Minutes of the Seventh Meeting of the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM)

Date: October 13th and 15th, 2010

Meeting Place: KOKUYO Hall, Shinagawa, Tokyo, Japan (October 13th, 2010)
Meeting Room, NBRC, NITE, Kisarazu, Chiba (October 15th, 2010)

Participants:

Members:

1. Cambodia (1 person)
2. China (2 person),
3. Indonesia (3 persons)
4. Japan (Approximately 50 persons:) *Host country
5. Korea (7 persons)
6. Lao (1 person)
7. Malaysia(2 persons),
8. Mongolia (3 persons)
9. Thailand (5 persons)
10. The Philippines (1 persons)
11. Vietnam (2 persons)
12. Myanmar was absent

Non-members:

1. Brunei (2 persons)
2. India (1 person)
3. Korea (1 person)
4. Pakistan (1 person)
5. Taiwan (1 person)

Agenda

A. Welcome Remarks
B. Adoption of the Agenda
C. Discussion and confirmation of Kazusa Statement of ACM
D. Discussion of ACM future
E. Adoption of Minute of Meeting ACM6 in Vietnam
F. Country Reports
G. Task Force on Asian Biological Resource Center Network (BRC) Network
H. Task Force on Human Resource (HRD) Development
I. Task Force on Management of Material Transfer of Biological Resource (MMT)
J. Host country for ACM8

Minutes

1. Welcome Remarks

Mr. Yojiro Yamamoto, the Chair of 7th ACM Meeting, welcomed the members to Japan and to the 7th ACM Meeting.

2. Discussion and confirmation of Kazusa Statement of ACM

Dr. Katsuhiko Ando and Dr. Puspita Lisdiyanti were selected as co-chairs for discussion of Kazusa Statement. The statement was confirmed and approved by all ACM members on 15 October, 2011. All present members agreed that the statement would be published on the side event of COP10 for CBD at Nagoya, Japan.

Kazusa Statement

In the 7th ACM Meeting at Department of Biotechnology, National Institute of Technology and Evaluation (NITE) in Kazusa, Chiba Prefecture in Japan, the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM) members,
Recognizing that microbes such as filamentous fungi, yeasts, mushrooms, bacteria, archea, and microalgae play important roles in the global ecosystem either directly or indirectly;
Recognizing that the diversity of microbes is as such that microbes discovered to date only account for less than 10% of the total species, which means that many novel and yet-to be-discovered microbes inhabit the earth;
Recognizing that the diversity of microbes is endangered by global climate changes, habitat changes, over exploitation, and ecosystem destruction;
Recognizing that long-term laboratory preservation of microbes is technically well attainable; and
Recognizing that microbes are crucial biological resources to academia, biotechnology and bio-industries contributing to technology, economy and social developments.
Have reached agreements as follows:

1. Prompt action of each country towards *ex-situ* conservation of microbes is imperative.
2. For effective *ex-situ* conservation of microbes, international research cooperation is essential.
3. Active international research cooperation needs to be promoted by establishing a scheme to facilitate international transfer of microbial resources, further provision of technical cooperation and capacity building in full compliance with the principles of the Convention on Biological Diversity.
4. For clarification of endangered microbes and conservation areas, a list of domestic microbes should be created.
5. Microbial taxonomists should take an initiative on the creation of such a list with the support of international research cooperation.
6. Demand for and importance of microbial taxonomists should therefore be well recognized in each country, so that having training program in place for microbial taxonomists who can keep inter-generational continuity seems imperative.

To achieve the intention of this Kazusa Statement, the establishment of Microbial Resource Center (MRC) in each country is necessary. By establishing the MRC, the training program for microbial taxonomists, legal management of microbial resources, the creation of the list of domestic microbes through exploration, characterization, conservation and sustainable utilization of these microbial resources can be carried out. Furthermore, the MRC can make a significant contribution to the development of the bio-industry by providing scientific and technical services to various users. The MRCs in countries must endeavor to maintain close coordination with each other and dedicate to exploration and promotion of utilization of microbes.

