



World Space
Week ASSOCIATION

World Space Week Association 2019

Annual Report



World Space Week 2019 Theme: The Moon: Gateway to the Stars

Published by World Space Week Association
 957 NASA Parkway, Suite 350
 Houston, TX 77058
 United States of America
www.worldspaceweek.org

© 2020 World Space Week Association. All rights reserved.



WORLD SPACE WEEK AT A GLANCE

- **Largest space event on Earth**
- **October 4-10 annually**
- **8,057 events reported in 96 countries during World Space Week 2019**
- **48% increase in number of events over previous year**
- **Held by over 4,000 space organizations, government agencies, schools, astronomy groups, and individuals**
- **Coordinated globally by World Space Week Association and by national coordinators in 73 countries**
- **First held in 2000 after declaration by UN General Assembly**

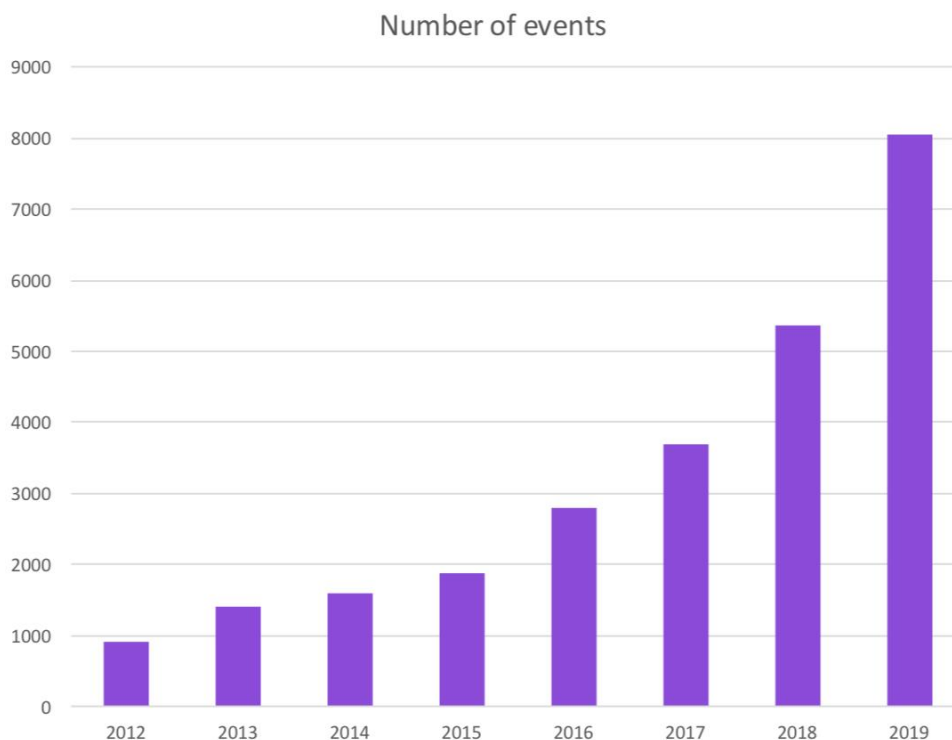


TABLE OF CONTENTS

WORLD SPACE WEEK AT A GLANCE	3
TABLE OF CONTENTS	4
FOREWORD	5
ABOUT US.....	8
WORLD SPACE WEEK ASSOCIATION ACHIEVEMENTS IN 2019	9
ORGANIZATIONAL STRUCTURE OF THE ASSOCIATION.....	12
WORLD SPACE WEEK INTRODUCTION.....	13
WORLD SPACE WEEK 2019 STATISTICS.....	16
WORLD SPACE WEEK 2019 GLOBAL HIGHLIGHTS	18
SPOTLIGHT: REPORT FROM PAKISTAN.....	20
SPOTLIGHT: 20 TH ANNIVERSARY OF WORLD SPACE WEEK	21
2019 THEME: "THE MOON: GATEWAY TO THE STARS"	23
2020 THEME: "SATELLITES IMPROVE LIFE"	25
WSWA LEADERSHIP, OFFICERS AND SUPPORTING TEAM.....	26
WORLD SPACE WEEK ASSOCIATION BOARD OF DIRECTORS	27
WORLD SPACE WEEK NATIONAL COORDINATORS	28
WORLD SPACE WEEK ASSOCIATION SPONSORS.....	30
WORLD SPACE WEEK ASSOCIATION PARTNERS	31



FOREWORD

In 2019 we celebrated the 20th anniversary of the start of the WSW, I am sure that that was a motivation for the National Coordinators and local organizers to make an additional effort to have more events. However, we cannot ignore that it was also the 50th. Anniversary of the historic journey of Apollo 11 to the Moon. This fact probably also contributed to the confluence of wills to increase the sites where WSW activities were held, which shows that the good streak of growth continues.

I am happy to share with you the 2019 figures that indicate that this has been another autumn of resounding success in promoting the celebration of World Space Week with 8,050 events in over 90 countries.

As we know, these numbers would not be possible without the selfless collaboration of the thousands of volunteers who, around the world, find time and resources to carry out activities in remote places on the planet. This celebration has become the biggest party in which the knowledge of the benefits that access to space has brought to humanity is shared, for which we feel very proud.

We still have to define how we can gain knowledge of the possible positive influence that the participation of girls, boys and young people in WSW activities could have in their lives. I invite social science professionals to approach and advise us what we must do to know this possible influence. I am sure that the information we have available, with the right treatment, could support undergraduate and graduate research work.

We are taking the most successful countries that have shown significant growth in events, as an example to share their criteria of success with all

of you, so that the increase in events will be due to internal work done in each country in addition to the occasional external factors that provide the big accomplishments of the space activities.



