

2019

COMMEMORATIVE BOOK

1875

Participants

700

Projects

57

Countries

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ESI 2019 HIGHLIGHTS

57

Countries

627

UAE Participants

700+

Projects

86

Delegations

7

Days Program

25,822

sqm. ESI Floor space

1875+

Participants

764

Volunteers

18,222

Visitors

Under the Patronage of

H.H. Sheikh Mansour Bin Zayed Al Nahyan

Deputy Prime Minister and Minister of Presidential Affairs of the UAE



THE WORLD'S BIGGEST MILSET EXPO-SCIENCES FESTIVAL IN ABU DHABI



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MUBARAK ALSHAMSI

DIRECTOR GENERAL ACTVET

"Young People have inspired us with their creative minds, and we share their vision and determination to seek out these solutions and work towards a better tomorrow for all."

Under the patronage of H.H. Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs, we are proud to have hosted MILSET Expo-Sciences International Abu Dhabi (ESI 2019) from 22 to 28 September 2019.

After a long period of preparation, it was a pleasure for the Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET), and for me as its Director General, to have welcomed 1875 participants from 57 MILSET member countries to ESI 2019 Abu Dhabi.

The 17th edition of Expo Sciences International highlighted the importance that we all place on Science, Technology and Education, and in our youth as a powerful force that has to be inspired, encouraged and motivated. They also have a role to inspire their peers to seek out the opportunities around them and find solutions to future challenges.

Under the leadership and with the full support of the UAE Government, we

strive for prosperity and progression. Investment in our youth and their education is fundamental and a key part of our strong commitment to UAE Vision 2021 and Abu Dhabi Economic Vision 2030.

We have witnessed impressive projects and innovations at ESI 2019. Young People have inspired us with their creative minds, and we share their vision and determination to seek out these solutions and work towards a better tomorrow for all.

Lastly, I would like to express my appreciation to everyone who has supported us during this important event – our leaders, the government, the ESI 2019 Abu Dhabi Higher Organising Committee, all our sponsors and partners. We are grateful, and appreciate that ESI 2019 has only been possible because of this support.

Mubarak Alshamsi

Director General ACTVET
Chairman of ESI 2019 Organizing Committee



ALI AL MARZOUQI

PRESIDENT OF EMIRATESSKILLS



"The Expo has successfully highlighted the newest and innovative scientific and technological projects/researches from 57 countries."

It is with great honor to present to you the final report of the MILSET Expo-Sciences International 2019.

Since we last hosted the MILSET Expo-Sciences International back in 2013, we began preparing to host it again in Abu Dhabi for the second time. ESI Abu Dhabi 2019 was a success in terms of number of participants, number of projects and number of visitors. The Expo has successfully highlighted the newest and innovative scientific and technological projects/researches from 57 countries.

I was very fortunate to work with a talented and dedicated team who were assisted by large numbers of enthusiastic and committed volunteers. The team and volunteers have worked effortlessly to prepare for the largest Expo of science in the globe. I thank them all for their contribution to its success.

I also want to expand my utmost gratitude to the endless support from our government and to the sponsors who have backed and

encouraged us in every step of the way. The work done to prepare and execute ESI 2019 has been a truly collaborative effort involving not just the Emirate of Abu Dhabi, but the entire UAE.

My deepest thanks also goes to my colleagues and friends from MILSET who made the Expo itself happen, they included members of MILSET Board, MILSET Authority, MILSET Executive Committee, Head of Delegations and the list is infinite.

ESI next host city is Yucatan, Mexico, I wish you all the very best with the planning and preparation and I look forward to another great event in 2021.

Finally, I congratulate all the participants. Your talents and knowledge amazed all those who came to visit the Expo.

Ali Al Marzouqi
President of EmiratesSkills
Deputy Chairman of ESI 2019
Organizing Committee



ROBERTO HIDALGO R.
MILSET PRESIDENT

"At ESI 2019 young people behind the projects and their educators meet to show the world how science has no limits and how it can unite many people with a common goal."

Since 1987, MILSET has been dedicated to creating a network of collaboration with organizations around the world in an environment of fraternity and respect, which has allowed us, as an organization, to grow and to give young people in many countries a space, where they can express their ideas and share with others their love for science.

This is how the MILSET International Expo-Sciences has become a world reference. The best STEAM projects are selected by more than 150 organizations that are part of this growing family. Then, the young people behind these projects and their educators meet to show the world how science has no limits and how it can unite many people with a common goal, and a better future for all communities, everywhere.

And with great emotion, we lived another edition of the ESI at an impressive setting in Abu Dhabi in the United Arab Emirates. It was

impeccably organised by one of the MILSET member organizations, Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET), to whom I want to express my gratitude and admiration for having made this ESI 2019 an unforgettable experience for more than 1875 participants, advisors and authorities, who attended the event.

Thanks to the entire organising committee and volunteers for making us feel welcome in this great country and for having set a very high standard for this event. This drives us to improve and grow to give all participants a better event each edition.

See you at ESI 2021 in Mexico.

Best regards,

Roberto Hidalgo
MILSET President



ADNAN ALMEER

MILSET VICE-PRESIDENT

MILSET ASIA PRESIDENT

"Dedication and passion were the common characteristics of the Organising team which paved the way for world youth to have a unique experience."

I would like to express my deepest gratitude for the extraordinary organization of the 17th Expo-Sciences International, which the Abu Dhabi Centre for Technical and Vocational Education and Training ACTVET organised, in cooperation with MILSET Movement from 22 to 28 September 2019.

We would like to thank you for your hospitality and to congratulate you on the great success the expo has achieved, with a well-planned program of activities, workshops, talks and roundtable discussions. Dedication and passion were the common characteristics of all the organising teams, which paved the way for world youth to have a unique scientific and cultural experience in Abu Dhabi.

MILSET reiterates its appreciation of ACTVET's extraordinary efforts and we wish the UAE all the success in its pursuit of excellence in all fields.

Adnan Almeer

MILSET Vice-president
MILSET Asia President



CAROLE CHARLEBOIS

MILSET GENERAL SECRETARY

"The quality of the event was exceptional and it will be a stimulating challenge for the future hosts and MILSET."

It is with great pleasure that I congratulate the MILSET Expo-Sciences International 2019 Host Committee from the Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) for the outstanding success of ESI 2019. Your goals in hosting the event were quite high and you have managed to exceed them. The quality of the event was exceptional and it will be a stimulating challenge for the future hosts and MILSET. From now on, we will continue working to meet the expectations of our scientists of tomorrow, a youth generation, which deserves excellence.

During the Year of Tolerance in UAE, you gathered youth from 57 countries and they successfully took part in reaching your objective to build a bridge of communication between people of the world and their various cultures in an environment of openness and respect.

My best wishes to ACTVET and I sincerely hope that you will continue to promote the importance of innovation in science and technology.