15 October 2010

3. Discussion of ACM future

Dr. Ken-ichiro Suzuki was selected as a chair for discussion of concept for the future ACM. Before the discussion started, it was explained by the Chair Ken-ichiro Susuki that it was passed 6 years after ACM establishment and we could succeed to make a good network through ACM activity. To achieve the aim of ACM, the future of ACM was discussed focusing on three points: ACM membership, budget for ACM activity, the way of ACM (research collaboration, legal management, or collection network etc.). Those issues had been pointed out at 1st ACM meeting. However, solutions to those issues were not adopted for discussion on the 1st ACM because ACM was just formed and started. On the 7th ACM, various questions and opinions related to those issues were exchanged as follows:

a. Participation of company as a member
b. The number of focal point in one country
c. Membership for new member country
d. Establishment of Steering committee of ACM

e. Mechanism of budget for ACM activity: membership fees and/or voluntary financial support
f. Publication of e-journal
g. Link to World Federation of Culture Collection (WFCC)

Solutions to those issues were not adopted for discussion at general assembly of ACM7, namely the discussion was postponed to ACM8. All delegates recognized the necessity of considering the picture of future ACM including structural reformation of ACM and revision of administration rule of ACM.

Subsequently, we decided to send the announcement of ACM8 meeting to Brunei, India, Pakistan and Taiwan, yet they are not ACM members.

4. Adoption of Minute of Meeting ACM6 in Vietnam

Dr. Le Minh Sat, Ministry of Science and Technology, Vietnam summarized the ACM6 meeting held in Vietnam, and the members approved the minute of the ACM6 in Vietnam.

5. Country Reports

Country reports were presented by the representative person of each of the member countries.

6. Task Force on Asian Biological Resource Center (BRC) Network

Dr. Ken Suzuki, the Chair of BRC-TF, summarized the activity of BRC-TF. Dr. Ma (IM-CAS, China) introduced the prototype (The Network for Asian Biological Resource Centers <http://www.abrcn.net/cgmcc>) of network by linking collections including CGMCC in China, NBRC in Japan, KCTC in Korea, BCC in Thailand, ITDI in the Philippines, PNCM in the Philippines, UL in the Philippines, UPCC in the Philippines and MCC in the Philippines. In addition, Dr. Ma informed the ABRCN workshop held in China in 2011.

7. Task Force on Human Resource Development (HRD)

Human Resource Development (HRD) Task Force

Dr. Rosario G. Monsalud, the Chair of HRD-TF, informed the 5-day training course on "Long-Term Preservation and Management of Microbial Cultures with Agricultural Importance" to be held at BIOTEC, Thailand. The training course was put together after several active discussions via the e-group that was established for the HRD Task Force members.

8. Task Force on Management of Material Transfer of Biological Resource (MMT)

Dr. Tanit, the Chair of MMT-TF, introduced the Management of MMT structure, I: Introduction to the Guide, II: Biological Resource Center, III: Deposit Management, IV: Distribution Management, V: Procedure for Deposit and Distribution Operation, VI: BRC New Management System. This guide is a first publication produced by the ACM MMT-TF, laying down practical guide for the effective management of material transfer. It is designed to be an open-ended management guide. The guide contains the minimum management tools which are developed to be easily understood and used.

9. Host country for ACM8

The 8th ACM Meeting will be hosted by MALDI in Malaysia.

