakhstan 5 representatives
- Kyrgyz Republic 15 representatives (recognizing hosting the course)
- Tajikistan 5 representatives (1 nominee was unavailable at late notice)
- Turkmenistan 5 representatives (1 nominee was unavailable at late notice)
- Uzbekistan 5 representatives

These participants were invited to engage through all components of the course, including the inperson course in Bishkek. Pleasingly the engagement and participation from each country was outstanding, with strong utilization of the online platform, and full representation at the in-person course. The cross-disciplinary allocation was also successful, with multiple agencies, ministries and organizations in attendance.

In total, the course realized the following levels of engagement:

- Online platform: more than 3,400 separate interactions with content from across the cohort.
- In-person course: 37 participants drawn from the five target countries including representatives from multiple agencies in each country.
- Online community of practice: ongoing engagement with online platform and establishment of WhatsApp group for further collaboration.

There was a brief issue relating to the travel logistics of representatives from Tajikistan to the inperson course, however this was rectified, and they were fully engaged in the program.

Pleasingly, the in-person course also attracted a range of additional stakeholders, including representatives from a range of institutions actively involved in road safety and sustainable mobility throughout the region. These included representatives from:

- World Health Organization
- International Road Federation
- EBRD Eurasia Office

A full list of participants is included as Annex D to this report.

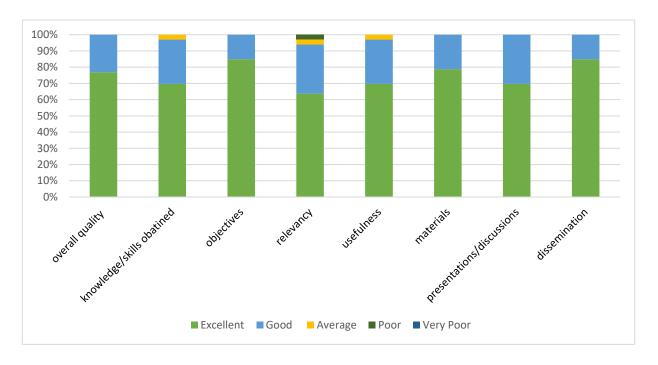
# III. Program Assessment

The significance of the course hosted in Bishkek was demonstrated by the presence of local media. Noting ADB's contribution, local journalists published articles and there were two television reports including on the National State Channel.<sup>4</sup>

<sup>&</sup>lt;sup>4</sup> 6:06: (16) Новости Кыргызстана | 15:00 | 26.02.2024 - YouTube; CAREC's week-long road safety program kicked off in Bishkek: В Бишкеке стартовала недельная программа по безопасности дорожного движения ЦАРЭС (kabar.kg); ПРОХОДИТ КУРС ЦАРЭС ПО БЕЗОПАСНОСТИ ДОРОЖНОГО ДВИЖЕНИЯ И УСТОЙЧИВОЙ МОБИЛЬНОСТИ (youtube.com).

A course evaluation was disseminated following the completion of phase 2 of this project. This was completed by all course participants.

The program received extremely positive feedback, highlighting the success of the program. This is represented in summary table below:



Pleasingly the evaluation also outlined a range of ways that participants would directly apply learning in their work, which indicated that participants were able to see direct relevance of learning to their activities.

A range of further topics were raised as useful to include in future trainings, including but not limited to:

- Road safety and wildlife hazards
- Crash analysis
- School road safety
- Further practical activities
- Further opportunities to showcase approaches in their countries

There were some useful suggestions for other stakeholders who could be engaged in future workshops, including representatives from Ministry of Health/emergency services, journalists and municipal governments.

The online phase one was well received, however unsurprisingly the in-person workshop was most impactful for participants, and they requested further opportunities in the future.

It was made clear through the evaluation that the course was extremely well received and there is strong appetite for future engagements that combine technical knowledge and multi-nation and multi-agency collaborative learning.

A summary of the course evaluation is included as Annex E of this report.

### IV. Recommendations

The following recommendations are outlined in consideration of future opportunities to engage stakeholders across the CAREC region on road safety and sustainable mobility:

- Based on the positive evaluation and range of countries not eligible for this iteration, the existing course should be made available to other eligible countries in the CAREC region.
- The course evaluation clearly shows a desire to build upon the initial engagement with participants of the 2024 course to offer future initiatives that extend collaboration and learning and capitalize upon the initial investment in these participants and agencies.
- Offering programs for cross-disciplinary teams from multiple countries has strong outcomes in supporting institutional strengthening and cooperation.
- Due consideration should be given to the following issues not covered in the 2024 course:
  - Post-crash response
  - Financing and funding models
  - Climate sustainable transport options
  - Urban and town planning
  - Gender and transport planning
  - School road safety
  - Crash analysis
  - Digitalisation
  - Further opportunities for collaborative activities and country experience sharing
- Further consideration should be given to engaging relevant agencies and ministries relating to safer vehicle regulations, emergency care, municipal government and journalists.
- Co-creation of capacity development by multiple development partners should be used as a mechanism to coordinate and align essential knowledge and skills building along a consistent pathway.
- Sufficient human resourcing should be made available to continue providing relevant materials through the online community of practice.
- More time should be allowed for the nomination of participants to allow for organizers to receive relevant participant information prior to the course.
- Travel requirements, including visas, should be thoroughly checked through ADB Resident Missions.

# V. Annexes

# Annex A – Course Agenda

# CAREC Road Safety and Sustainable Mobility Course Park Hotel, Bishkek, Kyrgyz Republic 26 February – 1 March 2024 <u>Public Agenda</u>

# **Monday 26 February**

# Objectives -

- Setting the scene: Outlining the relevance of the Safe System Approach
- Build knowledge of the global plan and CAREC road safety plans

TIME	SESSION	FACILITATOR(S)
8:00 – 9:00	Registration and Coffee	
9:00 – 9:15	Welcome and Course Introduction	Blaise Murphet
		Honey May M. Guerzon, ADB
		Dildar Zakir, Cl
9:15 – 10:00	Opening Remarks	Yrysbek Bariev, MoTC
		Tynychbek Saidov, MIA
		Zheng Wu, ADB
		Bakhtiyor Faiziev, EBRD
10:00 - 10:45	Setting the Scene – Safe System Analysis	David Shelton, ADB
10:45 – 11:15	Group photo/Tea/Coffee/Networking	
11:15 – 13:00	Setting the Scene – Safe System Analysis	David Shelton, ADB
	<ul> <li>Safe System Approach to Road Safety</li> <li>Global Plan of Action for Road Safety</li> </ul>	Dave Cliff, GRSP
	- CAREC Road Safety Strategy	Ritu Mishra, ADB
		Rapporteur: Dildar Zakir, Cl
13:00 – 14:00	Lunch	
14:00 – 15:30	Coordination and Collaboration of Safe System Implementation	David Shelton, ADB
	·	Egidijus Skrodenis, MC
		Emma MacLennan, EASST
		Rapporteur: Honey May M. Guerzon, ADB

15:30 – 16:00	Tea/Coffee/Networking	
17:30 – 19:30	Opening Reception	

# **Tuesday 27 February**

# Objectives –

- Build understanding of best practice approaches to safer roads and roadside infrastructure
- Outline the role of effective community engagement in support of infrastructure improvements

TIME	SESSION	FACILITATOR(S)
9:00 – 9:30	Day 1 Recap Discussion Sessions	Blaise Murphet
		Honey May M. Guerzon, ADB
		Dildar Zakir, Cl
9:30 – 11:00	Safer Roads and Roadside Infrastructure	Phil Jordan, RSI
		Egidijus Skrodenis, MC
		Rapporteur: Honey May M.
		Guerzon, ADB
11:00 – 11:30	Tea/Coffee/Networking	
11:30 – 13:00	Safer Roads and Roadside Infrastructure - Practical activity	Phil Jordan, RSI
		Egidijus Skrodenis, MC
		Rapporteur: Honey May M. Guerzon, ADB
13:00 – 14:00	Lunch	Guerzon, ADB
14:00 – 15:30	Community Engagement in Support of Safer Roads and Roadside Infrastructure	Emma MacLennan, EASST
	and noddside iim dstructure	Chinara Kasmambetova, PA Road Safety
		Rapporteur: Dildar Zakir, Cl
15:30 – 16:00	Tea/Coffee/Networking	,
16:00 – 17:00	Community Engagement in Support of Safer Roads and Roadside Infrastructure	Emma MacLennan, EASST
		Chinara Kasmambetova, PA Road Safety
		Rapporteur: Dildar Zakir, Cl

# Wednesday 28 February

# Objectives –

- Build understanding of evidence-based interventions to protect road users
- Identify practical steps to partner collaboration to support implementation of interventions