Carole Charlebois
MILSET General Secretary

ABOUT MILSET



The International Movement for Leisure Activities in Science and Technology (MILSET Mouvement International pour le Loisir Scientifique Et Technique) is a non-governmental, non-profit and politically independent youth organization, which aims at developing scientific culture among young people through the organization of science and technology programs, including science fairs, science camps, congresses and other activities of high

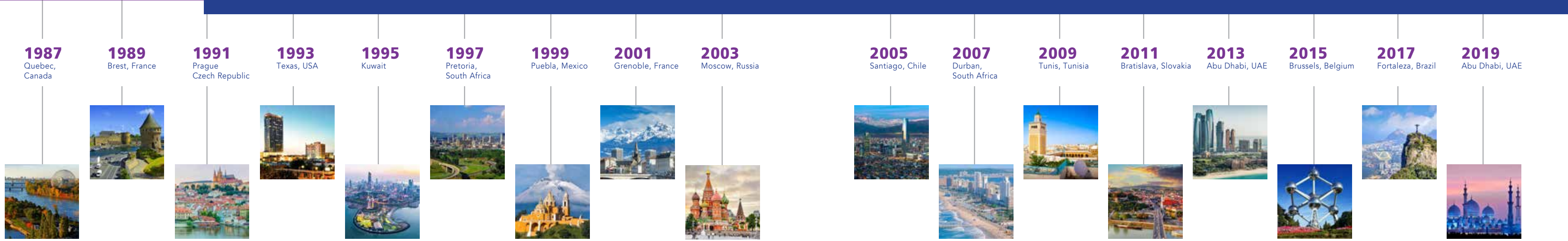
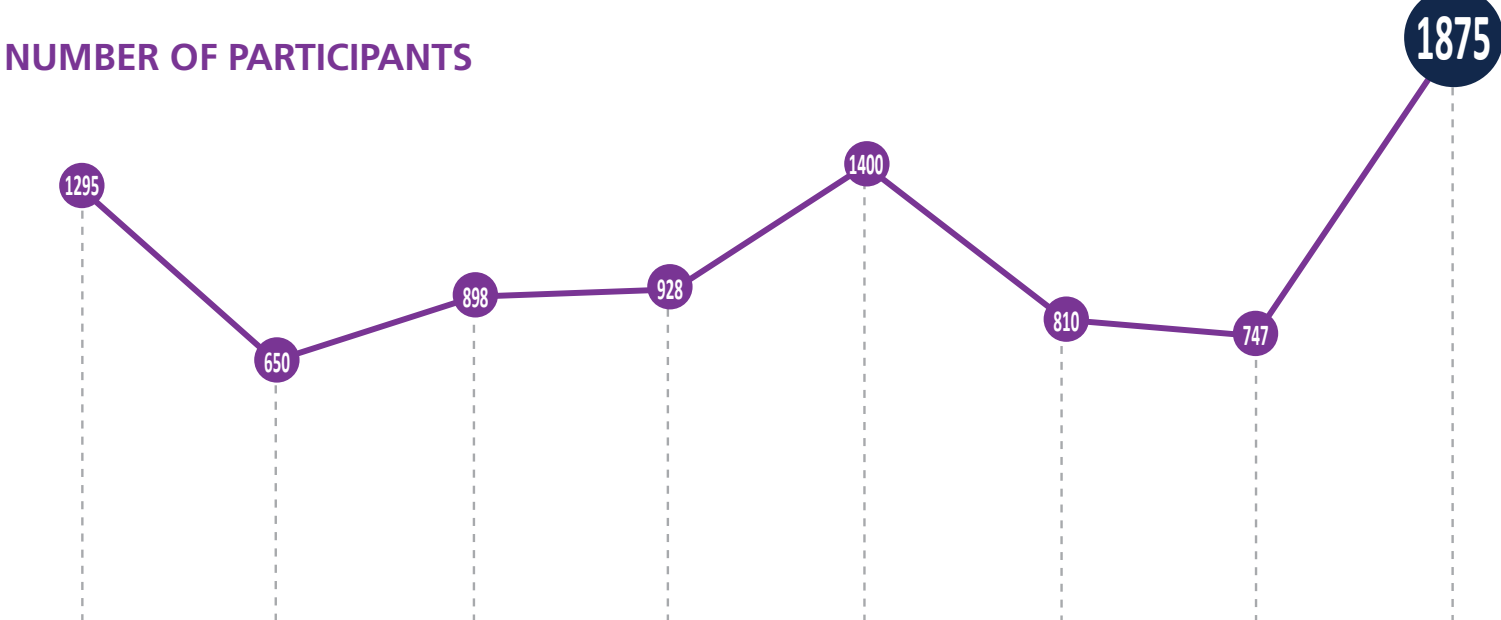
quality. MILSET was created during ESI 87, the first International Science Fair held in Quebec, Canada in 1987. Since then, regional offices were established in Latin America, Africa, Asia, Europe and North America.

Further information about MILSET is available on www.milset.org



HISTORY CHART OF ESI

NUMBER OF PARTICIPANTS



ABOUT ACTVET



ACTVET

Abu Dhabi Centre for
Technical and Vocational
Education and Training | مركز أبوظبي
للتعليم والتدريب
التقني والمهني

The Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) was established under the directive of His Highness Sheikh Mohamed bin Zayed Al Nahyan Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, through Resolution No. 49/2010.

ACTVET is committed to establishing policies and standards that effectively regulate technical and vocational educational institutions in the emirate of Abu Dhabi. ACTVET is also responsible for the licensing of trainers and assessing staff who meet the demands of the UAE's local market. The Centre aims to boost training and educational opportunities for young nationals within the qualification framework of the Emirate. ACTVET's ultimate goal is to increase the number of skilled Emirati youth involved in rewarding career paths and to foster lifelong learning and personal development.

Learn more about ACTVET initiatives on www.actvet.gov.ae



ABOUT ESI

ESI is a non-competitive event that brings together youth, educators and scientific experts from Asia, Europe, North America, Latin America and Africa, to exchange ideas.



ESI is a non-competitive event that brings together youth, educators and scientific experts from Asia, Europe, North America, Latin America and Africa, to exchange ideas and compare scientific projects fostering networking and international collaboration. ESI's aim is to promote scientific knowledge in a multicultural environment through an exhibition of projects created by youth from all over the world. It provides a unique opportunity for budding talents to come together and share ideas on scientific innovation in the largest youth science expo in the world, encouraging thought leadership and creativity for the future leaders of tomorrow across STEAM fields.

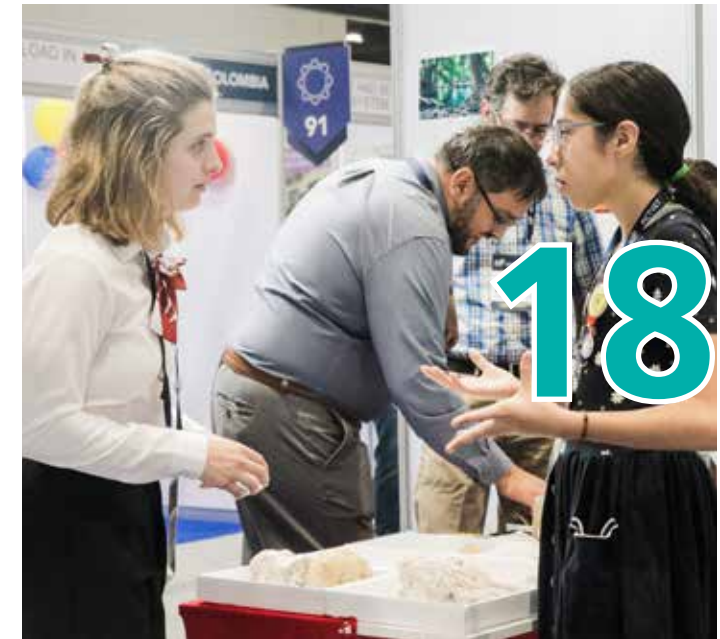


EXECUTIVE SUMMARY



700

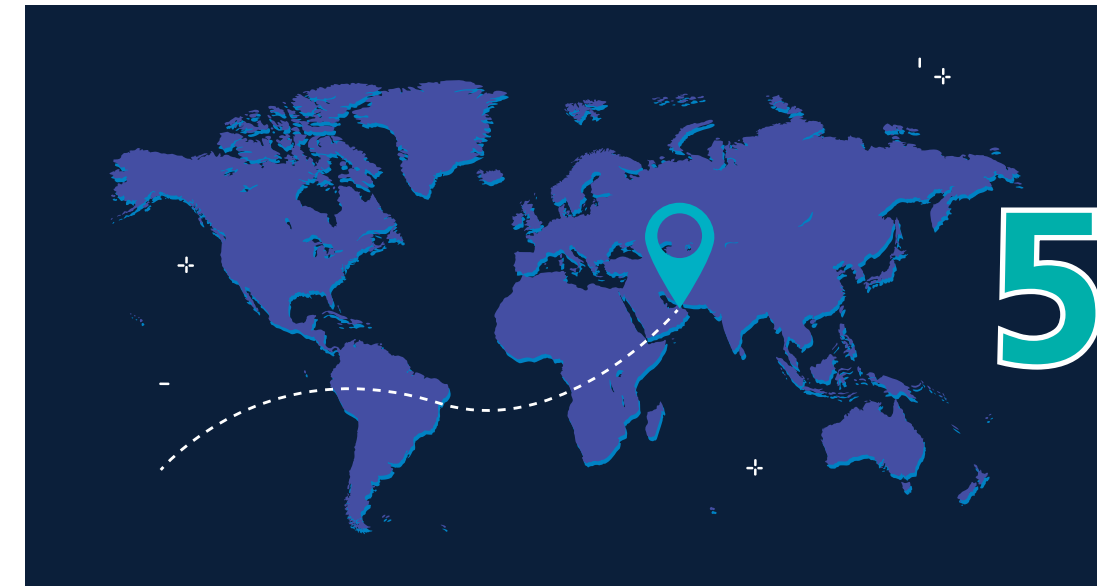
Local and International
Scientific and Technical
Research Projects