10. Others

The International Symposium for the Conservation and Sustainable Use of Asian Microbial Resources was held on October 13th and 14th in Shinagawa, Tokyo. (See ANNEX1 for program)

ANNEX 1: Program of ACM annual meeting and joint symposium

October 13th, 2010 [KOKUYO Hall]

ACM annual meeting (CLOSED)

9:30 – 11:30
Opening address
Yojiro Yamamoto, *Director General, Department of Biotechnology, NITE, Japan*

Discussion for ACM statement
Chair person: **Katsuhiko Ando,** *Director for Biotechnology Development Center, NITE, Japan*

11:30 – 13:00 Lunch time

International Symposium

Opening Ceremony
13:30 - 13:50
Ken-ichiro Suzuki, *Secretary General, Organizing Committee of ACM7 & International Symposium*

Itaru Yasui, *President, National Institute of Technology and Evaluation (NITE), Japan*

Masanori Suzuki, *Director-General, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry, Japan*

Session 1 Microbial diversity in Asia
13:50-15:10
Chair person: **Akira Nakagiri**, *NITE, Japan*

1-1 Analysis of kimchi microflora by culture-dependent and independent approach
Jung-Sook Lee
Korean Collection for Type Cultures (KCTC), KRIBB, Korea

1-2 Isolation, identification, and characterization of microorganisms trapped in ancient permafrost ice wedge
Michiko Tanaka[1], Taiki Katayama[1], Tomoko Kato[1], Anatoli Brouchikov[2], Thomas A. Douglas[3], Masami Fukuda[4] and Kozo Asano[1]
[1]Research faculty of Agriculture, Hokkaido University, Hokkaido, Japan, [2]Geocryology Department, Moscow State University, Moscow, Russia, [3]Cold Regions Research and Engineering Laboratory, Alaska, USA, [4]International Arctic Research Center, University Alaska, USA

1-3 Joint-sampling on Brunei forest microbes: update
Mahmud Yussof and Zaeidi Hj Berudin
Forestry Department, Ministry of Industry and Primary Resources, Brunei

15:10- 15:45 Poster presentation & Coffee break

15:45 - 16:40
Chair person: **Atsushi Yamazoe**, *NITE, Japan*

1-4 Diversity of beneficial microbial resource from Pakistani ecology
Iftikhar Ahmed[1], Rifat Hayat[2], Muhammad Ehsan[2], Aneela Roohi[3] and Muhammad

Iqbal[1]
[1]Plant Biotechnology Program, NIGAB, National Agricultural Research Centre, Pakistan, [2]Department of Soil Science & SWC, PMAS Arid Agriculture University, Pakistan, [3]Department of Microbiology, Kohat University of Science and Technology, Pakistan

1-5 Complete genome sequence of bacterial endosymbionts of termite-gut protists and exploiting yet-uncultured microbial resources
Moriya Ohkuma
RIKEN BioResource Center, Japan

Session 2 Bioproduction from Asian Microbial resources (1)
16:40 - 17:40
Chair person: **Kazuhito Fujiyama,** *Osaka Univ. Japan*

2-1 Novel bacteriocins of thermotolerant lactic acid bacteria from Asian microbial resources
Kenji Sonomoto, Takeshi Zendo and Jiro Nakayama
Laboratory of Microbial Technology, Department of Bioscience and Biotechnology, Faculty of Agriculture, Graduate School, Kyushu University, Japan.

2-2 Exploration of thermotolerant useful microbes in tropical environments and their application
Mamoru Yamada
Applied Molecular Bioscience, Graduate School of Medicine and Department of Biological Chemistry, Faculty of Agriculture, Yamaguchi University, Japan

18:00 - 20:00 Reception

October 14th, 2010 [KOKUYO Hall]

9:30 - 9:50
Special talk
Twin Conventions: Climate Change (UNFCCC) and Biological Diversity (CBD)
Itaru Yasui,
National Institute of Technology and Evaluation (NITE), Japan

Session 2 Bioproduction from Asian Microbial resources (2)
9:50 - 11:20
Chair person: **Mamoru Yamada**, *Yamaguchi Univ. Japan*

2-3 Construction of bagasse decomposing microbial communities In Thailand and Japan --- An attempt for comparative biotechnology? ---
Yasuo Igarashi[1], Shunsuke Kudo[1] and Verawat Champreda[2]
[1]Department of Biotechnology, University of Tokyo, Japan, *[2]Enzyme Technology Laboratory, BIOTEC, Thailand*

