

Asia-Pacific Regional Space Agency Forum (APRSAF-24)
Space Education Working Group (14 - 15 November 2017, Bengaluru, India)

OVERALL AGENDA

1. Opening of the session
2. Adoption of the agenda
3. General exchange of views on space education (country update)
4. Joint educational activities for educators and young people
 - a. Water rocket activities
 - b. Poster contest
5. Panel session: The results (progress report) of the previous Space Education Seminars for Educators and future seminars
6. Sharing of teaching materials, with the aim of enriching space education
7. Other space education activities
8. Joint session with SAWG for human resource development
9. Wrap up

Day-wise Program Schedules

Co-Chairs:

A. Senthil Kumar, Indian Institute of Remote Sensing (ISRO), India;
Nozomu Sakuraba, Japan Aerospace Exploration Agency (JAXA), Japan

Date	Time	Agenda Item(s)	
<Day 1> 14 November, Tuesday	09:00 - 10:45	1. 2. 3.	Opening of the session <ul style="list-style-type: none"> <input type="checkbox"/> Welcome remarks by the Co-Chairs <input type="checkbox"/> Self-Introduction by each participant Adoption of the agenda General exchange of views on space education (15 min. max per presentation) <ul style="list-style-type: none"> <input type="checkbox"/> Celebration of World Space Week -2017 - Mr. F. R. Sarker (Bangladesh Astronomical Society, Bangladesh) <input type="checkbox"/> Space Education in India - Dr. Sarnam Singh (Dean (Academics), IIRS, India) <input type="checkbox"/> Country report: space education of Indonesia - Mr. Jasyanto (LAPAN, Indonesia) <input type="checkbox"/> Success Stories and promising practices in 2017 - Ms. Kaori Sasaki (JAXA, Japan) <input type="checkbox"/> 2017 KARI Education activities - Mr. Hoon Jung (KARI, Korea) <input type="checkbox"/> National Planetarium Space Education Programs in 2017 - Mr. Mohd Ridhuan Ismail (Ministry of Science, Technology and Innovation of Malaysia, Malaysia)
	10:45-11:15	Coffee break	
	11:15 - 13:00	3. 4. 4-a. 4-b	General exchange of views on space education (cont'd...) (15 min. max per presentation) <ul style="list-style-type: none"> <input type="checkbox"/> Space Education Awareness at the school Class Room in Nepal 2017 - Mr. Krishna Raj Adhikary (Nepal Scientific Activities and Research Center, Nepal) <input type="checkbox"/> Progress and Development in the Philippine Space Education Program - Dr. Rogel Mari Sese (DOST-SEI, Philippines) <input type="checkbox"/> Cansat Thailand Competition - Mr. Chanintorn Wannawichitra (NSM, Thailand) <input type="checkbox"/> Space education in Vietnam in 2017 - Prof. Doan Minh Chung (Vietnam Academy of Science and Technology, Vietnam) Joint educational activities for educators and young people Water rocket event <ul style="list-style-type: none"> <input type="checkbox"/> Briefing and results of APRSAF-24 Water Rocket Event by the Secretariat of the Working Group - Mr. B R Guruprasad (ISRO, India) <input type="checkbox"/> Discussion <ul style="list-style-type: none"> <input type="checkbox"/> Next APRSAF Water Rocket Event Poster contest <ul style="list-style-type: none"> <input type="checkbox"/> Briefing and preparation for the APRSAF Poster Contest by the Secretariat of the Working Group- Mr. B R Guruprasad (ISRO, India) <input type="checkbox"/> Discussion <ul style="list-style-type: none"> <input type="checkbox"/> Next poster Contest Theme <input type="checkbox"/> Possible development of a calendar for 2017