TIME	SESSION	FACILITATOR(S)
9:00 – 9:30	Day 2 Recap Discussion Sessions	Blaise Murphet
		Honey May M. Guerzon, ADB
		Dildar Zakir, CAREC Institute
9:30 – 10:30	Safer Road Users	Dave Cliff, GRSP
		Emma MacLennan, EASST
		David Shelton, ADB
		Chinara Kasmambetova, PA Road Safety
		Rapporteur: Honey May M. Guerzon, ADB
10:30- 11:00	Tea/Coffee/Networking	
11:00 – 13:00	Safer Road Users	Dave Cliff, GRSP
		Emma MacLennan, EASST
		David Shelton, ADB
		Chinara Kasmambetova, PA Road Safety
		Rapporteur: Dildar Zakir, Cl
13:00 – 14:00	Lunch	
14:00 – 15:30	Safer Road Users – Practical Activity – Partner Collaboration	Blaise Murphet
		Dave Cliff, GRSP
		Emma MacLennan, EASST
		Chinara Kasmambetova, PA Road Safety
		Rapporteur: Honey May M. Guerzon, ADB
15:30 – 16:00	Tea/Coffee/Networking	

16:00 – 17:00	Safer Road Users – Panel Discussion and Feedback	Blaise Murphet
		Dave Cliff, GRSP
		Emma MacLennan, EASST
		Chinara Kasmambetova, PA Road Safety
		Rapporteur: Dildar Zakir, Cl

# **Thursday 29 February**

# Objectives -

- Build knowledge of the role of vehicle safety technologies and the regulatory environment required to implement
- Experience practical implementation of road safety interventions in Bishkek
- Explore opportunities to improve data systems to inform road safety implementation

TIME	SESSION	FACILITATOR(S)
9:00 – 9:30	Day 3 Recap Discussion Sessions	Blaise Murphet
		Honey May M. Guerzon, ADB
		Dildar Zakir, CAREC Institute
9:30 – 12:00	Site Visit	General Directorate of Road
		Safety, Kyrgyz Republic
	- Road Safety Interventions in Bishkek	
		Rapporteur: Honey May M.
		Guerzon, ADB
12:00 – 13:00	Lunch	
13:00 – 14:00	Site Visit Recap	Phil Jordan, RSI
		David Shelton, ADB
		Egidijus Skrodenis, MC
		Rapporteur: Dildar Zakir, Cl
14:00 – 15:00	Safer Vehicles	Jess Truong, TZF
		Rapporteur: Honey May M.
		Guerzon, ADB
15:00 – 15:30	Tea/Coffee/Networking	
15:30 – 17:00	Data Systems to Inform Road Safety Management and Implementation	David Shelton, ADB
		Phil Jordan, RSI

	Taalaibek Matkerimov, KSTU
	Rapporteur: Dildar Zakir, Cl

# Friday 1 March

# Objectives –

- Explore opportunities to improve data systems to inform road safety implementation
- Discuss the practical applicability of key concepts moving forward

TIME	SESSION	FACILITATOR(S)
8:30 – 9:00	Day 4 Recap	Blaise Murphet
		Honey May M. Guerzon, ADB
		Dildar Zakir, Cl
9:00 – 10:30	Upcoming Initiatives in CAREC Region	Julio Urzua & Luke Rogers, iRAP
		Ritu Mishra, ADB
		David Shelton, ADB
		Rapporteur: Honey May M.
		Guerzon, ADB
10:30 - 11:00	Tea/Coffee/Networking	
11:00 – 12:00	Data Systems: Practical Implementation Activity	David Shelton, ADB
12:00 – 13:00	Implementation of Key Concepts	David Shelton, ADB
		Phil Jordan, RSI
		Emma MacLennan, EASST
		Ritu Mishra, ADB
		Egidijus Skrodenis, MC
		Rapporteur: Dildar Zakir, Cl
13:00 – 14:00	Lunch	
14:00 – 14:30	Workshop Evaluation	Blaise Murphet
		Dildar Zakir, Cl
14:30 – 15:30	Closing Ceremony/Tea/Coffee	David Shelton, ADB

# **Annex B – Course Content**

The course online platform can be found here: <a href="https://elearning.carecinstitute.org/carec-road-safety-and-sustainable-mobility">https://elearning.carecinstitute.org/carec-road-safety-and-sustainable-mobility</a>

This includes all presentations delivered during the in-person course.

