



SATREPS project

Establishment of Environmentally Sound Management of Construction and Demolition Waste and Its Wise Utilization for Environmental Pollution Control and for New Recycled Construction Materials in Vietnam



SATREPS kicking-off workshop in Hanoi on 20 April 2018

Kicking-Off SATREPS Project

Based on the agreement between the Socialist Republic of Vietnam and Japan, the JST-JICA SATREPS (Science and Technology Research Partnership for Sustainable Development) project has begun from February 2018. SATREPS project targets to establish sound construction and demolition waste (CDW) management and promotion of its recycling in Vietnam.

The project aims to 1) establish guidelines necessary for the environmentally sound CDW management and quality standards for recycled materials produced from CDW, 2) develop new technologies utilizing recycled materials produced from CDW, and 3) propose strategic business models designed to promote the CDW recycling in Vietnam and examine their effectiveness and feasibility through on-site pilot projects.

Project Office: 4th Floor, Library Building, National University of Civil Engineering (NUCE),
No. 55, Giai Phong, Hai Ba Trung, Ha Noi, Vietnam Tel: +84 377 292 591
Contact: nakamuranoriyuki2@gmail.com (Mr. Noriyuki Nakamura / JICA Project Coordinator)
giangnh@nuce.edu.vn (Assoc. Prof. Nguyen Hoang Giang / Project Manager in Vietnam)
kawamoto@mail.saitama-u.ac.jp (Prof. Ken Kawamoto / Project Manager in Japan)
Website: https://www.jst.go.jp/global/english/kadai/h2901_vietnam.html
http://park.saitama-u.ac.jp/~vietnam_satreps/

The final goal of this study is to contribute to the achievement of a CDW recycling rate of 60%, which meets the Vietnam national strategy for management of solid waste up to the year 2025, through the application of developed technologies and business models to practical recycling businesses. In 2018, many activities have carried out to survey CDW generation and management in Hanoi and laboratory tests to develop new technologies.



Opening of SATREPS project office in NUCE on 19 April 2018



Courtesy call to Governor of Saitama Prefecture in Japan on 4 October 2018

Establishment of Guideline Committee and Technical Standard Committee

To promote sound CDW management and recycling and quality control of recycled materials produced from CDW, Guideline Committee and Technical Standard Committee have been established in 2018. The guidelines first target to formulate "Separation guideline for promoting CDW recycling" and "Technical requirements - Testing methods for Recycled Materials from Construction Demolition Waste for Base and Subbase of Urban Roads" in 2019.

Capacity Development, Public Awareness, and Academic and Outreach Activities

- Courtesy call to Haiphong People's Committee on June 2018
- Courtesy call to Governor of Saitama Prefecture in Japan on Oct 2018 (Business trip to Japan)
- Seminar on Waste Management in Asia at NIES on Aug 2018
- 2018 Joint Seminar between NUCE and Saitama University on Sep 2018
- Waste amount and composition survey at Thanh Tri CDW landfill on Dec 2018
- Participation in International academic conferences: GEOMATE 2017 on Nov 2017, ISE 2018 on Aug 2018, APLAS 2018 on Nov 2018, ICSBE on Dec 2018



Visit to CDW recycling facility in Japan on October 2018

Brief Information of SATREPS Project

Research Period: February 2018 ~ January 2023 (5 years)

Primary institute in Vietnam: National University of Civil Engineering (NUCE)

Primary institute in Japan: Saitama University

Partner Institutes in Vietnam: Ministry of Construction (MOC), Institute of Strategy and Policy on Natural Resources and Environment (ISPONRE), Hanoi University of Science and Technology (HUST), Hanoi Department of Construction (Hanoi DOC), Haiphong Department of National Resources and Environment and Department of Construction (Haiphong DONRE and DOC), Hanoi Urban Environment One Member Limited Company (Hanoi URENCO)

Partner Institutes in Japan: Center for Environmental Science in Saitama (CESS), National Institute for Environmental Studies (NIES)