1875

Participants

Held under the patronage of His Highness Sheikh Mansour bin Zayed, Deputy Prime Minister and Minister of Presidential Affairs of the UAE, ESI 2019 Abu Dhabi was the ultimate showcase of over 700 local and international scientific and technical research projects from 57 countries including the UAE, all created by youth. Over 1875 participants and young scientists met, collaborated and debated scientific ideas, theories and projects at one of the largest non-competitive forums in the world dedicated to youth science.



57

Countries

THE EVENT



ESI 2019 was organized by The Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) and The International Movement for Leisure Activities in Science and Technology (MILSET).

It took place between 22nd - 28th September 2019 in ADNEC, Abu Dhabi - UAE and was open to the public on September 24th - 26th.



1248+ INTERNATIONAL PARTICIPANTS 627+ UAE PARTICIPANTS
86 DELEGATIONS 57 COUNTRIES 13 SCIENTIFIC DISCIPLINES
700+ PROJECTS 7 DAYS PROGRAM 3 DAYS EXPO 764 VOL-
UNTEERS 18,222 VISITORS 10 CITY TOURS 15 WORKSHOPS,
LECTURES AND ROUNDTABLE DISCUSSIONS 11 HOTELS 1791
GUESTS 2 DAYS OF TOURS IN ABU DHABI 24,896 VOLUNTEER-
ING HOURS 34,224 MEALS SERVED 10,746 OVERNIGHT STAYS
5,885,311 ORGANIC REACH ON DIGITAL & SOCIAL MEDIA
1490 KM2 OF PRINTING NEARLY 36% THE SIZE OF DUBAI

01



KEY MILESTONES



The journey to ESI 2019 was long but fruitful. It started with ACTVET expressing interest in hosting the event back in November 2013, following a successful expo held in Abu Dhabi during the same year. In 2015 the UAE won the bid to host the event and the preparations gained more momentum with the announcement of the patronage of Sheikh Mansour bin Zayed Al Nahyan, the Deputy Prime Minister of the United Arab Emirates, Minister of Presidential Affairs in 2017. Later in 2017, the official agreement to host the event was signed and the preparations for the event accelerated over the following 24 months.



BOARD OF DIRECTORS

The Board of Directors for MILSET – EXPO Science International was officially formed on June 4th, 2018 chaired by Mubarak Al Shamsi, Director General of Abu Dhabi Center for Technical and Vocational Education and Training.

The Board of Directors was made up of distinguished figures in Education and the MILSET founding members and authority. The board included:



Mubarak Al Shamsi
Director General of ACTVET
Chairman



Ali Al Marzouqi
President of EmiratesSkills
Vic Chairman



Dr. Ahmed Al Awar
Managing Director – IAT
Member



Dr. Abdulrahman Al Hammadi
Managing Director – ADVETI
Member



Fatima Al Foulathi
Director of Support Services – IAT &
ADVETI
Member



Dr. Amna Al Dhahak Al Shamsi
Under Secretary - Ministry of Education
Member



Adnan Al Meer
President – MILSET Asia
Member



Roberto Hidalgo
President - MILSET
Member



Carole Charlebois
MILSET General Secretary-Treasurer Guest

ESI 2019 OBJECTIVES AND KEY PERFORMANCE INDICATORS

At an early stage of the project, work was undertaken to clearly establish what the UAE was aiming to achieve by hosting ESI for the second time in Abu Dhabi. This was put into key objectives significant to UAE's vision of Innovation.

To measure and evaluate the success of ESI 2019, a set of key performance indicators (KPIs) correspondent to the objectives of hosting ESI 2019 were developed. We included in this report the high level KPIs of ESI 2019 and the measured achievements.

NO.	KPI	Target for ESI 2019	Actual for ESI 2019
1	Number of Participants	2000	1875
2	Number of Countries	68	57
3	Number of visitors	15,000	18,222
4	Number of Volunteers	600	764
5	Percentage of Sponsorship to the full ESI 2019 budget	23%	51%
6	Educational Activities	11	17
7	Number of major Health and Safety Incidents / Accidents during ESI 2019	ZERO	ZERO
8	Percentage of UAE participants to International	25%	50%



PROMOTE INNOVATION

Encouraging Competitiveness by creating a platform for students to engage in scientific activities and projects, promoting motivation of students in improving acquired scientific skills. Attracting and involving private and public organizations to incubate and support future scientific projects of the participants and encourage innovation.



BOOST STEAM EDUCATION

Showcase the applications of the STEAM knowledge in different scientific categories. Inspire new teaching activities and methods and share latest scientific knowledge and teaching experiences that can be applied by educators in their classrooms.



KNOWLEDGE BASED ECONOMY

Enhance the role of scientific research as an essential resource for setting policies and supporting the decision making process.



EDUCATIONAL TOURISM

The government of Abu Dhabi adopts a long-term educational outlook which aims at making Abu Dhabi the science and research hub in the region, welcoming students and educators from all over the world and fostering the international exchanges and the intercultural understanding.



FOR AN "INQUIRING UAE YOUTH"

The way for knowledge passes through research, hence, comes the need to enhance and refine inquiry and investigative skills among the youth.



ORGANIZATIONAL STRUCTURE AND COORDINATION

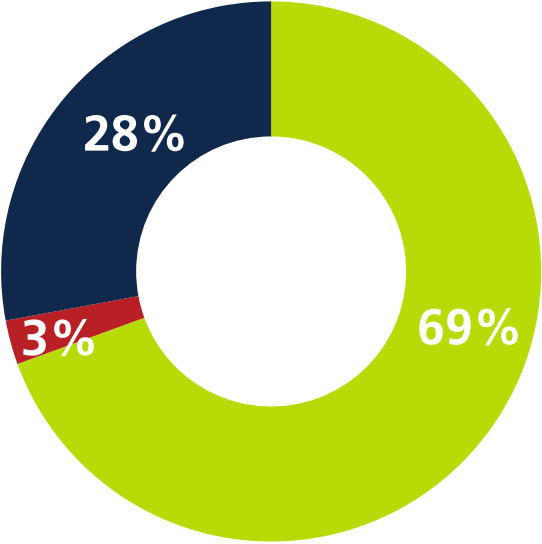
9,995 workdays put by staff to organize ESI

Altogether, there were more than 52 professionals operating directly in the capacity of ACTVET as ESI 2019 Organizer. MILSET also contributed secondees to help with the organization of ESI

2019. Additional services were outsourced such as: Build up, Delegations Management, PR & Marketing, Consultancy and Photography & Videography. In all it took 9,995 days to deliver the 17th edition of ESI in the form we have seen in Abu Dhabi in 2019.