2-4 Microbial utilization from Thai-isolated fungi: current status and future prospect
Lily Eurwilaichitr[1], Warasirin Sornlake[1], Panida Matetaviparee[1], Supattra Kittikhun[1], Sutipa Tanapongpipat[2] and Verawat Champreda[1]
[1]Enzyme Technology Laboratory, Bioresources Technology Unit, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand, [2]Microbial Cell Factory Laboratory, Bioresources Technology Unit, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand

2-5 Diversity of yeasts from high temperature regions of India, and pullulan production by an osmotolerant *Aureobasidium pullulans*
Puja Saluja[1,2], Anirban Roy Choudhury[3] and G. S. Prasad[1]

[3]Biochemical Engineering Research & Process Development Centre (BERPDC), India, [1]Microbial Type Culture Collection and Gene Bank (MTCC), Institute of Microbial Technology (IMTECH), Council of Scientific and Industrial Research (CSIR), India, [2]Division of Biology, California Institute of Technology, USA.

11:20 – 13:00 Lunch time

Section 3 Potential of Asian Microbial Resources for Bioindustry
13:00 – 14:50
Chair person: **Kenji Sonomoto**, *Kyushu Univ. Japan*

3-1 Joint research projects with Asian countries and NITE
Katsuhiko Ando
NITE Biotechnology Development Center (NBDC), Japan

3-2 Tropical microorganisms in natural product based drug discovery
Hideyuki Muramatsu
Fermentation Research Div., Astellas Research Technologies Co., Ltd. Japan

3-3 Access and use of Asian microbial resources in Chugai
Yuichi Yamaguchi[1], Takamichi Ohdake[1], Yoshie Nagahashi[1], Hideyuki Katoh[1], Katsuhiko Ando[2], Shigeki Inaba[2], Duong Van Hop[3], Tsetseg Baljinova[4] and Masahiro Aoki[1]
[1]Chugai Pharmaceutical Co., Ltd, Japan, [2]NITE Biotechnology Development Center (NBDC), Japan [3]Institute of Microbiology and Biotechnology, Vietnam National University, Hanoi (IMBT-VNUH), Vietnam [4]Institute of Biology, Mongolian Academy of Sciences (MAS), Mongolia

3-4 Identification and evaluation of microbes derived from Mongolian traditional fermented milk
Gentaro Yasuda[1], Tadashi Shinoda[1], Tsetseg Baljinova[2], Katsuhiko Ando[3] and Naoyuki Yamamoto[1]
[1]Microbiology & Fermentation Lab., Calpis Co., Ltd., Japan, [2]Institute of Biology, Mongolian Academy of Sciences (MAS), Mongolia, [3]NITE Biotechnology Development Center (NBDC), Japan

14:50 – 15:10 Coffee break

Session 4 Microbial Research Network
15:10 – 16:50
Chair person: **Yeonhee Lee**, *KNRRC, Korea*

4-1 International exchange and collaborative research in Southeast Asia; issues on bioresources, research and its outcome
Kazuhito Fujiyama
International Center for Biotechnology, Osaka University, Japan

4-2 RNAM: A new platform for research in applied and environmental microbiology in China
Huang Li
Institute of Microbiology, Chinese Academy of Sciences, China

4-3 Paradigm shift in access to genetic resources: an example of Mongolia-Japan collaboration on diversity of Mongolian microorganisms
Tsetseg Balijinova
Institute of Biology, Mongolian Academy of Sciences (MAS), Mongolia

4-4 The Asian consortium for conservation and sustainable utilization of microbial resources (ACM) for the harmonized international cooperation in the CBD era
Ken-ichiro Suzuki
NITE Biological Resource Center (NBRC), Japan

16:50 – 17:10
Panel Discussion:
Sustainable use of microbial resources in the CBD era and cooperative model for research on microorganism in Asia
Chair: Ken-ichiro Suzuki
Panelist: Kazuhito Fujiyama, Yasuo Igarashi, Kenji Sonomoto, Mamoru Yamada, Katsuhiko Ando