On behalf of the WSWA Board of Directors, I want to take this opportunity to thank each and every one of you who dedicated time and resources to the celebration of the WSW 2019, for their effort and at the same time congratulate you for another year of resounding success, and invite all of you to be aware of space developments in 2020, which is a year full of space exploration activities; the first of these, to learn more of the star that warms up the planet, with the Solar Orbiter that will be launched in February. There will also be important milestones for the return to the Moon. And, taking advantage of the proximity of Mars with the Earth, several robotic missions will be sent. Without going any further, the near space and low orbit will be full of missions such as space tourism, Earth observation, satellite flocks for space internet, and possibly the first commercial astronauts will be launched to the International Space Station. All these and more are happenings that will keep the interest of people in Space. For us this is an invaluable opportunity to make our WSW 2020 celebration, with your creativity and support, even greater.

Dr. Francisco Javier Mendieta

Director General, Mexican Space Agency (retired)
Chair, World Space Week Association



Dear Colleagues,



I am very pleased to welcome you to this Annual Report of the World Space Week Association (WSWA) Annual Report. 2019 marked two significant anniversaries. Firstly, it was the fiftieth anniversary of the human landing on the Moon and, secondly, it was the twentieth anniversary of the first UN-mandated World Space Week.

Unsurprisingly, then, the 2019 World Space Week theme selected by the WSWA was The Moon: Gateway to the Stars. Around the world, groups and individuals responded enthusiastically to this theme. Perhaps the most common type of event in WSW 2019 was Moon watching. In countries such as Argentina, Bangladesh, Bulgaria, Canada, China, Croatia, Cyprus, Estonia, Finland, Hong Kong, India, Iran and Lebanon, people observed the Moon, some with the naked eye, some with binoculars and many with telescopes. There were many other Moon-themed activities, though, for example, the Moon and interplanetary travel, the role of the Moon in human culture, possibilities for future lunar businesses and even a Moon-theme cooking party.

Overall, the global response was truly outstanding, and our thanks go out to all the space enthusiasts in the many participating countries for the events they organized, and for their energy and enthusiasm for space and about the Moon. In their work, they were supported by WSWA's network and especially the national coordinators in each country. Without them, WSWA would not and could not continue to have the impact that it does in its mission to raise awareness of the many benefits that space activities bring to all of us. Very many thanks to all concerned.

Prof. Chris Welch
Deputy Chair
World Space Week Association

Dear World Space Week Supporters,

2019, the 20th anniversary of World Space Week, was another record-breaking year with 8,000 events in 96 countries. This massive celebration of space, the biggest ever in history, focused on the Moon, first walked upon by humankind 50 years ago.

We see the beginning of a significant transition in the scale of World Space Week in several countries. In 2019, Saudi Arabia and Pakistan had thousands of events promoted by their



national governments: the Saudi Ministry of Education and Pakistan's SUPARCO. As we congratulate these nations for this great achievement, we encourage other nations to follow their example. By scaling up this event in schools and informal education venues, governments and schools can efficiently use World Space Week to inspire youth in STEM and build their workforce of tomorrow.

2020 will be a very exciting year, as we feature the vast benefits of satellites to humankind. I am thrilled that Steve Collar, CEO of SES, the world's biggest satellite operator, is World Space Week 2020 Honorary Chair. He is encouraging the satellite industry to support World Space Week Association and join this year's celebration. Indeed, satellites are changing our world in so many ways, such as in communications, navigation, and Earth observation. Cubesats have made satellites more affordable and the benefits more accessible.

We look forward to working with you in sharing the exciting benefits of satellites with students and the public during the next World Space Week.

Dennis Stone
President
World Space Week Association



Dear supporters and colleagues,



2019 was a special year for World Space Week Association; we celebrated the 20th Anniversary of World Space Week since it was declared by the United Nations General Assembly as

recommended by UNISPACE III in 1999. The success of the Association would not be possible without your support; we are immensely honored and grateful that you are accompanying us on our journey.

I am extremely happy to see so many young participants in our global events, especially the young women among the most active of all. We are proud to be inclusive of all nationalities, ages and genders, regardless of location, and we will continue to strive to give people a voice and showcase their achievements during World Space Week. It is with great pride that I can say that we, as Association, contribute to greater participation in space-related activities.

We give people a voice. For us it is crucial that we communicate with all participants of World Space Week that reach out to us. We want to hear from you, because only through communication can we best support participants and sufficiently report back to UN COPUOS and Member States. I firmly

believe that we can work closer together to fully reach our potential to make World Space Week an established event all around the world.

It is great to see that more countries are participating in the celebration of space. It is my hope for the years to come that countries will follow example of those who are leading in organization of World Space Week – not only with their incredible high numbers of events, but with their dedication to bringing space closer to people.

I am honored to be able to count on the support of our Board of Directors. Space leaders with incredible expertise are an added value to the Association and I appreciate the guidance and support we are shown. I am grateful that World Space Week Association remains supported by so many people and so many institutions.

I am beyond excited about the upcoming year and can say with confidence that it will be our greatest yet. I am honored that we will work together with SES and Mr. Steve Collar, our Honorary Chair for World Space Week 2020. I sincerely hope that you will join us and celebrate World Space Week 2020 under the theme “Satellites Improve Life.”

Maruška Strah
Executive Director
World Space Week Association



ABOUT US

World Space Week Association (WSWA) is an international non-government organization and a registered 501(c)(3) non-profit corporation in the United States. It is led by an esteemed Board of Directors comprised of volunteer global space leaders and dignitaries. Implementing the Association's programs are a volunteer executive team, small staff, and supporting volunteers.

The mission of WSWA is to strengthen the link between space and society through public education, participation, and dialogue on the future of space activities, using UN-declared World Space Week, October 4-10 annually, as a focus.

Supported by a global coordination network, WSWA works year-round to encourage the space and education sectors to hold events during WSW. The result is the largest network of space-supporting organizations on Earth which participate in this annual event. WSWA supports these coordinators and participants with services to help maximize the visibility and impact of World Space Week.



The Association works with educators, space industry, space agencies and other organizations to advocate Science, Technology, Engineering, and Mathematics (STEM) education by inspiring students through WSW. WSWA encourages use of WSW as a platform not only for STEM education but to involve the public in space programs and to encourage people around the world to express their passions for space.

