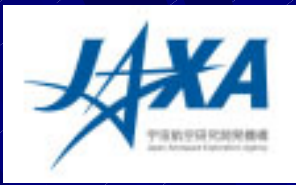




**International
Space Station**



APRSAF-12

the 12th Session of the Asia Pacific Regional Space Agency Forum
Oct.11-13,2005 @Kitakyusyu,Japan

Summary of International Space Station Working Group (ISS-WG)

Chaired by

Tetsuo Tanaka

Space Environment Utilization Center,
JAXA

ISS-WG Activities

- Attended by 18 participants from 9 organizations of 7 member countries.
- JAXA expressed the wishes:
 - to invite Asia Pacific countries to use JEM “Kibo” to educate Asian youths.
 - to consider offering the opportunities to use JEM “Kibo” in a joint research with Japan to broaden the access of research using space environment in Asia Pacific.
- All participants made constructive remarks and proposals.

Presentations (1/2)

- 9 presentations from 5 countries
 1. “ISS Program Current Status and Plans” by Dr. Alexander I. Medvedchikov, RFSA, Russia
 2. 3 presentations from JAXA, Japan
 - “ISS/JEM program Status and Prospect of JEM Utilization” by Mr. Tetsuo Tanaka
 - “Scientific Activities onboard the ISS”, by Dr. Muneo Takaoki
 - “JAXA Education Program related with Space Shuttle and ISS”, by Mr. Fumiaki Tanigaki
 3. “Some Ideas for LAPAN’s Participation in utilizing JEM”, by Thomas Djamaluddin, LAPAN, Indonesia
 4. “Microgravity effect on the growth, actinorhodin production and gene expression levels of the *Streptomyces coelicolor*” by Dr. Sawat Tantiphanwadi, NSTDA, Thailand



Presentations (2/2)

5. “ISS/JEM for Inter-disciplinary research” by Dr. Nguyen Dinh Duong, Vietnamese Academy of Science and Technology Institute of Geography, Vietnam
 6. “The Opportunity of Basic and Applied Research & Development in Indonesia Using the Space Laboratory”, by Dr. Yuliana Susilowati Leksono, LIPI, Indonesia
 7. “Gases Solubilities in Non-G conditions & Consequences, by Prof. Cao The Ha, Hanoi University of Science, Vietnam
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- Mr. Mohd Zamri Shah, National Space Agency of Malaysia, Malaysia and Mr. Jeong-Won Lee, Korea Aerospace Research Institute, Korea, participated in the discussion and had interest in utilizing ISS/JEM among Asian-Pacific countries.



Common Understandings

- Participants are strongly interested in, and welcome to pursuit the potential cooperation among Asia Pacific countries in utilization ISS/JEM.
 - Indonesia, Thailand, Vietnam, Malaysia, Korea, Russia, and Japan
- RFSA also remarked that Russia is open to cooperate with Asia Pacific countries in the field of science in the ISS program.
- Continuous Information Exchange among Asia Pacific countries is essential to realizing the fruitful cooperation using ISS/ JEM.



Recommendations from the WG

- To encourage further coordination to realize the international cooperation using ISS/JEM among the Asia Pacific countries.

- To start coordination among Asia Pacific countries to promote educational events such as:
 - Asian Student Parabolic Flight Competition
 - Asian Student Ecosphere Competition

Action Items

- To Establish Point of Contact for further coordination.
 - JEM Utilization for Education
 - JEM Utilization for Science and Technology
 - Need to establish Agency to Agency Frameworks in the future.
- Following Action items will be followed until the Next APRSAF.
 - Each Country, including Japan, is to provide the project ideas for JEM utilization.
 - JAXA will coordinate to send the delegation for further coordination with Countries who will make concrete proposals.
 - JAXA will coordinate to hold the interim meeting to establish the framework at Agency level.