MILSET EXPO-SCIENCES INTERNATIONAL ABU DHABI 2019 TEAM



■ ACTVET
 ■ Outsourced
 ■ Secondees



ESI 2019 TEAM

A word from ESI Organizing Committee

It is gratifying to see the result of all the efforts put in by ACTVET to organize the MILSET Expo Science International – Abu Dhabi 2019. The preparation time and diversity of the guests and the logistical challenges were successfully overcome, and it is safe to say that the 17th edition of ESI was the largest so far.

We spared no efforts to welcome all 88 delegations and to do the best for them. From the Expo to the ceremonies and the excursions, everything was planned and implemented carefully so that all participants could have a positive experience and enjoy their stay.

It was an event of the highest levels of quality, in all aspects. Participants showcased their projects with excellence, quality, and effort. In addition, we offered a high-level Youth Citizen Conference, Leader Congress, and lectures, round table discussion and workshops Program, with national and international coverage, which discussed ideas and trends related to STEAM education through an intense exchange of experiences.

Finally, important agreements and business opportunities saw the light in the Partnership Alley with the major stakeholder from the

STEAM fields facilitated by ACTVET to create opportunities for further collaboration.

As the event reached the end, we are convinced that ESI 2019 made a social impact stimulating innovation and creativity in every STEAM-passionate student, demonstrating its importance for the countries national strategies to be achieved. By choosing STEAM education, young professionals are stimulated to pursue careers and advancement in the scientific research areas leading to opportunities for employability in elite fields critical for the country's advancement and national security.

More than 18,000 visitors visiting ADNEC from 22 to 28 September 2019 discovered an exciting, inspiring intellectual environment. Certainly a unique experience that won't be forgotten. With this final report the Expo Science International – Abu Dhabi 2019 Organizer would like to thank you for the opportunity to promote the best MILSET ESI ever.

See you in Yucatan, Mexico.

Higher Organizing Committee

Chairman
MUBARAK AL SHAMSI

Vice Chairman
ALI MOHAMED AL MARZOUQI

Venue and Build up
FAHAR ALI AL SUWAIDI

Events and Activities
NAEEMA MABKHOT AL MENHALI

Project Management
SAQER ABDULLA AL HAMMADI

Event Management
WAFAA AL SARRAJ

Marketing and Communications
KHULOOD MOHAMED SALEM ABDULLAH

Protocol and Public Relations
ISHAQ KHALIFA AL MUGHAIRY

Technical Committee

Venue And Build Up

- Fahar Ali Al Suwaidi
- Abdulla Sultan Al Marri
- Mahra Hamad Mubarak Saleh Alkarbi

Project Management

- Saqer Abdulla Al Hammadi
- Athari Eissa Al Ali

Event Management

- Wafaa Al Sarraj
- Berenice Rodriguez
- Lisette Reyes

Operation And Services

- Abdulrahman Mohammad Al Rais
- Ishaq Khalifa Al Mughairy
- Mohamed Basheer Al-Smadaie

Events And Activities Program

- Naeema Mabkhoot Al Menhali
- Abdulrahman Mohammad Al Rais
- Amjad Hani Al Sehli
- Diyaa Ben Khadra
- Ayat Ali Al Dhaheri

Excursions And Transportation

- Mohsen Mohamed Al Hamed
- Shaima Ali Almayasari

Projects Accreditations

- Ziad Mohammad Abu Sal
- Yousef Al Shehhi
- Yousef Mostafa Amarneh

Registration

- Mohamed Abdulaziz Alali
- Mirfat Omar Al Maery
- Rajiv Ravindra Datar

Marketing And Communications

- Khulood Mohamed Salem Abdullah
- Marzooq Abdulla Al Bastaki
- Eva Jenneke Beens
- Rajendran Sonasalam

Media And Social Media Coverage

- Adel Mohamed Arafa
- Khulood Mohamed Salem Abdullah
- Amena Ibraheem Alhammadi

Sponsorship

- Fatima Salem Saif Al Suwaidi
- Marzooq Abdulla Al Bastaki

Visitors

- Ibrahim Eissa Alyassi
- Rania Ahmed Hafez Elashry

Security

- Ghanim Salim Ajaif
- Naeem Subhy Omar Abu Zainah

Logistics

- Khalifa Mohamed Al Qubaisi
- Shaikha Rashed Ahmed Almannaei
- Ali Mohamed Al Mafudhi
- Ahmad Abdelrahim Abu Samha

Information Technology

- Mahra Ahmed Altenaiji
- Osama Ahmad Melhem

Volunteers

- Abdulla Mubarak Al Yaqoobi
- Abdulla Almaskari

Protocol And Government Relations

- Ishaq Khalifa Al Mughairy
- Aqeel Mohamed Al Khoori
- Yousuf Mohamed Yacoob
- Saeed Abdulla Alzaabi

Quality Assurance

- Hanan Al Hashmi
- Peer Mohamed Hatim Rasheed

Secretary To The Committee

- Alya Abdulla Alasri Ali Al Dhaheri

ESI OPERATIONS



DELEGATIONS MANAGEMENT



7 Delegate heads

23 Delegate managers

158 Country friends

It took a lot of planning and collaboration to provide 1875 ESI 2019 participants with a seamless experience, throughout the 7 days of the expo. Below are some of the key figures behind the invaluable support provided by the delegations management team.

7 Delegate heads , 23 Delegate managers, 15 people included in the support team, including traffic management team (positioned along the walking path from hotels near ADNEC daily), catering manager, tour management team and onsite support team, 5 Logistics managers, 140 hours spent to set up the logistics framework for ESI 2019, 158 Country friends divided into two shifts daily, morning and evening, 128 is the number of hours each country friend spent supporting delegations

A team of 208 bilingual and trilingual professionals was hired to support ESI 2019 delegations from arrival to departure. Members of this multi-skilled team of professionals were paired with the delegation from arrival at the airports until departure and stayed with them at the hotels, with the purpose of providing 24/7 support to all delegations.

Country Friends

The country friends had a comprehensive overview of the operations at the event and worked as representatives of ACTVET, the ESI organizer, offering a welcoming and warm attitude and showing high attentiveness to the requirements of the delegations. ACTVET wanted to ensure that our guests are enjoyed the best experience at ESI 2019 and that they left with good memories of Abu Dhabi and the UAE.

ACCOMMODATION

10,746

Overnight stays

To fulfill the accommodation needs at ESI 2019, 11 top hotels in Abu Dhabi were hired to host 1,791 guests, occupying more than 779 rooms, totaling more than 10,746 overnight stays. The 11 hotels were selected based on a defined criteria.

One of the specific characteristics of these hotels was the location; 5 hotels were located at a walking distance from ADNEC, the rest were within a radius of up to 15 km. Hotels were also carefully chosen to offer the best quality accommodation, comfort and a zest of Arabian hospitality. Proximity and practicality for delegations transportation to the venue, as well as to downtown Abu Dhabi was also considered while making hotels selections.

The chart below presents the distribution of guests at the 11 hotels across Abu Dhabi.



CATERING



Meals served

Catering was one of the most elaborate services during ESI 2019. The team was required to adapt the meal logistics for all registered delegations and accommodate their diverse eating habits, bearing in mind the cultural considerations, as well as food restrictions and dietary requirements.

The team examined and approved 132 buffet menus and hosted a gala dinner to welcome and recognize the support of ESI 2019 sponsors, partners, MILSET officials and Board members as well as the heads of delegations coming from around the globe to support their respective delegations participating at ESI 2019.

During the entire ESI 2019 program, we successfully served 34,224 meals, provided 755 coffees and refreshments and treated our guests to a farewell dinner, where they sampled the delicacies of the Emirati cuisine and enjoyed more of the famed Arabian hospitality.

The 3,959 sqm Hall 11 at ADNEC was transformed into a dining hall. The set-up accommodated ESI 2019 delegations and staff with a full capacity of 1,800 guests daily providing a service to 1,200 people at any time during the event hours.



Coffee Service



Buffet Menus

2300
BUS TRIPS



TRANSPORTATION

21,893 People Transported

When we planned the transportation services for ESI 2019 guests, we were mindful of a few things; the staggered arrival/departure itineraries to/from Abu Dhabi and Dubai airports, the number of people to be transported, as well as the pickup / drop off locations.

