



summary report

Kibo-ABC Workshop



SESSION CO-CHAIRS:

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Participants of Kibo-ABC WS

35 participants from **14** countries, **20** organizations

Country	Participants	Organization
Austria	2	UNOOSA
China	1	Beijing University
Indonesia	6	LAPAN, Surya University
Japan	10	JAXA, AIT, AES, JAMSS
Korea	1	Satrec Initiative
Malaysia	1	National Planetarium
Nepal	1	Orion Space
Peru	1	Space Generation Advisory Council (SGAC)
Philippines	3	DOST
Singapore	2	SSTA
Thailand	4	GISTDA, NSTDA, King Mongkut's University of Technology Thonburi (KMUTT)
Turkey	1	Ministry of Transport and Infrastructure
USA	1	NASA
Vietnam	1	VAST/STI
Total	35	10

Kibo-ABC Programs

① Asian Try Zero-G 2018

- Japanese astronaut Kanai conducted simple physics experiments proposed by Asian youth.
 - 12 Proposals were selected
 - 8 experiments were conducted
 - 169 proposals from 361 Students/Young researchers



② Asian Herb in Space (AHIS)

- This program is a plant growth experiment for human resource development and capacity building for Kibo utilization.



Kibo-ABC Programs

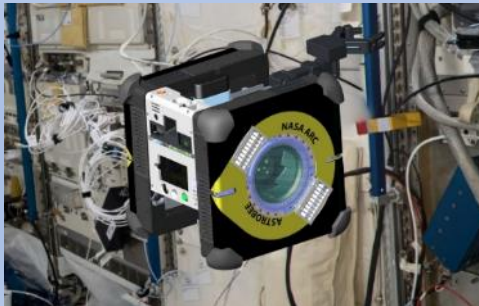
③ Parabolic Flight Experiment

- Simple experiments under microgravity can be conducted on airplane



④ Robot Competition onboard Kibo

- The first competition will be held in 2020.



Astrobee



Int-Ball

New project !

Summary and Next steps

① Asian Try Zero-G 2018

- **Accomplishment** was reported from participating countries and **Lessons Learned** was discussed for the next project.
- Achievement of Asian Try Zero-G 2018
 1. **The number of applicants were tripled** from the previous Asian Try Zero-G.
 2. **Awarding ceremonies were given by ministers and other VIPs** in many countries.
 3. Japanese students were newly joined to the project and **international exchange on capacity building** was promoted.
 4. The member agencies learned the process of space experiment through **the preparation of launch items and procedures.**

Summary and Next steps

② Asian Herb in Space (AHiS)

- The result of the ground experiment was reported.
- We recognized the importance of this project. And it is recommended that the agencies plan their own missions in this project.
- Discussion of the planning should be continued via Monthly Web Meeting.

③ Parabolic Flight Experiment

- Many agencies are interested in resuming the parabolic flight experiment project.
- Fee-based approach is proposed and commercial sponsorship is encouraged.

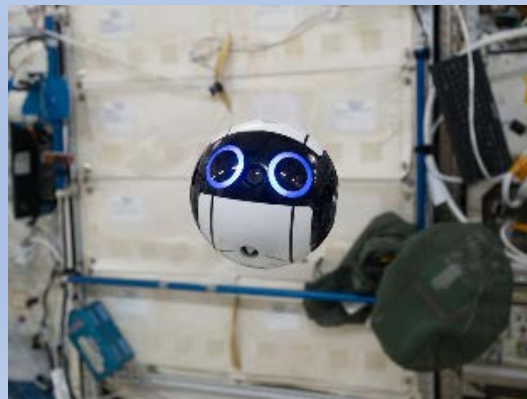
Summary and Next steps

④ Robot Competition onboard Kibo

- **JAXA** and **NASA** will present a Robot Competition Tournament on-board the ISS/Kibo under the Japan-US Open Platform Partnership Program (**JP-US OP3**).
- NASA's **Astrobee** and JAXA's **Int-Ball** will be used.
- Asian students of Kibo-ABC member countries are encouraged to join.
- The first competition to be held in 2020.



Astrobee



Int-Ball

Asian Try Zero-G 2018

Video



25TH APRSAF

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SPACE AGENCY FORUM
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Thank you !