

International Meeting on BIOREMEDIATION OF ACID SULFATE SOIL FOR AGRICULTURE AND FORESTRY

March 1 (Thursday)

15:00-17:00 Registration

March 2 (Friday)

9:00-10:00 Registration

10:00-10:30 Inauguration

Satohiko Sasaki (Leader of COE Program, Nihon University, Japan)
Chaiwat Sittibush (Director General of Land Development Department, Thailand)

10:30-12:00 Invited Lectures

Research issues for lowland rice areas in Southeast Asia.

Shu Fukai (Professor of University of Queensland, Australia)

Acid sulfate soil improvement projects in Thailand during the last decade.

Apichart Jongskul (Deputy Director General of Land Development Department, Thailand)

13:30-17:30 Research Reports by The Project Members

Yield trials of acid sulfate soil tolerant rice varieties in Thailand.

Dong-Jin Kang, Young-Jin Seo, Koichi Futakuchi, Pisoot Vijarnsorn, Chaiwat Sittibush and Ryuichi Ishii (Japan, Korea, Benin, Thailand)

Pasture management on the farmers' land in Ratchaburi Province, Thailand

Somsot Dumnoengnam, Dong-Jin Kang, Isao Hasegawa and Ryuichi Ishii (Thailand, Japan)

Peat swamp forest status of Thailand and guideline for rehabilitation.

Tanit Nuyim (Thailand)

Field experiment of crop cultivation on acid sulfate soil in Hainan Island of China.

Jian Wang, Weidong Wu, Wangang Deng and Akira Noguchi (China, Japan)

Problems in crop production with the acid sulfate soil in Mekong Delta of Vietnam.

Minh Quang Vo, Nhut Minh Do, Hung Ngoc Ngo and Ve Bao Nguyen (Vietnam)

Pedogenic process and soil chemical properties of Mekong Delta, Vietnam.

- Fate of sulfur in soil profiles derived from acid sulfate soils-

Hiroaki Sumida, Kouji Tada, Hiroshi Uchiyama, Masayuki Kawahigashi, Shingo Ueda, Nhut Minh Do and Ve Bao Nguyen (Japan, Vietnam)

Isotopic approach to the genesis and the current status of acid sulfate soil in the Central Plain, Thailand.

Shingo Ueda, Dong-Jin Kang, Hiroaki Sumida, Sadao Nagasaka and Pisoot Vijarnsorn (Japan, Thailand)

Improvement of reclamation method for acid sulfate soil.

Sadao Nagasaka, Eiichi Kohno, Dong-Jin Kang, Pisoot Vijarnsorn, Shingo Ueda and Shigeo Ishikawa (Japan, Thailand)

The role of arbuscular mycorrhizal fungi in crop cultivation under acid sulfate soil conditions of Thailand.

Katsunori Isobe, Dong-Jin Kang, Masao Higo and Ryuichi Ishii (Japan)

Waterweeds adapted to actual acid sulfate soils (AASS) and their associated microorganisms.

Tomoko Aizawa, Ken-ichiro Kimoto, Dong-Jin Kang, Hiroaki Sumida, Hiroshi Uchiyama, Ve Bao Nguyen, Pisoot Vijarnsorn, Isao Hasegawa, Satohiko Sasaki, Tomohiko Tamura, Ken-ichiro Suzuki, Mutsuyasu Nakajima and Michio Sunairi (Japan, Vietnam, Thailand)

Newly isolated nitrifying bacteria and sulfur-oxidizing bacteria from acid sulfate soil.

Reiji Takahashi, Kazuo Satoh, Tatsunori Nakagawa, Dong-Jin Kang, Hiroaki Sumida, Katsunori Isobe and Tatsuki Tokuyama (Japan)

March 3 (Saturday)

10:00-13:45 Invited Lectures

Acidification of soils in Australia under agricultural systems.