17:10- 17:15 Closing remarks

Poster presentation
October 13th and14th, 2010 at KOKUYO Hall

P-1 IMCAS-BRC, an infrastructure to promote the sustainable application of microbial resources
Yu-Guang Zhou
Institute of Microbiology, Chinese Academy of Sciences, China

P-2 Indonesian microbial culture collection and its management, a foundation toward sustainable use of microbial genetic resources
Heddy Julistiono[1], Atit Kanti[1] Puspita Lisdyanti[2], Yantyati Widyastuti[2] and Endang Sukara[2]
[1]Research Center for Biology, Indonesian Institute of Sciences (LIPI), Indonesia. [2]Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI), Indonesia

P-3 Actinomycetes in Cibinong Science Center, Indonesia.
Yantyati Widyastuti[1], Puspita Lisdiyanti[1], Shanti Ratnakomala[1], Gina Kartina[1], Roni Ridwan Rohmatussolihat[1], Evi Triana[2], Nunuk Widhyastuti[2], Ratih D. Hastuti[3], Yulin Lestari[4], Misa Otoguro[5], Hideki Yamamura[5] and Katsuhiko Ando[5]
[1]Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI), Indonesia, *[2]Research Center for Biology, Indonesian Institute of Sciences (LIPI), Indonesia, [3]Indonesia Soil Research Institute, Ministry of Agriculture, Indonesia*, *[4]Fac. of Mathematics and Sciences-IPB, Indonesia*, *[5]NITE Biotechnology Development Center (NBDC), Japan*

P-4 Diversity of actinomycetes isolated in Indonesia
Puspita Lisdiyanti[1], Shanti Ratnakomala[1], Roni Ridwan[1], Gina Kartina[1], Rohmatussolihat[1], Misa Otoguro[2], Hideki Yamamura[2], Tomohiko Tamura[2], Shinji Miyadoh[2], Evi Triana[3], Arif Nurkanto[3], Yulin Lestari[4], Ratih D. Astuti[5], Rasti Saraswati[5], Yantyati Widyastuti[1] and Katsuhiko Ando[2]
[1]Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI), Indonesia, [2]NITE Biotechnology Development Center (NBDC), Japan [3]Research Center for Biology, Indonesian Institute of Sciences, Indonesia, [4]Faculty of Biology, Bogor Agriculture University, Indonesia, [5]Research Center for Soil, Ministry of Agriculture of Indonesia, Indonesia

P-5 Current status and future plan of KCTC/BRC
Jung-Sook Lee[1], Byung-Chan Kim[1], Song-Gun Kim[1] and Sangmee Lee[2]
[1]Korean Collection for Type Cultures (KCTC), Biological Resource Center (BRC), Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea, [2]Ministry of Education, Science and Technology (MEST), Korea

P-6 Korean Agricultural Culture Collection(KACC)
Seung-Beom Hong, Soo-Jin Kim, Yi-Seul Kim, Soon-Wo Kwon, In-Cheol Park, Soon-Ja Seok and Hang-Yeon Weon
Korean Agricultural Culture Collection (KACC), Korea

P-7 Bacterial diversity and community structure of fermented soybean products in Korea
Yi-Seul Kim, Hang-Yeon Weon, Soo-Jin Kim, Soon-Wo Kwon, Seung-Beom Hong, In-Cheol Park and Soon-Ja Seok
Korean Agricultural Culture Collection (KACC), Korea

P-8 The Korea National Research Resource Center
Yeonhee Lee
Korea National Research Resource Center (KNRRC), Korea

P-9 Bioactive compound of endophytic actinomycetes from Laos medicinal plants and their anti-microbial activities
Phetsamone Phommaxay[1], Surioudong Sundara[1], Watanalai Panbangred[2] and Takuya Nihira[3]
[1]*Science and Technology Research Institute, National Authority for Science and Technology, Lao PDR,* [2]*Department of Biotechnology, Faculty of Science, Mahidol University, Thailand,* [3]*International Center for Biotechnology, Osaka University, Japan*

