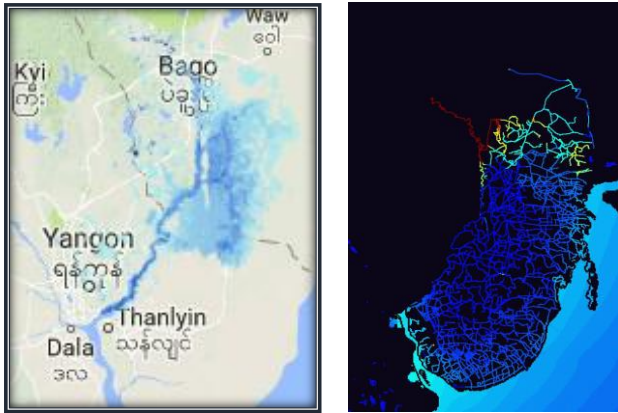


Development of Systems and Technologies for protecting country from disaster

1. Near real-time flood forecast system

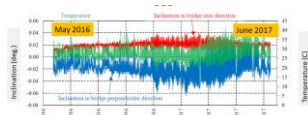


From data of the precipitation observation and a model of the numerical analysis, we analyze the flooding in real time.

2. Enhance disaster risk reduction facility for structure



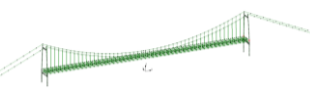
Damaged suspension bridge



Monitoring



Damaged suspension bridge made by 3D

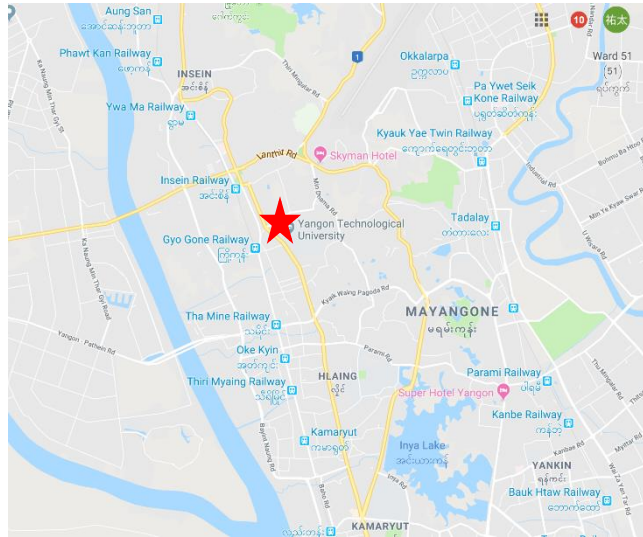


Structural analysis

We study a maintenance technology and the system of social infrastructure facilities (bridge).

SATREPS Project Office

Ground Floor, Technological Research Centre(TRC),
Yangon Technological University,
Insein Township, Yangon, Myanmar
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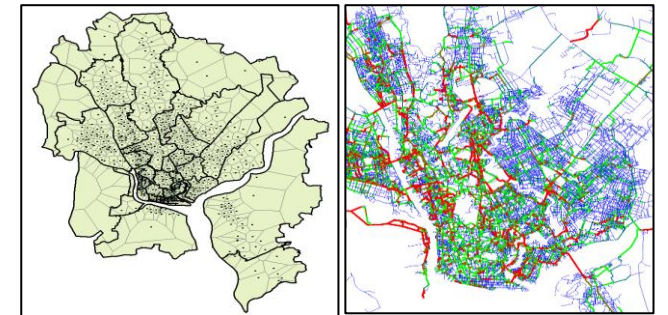
The Japan International Cooperation Agency(JICA) is a governmental agency that coordinates official development assistance for the government of Japan.

Version_2018 August



SATREPS

Development of a Comprehensive Disaster Resilience System and Collaboration Platform in Myanmar



※SATREPS is a Japanese government program that promotes international joint research. The program is structured as a collaboration between the Japan Science and Technology Agency (JST), which provides competitive research funds for science and technology projects, and the Japan International Cooperation Agency (JICA), which provides development assistance (ODA). Based on the needs of developing countries, the program aims to address global issues and lead to research outcomes of practical benefit to both local and global society

Project Purpose

Yangon Technological University (YTU) understands and develops a Comprehensive Disaster Resilience System and a Collaboration Platform for urban safety in Yangon and Bago.

Expected Outline

1. Development of physical model to evaluate disaster vulnerability
2. Development of scenario analysis system for assessing future disaster vulnerability
3. Development of main roles and activities of research centre for urban safety in YTU to sustain and enhance research activities and human resource development
4. Development of integrated disaster response support system including infrastructure maintenance management with adequate technologies

Duration

Oct. 1, 2014 to Mar. 31, 2020

Project site

Yangon and Bago

Background

Myanmar is a country with many storm and flood damage and earthquake disasters, but the disaster risks increase by recent sudden urbanization.

On the other hand, the problems such as the cooperation systems of the maintenance technology for social infrastructure facilities, disaster countermeasures, talent and the organization concerned are big piles.

Project Map