Date	Time	Agenda Item(s)	
<p><Day 1> 14 November, Tuesday</p>	13:00 - 14:15	Lunch	
	14:15- 15:45	5	<p>Panel session: The results (progress report) of the previous Space Education Seminars for Educators and future seminars</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ms. Kaori Sasaki (JAXA, Japan, moderator) <input type="checkbox"/> TBC: Representative (Malaysia, venue in 2015) <input type="checkbox"/> Dr. Rogel Mari Sese (Philippines, venue in 2016) <input type="checkbox"/> Mr. Chanintorn Wannawichitra (Thailand, venue in 2017) <input type="checkbox"/> Discussion for future seminars
	15:45 - 16:15	Coffee break	
	16:15 17:45	6	<p>Sharing of teaching materials, with the aim of enriching space education</p> <p>Sub-theme - Hands-on space education, texts, videos, Apps, etc.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mr. Hoon Jung (KARI, Korea) <input type="checkbox"/> Mr. Tatsumasa Kitahara (The Association of the Global Science Education, Japan) <input type="checkbox"/> Dr. Vinod Bothale (NRSC, ISRO, India)/Dr. Harish Karnatak (IIRS, ISRO, India)
Date	Time	Agenda Item(s)	
<p><Day 2> 15 November, Wednesday</p>	09:00- 10:45	7	<p>Other space education activities (15 min. max per presentation)</p> <p>Sub-theme - Primary education, Secondary education, Space Education for educators</p> <ul style="list-style-type: none"> <input type="checkbox"/> Focus on Space - Mr. Surya Gyawali (Nepal Astronomical Society, Nepal) <input type="checkbox"/> Innovative Astronomy education and outreach programmes in schools for STEM learning - Mr. Sachin Bahmba (Space India, India) <input type="checkbox"/> Space Education Initiatives and Collaborations to further UN Sustainable Development Goals - Mr. Ramasamy Venugopal (International Astronomical Union - Office of Astronomy for Development) <input type="checkbox"/> Community Development Activity Based on Space Education & Awareness Building in Indonesia in 2017 - Dr. Emanuel Sungging Mumpuni (LAPAN, Indonesia) <input type="checkbox"/> Training of Trainers: IIRS experience - Dr. S.K. Srivastav (IIRS, ISRO, India)
	10:45- 11:15	Coffee break	

Date	Time	Agenda Item(s)	
<p><Day 2> 15 November, Wednesday</p>	11:15-13:00	7	<p>Other space education activities (cont'd...) (15 min. max per presentation)</p> <p>Sub-theme - Primary education, Secondary education, Space Education for educators</p> <ul style="list-style-type: none"> <input type="checkbox"/> CANSAT development in Thailand - Mr. nattapon tatsanapimon (Learning center for Earth Science and Astronomy, Thailand) <input type="checkbox"/> LESASAT - Mr. Sasit Chuasomboon (Learning center for Earth Science and Astronomy, Thailand) <input type="checkbox"/> The ubiquitous education model for human resource development of the Mars generation using the robot teaching materials - Mr. Tatsumasa Kitahara (The Association of the Global Science Education, Japan) <input type="checkbox"/> Developing Space Law Education in India - Dr. Malay Adhikari (SRM University, India) <input type="checkbox"/> Indo-Bangla Astronomers Meet in Border Between Bangladesh And India - Mr. F. R. Sarker (Bangladesh Astronomical Society, Bangladesh) <input type="checkbox"/> Reaching the Unreached through Space Technology, Mr. PLN Raju (NESAC, Shillong, India)
	13:00 - 14:15	Lunch	
	14:15 - 15:00	9	Wrap up
	15:00 - 15:45	4 4-b	<p>Joint educational activities for educators and young people</p> <p>Poster contest</p> <ul style="list-style-type: none"> <input type="checkbox"/> Report by the Secretariat of the Working Group on the results of the selection of winners - Mr. B R Guruprasad (ISRO, India) <input type="checkbox"/> Review and approval of the results <input type="checkbox"/> Award Ceremony
	15:45 - 16:15	Coffee break	
	16:15 - 17:25	8	<p>Joint session with SAWG for human resource development (15 min. max per presentation + 10 min. discussion)</p> <ul style="list-style-type: none"> <input type="checkbox"/> The Asia-Pacific Plan of Action for Space Applications (2018-2030) - Werner Rudolf Balogh (ESCAP) <input type="checkbox"/> Enabling Governance in Capacity Building through Space Technology - Dr. S.K. Srivastav (IIRS/ISRO, India)/SEWG <input type="checkbox"/> Space Education Program of the Tokyo University of Science: A trial for hands-on space education by using realistic materials - Prof. Shinichi Kimura (Tokyo University of Science)/SEWG <input type="checkbox"/> G-SPASE: Human Resource Development Program to Solve Social Problems with Space Systems - Realization of Global Learning and Growth - Mr. Akira Kodaka, Keio University, Japan <input type="checkbox"/> Discussion