Space Education Working Group Report

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SEWG’s Major Activities in 2018

• Water Rocket Event
• Poster Contest
• Space Education Seminar

Overall Participation:

Water Rocket Event: 99 participants (12 countries)
SEWG Ann. Session: 30 participants
Education Seminar: 80 participants (2 countries)
14th APRSAF Water Rocket Event and Educators Workshop

2\textsuperscript{th} November – 4\textsuperscript{th} November, 2018

Temasek Junior College and Bedok South Secondary School, Singapore
WRE Participants

58 students, 22 educators, and 19 observers from 12 countries

Bangladesh, Cambodia, China, India, Indonesia, Japan, Malaysia, Nepal, Singapore, Sri Lanka, Thailand and Vietnam
WRE Program

- Country Presentation by students
- Educator Workshop
- Water Rocket Making & Launching Competition
- Cultural Immersion and Exchange
APRSAF-25 Water Rocket Competition

- Students between the ages of 12 and 16 years
- 1st, 2nd, and 3rd place winners were selected based on the shortest distance from the target located 60m away in two trials.
- Best Combined award was selected based on the combined total distance of two trials.
- Most Reliable Rocket award was selected based on the number of continuous landing within “gold band”
Rules of APRSAF-25 Water Rocket Competition

Rocket collection Zone

30m

Target A

Target B

Rocket collection Zone

60m

60m

Not drawn to scale

1 2 3 4
5 6 7 8
Launch Competition

Water Rocket Making
Educators’ Workshop
1st Place

Mr. C.M. Ayodya Karawita Chandrasekara
Sri Lanka

Score: 0.46 m
2nd Place
Ms. Yiting Feng
China
Score: 1.06 m
3rd Place
Mr. Adam Darwisy Shahrol Azman
Malaysia
Score: 1.67 m
Best Combined Score

Mr. C.M. Ayodya Karawita Chandrasekara
Sri Lanka

Score: 1.47m (0.46m + 1.01m)
Most Reliable Rocket
Ms. Yiting Feng
China
Result: 4 consecutive Gold
13th Poster Contest

• Poster Contest for children between 8 and 11 years old with the theme

“My Home in Space”

34 posters from 12 countries:

Bangladesh, China, Indonesia, Japan, Kazakhstan, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, Turkey, and Vietnam

186 votes were cast to select the best poster and two special awards.
Best Poster Award

Mr. Rui Xu (China)
Special Poster Award

Miss Syafinatun Naja (Indonesia)
Special Poster Award

Mr. Tanabudee Phalamit (Thailand)
JAXA Award

Mr. Shunto Hiwatari (Japan)
Annual Session of the SEWG

• General exchange of views on space education – presented by 7 countries*

• Innovative Space Education Programs - 4 presenters from Japan, Indonesia and Philippines

• Sharing of teaching and educational materials

• Other Space Education Activities – presented by 6 agencies and organizations

* Indonesia, Japan, Republic of Korea, Malaysia, Philippines, Singapore, and Thailand
Recommendations

1. To further promote educational activities, using space as a method that will be beneficial for the human resource development of the next generation. In order to do so, to continuously provide opportunities, tools and information through seminars, hands-on events, websites, joint space education programs, and sharing best practices and methods throughout the region;

2. To continue to conduct the Water Rocket Event, Poster Contest and other self-initiated educational programs in Asia-Pacific countries, as means of generating young people’s interests in space and nurturing their creativity and innovative thoughts, and to encourage strategic partnerships with private industry and other organizations.

3. To strengthen, enhance and promote space education activities across all educational levels using conventional and innovative programs, and ensure continuous engagement of students in preparation for their space-related careers.
Thank you!