# Annex C - Snapshots



Ms. Emma MacLennan, Director General, EASST talking about safer roads



Resource Speakers with the country participants during the break



Ensured the participation of women to address gender equality



Certificates issued to the country participants on completion of the workshop



Mr. David Shelton, Senior Transport Specialist (Road Safety), Leader APRSO Secretariat, ADB working on practical activity



Mr. Phillip Jordan, Principal Consultant, Road Safety International discuss about road safety audit



Mr. Yrysbek Bariev, Deputy Minister of Transport and Communications of the Kyrgyz Republic and Mr. Zheng Wu, Country Director, Kyrgyz Republic Resident Mission, ADB with country participants



Country participants with the Resource Speakers



Discussions and recommendations during site visit with Group 2



Site visit to intersections to observe the features installed at the intersections with Group 1

# Annex D - List of Participants

# Kazakhstan

- 1. Mr. Arman Kushev, Head, Department of Construction and Reconstruction of the Committee of Highways of the Ministry of Transport
- 2. Mr. Gabid Shymyrbayev, Head, Department of Operation of the Committee of Highways of the Ministry of Transport
- 3. Mr. Azamat Bazarbekov, Manager of the First Category, Department of Road Maintenance, JSC NC KazAvtoJol
- 4. Mr. Kanat Sadvakassov, Head, Department of Safety and Organization of Road Construction at Kazakhstan Road Research Institute "KazdorNII" JSC
- 5. Mr. Arystan Massanov, Director, Kazakh Scientific Research Institute for Road Safety

# Kyrgyz Republic

- 6. Mr. Maksat Zhumabaev, Road Traffic Engineer of the ADB Investment Project Implementation Group, of the Ministry of Transport and Communications
- 7. Mr. Madiiar Madalbekov, Senior Inspector on Chy Oblast, Department of Control and Supervision in Road Transport Safety, Ministry of Transport and Communications

- 8. Mr. Adylbek uulu Abdraman-Temur, Senior Inspector of the Department of Control and Supervision in Road Transport Safety, Ministry of Transport and Communications
- 9. Ms. Almash Kamchybekova, Senior Inspector of Transport Control Division, Land and Water Transportation Department, Ministry of Transport and Communications
- 10. Ms. Nargiza Adylbekova, Senior Specialist- Road Engineer, Road Maintenance Division, State Enterprise "Kyrgyzautojol" under the Ministry of Transport and Communications
- 11. Mr. Altynbek Tengizbaev, Senior Inspector, Office of the Interior Department on Road Traffic Safety of Osh Region, Ministry of the Interior
- 12. Ms. Cholponai Maraeva, Head of Organizational and Inspection Division of the Patrol Service Division of the Police in Osh city, Ministry of the Interior
- 13. Mr. Tynychbek Saidov, Head of Road Inspection Department/Lieutenant Colonel, General Directorate for Road Traffic Safety, Ministry of the Interior
- 14. Mr. Bolot Berdigulov, Senior Inspector-Law Consultant, Road Patrol Service Department, General Directorate for Road Traffic Safety, Ministry of the Interior
- 15. Mr. Urmat Tilenbaev, Senior Inspector, General Directorate for Road Traffic Safety, Ministry of the Interior
- 16. Mr. Islam Suyuntbekov, Head of the Department "Operation of Transport and Technological Machines", Kyrgyz State Technical University named after I. Razzakov
- 17. Ms. Saltanat Omurkanova, Leading Specialist, School and Pre-School Education Department, Ministry of Education
- 18. Ms. Gulsun Zhorobekova, Specialist, International Cooperation and Investments Division, Ministry of Education
- 19. Mr. Kurmanbek Turdumamatov, Senior Specialist, Department of Medical and Pharmaceutical Care, Ministry of Health
- 20. Mr. Kylychbek Dusumaliev, Head of Information Policy Division, Ministry of Transport and Communications
- 21. Mr. Myktaraliev Narmanbet, Leading Specialist in Road Construction, State Enterprise "Kyrgyzautojol" under the Ministry of Transport and Communications
- 22. Mr. Boronov Bektur, Head of State Enterprise "Kyrgyzautojol" Osh Filial under the Ministry of Transport and Communications

### Tajikistan

- 23. Mr. Begijon Ziyoev, Deputy Head of the Department of Road Construction and Management, Ministry of Transport
- 24. Mr. Begijon Davlatzoda, Chief Specialist of the Department of Economic Analysis and Prospects, Ministry of Transport
- 25. Ms. Rukhshona Oymahmadova, Chief Specialist, International Relations Department, Ministry of Transport
- 26. Mr. Bakhtiyor Ghaforov, Chief Specialist of the Department of Finance and Accounting, Ministry of Transport
- 27. Mr. Murodjon Jamoliyon, Head of the Traffic Control and Organization Unit of the State Vehicle Inspection Department of the Ministry of Internal Affairs (unable to attend)

### **Turkmenistan**

- 28. Mr. Azat Podarov, Head of Roads and Traffic Management Department at the State Agency for Management of Roads Construction
- 29. Mr. Muhammetbayram Bashgulyyev, Head, Road Traffic Safety and Labour Protection Department, "Turkmenavtoulaglary" Agency