The transportation plan had to be punctual and safe for all those involved with ESI 2019; transporting people in quality, fully air conditioned vehicles and maintaining the same drivers for each hotel to ensure seamlessness of service. Adding up all personnel involved with the event and visitors, 21,893 people were transported and 150,640 km were travelled.

Key highlights of transportation services at ESI 2019, include:

- 46 Buses
- 2,300 Bus trips
- 400 staff service days

Transportation services were organised based on visitors profiles; nationals and internationals.

Some of the following pre planned activities were instrumental to the success of the transportation service:

- Establishment of the transportation committee including people with previous experience in ACTVET’s national and international events
- Traffic management support from police authorities in Abu Dhabi and Dubai
- Support and cooperation from the airports authorities at Abu Dhabi and Dubai airports.
- Support from the Department of Transport in Abu Dhabi, providing free public transport access to all ESI 2019 delegates
- Support form Emirates Transport Company providing the transporting vehicles, drivers, and an efficient transportation service.

- Support from the Ministry of Education, ADEK, IAT, ADVETI and the private schools in UAE by arranging transportation of more than 18,222 students who visited ESI 2019.
- Support from the security team who facilitated a safe and smooth arrival and departure of 717 busses throughout ESI 2019
- Support from ADNEC, ESI 2019 venue, by providing Hall 10 as a safe, air-conditioned and convenient holding area for smooth security checks and admission of visitors.
- Providing VIP parking access to royal family members, VIPs, ambassadors & diplomatic guests, ministers, and UAE government officials & personnel.
- The logistics for Participant pick up and drop off at cultural event and closing ceremony, and during the rehearsals and the ceremonies which preceded these events.

ACCREDITATION



The accreditation work for ESI 2019 began in March 2019, focused on structuring the Accreditation system, which included identifying participation profiles. To facilitate and accelerate the registration process a system was developed for the purpose of preregistration of the projects by each delegations including, Projects, abstracts, participants, supervisors, Head of Delegations, Visitors, Organizing Committees, ACTVET, MILSET, volunteers, Country friends, media, VIP Guests.

Data from the official registration was migrated from MILSET registration system to a printable Module. Each registered member received a notification of his or her pre-registration in the system.

The delivery of the printed badges was generally made at the same time as the welcome packs were provided to participants upon completion of accreditation at ADNEC.

For the Side Activity Program the badges were scanned for all ESI registered attendees to receive a printed certificate recognizing their participation in the Youth Citizen Conference YCC and The Leaders' Congress.

Some badges were printed previously for outsourced professionals, exhibitors, and sponsors in the event.



THE PARTICIPATION PACKS

2,000 Welcome Packs



Accommodation



Breakfast



Lunch



Dinner



Refreshments



Accreditation



Welcome Packs



Opening Parade
of Nations



Conferences and
Workshops Programs



City Tours &
Excursions



Daily
Transportation



Public
Transportation



Cultural Event



Farewell Dinner



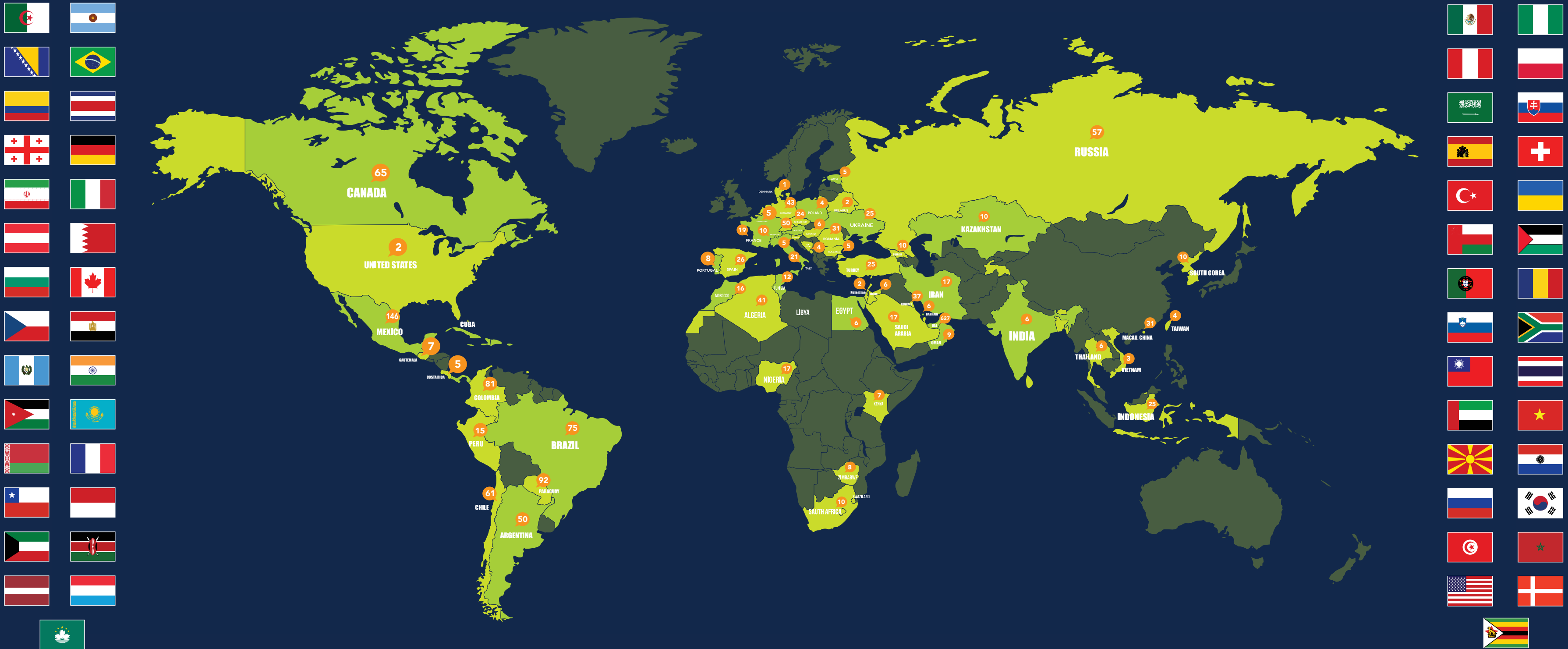
Closing
Ceremony



Airport-Hotel-Airport Transfers

02

57
COUNTRIES





ENGAGING UAE

ESI 2019 engaged the local community and wider society through strategic content placements, edutainment and recreational activities, to raise awareness among the community and draw support from wider society, whilst igniting interest in STEAM education and the expo among the UAE youth at large.

The key awareness initiatives included the placement of banners across all bus stops around Abu Dhabi and in-mall activities, featuring a mobile planetarium and providing children and adults with an exciting opportunity to learn more about the stars, constellations and planets. The planetarium toured Abu Dhabi's favourite malls on weekends, and thousands of Abu Dhabi residents saw it and learned about space in an interactive and engaging environment.

As well as attracting people to visit the event, our ambition was for ESI 2019 to become a catalyst for increased awareness and take up of STEAM education, innovation and research among young scientists.

Universities, schools, educational leaders in STEAM, professional associations and a range of other organizations and stakeholders across UAE joined us in helping to achieve that ambition - working with us on engaging students in STEAM activities that complemented ESI 2019.

Their efforts were invaluable in helping publicise the expo and to raise awareness of STEAM at all levels to fulfill the county's needs in these fields.



MOUs SIGNING

ACTVET AND LULU SIGN MOU for EXPO SCIENCES INTERNATIONAL – Abu Dhabi 2019



On 7th August 2019, ACTVET, Abu Dhabi Center for Technical and Vocational Education and Training, and LuLu, the largest hypermarket chain in the region, announced their partnership for the promotion of MILSET Expo-Sciences International (ESI) – Abu Dhabi 2019.