One of the oldest space advocacy organizations in the world, WSWA has permanent observer status in the UN Committee on the Peaceful Uses of Outer Space (COPUOS), is a member of the International Astronautical Federation, and is supported by numerous global sponsors and global partner organizations

World Space Week Association:

- Supports the UN in the global coordination of World Space Week
- Expands World Space Week and its impacts on education and society
- Is volunteer-managed and funded through voluntary contributions
- Is a non-profit, non-government organization founded in 1981
- Takes no positions on space policy to ensure that WSW is open to all



WORLD SPACE WEEK ASSOCIATION ACHIEVEMENTS IN 2019

World Space Week Association expanded in 2019 to better support the biggest space event on Earth.



This past year, the Association:

- Appointed Mr. Steve Collar, SES CEO, as Honorary Chair for 2020 and launched a fundraising campaign with his support;
- Amended the Bylaws of the Association to improve governance;
- Launched an upgraded Global Calendar;
- Selected 22 new National Coordinators to support the celebration of World Space Week in their territories;
- Worked with leaders of many of the world's major space agencies;
- Expanded its global partnerships and renewed partnership commitments;
- Celebrated World Space Week's 20th Anniversary and, together with the Secure World Foundation, held a reception during 2019 UN COPUOS.

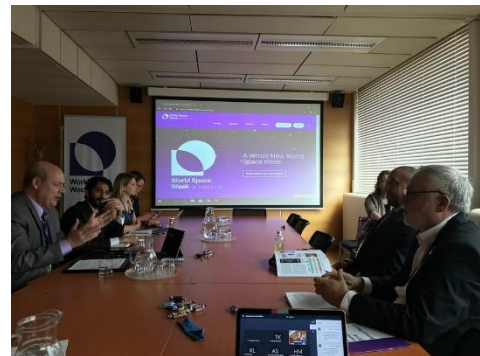
This was in addition to producing key products throughout the year such as the poster, theme, annual report, newsletters, media releases, and other communications to key stakeholders.

WSWA is grateful for the support of its distinguished Board of Directors. Two Board meetings were held in 2019

- In Vienna, Austria on 15 February during the Scientific and Technical Subcommittee of COPUOS.
- In Washington, D.C. United States of America, on 24 October during the International Astronautical Congress (IAC).

Board meeting agendas, presentation materials, and

minutes are publically available here: <http://www.worldspaceweek.org/organization/meetings/>.



In order to encourage participation in World Space Week, representatives of WSWA attended numerous events to give presentations, distribute annual reports and posters, and meet with space organization leaders. Events supported in 2019 included UN COPUOS and its Subcommittees and the UN/Austria World Space Forum in Vienna, Austria; the IAC and



Space Generation Congress in Washington, D.C., USA; UN/China Forum on Space Solutions in Changsha, China; 6th International Conference on Aerospace Science & Engineering in Islamabad, Pakistan; Copernicus Hackathon in Barcelona, Spain; and 12th Anniversary Congress of the Nepal Astronomical Society in Kathmandu, Nepal.

As with previous years, World Space Week organizers encouraged teachers to use space to inspire students around the world during October 4-10:

- The **Ministry of Education of the Kingdom of Saudi Arabia** expanded its World Space Week participation to over 4,000 schools in a massive nation-wide effort
- **SUPARCO** reached a record number of classrooms across Pakistan (see later article)
- **NASA** promoted participation via the NASA EXPRESS newsletter, sent to 40,000 subscribers through the NASA Office of STEM Engagement's social media tools. Message was shared with 140,000 @NASASTEM Twitter followers, 77,000 NASA STEM for Students Facebook followers, and 190,000 NASA STEM Pinterest followers. Through the use of STEM Engagement social media, content from the EXPRESS was viewed by about 450,000 educators.
- German Space Agency **DLR's** Education/Outreach Coordinator inspired numerous school class visits via their DLR_School_Labs and DLR_Space_Show.
- Teacher outreach was also conducted by the **European Schoolnet** project **Scientix news**, digest and social media.



WSWA values its partnerships with other global organisations who share our goals. This year, we formed new partnerships with IAU100, Thor Group (SpaceWatch.Global) and MOVA. In addition, we renewed our partnership agreements with SGAC and the International Observe the Moon Night.

WSWA enabled Moon Village Association to use the WSW platform to efficiently collect public input about lunar exploration. The Association further partnered with The Planetary Society, Celestron, Yuri's Night, and MOVA for the #WhatSpaceMeans challenge on social media.

World Space Week Association is committed to supporting the United Nations' Sustainable Development Goals, especially SDG 4 Quality Education, SDG 8 Decent Work and Economic Growth, SDG 9 Industry, Innovation and Infrastructure and SDG 17 Partnerships



for the Goals. We continually strive to show how WSW events further these important goals. In 2019, we restarted our Podcast programme. This is a series of podcasts to engage the public with the latest developments in space exploration. We do this by getting space thought leaders to inspire our listeners and show that everyone can participate in space activities during World Space Week. We produced 3 podcasts in 2019, interviewing Dr. Robert Jedicke, an astronomer who specialises in Solar System bodies; Dr Seth Shostak, former director of the SETI institute, and our own Executive Director Maruška Strah. The podcasts are uploaded on the Soundcloud and we aim to use other platforms as well.