- 30. Mr. Rahat Torayev, Senior Legal Advisor, Legal Division for Special Assignment, Department of Law and International Relations, Ministry of Interior
- 31. Mr. Dovletyar Myradov, Senior Inspector, Traffic Police Department, Ministry of Interior
- 32. Mr. Mergen Hojageldiyev, Senior Specialist, Department for Transportation, Technical and Road Traffic Safety on Road Transport, Agency of Transport and Communications under the Cabinet of Ministers (unable to attend)

### Uzbekistan

- 33. Mr. Bokhodir Koraboev, Head of Road Facilities Department, Ministry of Transport
- 34. Ms. Sevara Ashurova, Chief Specialist of Public Transport Department, Ministry of Transport
- 35. Mr. Shokhzod Abulkosimov, Chief Specialist of the Committee of Roads, Ministry of Transport
- 36. Mr. Narimonjon Uzakov, Chief Specialist of Public Transport Department, Ministry of Transport
- 37. Mr. Botir Ergashev, Leading Specialist, Center for the Research of Transport Problems, Ministry of Transport

# **Resource persons**

- 1. Mr. David Shelton, Senior Transport Specialist (Road Safety), Leader APRSO Secretariat, ADB
- 2. Ms. Ritu Mishra, Transport Specialist, Transport Sector Office, Sector Group, ADB
- 3. Ms. Emma MacLennan, Director General, Eastern Alliance for Safe and Sustainable Transport (EASST)
- 4. Mr. Phillip Jordan, Principal Consultant, Road Safety International
- 5. Mr. David Cliff, CEO, Global Road Safety Partnership (GRSP)
- 6. Mr. Blaise Murphet, Senior Consultant, ADB
- 7. Ms. Chinara Kasmambetova, Director, Public Association "Road Safety" Kyrgyzstan
- 8. Mr. Egidijus Skrodenis, Partner for Road Safety and Innovations, MC Mobility Consultants GmbH
- 9. Ms. Jessica Truong, Towards Zero Foundation (participate online)
- 10. Mr. Taalaibek Matkerimov, Director of the Institute of Transport, Kyrgyz State Technical University named after I. Razzakov

# **Special guests**

- 1. Mr. Yrysbek Bariev, Deputy Minister of Transport and Communications of the Kyrgyz Republic
- 2. Mr. Zheng Wu, Country Director, Kyrgyz Republic Resident Mission, ADB
- 3. Mr. Bakhtiyor Faiziev, Associate Director, Senior Banker, EBRD
- 4. Mr. Meder Turgunbekov, Advisor to CAREC NFP, Kyrgyz Republic
- 5. Mr. Mirdin Eshenaliev, Senior Project Officer, Kyrgyz Republic Resident Mission, ADB
- 6. Mr. Dmitry Sambuk, Deputy Director General, EASST
- 7. Mr. Julio Urzua, Global Projects Director, iRAP
- 8. Mr. Luke Rogers, Global Operations Manager, iRAP
- 9. Ms. Julia Funk, Senior Programme Manager & Head of Statistics, IRF
- 10. Mr. Paul Disney, Lead Expert, UNRSF 'Safe and Inclusive Road Design in Central Asia' Project
- 11. Ms. Saltanat Salieva, National Programme Officer, Human Resources for Health, WHO Country Office in Kyrgyzstan
- 12. Mr. Talant Ibraev, Project Coordinator, Public Association "Road Safety" Kyrgyzstan
- 13. Ms. Takhmina Egemberdi kyzy, Analyst, Infrastructure Department (Eurasia), EBRD
- 14. Ms. Zhyldyz Zholdoshbekova, Analyst, Infrastructure Department (Eurasia), EBRD

### **CAREC Secretariat**

- 1. Ms. Honey May L. Manzano-Guerzon, Knowledge Management Officer, CWRC, ADB (participate online)
- 2. Ms. Gulshat Raissova, CAREC Institute Coordinator, CWRC, ADB
- 3. Ms. Aidana Berdybekova, Regional Cooperation Coordinator, Kyrgyz Republic Resident Mission,
- 4. Ms. Dildar Zakir, Capacity Building Specialist, CAREC Institute
- 5. Mr. Gary Huang, E-Learning Specialist, CAREC Institute

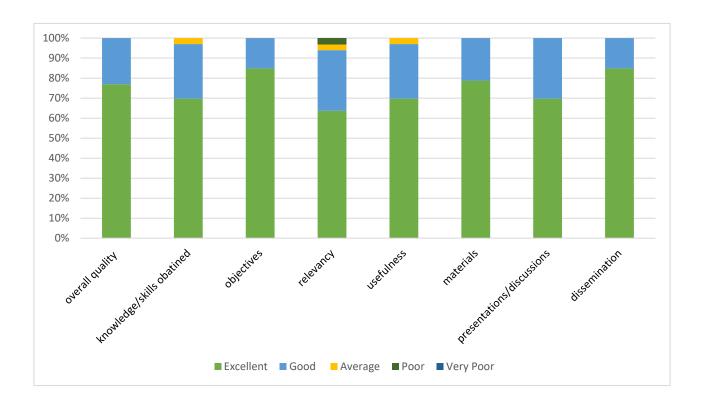
# Interpreters

- 1. Ms. Tatiana Mashenskaya, Kyrgyz Republic
- 2. Mr. Sergei Gavrilin, Kyrgyz Republic

## Annex E – Course Evaluation Summary

# Feedback from participants

After the completion of the workshop, attendees were handed feedback forms to gauge their experience. Presented below are visual representations of the survey results, complemented by written comments provided by the participants. The overall consensus from the feedback is overwhelmingly positive, highlighting the success of the workshop. Additionally, insightful suggestions for potential areas of improvement for future workshops were also noted, underscoring the commitment to continual enhancement and refinement.



# How will you apply knowledge gained in this course to your work (please be specific about your plans)?

- 1. Implementation of Road Safety Measures:
  - Preparation of proposals for management.
  - Application of knowledge in Road Safety Audit and evaluation.
  - Ensuring road safety of motor vehicles.
  - Developing plans of activities.
  - Introducing changes to regulations/legal framework.
- 2. Awareness and Advocacy:
  - Promoting compliance with road safety regulations among peers.
  - Sharing information about road safety courses through various media channels.
  - Presenting ideas and gained knowledge to management and colleagues.
  - Sharing materials and knowledge with friends, colleagues, and students.
  - Cooperation and projects with relevant organizations like CAREC.
- 3. Utilization of Workshop Material:
  - Integration of workshop material into lectures and research.
  - Application of knowledge in road safety prevention activities.
  - Serious application of gained knowledge in work.
  - Analyzing gained knowledge and presenting it to qualified specialists.
  - Continued interaction for improvement of data collection on road accidents.
- 4. Infrastructure and Policy:
  - Development and implementation of regulations and norms for road safety.
  - Road maintenance, repair, and installation of road signs.
  - Organizing seminars and courses on road safety.
  - Reorganizing road traffic, including removal of traffic lights and reorganization of certain locations.
  - Improvement of road infrastructure.
- 5. International Collaboration:
  - Signing contracts with international organizations for road safety audits.
  - Cooperation with CAREC and other international counterparts for road safety initiatives.

This summary encapsulates the diverse range of actions and initiatives proposed by participants based on their feedback, highlighting a comprehensive approach towards enhancing road safety.

Which agencies or stakeholders in your country could benefit from future deliveries of this course (this can include your own agency)?

- 1. Government Entities:
  - Ministry of Internal Affairs (Kazakhstan, Kyrgyz Republic, Turkmenistan, Uzbekistan).
  - Ministry of Health (Kazakhstan, Kyrgyz Republic, Turkmenistan, Uzbekistan).
  - Ministry of Transport and Communications (Kazakhstan, Kyrgyz Republic, Turkmenistan, Uzbekistan).
  - Ministry of Emergency Situations (Kyrgyz Republic).
  - Ministry of Digital Development (Kyrgyz Republic).
  - Ministry of Economy (Kyrgyz Republic)
- 2. Local Authorities:
  - Local executive governments (Kazakhstan).
  - Local self-governments (Kazakhstan, Kyrgyz Republic).
- 3. Road Safety Departments and Committees:
  - Road Traffic Safety Department (Kazakhstan, Kyrgyz Republic).

- Committee of administrative safety/security of the Ministry of Internal Affairs (Kazakhstan).
- Road Safety Service (Uzbekistan).
- Road Safety Committee (Uzbekistan).
- 4. Educational Institutions:
  - Universities (Kazakhstan, Kyrgyz Republic, Turkmenistan, Uzbekistan).
  - Colleges (Kyrgyz Republic, Uzbekistan).
  - Tashkent Transport University (Uzbekistan).
- 5. Non-Governmental Organizations (NGOs) and Civil Society:
  - Public Unions (Kazakhstan).
  - Mass Media (Kazakhstan, Kyrgyz Republic, Turkmenistan, Uzbekistan).
- 6. Other Relevant Entities:
  - KazDorNII (Kazakhstan).
  - KazAutoZhol (Kazakhstan).
  - National Center for the Quality of Road Assets (Kazakhstan).
  - Driving schools (Kyrgyz Republic).
  - Turkmenawtoulaglary Agency (Turkmenistan).
  - Road construction agencies (Turkmenistan, Uzbekistan).
  - Health Departments (Kyrgyz Republic, Uzbekistan).
  - Traffic Police (Kazakhstan, Uzbekistan).
  - Road design organizations (Uzbekistan).
  - Transport vehicles Control Inspectorate (Uzbekistan).
  - Ministry of Construction and Housing and Communal Services (Uzbekistan).