The announcement was made at a special reception marking the signing of Memorandum of Understanding (MOU), by H.E. Mubarak Al Shamsi, Chairman of ESI – Abu Dhabi 2019 Organizing Committee and ACTVET Director General, and Mr. Yusuff Ali M.A, LuLu Group Chairman and Managing Director.

ACTVET AND UAE SPACE AGENCY SIGN MOU FOR EXPO SCIENCES INTERNATIONAL – ABU DHABI 2019



On September 10 2019, ACTVET, Abu Dhabi Center for Technical and Vocational Education and Training, and UAE Space Agency signed a memorandum of understanding to run a joint ceremony to observe the launch of Hazza Al Mansoori, the first UAE astronaut, to the space during MILSET-Expo-Sciences International (ESI) – Abu Dhabi 2019.

The announcement was made at a special reception marking the signing of Memorandum of Understanding (MOU), by H.E. Mubarak Al Shamsi, Chairman of ESI – Abu Dhabi 2019 Organizing Committee and ACTVET Director General, and H.E. Dr. Mohammed Al Ahababi, Director General of the UAE Space Agency.

DIPLOMATIC ENGAGEMENT



60

VIP visits



25

Ambassadors



29

Dignitaries, Ministers
and Government
officials visited
ESI 2019

18/22 VISITORS

SCHOOLS VISIT



16,922

students visited
ESI 2019

To maximise attendance of school children and ensure that the largest number of students benefited from the event, ACTVET launched an extensive campaign targeting Government, private and international schools across Abu Dhabi, working closely with the Ministry of Education in the UAE and the Abu Dhabi Department of Education and Knowledge (ADEK). This included a bespoke communications campaign, newsletters and one-to-one engagement meetings with the schools and universities. The event was also accredited as an approved school trip destination by the Ministry of Education, which facilitated the process for a large number of school children, aged 9 and older, to visit the event and enjoy its many attractions.





03 CEREMONIES

03

Ceremonies have the power to bring people of different cultures together and align them on shared values and common interests.

ESI 2019 ceremonies were a tribute to the vibrancy and aspiration of young people from around the world and our way of showcasing true Arab hospitality.

GALA DINNER AND MILSET AWARDS

The MILSET Award went to Abu Dhabi
Centre for Technical and Vocational
Education and Training (ACTVET)



Overlooking the iconic Sheikh Zayed Grand Mosque, a gala dinner hosted by H.E. Mubarak Al Shamsi Director General of ACTVET and Chairman of ESI 2019 Organizing Committee, was organised in honour of the ESI 2019 VIP guests, heads of delegations, local and international stakeholders and event partners and sponsors, who have all generously supported the event.

During the gala dinner, MILSET Awards were given to show appreciation to those who have been involved in MILSET activities. The award recipients were:

Eugenio Urrutia Albisua from The Popular Puebla State University UPAEP in Mexico, received the Derek Gray Medal, presented to mark an outstanding individual

contribution to MILSET and its activities or the long-term investment of an individual to the movement.

This award was created in memory of Derek Gray, from South African and the founder of Expo for Young Scientists.

The MILSET Award went to **Abu Dhabi Centre for Technical and Vocational Education and Training ACTVET**, this award has been traditionally given to the host organization of the Expo Sciences International since the first one held in Canada in 1987.

A number of special awards were given to key individuals in recognition of their commitment to the outstanding delivery of ESI 2019

Mubarak Al Shamsi, Director General - ACTVET

Ali Al Marzouqi, President of EmiratesSkills

Dr. Amna Al Dhahak Al Shamsi, Under Secretary - Ministry of Education

Dr. Ahmed Al Awar, Managing Director - Institute of Applied Technology

Dr. Abdulrahman Al Hammadi, Managing Director - Abu Dhabi Vocational and Training Institute

Fatima Al Foulathi, Director of Support Services - IAT and ADVETI



ESI 2019 OPENING



The official opening of ESI 2019 was observed by dignitaries, high-ranking government officials, ministers, senior leadership from the education realm, ambassadors and diplomats as well as the leadership of ACTVET, TVET system in UAE and MILSET.

The Parade of Nations represented a key moment at the ESI 2019 opening and was symbolic of the world coming together in a vibrant celebration of national pride spearheaded by young people, and their achievements in science.

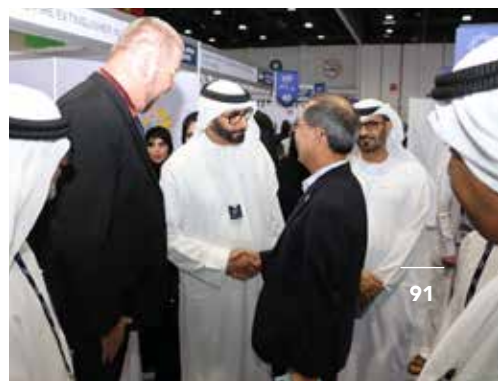




29 Royal Family Members, Ministers and Government officials visited ESI 2019



25 Ambassadors visited ESI 2019



CLOSING CEREMONY



As the sun set on the seven days of ESI 2019, a celebratory closing ceremony was organised.

To reflect on the success of the previous week, the attendees were addressed by Mr. Jorge Sotomayor, Lead Increment Scientist at NASA and a surprise video with a message from the International Space Station was played to a starstruck young audience.

A video reel showing highlights and key moments from ESI 2019 was played and a vibrant culture evening followed, where participants took to the stage to showcase traditional dances and music from their countries. This unique celebration of participating young people empowered them to learn about other cultures that engages them in a changing world.

A number of MILSET Awards were given to leaders and participants during the closing ceremony, including a special award to Mr. Jorge Sotomayor, for his valuable presence and participation in ESI 2019.

The Zimbabwe Science Fair took home the Enrique Padilla Award, a symbol of their determination, as it is usually presented to the delegation which succeed in bringing as many young participants as possible, despite the difficult conditions.

The Best Delegation Award went to Landersband Sachsischer Jugendbildungswerk (LJBW) from Germany. This award usually goes to a

MILSET-member organization that has demonstrated exemplary behaviour and openness towards other cultures, and which has never previously received the award.

During the cultural event a jury has selected two countries that best reflected their unique culture, showing preparation and commitment. The two winners were National Network of Science and Technology Organization RED, Mexico for Best Booth Award and FECITEC Girasoles Organization, Paraguay for Best Performance.

Emirati Meera Mazrouei did her home country proud and took home the MILSET Asia Excellence award for girls. She was awarded for her invention "Astute Dilemma" and is in the process of getting her patent.

The finale at ESI 2019 closing ceremony was the handover of Expo-Science International flag to the next ESI 2021 host, Mexico.

The flag was handed from H.E. Mubarak Al Shamsi – Director General of ACTVET and Chairman of the ESI 2019 Higher Organizing Committee to Mr. David Davila, Consul in Mexican Embassy and Mr. Eugenio Urrutia from UPAEP.

04

At ESI 2019, a wide-ranging program of events targeting participants, visitors and educators was planned to discuss and debate the latest STEAM innovations and trends, as well as the emerging techniques in teaching STEAM subjects.

