

## Guest Lectures on “Clean Development Mechanism (CDM) and Bilateral Offset Credit Mechanism (BOCM)”

**Representative:** Setianingsih, Guest Scholar, Institute of Technology Bandung (ITB), Indonesia.

**Date:** September 11<sup>th</sup>, 2012.

**Place:** Seminar Room #9311, Institut Teknologi Bandung, Indonesia.

**Organized by** Institut Teknologi Bandung, Kyoto University, and Kyoto University Global COE Program “Global Center for Education and Research on Human Security Engineering for Asian Megacities”.

**Co-organized by** PT Asia Carbon Indonesia.

**Number of Participants:** 45 persons.

**Presenters:** Mrs. Susy M. Simarankir (Executive Director - PT Asia Carbon Indonesia) and Prof. Toshifumi Matsuoka (Professor of Environment and Resource System Engineering Laboratory, Department of Urban Management - Kyoto University).

### Purpose

The Guest Lectures which has been held on September 11<sup>th</sup>, 2012 at ITB, Bandung, was the seminar activity presented as part of the implementation of the collaborative research among ITB, Kyoto University, Pertamina UTC, and PT Pertamina on “Pilot Study for Carbon Sequestration and Monitoring in Gundih Area, Central Java Province, Indonesia”. The purpose of this seminar activity was to introduce the concept of BOCM (Bilateral Offset Credit Mechanism), CDM (Clean Development Mechanism) and Carbon Credit related to socialization of “Carbon Emission Reduction Program”.

### Achievement and Results

The guest lectures activity on 11 September 2012 at ITB, Bandung, was organized by Institut Teknologi Bandung, Kyoto University, Global COE Program “Global Center for Education and Research on Human Security Engineering for Asian Megacities”, and PT Asia Carbon Indonesia. A large number of students have attended the seminar. They were students from Undergraduate Program in Geophysical Engineering and Magister Program in Geothermal Technology of ITB. Seminar was also attended by several lecturers from ITB and practitioners from PT. MEDCO E&P INDONESIA. There were 2 presentations which was attended by 45 participants.

The seminar was opened by Dr. Mohammad Rachmat Sule (Lecturer from Geophysical Engineering of ITB). He welcomed all the participants and introduced the presenters. After the opening session, there were lectures sessions. In this seminar activity, there were 2 guest lecturers from PT. Asia Carbon Indonesia and Kyoto University which have given several presentations relating to the concept of BOCM, CDM and Carbon Credit. The lecturers were Mrs. Susy M. Simarankir (Executive Director - PT Asia Carbon Indonesia) and Prof. Toshifumi Matsuoka (Professor of Environment and Resource System Engineering Laboratory, Department of Urban Management - Kyoto University).

In the first of the lecture session, Mrs. Susy M. Simarankir presented “Introduction on Carbon Emission Reduction Program”. In this session, she also presented the Clean Development Mechanism, Voluntary Emission Reduction, Carbon Market, and Carbon Emission Reduction Program Beyond 2012. Whereas in the second of the lecture session, Prof. Toshifumi Matsuoka presented “Bilateral Offset Credit Mechanism”. In his lecture, he explained purpose of the BOCM, implementation approaches, scheme & procedure of the BOCM, and

comparison between the proposed BOCM and the CDM. There were questions & answers session at the end of each lecture session.

Finally, the guest lectures activity was closed by Dr. Mohammad Rachmat Sule. The guest lectures activity has been successfully carried out. Participant's interest on the topic of “Carbon Emission Reduction Program” can be seen in their enthusiasm to ask / discuss with presenters. Intensive discussion was also carried out after the presenters finalized their lectures.



Presenters and participants of guest lectures activity on 11 September 2012 at ITB, Indonesia



Opening the guest lectures activity



Guest lectures activity in Seminar Room #9311, ITB

# 招待講義 “クリーン開発メカニズム (CDM) および二国間オフセットクレジットメカニズム (BOCM)”

代表者：Setianingsih (招待研究員, ITB 工科大学, インドネシア)

開催日時：2012年9月11日

開催場所：バンドン工科大学 9311 講義室 (インドネシア)

主催：バンドン工科大学、京都大学、京都大学グローバル COE プログラム「アジア・メガシティの人間安全保障工学拠点」

共催：Pt. Asia Carbon Indonesia

参加人数：45名

主な参加者：Mrs. Susy M. Simarankir (Executive Director, PT Asia Carbon Indonesia), 松岡俊文 (教授、京都大学大学院工学研究科都市社会工学専攻)。

## 目的・概要

2012年9月11日にバンドン工科大学で開かれた本招待講義は、“インドネシア中部ジャワ州グンディガス田における二酸化炭素の地中貯留及びモニタリングに関する先導的研究”に関する、バンドン工科大学、京都大学、ペルタミナ石油による共同研究の活動の一環として行われた。本講義では、クリーン開発メカニズム (CDM)、二国間オフセットクレジットメカニズム (BOCM) および、「二酸化炭素排出量削減計画」の国策化に関係するカーボンクレジットについて紹介された。

## シンポジウムの様子・得られた成果

本招待講義はバンドン工科大学、京都大学、京都大学グローバル COE プログラム「アジア・メガシティの人間安全保障工学拠点」および PT. Asia Carbon Indonesia によって行われた。バンドン工科大学およびインドネシアの E&P 企業である PT. MEDCO から多くの参加者を集め、2つのプレゼンテーションが行われた。

Mohammad Rachmat Sule 博士 (ITB) の歓迎の挨拶に始まり、Susy M. Simarankir 氏 (PT Asia Carbon Indonesia) および松岡俊文教授 (京都大学) によってクリーン開発メカニズム (CDM)、二国間オフセットクレジットメカニズム (BOCM)、カーボンクレジットに関する講義が行われた。

まず、Susy M. Simarankir 氏が二酸化炭素排出量削減計画の紹介講義を行い、クリーン開発メカニズム、自主的排出量削減 (VER)、排出権取引市場、二酸化炭素排出量削減計画 2012 について言及した。続いて、松岡俊文教授 (京都大学) が二国間オフセットクレジットメカニズム (BOCM) についての講義を行い、BOCM の目的やその実施方法、クリーン開発メカニズム (CDM) との違いなどについて説明を行った。また、各講義の後には質疑応答の時間が設けられた。

最後に、Mohammad Rachmat Sule 博士の挨拶で締

めくられ、本招待講義は成功の後、幕を閉じた。本講義では、参加者と講師陣との間で講義後にまで及ぶ白熱した議論が巻き起こり、「二酸化炭素排出量削減計画」に関する参加者の強い関心が見て取れた。



本招待講義の集合写真



招待講義開会の挨拶



招待講義の様子