P-10 Comparison on the carbon source utilization of *Erwinia chrysanthemi* stored in long-term storage medium
Nor Ayshah Alia Ali Hassan and Rosnah Hassan, Nuradni Hashim
Strategic Resource Research Centre, Malaysian Agricultural Research and Development Institute (MARDI), Malaysia

P-11 Halophilic bacteria of the genus *Halobacillus* with *meso*-diaminopimelic acid in the cell-wall peptidoglycan found in Mongolia
Nurymkhan Marjangul[1], Yukiyo Fukunaga[2], Katsuhiko Ando[2], and Tsetseg Baljinova[1]
[1]*Institute of Biology, Mongolian Academy of Sciences (MAS), Mongolia*, [2]*NITE Biotechnology Development Center (NBDC), Japan*

P-12 National Culture Collection of Pakistan: Past, present and the future - a country report
Iftikhar Ahmed[1], Shazia Erum[2], Muhammad Iqbal[1] and M. Shahid Masood[2]
[1]*Plant Biotechnology Program, NIGAB, National Agricultural Research Centre, Islamabad, Pakistan,* [2]*Plant Genetic Resources Program, IABGR, National Agricultural Research Centre, Islamabad, Pakistan.*

P-13 Anti-MRSA, -Vibrios and -*C. albicans* identified from mangrove microorganisms in the Philippines
Monsalud RG[1], Clavillas JDL[1], Papa Ia[1], Zulaybar TO[1], Leyesa EM[1], Papa IA[1], Creencia AR[1], Alonte JD[2], Daquinag JM[2] and Bautista VW[3]
[1]*Philippine National Collection of Microorganisms (PNCM), BIOTECH, University of the Philippines-Los Baños, College, Laguna, Philippines;* [2]*CAS, UP-Manila, Philippines;* [3]*IMCB, The University of Tokyo, Japan*

P-14 BCRC Culture Collection
Yu-Fen Chen
Bioresource Collection and Research Center (BCRC), Taiwan

P-15 Screening and characterization for lignocellulosic degrading enzymes from leaf litter fungi
Warasirin Sornlake[1], Anantasia Indriani[2], Panida Matetaviparee[1], Supattra Kittikhun[1], Sutipa Tanapongpipat[3], Verawat Champreda[1] and Lily Eurwilaichitr[1]
[1]*Enzyme Technology Laboratory, Bioresources Technology Unit, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand,* [2]*Department of Nutrition*

and Feed Science, Fac. of Animal Sci. Diponegoro University, Indonesia, [3]Microbial Cell Factory Laboratory, Bioresources Technology Unit, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand

P-16 Animal, plant and microbial genetic resources conservation and management in Vietnam
Cung Thi Thu Thuy[1] and Le Minh Sat[2]
[1]National Hospital of Gynaecology - Obstetric Hospital, Ministry of Health of Vietnam, [2]Ministry of Science and Technology, Vietnam

P-17 Recent activities of the Japan Society for Culture Collections (JSCC)
T. Sato, T. Ezaki, R. Fudo, F. Kasai, T. Kudo, A. Maruyama, Y. Mikami, Y. Nakagawa, H. Sugawara, M. Takashima, N. Tanaka, M. Watanabe and K. Suzuki
Japan Society for Culture Collections, Japan

P-18 NIES-collection: Microbial Culture Collection at National Institute for Environmental Studies, Japan
Fumie Kasai, Masanobu Kawachi, Mayumi Erata, Fumi Mori and Kosei Yumoto, Mayumi Sato, Miwa Ishimoto and Takuro Nakayama
National Institute for Environmental Studies, Japan