Richard Bell (Professor of Murdoch University, Australia)

Present situation in the use of microbial materials for agriculture in Japan.

Makoto Kimura (Professor of Nagoya University, Japan)

Self-reliance theory for sustainable agriculture development as initiated by His Majesty the King of Thailand.

Pisoot Vijarnsorn (Director of Acid Sulfate Soil Improvement Project under the Royal Initiatives, Chaipattana Foundation, Thailand)

13:45-16:45 Research Reports by The Project Members

Geomorphologic features, development of horticulture and an accumulation of agricultural technique on acid sulfate soil area of the central plain, Thailand.

Kazuo Mizushima, Tetsuya Waragai and Tadamoto Yamamoto (Japan)

A land cover analysis using time series satellite data for the investigation of the effect of the acid sulfate soil in the Southeast Asia.

Yasunori Nakayama, Yusuke Maeda and Ikuko Gotou (Japan)

Socio-economic conditions in participatory rural development focused on land improvement in Thailand and Vietnam.

Kazuo Hanzawa, Masami Mizuno, Reishi Matsumoto, Pisoot Vijarnsorn and Ve Bao Nguyen (Japan, Thailand, Vietnam)

Aluminum and low pH tolerance of tropical trees and their performance on acid sulfate soils in Thailand.

Ko Tahara, Mariko Norisada, Takashi Yamanoshita, Katsumi Kojima, Isao Hasegawa, Tanit Nuyim, Taizo Hogetsu, Dong-Jin Kang, Pisoot Vijarnsorn and Satohiko Sasaki (Japan, Thailand)

Adaptive strategies in plants to grow under the strongly acidic condition

Akira Noguchi, Hiroyuki Kashima, Fumie Shinmachi, Satohiko Sasaki and Isao Hasegawa (Japan)

Fine mapping and gene expression analysis of root elongation under phosphorus deficiency.

Akifumi Shimizu, Kenji Kato, Akiko Komatsu and Hiroshi Ikehashi (Japan)

Identification of genes that confer tolerance to acid sulfate soil.

Toshio Aoki, Ryujiro Imaizumi, Masayuki Shimamura, Yuji Sawai, Tomomi Sugeta, Noriyuki Nukui and Shin-ichi Ayabe (Japan)

Cancer chemoprevention by organosulfur compounds derived from the genus *Allium*.

Takashi Hosono, Tomomi Fukao, Tai-ichiro Seki, Toyohiko Ariga and Isao Hasegawa (Japan)

16:45-17:00 Summarization and perspective for the research of COE Program

Satohiko Sasaki (Leader of COE Program, Nihon University, Japan)

March 4 (Sunday)

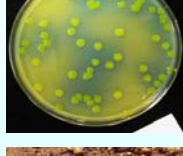
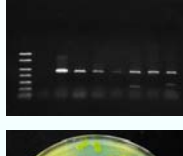
Trip to Experimental Site: Banna Experiment Station for Acid Sulfate Soil Improvement Project under the Royal Initiatives, Chaipattana Foundation, Nakhon Nayok Province

Brief presentation of Acid Sulfate Soil Improvement Project activities

Pisoot Vijarnsorn (Director of Acid Sulfate Soil Improvement Project under the Royal Initiatives, Chaipattana Foundation, Thailand)

Brief presentation of COE Project activities at Banna Exp. Stn.

Dong-Jin Kang (Nihon University, Japan)



DATE: March 1 (Thu) - 4 (Sun), 2007

VENUE: Maruay Garden Hotel

1 Phaholyothin Road, Senanikhom, Chatuchak, Bangkok, 10900 Thailand Tel. +66-2-561-0510~47

REGISTRATION FEE: Free of charge

Core-Institution: Nihon University with 21st Century COE (Center of Excellence) Program, Japan

Collaborating Institutions: Acid Sulfate Soil Improvement Project under the Royal Initiatives, Chaipattana Foundation, Thailand and Land Development Department, Thailand