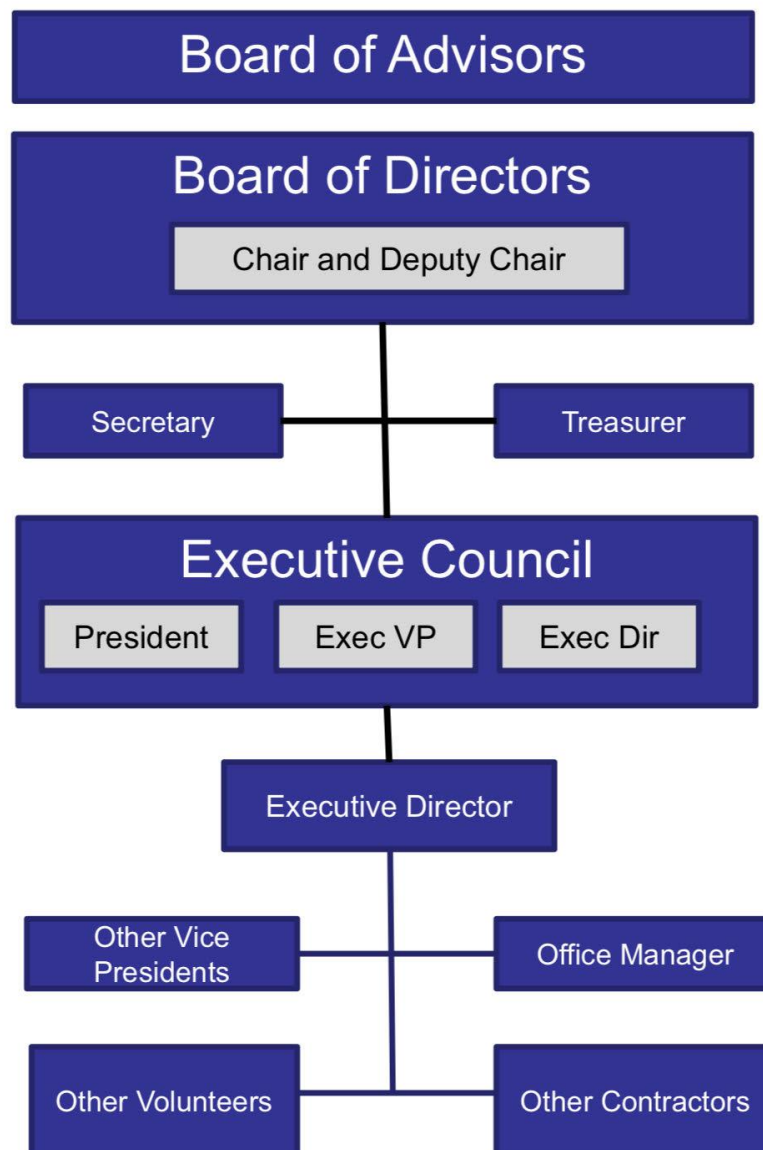
A major focus of WSWA is social media to encourage people to share their own space stories during World Space Week, to increase interest in space, to encourage people to hold events during World Space Week, and to show a clearer picture of what WSWA does. During World Space Week 2019, we counted 14 million impressions on Twitter. It was evident that many were engaging and sharing WSW events with our official hashtags #wsw2019 and #worldspaceweek. We will focus in 2020 to build our followings, currently 16,000 on Twitter and 12,000 on Facebook, across major social media platforms.



ORGANIZATIONAL STRUCTURE OF THE ASSOCIATION

World Space Week Association is led by a volunteer Board of Directors. The officers of the Association, elected by the Board, include a President, several Vice Presidents, Secretary, and Treasurer. All serve as volunteers. The Executive Director serves as the chief operating officer of the Association. The President, Executive Vice President, and Executive Director make up the Executive Council.

In 2019, World Space Week Association started the process of restructuring its Board into Boards of Advisors and Directors, which will be completed in 2020.



WORLD SPACE WEEK INTRODUCTION

What is World Space Week?

- Largest annual space event on Earth, with over 8,000 events in 96 countries in 2019
- Growing rapidly in size and impact
- Synchronized space education and outreach events organized by companies, space agencies, schools, planetaria and museums, astronomy, space, and other clubs and societies, and individuals



When is World Space Week?

- World Space Week is October 4-10 annually
- It was declared by the United Nations General Assembly in 1999

What are the benefits of World Space Week?

Synchronization of events provides leverage in space education and outreach in order to:



- Build the workforce of tomorrow by inspiring students;
- Educate the public about the benefits of space;
- Promote organizations which are involved in space;
- Visibly demonstrate public support for space activities.



How to become involved?

- As a **donor**. We are always looking for organizations and individuals willing to support our cause. Please visit <http://www.worldspaceweek.org/donors/become-donor/>
- As a **partner**. We are looking for global organizations which share our vision and goals. See <http://www.worldspaceweek.org/partners/partner-us/>
- As a **global volunteer**. We are always looking for individuals with specific skills, willing to devote some of their valuable time to World Space Week. See <http://www.worldspaceweek.org/working-with-us/vacancies/>
- As a **national coordinator**. We are present in about half of the world's countries, but not in all of them yet. We also seek local coordinators to promote World Space Week in your region or city. See <http://www.worldspaceweek.org/working-with-us/coordinator-duties/>
- As an **event organizer**. We seek event organizers. To get involved and if you need further information or help, get in touch with your Local or National Coordinator. See <http://www.worldspaceweek.org/events/how-to/>

How to organize an event?

There are no limits to what can be done to celebrate space or use space to inspire education during WSW. Audiences can be the public, students, employees, or other targeted communities. Participating organizations get leverage by being part of the largest space event in the world. On the World Space Week website there are many examples of what can be done and has been done in the past. More ideas are available here: <http://www.worldspaceweek.org/events/event-ideas/>

The main criteria for a World Space Week event:

- It must be space related;
- It must begin or end during World Space Week October 4-10;
- It must be entered in the calendar at www.worldspaceweek.org;
- One audience counts as one event. For example, a school doing activities on five days counts as one event.



See all criteria and guidelines here: <http://www.worldspaceweek.org/guidelines-on-wswa-events-policy/>



Event Calendar

The main way for World Space Week Association to coordinate the global celebration of WSW is via an online calendar. Event holders are responsible for entering their event(s) on the calendar. This calendar also credits participants and provides global transparency to the biggest space celebration on Earth. The WSWA team keeps track of the recorded events by maintaining the calendar and making sure the events adhere to the guidelines for event organization.

In order to achieve the highest accuracy of events and the highest level of visibility for event organizers, entering events details into the calendar before the start of World Space Week is highly recommended. By doing so, event organizers obtain significantly more reach among the public, and the event itself will have more impact.



In 2019, we upgraded the calendar, which included new features. Each person who enters events now first establishes an account. They then sign in to create or modify their events. Other new features include:

- Date checking (events must start or end the first half of October);
- Duplicate location checking;
- Improved event browsing.

The calendar and web site are a significant service to WSW participants, and WSWA expends significant effort to make the website useful and informative. We will continue to make improvements in 2020.