1

DAY



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DAY



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DAY



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DAY



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DAY



7

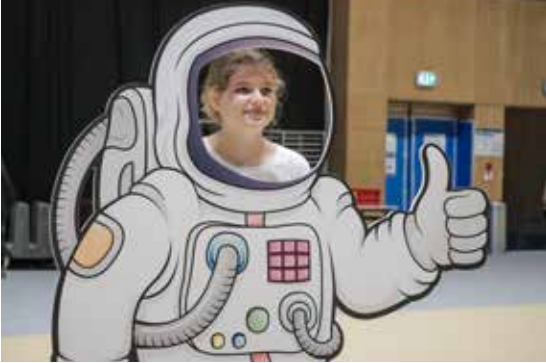
DAY



ESI 2019 SCHEDULE

Date	Time	Time & Activities	Location
Sunday September 22	All day	Arrivals and Transportation	AD Airport / DXB Airport
	12:00 to 14:00	Lunch	Hotels
	14:00 to 16:00	Registration Heads of delegations only	ADNEC, ESI Registration Desk
	19:00 to 21:00	Dinner	Hotels
Monday September 23	06:00 to 08:00	Breakfast	Hotels
	08:00 to 09:00	MILSET Executive Committee	ADNEC, Capital Suite 21 A
	9:00 to 16:00	Registration for late arrivals	ADNEC, ESI Registration Desk
	9:00 to 16:00	Set up of the projects in the booths	ADNEC, Halls 6,7, 8 & 9
	11:00 to 12:00	Rehearsal for Opening Ceremony	ADNEC, Hall 9
	12:00 to 14:00	Lunch	ADNEC, Hall 11
	13:00 to 14:00	Heads of Delegations Info Meeting	ADNEC, Capital Suite 21 B & C
	14:00-16:00	MILSET Board of Directors Meeting	ADNEC, Capital Suite 21 A
	14:15 - 16:00	MILSET North Africa Meeting	ADNEC, Capital Suite 21 B
	14:15 - 16:00	MILSET Sub-Saharanw Africa Meeting	ADNEC, Capital Suite 21 C
	14:00 to 15:00	Booth Inspection	ADNEC, Halls 6,7, 8 & 9
	19:00 to 21:00	Dinner	Hotels
Tuesday September 24	19:00 to 22:00	VIP and Heads of delegations Gala dinner	Fairmont Bab Al BahrBy invitation
	06:00 to 08:00	Breakfast	Hotels
	9:00 to 16:00	ESI open to the Public	ADNEC, Halls 6, 7, 8, & 9
	10:00	Official Opening Parade of countries & Visit of the projects	ADNEC, Hall 9
	10:00 to 11:00	Lectures & Workshops	ADNEC, ESI Conference and Workshop Hall, Open to the public
	11:00 to 11:45	Lectures	ADNEC, ESI Conference and Workshop Hall, Open to the public
	12:00 to 12:45	Lecture	ADNEC, ESI Workshop Hall, Open to the public
	12:00 to 14:00	Lunch in ADNEC	ADNEC, Hall 11
	13:00 to 14:30	MILSET Vostok General Assembly	ADNEC Capital Suite 18
	14:00 to 16:00	MILSET Asia General Assembly	ADNEC, Capital Suite 20
	14:00 to 16:00	MILSET Amlat General Assembly	ADNEC Capital Suite 19
	14:30 to 16:00	MILSET Africa General Assembly	ADNEC Capital Suite 18
	16:30 to 20:00	City Tour Day 1	5 routes
	19:00 to 22:00	Dinner	Hotels

Date	Time	Time & Activities	Location
Wednesday September 25	06:00 to 08:00	Breakfast	Hotels
	8:00 to 9:00	MILSET Executive Committee	ADNEC, Capital Suite 21 A
	9:00 to 16:00	ESI open to the Public	ADNEC, Halls 6,7, 8 & 9
	9:30 to 11:00	MILSET General Assembly	ADNEC, Capital Suite 21 B & C
	10:00 to 11:00	Round Table Discussion & Lecture	ADNEC, ESI Conference and Workshop Hall Open to the public
	11:00 to 12:00	Lecture & Workshop	ADNEC, ESI Conference and Workshop Hall Open to the public
	11:00 to 12:00	MILSET Executive Committee	ADNEC, Capital Suite 21 A
	12:00 to 12:45	Lecture	ADNEC, Workshop Hall Open to the public
	12:00 to 14:00	Lunch	ADNEC, Hall 11
	13:30 to 16:00	MILSET Leader Congress - Lectures	ADNEC, Hall 7 - Conference Room
	16:30 to 20:00	City Tour Day 2	5 Routes
	19:00 to 22:00	Dinner	Hotels
Thursday September 26	06:00 to 08:00	Breakfast	Hotels
	9:00 to 16:00	ESI open to the Public	ADNEC, ESI Registration Desk
	9:00 to 9:45	Lecture	ADNEC, Workshop Hall Open to the public
	9:00 to 12:00	MILSET Executive Committee	ADNEC, Capital Suite 21 A
	10:00 to 10:45	Lectures	ADNEC, ESI Conference and Workshop Hall Open to the public
	11:00 to 11:45	Lectures	ADNEC, ESI Conference and Workshop Hall Open to the public
	12:00 to 12:45	Lecture	ADNEC, Workshop Hall Open to the public
	12:00 to 14:00	Lunch	ADNEC, Hall 11
	13:30 to 16:00	MILSET Young Citizens Conference on Artificial Intelligence (YCC)	ADNEC, Hall 7 - Conference Room Only accredited ESI participants
	16:00 to 17:30	Dismantle the projects	ADNEC, Halls 6, 7, 8, & 9
	19:00 to 21:00	Dinner	Hotels
Friday September 27	06:00 to 08:00	Breakfast	Hotels
	09:00 to 12:00	Booth set-up and performance rehearsals	ADNEC, ICC
	12:00 to 15:00	Lunch	Hotels
	15:00 to 18:00	Cultural Event	ADNEC, ICC
	18:00 to 19:00	Farewell Dinner	ADNEC, ICC
	19:00 to 22:00	Closing Ceremony	ADNEC, ICC
Saturday September 28	7:00 to 9:00	Breakfast	Hotels
	08:00-23:00	Free time to explore Abu Dhabi for late departures	
	12:00 to 14:00	Lunch	Hotels
	All day	Check out and transfer to the airport for departure	Hotels



WORKSHOPS, LECTURES AND ROUND TABLE DISCUSSIONS

15 Workshops, Lectures and Roundtable Discussions

As part of the ESI 2019 program, 15 workshops, lectures and round table discussions were organised, bringing together leading academics, professors and experts. The topics covered included: blockchain, robotics applications, robotics impact on biotechnology, smart cities, the use of virtual reality technology in media and many more exciting topics for aspiring scientists.



ESI 2019 SPEAKERS

14 HOURS OF LECTURES CONFERENCES



Mr Adnan Aljneibi
Transport Project Specialist
Department of Transport



Mr. Allen Herbert
Vice President of Business Development and Strategy
NanoRacks



Dr. Ali Al Naqbi
Director
Abu Dhabi Polytechnic



Dr. Cesare Stefanini
Associate Professor, Department of Biomedical Engineering
Khalifa University



Diyaa Benkhadra
Training & Development, EmiratesSkills
Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET)



Dr. Eleana Kafezat
Associate professor at the College of Technology and Innovation
Zayed University



John Kochanczyk
Post-Production Supervisor
Image Nation



Jorge Sotomayor
Lead Increment Scientist
International Space Station (ISS)
Johnson Space Center in Houston



Dr. Mohammad Jaradat
Associate Professor
Department of Mechanical Engineering
American University of Sharjah



Dr. Zakaria Maamar
Professor in the College of Technological Innovation
Zayed University



Dr. Murad Al Shibli
Head, Autonomous Systems Engineering Technology
Abu Dhabi Polytechnic



Dr. Sofia Ouhbi
Assistant Professor
Computer Science & Software Eng-(CIT)
United Arab Emirates University



Prof. Shafi Ahmed
Surgeon, teacher, futurist, entrepreneur
Royal London Hospital, St Bartholomew's Hospital - UK



Prof. Sulaiman A. S. Al-Zuhair
Professor, Chemical & Petroleum - (COE)
United Arab Emirates University



Ms. Omniyh Alhajeri
Lead Officer
Department of Transport



Dr. Addel Omar Al Ameri
Deputy Vice Chancellor,
Strategy and Future
Higher Colleges of Technology

PROGRAM

Day 1

24.09.2019

Start	End	Name of Lecturer	Type of Activities
10:00	10:45	Dr. Ali Alnaqbi	Lecture: Robotics
10:00	11:00	Mr. John Kochanczyk Mr. Asker Afaunov	Workshop: Virtual Reality Technologies in Media Production
11:00	11:45	Dr. Zakaria Maamar	Lecture: IoT in the Context of Smart Cities
11:00	11:45	Mr. Diyaa Benkhadra	Lecture: Artificial Intelligence and the future jobs
12:00	12:45	Dr. Addel Al Ameri	Lecture: Block chain