This summary outlines the broad range of stakeholders across governmental, educational, civil society, and other sectors, demonstrating the comprehensive approach needed for effective collaboration in road safety initiatives.

# Do you have any comments or suggestions on the presentations by Speakers/Presenters?

- 1. Interactive Engagement:
- Participants suggested incorporating more interactive elements to engage the audience, such as short breaks with exercises for the body and eyes.
- 2. Expansion of Presentations:
- Some participants recommended expanding presentations with more detailed information for better understanding.
- 3. Respect for Speakers:
- Many participants expressed respect and appreciation for the speakers, acknowledging their interesting, concise, and precise presentations.
- 4. Interest in Regional Cases:
- There was a desire among participants to see more cases from Central Asian countries to better understand regional perspectives.
- 5. Practical Work and Enforcement:
- Suggestions were made for more practical work and inclusion of presenters specializing in enforcement-related topics.
- 6. Clear Answers:

- Participants requested clear answers regarding practices used in the presenters' respective countries.
- 7. Multimedia Integration:
- Some participants suggested including videos in future presentation materials to enhance content delivery.
- 8. Appreciation for Presenters:
- Overall, participants expressed gratitude and admiration for the informative and high-quality presentations delivered by the speakers.
- 9. Frequency of Events:
- Many participants emphasized the importance of conducting such events more frequently to facilitate exchange of experience and opinions among countries.
- 10. Overall Satisfaction:
- Participants generally expressed satisfaction with the presentations and did not have specific suggestions for improvement.

These comments reflect the appreciation for the presentations, while also highlighting areas for potential enhancements, such as interactivity, regional case studies, and multimedia integration

Do you have any comments or suggestions that would help us improve our future events?

- (a) Duration of the course
- (b) Quality of the discussions
- (c) Participant Mix
- (d) Facilitation
- 1. Case Studies and Examples:
- Include more case studies/examples to illustrate changes due to safety systems.
- 2. Presentation Time:
- Allocate sufficient time (20-30 minutes) for the presentation of country experiences.
- 3. Discussion Time:
- Increase time for discussions to foster deeper engagement and understanding.
- 4. Participant Involvement:
- Expand the participant circle to involve more stakeholders.
- Ensure a diverse mix of participants including engineers, road police officers, and local self-governments.
- 5. Government and Emergency Situations Representation:
- Invite representatives from government ministries and emergency services.
- Include individuals from design institutes for broader perspectives.
- 6. Audience Engagement:

- Incorporate audience questioning during presentations to enhance comprehension.
- Organize such activities regularly to maintain engagement.
- 7. Participant Diversity:
- Widening the participant list to include journalists for broader dissemination of information.
- 8. Technical Issues:
- Address technical issues such as screen discomfort during presentations.
- 9. Q&A and Discussion Time:
- Increase time allocated for questions, answers, and discussions.
- 10. Facilitation:
- Ensure effective facilitation to enhance workshop dynamics.
- 11. Workshop Duration:
- Consider decreasing hours per day and increasing the number of days for better retention and engagement.
- 12. Participant Selection:
- Select participants more thoroughly based on their competence.
- 13. Legal Support:
- Emphasize enforcement and legal support aspects in the workshop.
- 14. Workshop Length:
- Consider shortening the duration to 2-3 days based on feedback.
- 15. Frequency of Discussions:
- Conduct discussions more frequently to clarify and elaborate on topics, involving a wider group of participants.

What capacity development needs/issues/subjects/themes would you like the course organizers to address in its future events?

- 1. Road Design and Construction:
- Address road design and construction methods for enhanced safety.
- 2. Road Traffic Organization:
- Discuss methods to organize road traffic for increased safety.
- 3. Wildlife Hazards:
- Review issues related to animals on the roadside and propose measures to reduce crashes involving domestic and wild animals.
- 4. Speed Management:
- Introduce average speed measures on country roads for improved safety.
- 5. Crash Analysis:
- Conduct engineer-technical analysis of road crashes and offer specific proposals for improvement.

- 6. Group Activities:
- Organize more group activities involving participants from different countries for exchange of experience and cooperation.
- 7. Practical Exercises:
- Include more video materials and practical exercises to reinforce learning.
- 8. Future Seminar Topics:
- Include topics related to vehicle safety, iRAP, RS Audit, and changes in construction norms.
- 9. Experience Exchange:
- Facilitate opportunities for education and exchange of practices among countries.
- 10. Pedestrian Safety:
- Address pedestrian safety issues near schools, hospitals, and kindergartens.
- 11. Data Collection and Analysis:
- Provide methodology and tools for data collection and analysis in road safety research.
- 12. Case Studies and Site Visits:
- Incorporate more case studies, practical activities, and site visits for hands-on learning experiences.
- 13. Enforcement and Legal Support:
- Enforcement and legal support for crash investigations and road safety improvements.
- 14. Highway Safety:
- Focus on safety measures in highway transportation.
- 15. Data Mining and Analysis:
- Teach methods for data mining and analysis to inform road safety measures.
- 16. Practical Engagement:
- Include more practical activities and site visits for a deeper understanding of road safety challenges and solutions.
- 17. Interdepartmental Collaboration:
- Improve systems for data collection on road crashes through interdepartmental collaboration.

Overall, these suggestions aim to enhance the workshop's effectiveness by addressing specific topics, providing practical exercises, and facilitating greater collaboration and exchange of knowledge among participants.

# How did you find the Phase 1 – Online Capacity Building part of the course?

- 1. Excellent format:
- Participants found the course format to be excellent overall.
- 2. Distraction during Working Hours:

- Some participants noted that the online format didn't prevent distraction during working hours, as they had to attend to other duties simultaneously.
- 3. Preference for Face-to-Face Learning:
- Many participants expressed a preference for face-to-face learning, believing it to be more conducive to better learning and analysis.
- 4. Language Accessibility:
- Suggestions were made to provide translations of video materials into Russian to improve accessibility for participants.
- 5. Material Preparation:
- Participants suggested forwarding materials beforehand to allow for adequate preparation, especially in online sessions.
- 6. Mixed Opinions on Online vs. Offline Learning:
- While some participants felt that online learning was less interesting compared to offline, others preferred offline classes for better engagement.

# How did you find Phase 2 – face to face mode of the course?

- 1. Face-to-Face Sessions Preferred:
- Participants strongly preferred face-to-face sessions, emphasizing the importance of maintaining consistent participant composition to ensure initiatives are effectively followed through.
- 2. Specialized Courses:
- Suggestions were made to organize courses specifically focused on the accreditation of engineers in Road Safety in Kazakhstan, indicating a need for specialized training programs.
- 3. Improved Comprehension:
- Participants noted that face-to-face sessions allowed for better understanding and comprehension of speakers without distractions.
- 4. Timely Material Sharing:
- Emphasized the importance of timely sharing of course materials for better comprehension and preparation.
- 5. Practical Exercises:
- Participants expressed a desire for offline courses to include practical exercises, enhancing the learning experience.
- 6. Support for Offline Courses:
- Strong support was voiced for offline courses due to increased communication and the opportunity for exchange of experiences among participants.
- 7. Positive Experience:
- Overall, participants had a positive experience with the offline format, particularly appreciating the diverse representation from all CAREC countries.

These suggestions highlight the importance of face-to-face interaction, specialized training opportunities, and the inclusion of practical exercises to enhance the effectiveness of future courses.

# Other Comments or Suggestions

- 1. Visual Presentations:
- Participants suggested making presentations more attractive and colorful, with less text, and incorporating lively speakers who show emotions and humor.
- 2. Frequency of Events:
- Many participants expressed a desire for more frequent workshops or seminars on road safety.
- 3. Cooperation Development:
- Suggestions were made for further development of cooperation among participants from different countries.
- 4. Session Schedule:
- Some participants proposed extending sessions instead of having a coffee break, to finish earlier.
- 5. Positive Feedback and Encouragement:
- Overall, participants found the event interesting, informative, and entertaining, expressing gratitude to the organizers and speakers.
- 6. Educational Centers:
- There were suggestions to establish educational and qualification upgrade centers based on universities for continuous learning opportunities.
- 7. Continuous Exchange of Experience:
- Participants recommended regular meetings with experts from neighboring countries to exchange experiences and increase capacity.
- 8. Data Mining:
- Specific interest was expressed in learning about road safety data mining processes and data collection methods.
- 9. Gratitude to Organizers:
- Many participants expressed gratitude to the organizers and speakers for the well-organized and informative event.
- 10. Call for More Events:
- Participants emphasized the need for more such meetings and seminars in the future.

Overall, the feedback highlights the importance of dynamic presentations, continuous learning opportunities, and collaborative efforts in enhancing road safety initiatives across different countries.