WORLD SPACE WEEK 2019 STATISTICS

During World Space Week 2019, a total of 8,057 events in 96 countries were reported by thousands of organizers. The list of countries with the most reported events in 2019 was led by the Kingdom of Saudi Arabia which reported record 4,045 events. Events in Saudi Arabia are strongly supported by the Ministry of Education, proving the value of World Space Week in schools, especially with support by national institutions.



Pakistan, Ireland and Mexico significantly increased their number of reported events in comparison with 2018.



A significant number of events were held in

Iran, a newcomer on the list of ten countries with the most events.

WSWA maintains strict guidelines for event recognition in order to maintain transparency and credibility of the overall WSW celebration for all event organizers. Consequently, we removed almost 500 events that were not compliant with the

RANK	COUNTRY	NUMBER OF EVENTS IN 2019
1	Saudi Arabia	4,045
2	Pakistan	1,459
3	Ireland	437
4	Iran	372
5	Mexico	287
6	France	228
7	India	213
8	Spain	114
9	Romania	108
10	Brazil	105

guidelines or were duplicated in the calendar.

We note that underreporting of events still presents a challenge for the future work of the Association and we are preparing new tools with which we can further improve data collection. In order to achieve these goals, we have updated our list of National Coordinators and we are working closely with them to capture the most realistic number of events.

There are no countries from the African Region on the top ten list for 2019, showing



the need for improvement in this region and further stresses the importance of sufficient reporting of events held during World Space



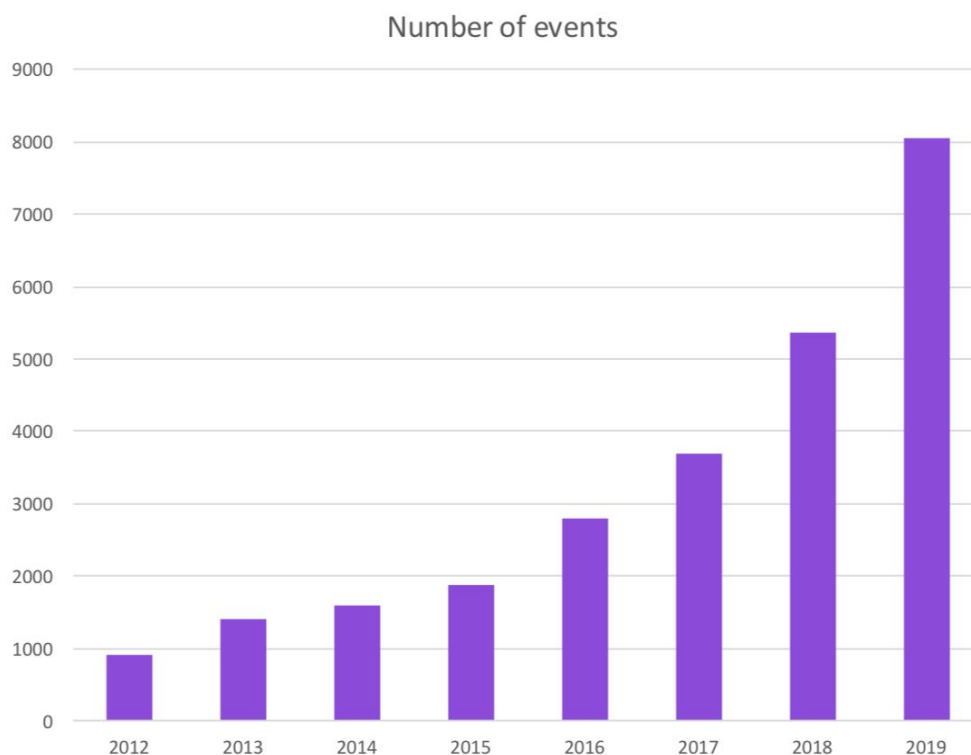
Week. We have indications that several events took place all around the region, but remained unreported.

Many countries reported an increase in the number of events, for which we congratulate them. We do, however, note that World Space Week achieved a new level of participation in

two countries resulting from Government action: the Ministry of Education of the Kingdom of Saudi Arabia and SUPARCO in Pakistan. The initiative of these two governments to use World Space Week to inspire students on a massive, nationwide scale serves as an example for all nations in the world.

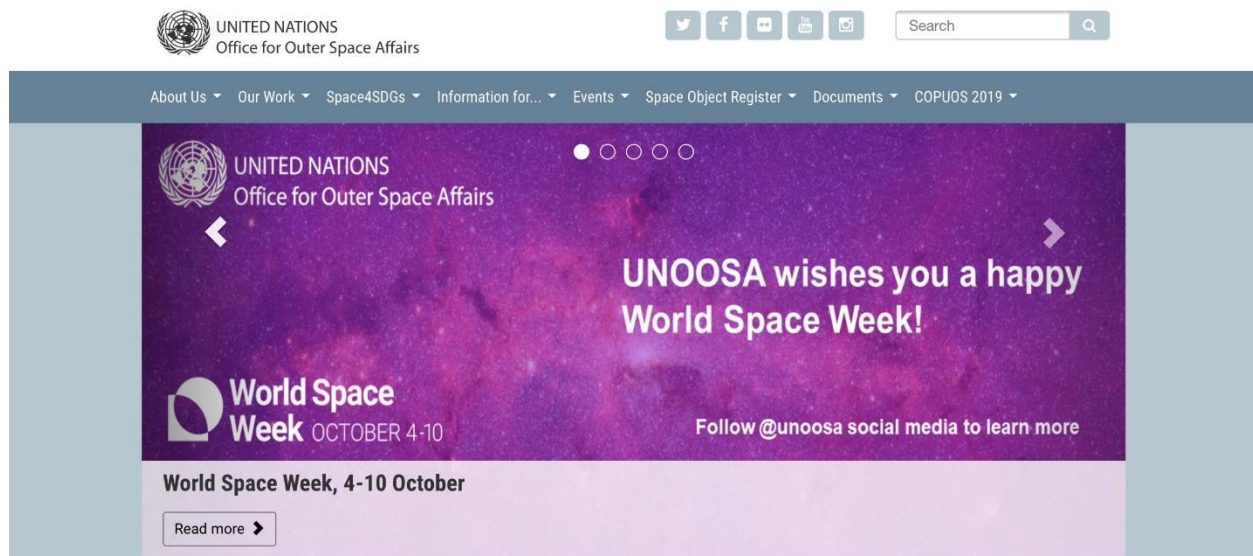
Global trends show continuous and growing support for World Space Week, with more countries participating every year. Growing number of events in countries where National Coordinators report strong support by their governments and national institutions show the importance of official support.