Day 2

25.09.2019

Start	End	Name of Lecturer	Type of Activities
10:00	11:00	Dr. Ali Alnaqbi Dr. Cesare Stefanini Dr. Mohammad Jaradat Dr. Murad Al Shibli	Round Table Discussion: Robotics Impact on Biotechnology
11:00	11:45	Dr. Mohammad Jaradat	Lecture: Robotics
11:00	12:00	Mr. Diyaa Benkhadra	Workshop: Create your first Machine Learning Project
12:00	12:45	Mr. Adnan Aljneibi	Lecture: Eco-friendly and low emission vehicles
13:30	16:00	Dr. Eleana Kafeza Mr. Allen Herbert Mr. Jorge Sotomayor Dr. Ali Alnaqbi	Leader Congress: How to engage youth in STEAM activities

Day 3

26.09.2019

Start	End	Name of Lecturer	Type of Activities
9:00	9:45	Dr. Sofia Ouhbi	Lecture: Connected Health
10:00	10:45	Mr. Diyaa Benkhadra	Workshop: Connect IOT devices to the cloud
11:00	11:45	Prof. Sulaiman A. S. Al-Zuhair	Lecture: Renewable Energy
12:00	12:45	Ms. Omniyh Alhajeri	Lecture: Smart and sustainable travel
13:30	16:00	Mr. Jorge Sotomayor	Young Citizens Conferences (YCC): Artificial Intelligence



LEADER CONGRESS



MILSET Leader Congress is a discussion platform to support educators, teachers and professors in providing the latest STEAM practices.

One hundred educators, teachers and professors participated in the MILSET Leader Congress, which is a discussion platform to support them in providing the best quality of STEAM education and promoting the various disciplines to youth.

In line with Abu Dhabi Vision 2030, ESI 2019 Abu Dhabi promotes skills development, training and education in STEAM fields to produce high-calibre teachers and future leaders and thinkers in the UAE and worldwide.

September 25, 2019, from 13:30 to 16:00

Time		Duration	Activity	Owner
13:30	13:35	5 min	Welcome words	Roberto Hidalgo
13:35	13:37	2 min	Introduction of the 1st Speaker (Jorge Sotomayor -NASA)	Reni Barlow
13:37	14:07	30 min	NASA -Promoting technology on youth speech	Jorge Sotomayor
14:07	14:11	4 min	Q&A	
14:11	14:16	5 min	Introduction of the 2 nd Speaker (Allen Herbert-Dream UP company)	Reni Barlow
14:16	14:41	25 min	Dream UP - Promoting technology speech	Allen Herbert
14:41	14:45	4 min	Q&A	
14:45	14:50	5 min	Introduction of the 3 rd Speaker (Dr. Eleana Kafeza)	Reni Barlow
14:55	15:20	25 min	Dr. Eleana Kafeza from Zayed University -Insight to Businesses using AI Techniques-based Data Analytics	Dr. Eleana Kafeza
15:20	15:24	4 min	Q&A	
15:24	15:29	5 min	Introduction of the 4th Speaker (Dr. Ali Alnaqbi)	Reni Barlow
15:29	15:54	25min	AD polytechnic - engage youth in STEAM activities	Dr. Ali Alnaqbi
15:54	16:00	6 min	Q&A	

YOUNG CITIZENS CONFERENCES



MILSET Young Citizens Conferences (YCC) is dedicated to the views and concerns of youth regarding the social impact of science and technology on the modern world,

MILSET Young Citizens Conferences (YCC) is dedicated to the views and concerns of youth regarding the social impact of science and technology on the modern world, gathering their voices from every part of the globe and encouraging them to actively enter the discussion.

YCC 2019 was part of ESI 2019 program, where delegates discussed this year's theme of Artificial Intelligence and how it will impact society in the future.



September 26, 2019, from 13:30 to 16:30

Time		Duration	Activity	Owner
13:20	13:30	10 min	Participants enter into the hall	
13:30	13:33	3 min	Opening	MC Ksenia Salnikova
13:33	13:38	5 min	Welcome words	Mr Roberto Hidalgo
13:38	14:08	30min	Artificial Intelligence as part of our life	Jorge Sotomayor, Lead Increment Scientist, International Space Station (NASA)
14:08	14:13	5 min	Discussion session	MC Ksenia Salnikova
14:13	15:00	47 min		
15:00	16:00	1 hr	Presentation	
16:00	16:20	20 min	Conclusion	

- Debate
- 155 applications
- 33 countries
- 100 selected ESI participants. The selection was made by a jury based on students' motivation.
- Participants age 15 to 25
- 15 Roundtables

YCC PARTICIPANTS

ARGENTINA | JUAN ANDRES DEGRA. PILAR MIGUEL. FELIPE PILLICHODY. GREGORIO TOMÀS KHAMIS ALNOAIMI. **BRAZIL** | JOÃO VICTOR SILVA PEREIRA. ALÉXIA DE JESUS DORNELES PEREIRA. RAMOS. **CZECH REPUBLIC** | ALEŠ SOCHA. **COLOMBIA** | ANA MILENA RAMIREZ MARIN. NA. NICOLÁS EDUARDO MEJÍA FERNÁNDEZ. JAVIER ERNESTO AVILA MARIN. **CANADA** | BREN-
| PATRICIA BELÉN. OLIVARES CASTILLO. ALEJANDRO FRANCISCO LETELIER NARITELLI. BAIRON ALEXAN-
RICA | KARINA GONZÁLEZ PÉREZ. DANIELA AGUILAR GOMEZ. **FRANCE** | ABAD INES. BUISSON
UND. CHRYSOULA DROSSA. JULIA MANN. **INDONESIA** | ANTON HENDRA KUSUMA. MUCHAM-
JORDAN | ABDAL RAHMAN IBRAHIM WAJEEH IBRAHIM. **LUXEMBOURG** | NICCOLO HURST.
HONG WONG. KOC CHENG IN. WONG PUI MAN. **KUWAIT** | YOUSIF ALKANDARI. AHMAD MOHAM-
JOSÉ AYALA SERRANO. VANESSA RIVERO KELISEK. MARCOS EZEQUIEL CERVANTES CASTRO. **PARA-**
ROCHE ESCOBAR. BIANCA ALESSANDRA PANIAGUA AQUINO. MAURIZIO JOSÉ MELIS. MARCOS RODOL-
| LEONOR BATISTA. ANA MACHADO. DIANA HENRIQUES. FRANCISCO PINTO. **RUSSIA** | MAKSIMO-
ILIA EVGENEVICH. **SAUDI ARABIA** | BELAL ABDULAHAD TURKESTANY. **SLOVENIA** | KRIS-
TUNISIA | NOUR BETTAIEB. MEHDI ABDELJELIL. JAOUHER DRIDI. **TURKEY** | EMRE KILIC.
HI, NAYEF SALEM OBAID **ZIMBABWE** | RUTENDO ASHLEY MHURUYENGWE, WILSON DYLAN

CIGANDA AZCARATE. ORIANA GRASSO. **AUSTRIA** | PETERKA SEBASTIAN. **BAHRAIN** | ZAIN
SOFIA RODRIGUES DE SOUZA LEO ARAUJO. BRUNA PALMEIRA SANTOS. FELLIPE CÉSAR DE SANTANA
FAJID FARID. FIGUEROA HERNANDEZ. ANDREA PAOLA MERLANO TERÁN. CAMILA GUTIÉRREZ CARMO-
DON MATUSCH. ANNA VOIA. SARAH CHOI. SOPHIE MARIA MACDONALD. FAWZAN HUSSAIN. **CHILE**
DER SALAZAR SALAZAR. JOSEFA SOFