APRSAF-22
Summary Report
Kibo-ABC

Asian Beneficial Collaboration through Kibo-Utilization
1 : Overview of Kibo-ABC activities

2 : Country reports from members
   # Indonesia
   # Malaysia
   # Vietnam

3 : Next SSAF Mission, Asian Herb in Space (AHiS)

4 : Workshop on Next Asian Try Zero-G proposals selection

5 : Next Activity

6 : Summary
Participation

- Initiative Kibo-ABC workshop on November 30th, 2015
- Attended by 47 participants from 9 countries
  - Indonesia, 36
    - LAPAN: 33, ITB: 2, Surya University: 1
  - Japan
    - J AXA: 6, AES: 3, J SF: 3
  - Malaysia, ANGKASA
  - Philippines, DOST
  - Thailand, GISTDA
  - UK
  - USA, NASA
  - Singapore, SSTA
  - Vietnam, STI/ VAST
1: Overview of Kibo-ABC activities

- Started its activity in 2012 by developing introductory program under SEU-WG platform of APRSAF
- Kibo-ABC objectives:
  - To expedite creation of cooperation projects among Asia-Pacific countries on Kibo utilization
  - To share recognition of the significance and values of the ISS/Kibo among Asian countries
1: Overview of Kibo-ABC activities

Missions

• Outreach activities on Kibo utilization toward Asian people including researchers
• Capacity building of experiments to be performed by Asian space agencies for Kibo utilization
• Active discussion and consideration in order to create concrete cooperation on Kibo utilization

Visions

• Kibo-ABC initiative will operate Kibo utilization programs which continue to expand throughout Asia-Pacific Countries
• Kibo-ABC members organization will develop capability to prepare their own full scale missions for science research or technology development in Kibo
Indonesia/LAPAN

“Clinostat Experiment - The Scientific Writing Competition For Student”

- A Competition was held using “Clinostat”, an experimental device that simulates microgravity environments.
- 28 proposals received
- Examples of the experiments

Preannouncement for next Asian Try Zero-G 2016
2: Country reports from members

Malaysia / ANGKASA

“Malaysia Kibo Activity 2015”
- Asian Try Zero-G 2015
- Ground experiment of Asian Herbs in Space (AHiS)
- Microgravity and Parabolic Flight Talk/Exhibition
2 : Country reports from members

Vietnam / STII

“Next plan for new SSAF and Try Zero - G in Vietnam, 2016”

- Space Seed Experiment and Parabolic Flight Experiment in Vietnam
- Plan for future
3 : Asian Herb in Space (AHiS)

Technical progress:
- Comparing with SSAF2013
- Status of ground experiment for flight sample selection
- Introduction of AHiS flight Kit at Kibo
- Technical demonstration
- Proposal of each countries’ plan for AHiS
- Technical feasibility confirmed
4 : Workshop for Next Asian Try Zero-G proposals selection

- Introduction of the new selection criteria and category for proposals of Asian Try Zero-G
  - Each countries are willing to participate in the selection process.
  - Selection points were explained by the Kibo operation team
  - New criteria for Asian Try Zero-G 2016 was introduced.
  - All countries selected proposals should be submitted to JAXA by the end of February 2016.
Action Items for AHiS

- Distribute the application format and manual for AHiS participation to member countries. (ANGKASA and JAXA, by 28 Feb, 2016)

- Application should be submitted by 30 Apr, 2016.

- Provide technical information of the experiment conditions and set up, or to consider providing experiment kit to equalize the experiment condition to be implemented in each countries.

- Member countries are invited to create AHiS mission logo by March 2016. It should be discussed in Kibo-ABC monthly web-meeting.
5 : Next Activity

Action Items for Asian Try Zero-G

• Finalize the evaluation guidelines and criteria description. (JAXA; by Dec 25, 2015)

• Provide earlier official announcement from JAXA for the proposal of Asian Try Zero-G.

• Each member countries will create a short list of proposal selected based on the feasibility and safety before sending them to JAXA.
6 : Kibo-ABC

Summary

- Results and demonstration videos of Asian Try Zero-G 2015 were presented.
- New selection criteria and category for Asian Try Zero-G were discussed and introduced.
- To be used for proposal selection that to be conducted in 2016.
6 : Kibo-ABC
Summary

• Recognized that the feasibility study of AHIs (Asian Herb in Space) had entered into the final phase, by Malasian (ANGKASA) and Japanese (JAXA) progress report of preliminary ground control experiments, and the mission schedule was confirmed.
Recognized that each member country will start to consider their own plan on Kibo utilization in line with the roadmaps proposed by ANGKASA, LAPAN and JAXA.
Thank you for your attention!