

# **JICA's Development Initiative for Road Asset Management**

JICA Scholarship Program

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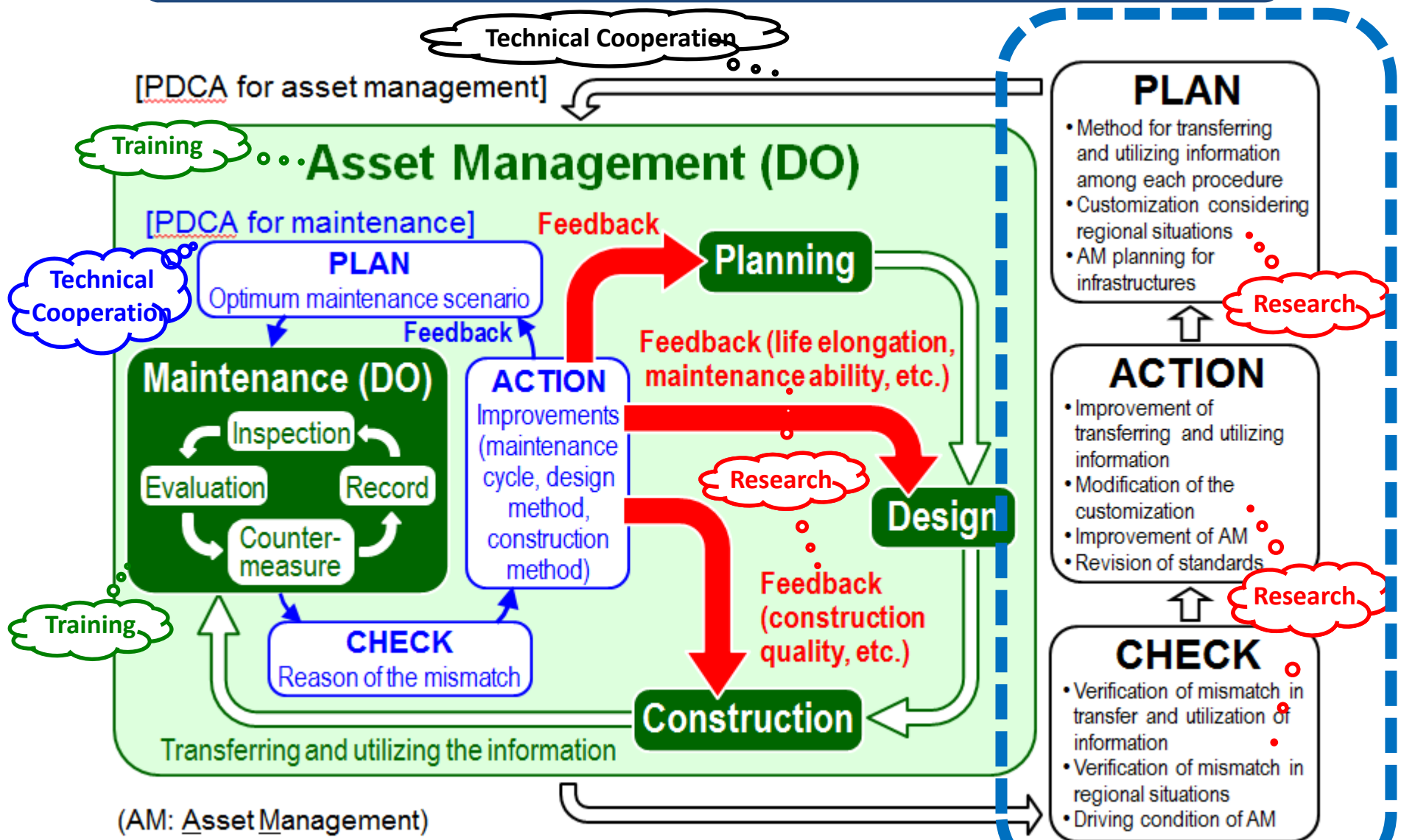
# Outline

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## *JICA Scholarship Program in JICA's Development Initiative for Road Asset Management*