The total number of World Space Week 2019 events was 48% greater than the previous year, demonstrating continued strong growth of this annual celebration.



WORLD SPACE WEEK 2019 GLOBAL HIGHLIGHTS

World Space Week witnessed a record number of events across the world in 2019. WSW coordinators, volunteers, supporters, sponsors and participants organized more than 8,000 events in 96 countries. It encompassed an incredible diversity of events celebrating the theme of “The Moon: Gateway to the Stars”. This section showcases some of the creative, innovative and popular events that brought people together to celebrate space.



- Cruise liner Cunard conducted its annual Transatlantic Space Week aboard its flagship Queen Mary 2, as it voyaged from **Southampton to New York** from Sep 26 to Oct 4, 2019. The journey featured a variety of space-themed experiences, including talks from distinguished space explorers and astronomers.
- UNOOSA celebrated #WSW2019 by offering a special dish inspired by the astronaut menu on the International Space Station every day at UN **Vienna**.
- RS&H Engineering in the **United States** featured profiles of some of its projects that will help serve NASA on the next frontier, from modifying the Vehicle Assembly Building to designing asteroid curation labs.
- ESA hosted its Open Day on October 6 at ESTEC in Noordwijk, the **Netherlands**. With the theme of 'ESA to the Moon', guests included 2 Apollo astronauts and an ESA astronaut.
- This year, World Space Week coincided with **International Observe the Moon Night**, an international celebration of lunar and planetary science, celestial observation, and the cultural and personal connections we have with our Moon.
- In **Mexico**, the National opening ceremony for World Space Week was held at the H. Escuela Naval Militar in Veracruz state, on October 4. It was attended by the State Governor, WSWA Board Chairman Dr. Javier Mendieta, Navy officers and others.

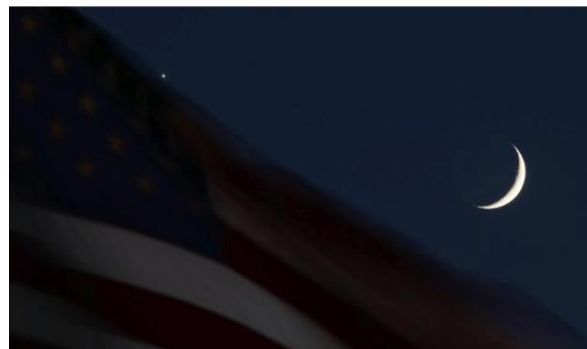


- SPACE Chennai in **India** conducted a series of public lunar telescopic observations for different groups – underprivileged kids, old age homes, women shelters, rural schools.
- To celebrate WSW, **Samsung** launched a handful of new space themed wallpapers for the Galaxy Note 10 and Galaxy S10 series.
- StarTalk Radio celebrated World Space Week with Neil deGrasse Tyson, Matt Kirshen, and Charles Liu answering fan-submitted Cosmic Queries.
- In **Chile**, Diego Portales School in collaboration with Chilean Air Force hosted the closing ceremony of World Space Week 2019.
- Space Resources Week was held in **Luxembourg** from 7-11 Oct, including a professional course, workshops, talks, documentary screening.
- Space Science Days by the **Russian Academy of Sciences** and Roscosmos State Corporation hosted “Road to Space. First all-Russian Space Education Conference” in **Russia**.

Forbes

When To See A Crescent Moon Cradle Jupiter And Saturn As Lunar-Themed ‘World Space Week’ Begins

By Jamie Carter, Contributor
3 October 2019 at 07:10 · 4-min read



SPOTLIGHT: REPORT FROM PAKISTAN

It remains an incontrovertible fact that humankind is blessed with the intelligence and potential to ensure not only its survival but also push limits of possibility. It is the curiosity to find our place and place in the universe and the thirst for knowledge that transforms our evolution from primitive beings into explorers, pioneers and voyagers. With this aim in sight, World Space Week celebrations were first organized across Pakistan in 2005.

Over the years, our efforts have not only yielded quantifiable results but are also recognized, time and again by World Space Week Association (WSWA). Starting from only four cities of Pakistan, today we are among the countries having highest number of events at World Space Week (WSW) celebrations. Pakistan was also recognized for organizing highest number of activities during world space week 2015, second highest number of events among all participating countries in 2016 and highest number of media impressions in 2010.

This year we redesigned WSW activities and introduced a dedicated web portal to enhance the outreach and increase participation from across Pakistan. Calls for participation in WSW activities spearheaded by SUPARCO were made in leading newspapers of the country and schools were invited to take part in the event as a national competition. Schools organizing highest number of space related activities and competitions for their students, pertinent to the theme of WSW 2019 were recognized as the “Best Space Science School” of the country. Notable efforts were recognized as “Best Space Awareness Initiative” and “Best Space Enthusiasts”.



The results surpassed our expectations. The idea of WSW activities as a national competition among schools and educational institutes went viral and was received very enthusiastically by the academia and students. Schools from the remotest corners and farthest terrains registered on the web portal and organized WSW events for their students. Reports were submitted on the website along with pictures and videos. In total, schools across Pakistan reported over 1,600 WSW events with thousands of participants reassuring the fact that this has become the most celebrated and anticipated science fair in the country.

We anticipate that results will again exceed beyond our expectations next year as we set sail for farther horizons. May success greet us on our journey!

Major General Amer Nadeem, HI (M), Chairman of SUPARCO



SPOTLIGHT: 20TH ANNIVERSARY OF WORLD SPACE WEEK

The year 2019 marked the 20th anniversary of World Space Week. This international week observed by the United Nations was established pursuant to paragraph 7 of UN General Assembly Resolution 54/68 on the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space, adopted on 6 December 1999. This declared 4-10 October each year as World Space Week, an annual global celebration of the contributions of space science and technology to the betterment of the human condition.

The dates framing World Space Week, 4-10 October, recall two very significant dates in the history of space exploration, one technical and the other regulatory. The 4th of October 1957 was the date of the launch Sputnik I, which marked the beginning of the Space Age and opened the way for space exploration. The 10th of October 1967 was the date of the entry into force of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies, which has served as the cornerstone of international space law for the past 52 years.

In UN COPUOS we often speak of the importance of raising public awareness of the importance of space science and technology. This is precisely the mission of the WSWA. This organization had its origins in the United States in 1980 as the Space Week Association, and in 1999 it offered to the UN to serve as global coordinator of World Space Week, and helped organize the first such celebration in 2000. It has been coordinating WSW ever since.



World Space Week is now the largest annual distributed space awareness event on Earth. In 2019 there were more than 8,000 events in over 90 countries that celebrated the theme “The Moon: Gateway to the Stars.”

In implementing its activities, WSWA relies on the volunteer efforts of many coordinators and event organizers distributed around the world. Over the years, these volunteers have inspired countless numbers of young people to imagine careers in space, and indeed many people who are now space professionals can trace back their interest in space to participation in a WSW event. WSW has also acted as a platform to raise space awareness among decision-makers and has been an early stepping stone for countries entering the space arena.



We congratulate the World Space Week Association on coordinating the world-wide implementation of para. 7 of UN Resolution 54/68 that gave rise to World Space Week for the past 20 years and wish them all the best for the next 20 years.

Peter Martinez, Executive Director, Secure World Foundation



2019 THEME: "THE MOON: GATEWAY TO THE STARS"



In 2019, the world celebrated the 50th anniversary of the first human moon landing of July 20, 1969. This historic event kept people glued to their black-and-white TV-screens all over the world, and marked the start of a new era for humanity. For the first time in our existence, we were not bound to Earth anymore.

The last person to set foot on our faithful satellite did so in 1972. But instead of sending humans to other heavenly bodies, space agencies then favored robotic missions across our solar system, deep space research with space telescopes, and crewed missions in low Earth orbit (LEO) with projects such as the Space Shuttle program, Mir, the Chinese Space Station and the International Space Station.



Interest in crewed exploration outside LEO has gained tremendous momentum during the past decade again. Driven by the enthusiasm ambitious entrepreneurs, people all over the world and from all generations dream of exploring the vastness of space themselves. In addition to highly experienced aerospace companies, the world has recently seen the growth of significant entrepreneurial efforts in space. With potential economic and social benefits, a new space race is upon us. At the same time, it is crucial to understand and to protect our space environment.

While Mars presents an ultimate goal, many acknowledge that the Moon will play a vital role as a stepping stone in our efforts to explore the rest of our solar system. It is a stop on our way to the red planet, a place for unique scientific research to understand the history of our planet, a source of material for necessary equipment and fuel for our endeavors throughout the Solar system. These developments set the stage for the celebration of World Space Week 2019.



World Space Week Association's excitement for the lunar theme is strongly inspired by the presence of Apollo 11 crew member Buzz Aldrin on the Board of Directors and by the signing of a memorandum of understanding with the Moon Village Association (MVA) at IAC 2018 in Bremen. In cooperation with MVA, we sought global public input on the Moon

in 2019. World Space Week Association's Board of Directors decided to devote the WSW 2019 theme to our nearest space neighbor to celebrate the incredible achievement of landing on the Moon and to spark consideration of the value of the Moon in humankind's future space endeavors.



2020 THEME: "SATELLITES IMPROVE LIFE"

You wake up in the morning and check the weather forecast. Your neighbors use their phone to navigate to work. The news reports forest fires and shows an overview of the impacted areas. A fishing boat in distress in the middle of the ocean sends an emergency call for rescue. In the evening, you watch your favorite sports team play halfway around the world, with a delay of mere seconds.

It has become hard to imagine a world in which satellites do not exist. Since Sputnik, the first satellite launched on October 4, 1957, about 9,000 satellites have been launched by about 40 countries, serving a wide range of applications such as military, scientific, weather forecasting, communications, Earth imaging, climate monitoring, or land usage. Satellites helped shape the world, the economy, and the society as we know today. It is safe to say that we owe a big part of our prosperity and (technological) progress to satellites and their applications.

In the coming decade, on the large scale, satellite services such as communications and Earth observation will become even more crucial to improving life on Earth. On a smaller scale, it is becoming easier and more affordable for organisations such as schools and universities to launch cubesats and cansats for educational and research purposes, opening space to all.



To help promote this global celebration of the contributions of satellites in 2020, **Steve Collar, CEO of SES**, the largest satellite company in the world, is serving as World Space Week 2020 Honorary Chair. Mr. Collar has written to hundreds of space companies encouraging their support for World Space Week and the Association, and will honor supporters at the Satellite 2020 conference in Washington in March.

WSWA LEADERSHIP, OFFICERS AND SUPPORTING TEAM



Dr. Francisco Javier Mendieta
Chair



Prof. Christopher Welch
Co - Chair



Dennis Stone
President



Maruška Strah
Executive Director

OFFICERS

Executive Vice President:
Ben Baseley-Walker
Senior Vice President:
Michel Laffaiteur
Senior Vice President:
Ali Al-Mashat
Vice President Board Relations and Secretary:
Catherine Doldirina
Vice President Development:
Mariam Naseem
Vice President Partners and Programs:
Alex Karl
Vice President Education and Coordination:
Armengol Torres
Vice President Administration:
Marcia Gilbert
Treasurer:
Buckner Hightower

SUPPORTING TEAM

Office Manager:
Marcia Gilbert
Accounting Firm:
Baker Crane LLP
Social Media:
Tinkara Strah
Webmaster:
Rohit Kumar
Highlights Editor:
Ramasamy Venugopal
Newsletter Editor and Media Relations:
Jeroen Toelen
Podcast:
Haritina Mogosanu



WORLD SPACE WEEK ASSOCIATION BOARD OF DIRECTORS

Dr. Francisco Javier Mendieta Chair

George Abbey, Sr.

