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JICA's approach for Road Traffic Safety

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Outline of presentation

- 1. JICA's Global Agenda for Transportation
- 2. Approach for Road Traffic Safety
- 3. Current T/C and Future Development of Activities

Leading the world with trust

JICA values the relationship of mutual trust with developing countries and is working with them to rise to the challenges.





1. JICA's Global Agenda for Transportation



JICA Overseas Offices & Scale of Operation



139

the number of countries and regions**

96 overseas offices**

1,968 full time staffs**

**As of July 2023



20 JICA Global Agenda



Tackling Global Issues with Diverse Actors

JICA GLOBAL AGENDA

---- JICA'S 20 STRATEGIES FOR GLOBAL DEVELOPMENT ISSUES



Aiming to

- Show development impact / outcome for priority issues towards contributing the SDGs and achieving JICA's medium and long-term targets.
- Maximize development impacts / outcome by proactively working with partner governments and variety of actors

Prosperity	 Urban and Regional Development Transportation Energy and Mining Private Sector Development Agriculture and Rural Development 	Pener III Perent Season Pener Sustainable Sustainable Development
People	 Health Improving Nutrition Education Social Security/ Disability and Development Sport and Development 	PATTNESSION Programming and addression of the second secon
Peace	11. Peacebuilding 12. Governance 13. Public Finance and Financial Systems 14. Gender Equality and Women's Empowerment 15. Digital for Development	
Planet	 Climate Change Nature Conservation Environmental Management Sustainable Water Resources Management and Water Sup Disaster Risk Reduction through Pre-disaster Investment Back Better 	oply and Build



Road Traffic Safety Cluster

JICA Global Agenda — JICA's 20 Strategies for Global Development Issues

The world where all people and goods move safely and freely

NO.

Transportation

Transportation and traffic are the driving factors to live culturally and creatively in human society.

While promoting low-carbon and decarbonization in transportation sector, JICA works on the development of transportation infrastructure, improvement of maintenance / management techniques and safety. We aim to create society where people can move freely and safety, and necessary goods can be transported anywhere in the world including the last one mile.

- Set **Five Approaches** to solve the challenges in Transportation.
- JICA recognizes we have a responsibility to address **Road Safety issue** as important as Road Asset Management, Maritime Security etc.



https://www.jica.go.jp/Resource/english/our_work/thematic_issues/index.html



2. Approach for Road Traffic Safety



Background and Goal

lssues

1.35 million death each year^{*1}

 ${\boldsymbol{8^{th}}}$ leading cause of death for people of all ages *1

#1 cause of death for children and young adults 5- 29 years of age^{*1}

\$1.797 trillion Macroeconomic losses estimated over 2015-30^{*2}

Why JICA ?

- The loss of valuable young people due to traffic accidents is an extremely serious social and economic problem, especially for the countries developing for the future.
- **Experience with** urbanization and overcoming the distortions caused by **rapid motorization**
- As Japan leads the **automobile and motorcycle industries**, the role of supporting traffic safety is significant.



Aim to save **150,000** lives per year through collaboration with the countries concerned and other partner

GOOD HEALTH AND WELL-BEIN



Experience in Japan 1

- 1950s-1970s Increase in accidents involving passengers in automobiles and pedestrians
- 1970: Basic Act on Traffic Safety Measures



Source) Prepared by the MLIT using materials provided by the National Police Agency



Experience in Japan 2

- 1990s : Increase the number of fatalities "again"
- 2022 : The number of fatalities is 2,610 (2.1 per 10^5)



Source) Prepared by the MLIT using materials provided by the National Police Agency

JICA's approach for "Road Safety"

Key approach for cooperation"4E"

- Collect accident information and based on its scientific analysis
- The data can contribute to effective counter measure and approach such as targeting specific cause of death and generations



Enforcement, Engineering, and Education measures also assume that measures will be taken after a traffic accident occurs.



3. Current T/C and Future Development of Activities



JICA's Cooperation Scheme

- JICA is in charge of administering Japan's ODA and is one of the largest bilateral aid agencies in the world.
- Flexible combination of various cooperation such as T/C, Loans, Grants.



JR Types of Technical Cooperation scheme

Aiming to Capacity Development

- Technical cooperation is "people-to-people" cooperation by supporting partner countries
- Enhancing capacities to address development challenges through own efforts.

1) Technical Cooperation Projects

Strategically combine the dispatch of experts, technical training, and provision of equipment

Expert Dispatch Counterparts Training in Japan Facilities Third Country Training **Running Cost** ٠ **Equipment Supply** Record of Discussion Counterpart Co-working During the КССР Project (Main programs) Consultancy Contract Technical support **JICA Expert Capacity Development** Japanese Experiences Team related agencies & academics

2) The Knowledge Co-Creation Program (KCCP)

Transmit Japanese strengths to partner countries, and enhance further co-learning among participating



Consideration of Countries for Cooperation





T/C Projects : On-going & Planning

	Project Period	Crash data collection and analyzation	E nfoncement	E ducation	E ngineering	Characteristics
Thailand	3.5years (Dec 2020 ~ Jun 2024)	Ø	Ø	Ø	0	 ✓ Improvement of Driver licensing system and commercial vehicle operation management is included.
Cambodia	3years (February 2022~ January 2025)	Ø	0	Ø	Ø	 ✓ Cross-ministry collaboration is required ✓ National Road on-going as a collaboration project
Bangladesh	3years (July 2021~ March 2025)	Ø	Ø	Ø	Δ	✓ Police is the main counterpart✓ Utilize DRIVER introduced by WB
Uzbekistan Cali	2years (July 2023~ July 2025)	Ô	\triangle	0	Δ	 Project almost exclusively dedicated to traffic accident information activities.
Kenya	Planning 3years	Ô	Ø	0	Δ	 ✓ We are expecting to launch the project early 2024

✓ "Emergency" is not included in the scope of ongoing Project.

✓ Addition to these Project, Project in Tanzania is under consideration.



T/C projects : example of activities

1

4

6

Message Thanks for

- Motorcycle driver's license workshop for high school students
- Intersection Improvements



Teaching Material, Poster Contest





カニー構成の創(開催える最初大部分構





efttur

GivewayLine

T/C projects : case of Thailand



ruipose	institutions and implementation is realized.
Purnosa	institutions and implementation is realized
Project	The capacity improvement of road traffic safety

Counterp Ministry of Transport art -Transport Safety Operation Center -Information Communication Technology Center -Department of Highways -Department of Rural Roads -Department of Land Transport

Royal Thai Police

- Output 1. The reliability and utilization of New Transport Road Accident **Management System** (New New-TRAMS) are improved.
 - 2. The countermeasures for safer road engineering are developed and implemented through the activities in the pilot sections on National Highways and /or Motorways.
 - 3. Comprehensive road **safety programs** on the Rural and/or Local Roads are implemented in the pilot areas.
 - 4. Land transport administration for road safety on driver licensing and operation management for commercial vehicle is improved.





T/C projects : case of Thailand



Output2:

- Selection of **pilot sections** based on analysis of traffic accident data.
- The workshops to learn how to analyze/assume accident mechanism by using accident data



Site Investigation



Output3:

- Implementation of traffic safety programs utilizing resident participation methods
- Cooperation with related agencies for **nationwide development** of traffic safety programs







JC projects : case of Cambodia



- Output 1. The capacity of the relevant organizations for **Research & Analysis** for road safety is improved.
 - 2. The capacity of the relevant organizations for road safety **engineering** is improved through activities in the pilot area on the National Road No.5
 - 3. The capacity of the relevant organizations for traffic **enforcement** is improved through activities in the pilot area on the National Road No.5
 - 4. The capacity of the relevant organizations for the promotion of the safe behavioral **manners** for road traffic is improved through activities in the pilot area on the National Road No.5



The project targets pilot areas on National Road No.5





j T/C projects : case of Cambodia

Used to be ...

- Very simple analysis of collected accident data
- The causes of accidents have not been investigated in depth, and the traffic accident countermeasures to be developed lack specificity.

In this Project

- More precise and detailed data analysis (crosstabulation) allows for deeper investigation of accident causes.
- Also used as a communication tool for interagency collaboration.

Guideline for Traffic Accident Statistics and Analysis

Tabel of Content

1	Ov	erview
	1.1	Purpose of Traffic Accident Statistics and Analysis1-2
	1.2	Definitions1-2
	1.3	Traffic accident database1-3
	1.3	.1 COLLECTION OF CRASH DATA BY THE POLICE
	1.3	.2 COLLECTION OF CASUALTY DATA BY HOSPITAL
	1.4	Utilization of Traffic Accident Statistical Analysis Results1-6
	1.5	Analytical Methods for Traffic Accidents Data1-6
	1.6	Standard Analysis Items for the Annual Report (Draft)1-8
2	Tra	affic Accident Analysis Structure
	2.1	2.1 Department in charge2-9
	2.2	2.2 Mission of the department in charge2-9

<Road Traffic Accidents on NR5 : Before and After of construction>







20

T/C projects : case of Bangladesh



Project Purpose	DMP's capacity to implement comprehensive road traffic safety measures in DMA is strengthened			
Counterpart	Dhaka Metropolitan Police			
Output	 Capacity of Traffic Safety Education and Public Relations is strengthened. Capacity of Traffic Accident Report/Analysis is strengthened. Capacity of Planning/Implementation of Traffic Safety, Traffic Regulation and Enforcement is strengthened 			



T/C projects : case of Bangladesh



Activities

Output1:

- Behavioral change based on the mindset of citizens
- Development of road safety education

 teaching materials

-poster contests

-slogan



DMP Commissioner Award (Poster)





National Road Safety day (22 OCT)



- Provide drive training course
- Driver Training Institute 3
- Driving Training Centre 19

Output2:

- **Customize DRIVER** system prototype (web and android app).
- Data of "Road Crash Form" and ARF (record for trial) with GPS can be input in DRIVER



22

The Knowledge Co-Creation Program (KCCP) Group and Region-Focus

• Participants shall learn the overview of the experiences, knowledge and countermeasures for traffic safety accumulated in Japan through lectures/site visits.

In case Year 2022

Duration	2 weeks	Achievement of Course Objective
Participants	 Group A ✓ 7 members from Thailand, Cambodia, East Timor, Bhutan, Bangladesh, Nepal Group B ✓ 11 members from Colombia, Ecuador, Egypt, Ghana, Nigeria, Uganda, Tanzania, Kyrgyz, Democratic Republic of the Congo 	Presentation +Discussion Report making
Subjects	 ✓ Traffic enforcement including traffic police system, collection and analysis of accident data, and driving license system ✓ Traffic safety education and campaign, Traffic safety facilities ✓ Emergency rescue system ✓ Traffic safety policy ✓ Operation management of passenger and cargo transport 	Lecture/ Site observation/ Q+A Achievement of Module Outputs

company, etc.











The Knowledge Co-Creation Program (KCCP)

Group and Region-Focus

Date Time		ļ	Туре	Contents	Lecturer	
Nov.8, Wed.					Arrival in Japan :Haneda Airport	
Nov.9, Thu.	10:00	to	12:00	Lecture	Briefing	JICA
	14:00	to	16:00	Lecture	JICA Program Orientation	Consultant
Nov.10, Fri.	10:00	to	12:00	Lecture	Instruction of Road Safety Audit	University*
	14:00	to	16:30	Lecture	Applying and utilizing big data to city roads	University*
	18:00	to	20:00		Welcome party	
Nov.11, Sat.					Free time	
Nov.12, Sun.					Free time	
Nov.13, Mon.	10:00	to	12:00	Lecture	Traffic safety measures of national road	University*
	14:00	to	16:00	Site visit	Intersections at national road	University*
Nov.14, Tue.	10:00	to	12:00	Lecture	Visualization of accident data	University*
	14:00	to	16:30	Workshop	Visualization of accident data	University*
Nov 15 Wed	10:00	to	12:00	Lecture	Traffic safety measures of local road	University*
NOV.15, Wed.	14:00	to	16:00	Site visit	Intersections at local road	University*
	9:30	to	10:30	Lecture	Collection, analysis of traffic accident data	ITARDA
NOV. 10, 11U.	13:30	to	16:30	Lecture	Collection, analysis of traffic accident data	ITARDA
Nov17 Fri	10:00	to	12:00	Lecture	Traffic safety measures of arterial road	Consultant
NOV.17, FN.	14:00	to	16:00	Site visit	Intersections at arterial road	Consultant
Nov.18, Sat.					Preparation of report	
Nov.19, Sun.					Preparation of report	
Nov.20, Mon.	10:00	~	12:00	Discussion	Presentation, Evaluation Meeting, Closing ceremony	Consultant JICA
Nov.21, Tue.					Departure from Haneda airport	



Idea of "Road Safety Platform "

Activities of Platform

- Collect information and analyze the issues of road safety in the countries of JICA Project implementation.
- Evaluate and collect information of road safety Project their own in the countries of JICA Project implementation.
- Formulate /Monitor/Evaluate JICA's ongoing Project.
- Examine another cooperation and collaborate with JICA's others scheme.
- Share information and cooperate with international agencies and bilateral assistance agencies.











Thank you for your kind attention.







