

The 17th Meeting of the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM)

September 9, 2020 | Online-meeting

**DIGITAL TRANSFORMATION:
Roles for Biological Resource Centers under COVID-19 pandemic**



Time	Program
13:00-13:05	Opening Remarks by Prof. TATSUMI Takashi (NITE)
13:05-14:20	Plenary Seminar (chaired by Dr. KATO Shinichiro (NITE)) “DIGITAL TRANSFORMATION: Roles for Biological Resource Centers under COVID-19 pandemic”
14:30-16:50	ACM17 meeting Session 1: General Assembly Session 2: Member Report Session 3: Taskforce Report
16:50-16:55	Closing Remarks by Dr. OHKUMA Moriya (JCM)

Plenary Seminar

DIGITAL TRANSFORMATION: Roles for Biological Resource Centers under COVID-19 pandemic





"Bioeconomy" is a concept that enables sustainable development through technological innovation brought about by the fusion and cooperation of life sciences and data sciences. It is estimated that the industry scale will grow to 2.7% of total GDP in 2030. Japan has formulated Bio-Strategy 2019 to realize this bio-economy society, in which digital transformation of the bio industry by the data infrastructure development has become crucial. In such a trend, a pandemic of COVID-19 suddenly occurred, and as a result, the need for a bio-economy society was recognized again and the movement toward its realization is accelerating.

In the daily life of ACM members, while the work in the laboratory is minimized, the time to work on the Internet at home is increasing. On the other hand, the Internet environment has improved compared to the past, and it is now an era where it is possible to easily use the INSDC database such as DDBJ that can be used free of charge at home, and to use free tools on the Internet. This will surely increase the field where the information obtained in the laboratory can be handled in silico at home. In addition, it is considered that human resource development will shift from face-to-face to those without borders, connecting remote areas using the Internet.

As described above, digital transformation brings various advantages. The forum of the Convention on Biological Diversity is aware of the importance of DSI on genetic resources.

Based on these circumstances and the current situation, and with a view to the age of post-coronavirus, we would like to discuss the reform of the bioresource center that utilizes digital information, that is, the digital transformation of the bioresource center, and information sharing and future ACM activities.

Guest speakers

	<p>13:05-13:20 Managing Culture Collections in COVID-19 Era: The catalyst role of the WFCC. Prof. Ipek KURTBOKE (World Federation for Culture Collections)</p>		<p>13:20-13:35 Bioeconomy strategy of Japan Mr. SUWABE Kazuyuki (Ministry of Economy, Trade and Industry, JAPAN)</p>
	<p>13:35-13:50 MicrobeDB.jp: integration of microbial data from microbiome point of view Dr. MORI Hiroshi (National Institute of Genetics)</p>		<p>13:50-14:05 Data and Biological Resource Platform (DBRP) Mr. KUBO Hiroyuki (National Institute of Technology and Evaluation)</p>

ACM17 meeting

Session 1: General Assembly

14:30-15:00

1. Adoption of 16th ACM Minutes (5 min.)
2. Adoption of New Members (15 min.)
3. AOB (5 min.)
4. Announcement of ACM18 (5 min.)

Intermission (5 min.)

Session 2: Member Report

15:05-15:55
(5 min. each)

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| 1. IMCAS, China | 6. MTCC, India |
| 2. JCM, Japan | 7. NBRC, Japan |
| 3. KACC, Korea | 8. NIES, Japan |
| 4. KCTC, Korea | 9. TBRC, Thailand |
| 5. LIPI, Indonesia | 10. TISTR, Thailand |

15:55-16:10

Discussion

Intermission (5 min.)

Session 3: Taskforce Report

16:15-16:35
(5 min. each)

1. Asian BRC Network (ABRCN)
2. Human Resource Development (HRD)
3. Management of Material Transfer (MMT)
4. BRC Standardization (BRCS)

16:35-16:50

Discussion