Ade Abiodun

Timiebi Aganaba

Buzz Aldrin

Oleg Alifanov

Ali Al-Mashat

Sergio Camacho

Sarah Cruddas

Jean Baptiste Desbois

Kerrie Dougherty

Arthur M. Dula

Iñaky Garcia-Brotons

Li Guoping

Tom Hanks

Candice Johnson

Lisa LaBonté

Prof. Christopher Welch Co - Chair

Zhang Yao

Michel Laffaiteur

Jean-Yves LeGall

Agnieszka Lukaszczyk

Victoria Maiorova

Amer Nadeem

Bill Nye

Misuzu Onuki

Marius-Ioan Piso

Dumitru-Dorin Prunariu

F. R. Sarker

Kaori Sasaki

Courtney Stadd

Randy Sweet

Fruzsina Tari

Bijal Bee Thakore



WORLD SPACE WEEK NATIONAL COORDINATORS

National Coordinators (NCs) are an integral part of the World Space Week and play a crucial role in promotion and coordination of the events in their countries. An especially important NC role is by documenting the events that occurred during the World Space Week in their country and informing the national media.

New guidelines, rules, and a plan starting 2019 were defined to improve NCs involvement and support to local event organizers and raising quality and performance of task coordination. As a result, the coordinator network was streamlined from 106 to 73 currently with 22 new. Despite the small drop, the 2019 results show how well-engaged volunteers can lead to new world records!

As a supporting and engagement tool, a WSW National Coordinators private Group on Facebook has been managed during the year. Currently 72 active members share ideas, highlights, news and advice between NCs and with the supporting team.

NCs represent a diverse array of space supporters in their countries. Some are national space or education agencies, some are in aerospace industry, and some are simply individual volunteers. Many have found rewards in terms of professional visibility, local recognition, and global networking with like-minded space enthusiasts. NC's tasks do not involve organizing events, but rather to invite space, astronomy, and educational organizations across their country to celebrate WSW, and

to tell their national media about the resulting celebration. NCs help in explaining WSW guidelines and providing advice to participants, and serve as a vital link with the WSWA at the global level.



We value significant insights NCs have in the industry in their own countries and we are grateful for their commitment to World Space Week. In 2019, we recognized **Mr. F. R. Sarker** (in the picture above), Bangladesh NC, for his dedication to World Space Week since its first celebration in Bangladesh in 2003 with a WSW flag flown in space on Orion by **Lockheed Martin**.

Want to be part of World Space Week volunteering as NC? If your country is not listed, please contact WSWA to apply. To be a local coordinator, contact your NC.



Algeria	Hichem Guergouri	Malta	Stephanie Maggi-Pulis
Angola	Zolana Joao	Mexico	Mario Arreola-Santander
Argentina	Jorge Coghlan	Montenegro	Marina Andrijevi
Azerbaijan	Famil Mustafa	Morocco	Zakaria Belhaj
Bangladesh	F.R. Sarker	Nepal	Manisha Dwa
Belarus	Alexei Belotserkovsky	Netherlands	Ramon Rahangmetan
Belgium	Aleksandr Stommels	New Zealand	Haritina Mogosanu
Bhutan	Yeshey Choden	Nicaragua	Emilio Zuniga
Bolivia	Rodolfo Zalles	Nigeria	G. I. Agbaje
Bosnia and Herzegovina	Amna Dervišagić	Pakistan	Atif Ali
Brazil	Valmir M. de Moraes	Palestine	Dawoud Tarawa
Bulgaria	Veselka Radeva	Paraguay	Alejandro Román
Cameroon	Tomukum Chia	Philippines	Rogel Mari D. Sese
Canada	Kenneth Lui	Poland	Adam Ustynowicz
Chile	Franco Orellana	Romania	Marius-Ioan Piso
China	Zhang Yao	Saudi Arabia	Mohammed Saeed Barziq
Cote D'Ivoire	Alexandre Koffi	Serbia	Zoran Tomic
Croatia	Danko Kocis	South Africa	Fikiswa Majola
Cyprus	George Troullias	South Korea, Republic of	KangSan Kim
Ecuador	Roberto Vallejo	Spain	Antoni Paz
Egypt	Amr Hassan	Sri Lanka	D.D.G.L. Dahanayaka
Estonia	Karin Pai	Sudan	Moutaman Mirghani
Ethiopia	Biniyam Kebede	Syrian Arab Republic	Muhammed Alassiry
France	J.B. JB Desbois	Tajikistan	Saidbeg Kalandarov
Ghana	Reagan Masud	Thailand	Wares Chancharoen
Greece	Zoulias Manolis	Turkey	Ksenia Synkova
Guatemala	Vinicio Montoya	UAE	Maitha Al Romaiti
Hungary	Laszlo Bacsardi	Uganda	William Asiimwe
India	Sachin Bahmba	Ukraine	Victoria Chetvertak
Iran	Saeed Jafari	United Kingdom	Victoria Southgate
Iraq	Eyad Khailany	United States	Allegra Searle-LeBel
Ireland	Claire McSweeney	Uruguay	Fernando Gimenez
Italy	Tommaso Marino	Venezuela	Jose Godinho
Japan	Taichi Yamazaki	Zimbabwe	Timothy K Udzanayi
Kazakhstan	Nazifa Baktybayeva		Kuhamba
Kenya	Peter Njuguna		
Kuwait	Lama Aloraiman		
Lebanon	Cyrine Nehme		
Lithuania	Linas Smigelskas		
Macedonia	Marina Tanevska		



WORLD SPACE WEEK ASSOCIATION SPONSORS

Galaxy Sponsors



Stellar Sponsors



**ELON MUSK
FOUNDATION**



Planetary Sponsors

AIRBUS

Satellite Sponsors



WORLD SPACE WEEK ASSOCIATION PARTNERS





World Space
Week OCTOBER 4-10