P-19 AOAC: Network of Asia Oceania Algal Culture Collections
Fumie Kasai[1], Susan Blackburn[2], Ian Jameson[2], Masanobu Kawachi[1] and Makoto M. Watanabe[3]
[1]National Institute for Environmental Studies, Japan, [2]Australian National Algae Culture Collection, CSRIO, Australia, [3]Graduate School of Life and Environmental Sciences University of Tsukuba, Japan

P-20 Activity of RIKEN BioResource Center
Masako Takashima, Kwang-Deuk An, Toshiya Iida, Takao Iino, Takashi Itoh, Tsutomu Oowada, Gen Okada, Yumi Oshida, Maki Kitahara, Kayo Kusaoke, Takuji Kudo, Yoshimasa Kosako, Mitsuo Sakamoto, Motofumi Suzuki, Koji Suzu, Satoko Tsuzuki and Moriya Ohkuma
RIKEN BioResource Center, Japan

P-21 Distribution of Asian *Trichoderma* species
Yasuhisa Tsurumi[1], Shigeki Inaba[1], Rieko Suzuki[1], Tomoaki Kamijo[1], Yantyati Widyastuti[2], Duong Van Hop[3], Nyunt Phay[4], Tsetseg Balijinova[5], Nampiah Sukarno[6], Akira Nakagiri[1], Ken-ichiro Suzuki[1] and Katsuhiko Ando[1]
[1]National Institute of Technology and Evaluation (NITE), Japan, [2]Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI), Indonesia, [3]Institute of Microbiology and Biotechnology, Vietnam National University, Hanoi (VNUH), Vietnam, [4]Biotechnology Development Center, Pathein University (PU), Myanmar, [5]Institute of Biology, Mongolian Academy of Science (MAS), Mongolia, [6]Biology Department, Bogor Agricultural University (IPB), Indonesia

P-22 NITE's Experience of Access and Benefit-Sharing
Shun Shioya and Katsuhiko Ando
NITE Biotechnology Development Center (NBDC), Japan

P-23 NBRC Microbial Culture Collection 2009
H. Fukawa, Y. Nakagawa, M. Kikugawa, K. Sagisaka and K. Suzuki
NITE Biological Resource Center (NBRC), Japan

P-24 Preservation and Distribution of DNA Resources at NBRC
Katsutoshi Fujita, Junya Seita, Hiromi Kajiya, Takeshi Harada, Hitoe Fukawa, Kazumi Sagisaka and Ken-ichiro Suzuki
NITE Biological Resource Center (NBRC), Japan

P-25 Quality control and reidentification of NBRC filamentous fungal collection based on molecular data
S. Ban, I. Okane, K. Yamaguchi, A. Nakagiri, S. Mayuzumi, N. Utsumi, F. Yokoyama, T. Tanaka, K. Toyama, Y. Tabuchi, M. Genra, K. Shimamura, K. Ando and K. Suzuki
NITE Biological Resource Center (NBRC), Japan

October 15th, 2010 [NITE Meeting room]

ACM annual meeting (CLOSED)

9:10 - 9:20
Adoption of 6th ACM Minute of Meeting (Vietnam)
Le minh Sat, *Ministry of Science and Technology, Vietnam*

9:20 – 10:30 Country reports (1)
- Cambodia
- China
- India
- Indonesia
- Korea
- Lao PRD

10:30 – 11:50 Country reports (2)
- Malaysia
- Mongolia
- Pakistan
- Philippines
- Thailand
- Vietnam
- Japan

12:00 – 13:30 Lunch time

13:30 – 14:30 Report on Task Forces
- Biological Information Management (BIM)
  K. Suzuki and J. Ma, Chairs, ACM-BIM Task Force

- Human Resource Development (HRD)
  Rosario G. Monsalud, Chair, ACM-HRD Task Force

- Management of Material Transfer (MMT)
  Tanit Changthavorn, Chair,. ACM-MMT Task Force

14:30 – 15:30
-General Discussion
-Conclusion
Announcement of 8th ACM meeting
-Closing remarks of ACM 7th meeting

15:30 – 15:50 Coffee break

15:50 – 16:50 NBRC Tour