Purpose	To equip comprehensive and <b>advanced knowledge and technics</b> with participants in order to be <b>Core human resource</b> for Road Asset Management.
Period	More than 1 year, depend on each courses (Most of courses are more than 2 years)
Implementing Agencies	Universities in Japan (Master or Ph.D. courses) Ex. University of Tokyo, University of Hokkaido etc...
Target Countries	Countries in which implement/implemented JICA's T/A regarding Road Asset Management

# Road Asset Management Conceptual diagram



Source: Introduction of SIP project / Current situation of infrastructure management in Japan and Asia, Kahei NAGAI, Associate Professor, International Center for Urban Safety Engineering (ICUS), Institute of Industrial Science, The University of Tokyo

# 3 Features

**JICA Scholarship Program in JICA's Development Initiative for Road Asset Management**

# **1. Collaboration with SIP**

## Collaboration with SIP

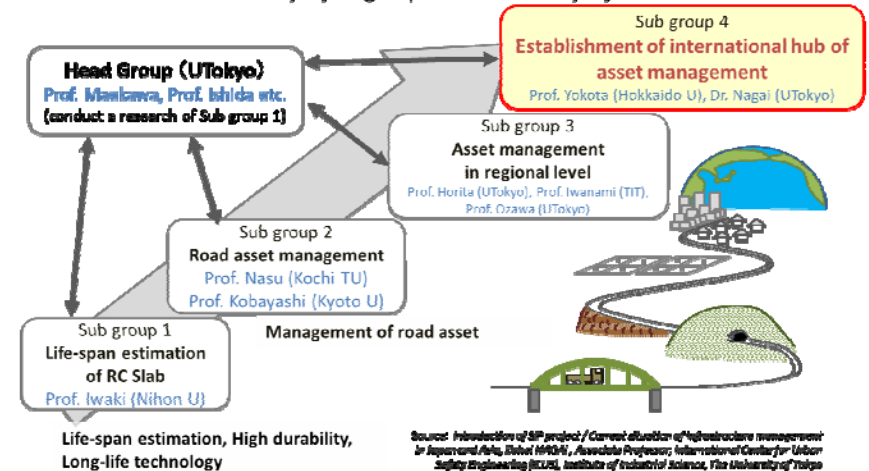
### Features of SIP

- Promotion of **end-to-end** research and development
- Based on **collaboration** between government, industry and academia
- From **basic research to practical application** and commercialization



- Acquiring Knowledge of **Japanese most advanced Technology** and **Practical Technology** which can be adapted in developing countries
- Building **Network** regarding Road Asset Management

- PDCA cycles of maintenance in the levels of Bridges, road, region.
- One head and four sub-project groups are set in this project.



## **2. Extra Programs**



# Extra Programs

No.	Contents	Purpose	Example
1.	Research in University	Research of each Research Theme	Master Course and Dr. Course

## Extra Program for this JICA Scholarship Program



2.	Special Program	<ul style="list-style-type: none"> <li>Acquiring Comprehensive Knowledge regarding each research Theme</li> <li>Building Network and Acquiring practical Skill</li> </ul>	Participation of other training course conducted by JICA such as short term training .
3.	Japan Understanding Program	To Acquire Knowledge of Japanese Experience.	Participation of the Program prepared by JICA
4.	Internship	If it is necessary, Participants can be internship Japanese private company, Research Institute and so on.	Internship in Japanese Companies and Institutes

# **3. Research Fields**

## 5. Human Resource Development for Road Asset Management Technology

Research Field	Road Asset Management Technology	Infrastructures Lifetime-Extending Maintenance Technology
Contents	Research and Development for Road Asset Management Technology (Customization considering regional situations etc)	Research and Development for Infrastructures Lifetime-Extending Maintenance Technology (Inspection and Repair Work etc.)



### Case of Lao PDR (Start from Oct. 2017) Road Asset Management Technology

Research Theme 1	Inspection and Assessment Method of Bridge Structures for Infrastructure Asset Management
Research Theme 2	Overloading Policy and Technology on Weigh Control



### Case of Lao PDR (Start from Oct. 2017) Infrastructures Lifetime-Extending Maintenance Technology

Research Theme	Extending Maintenance Model for Steel Bridges
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Thank you for your kind attention.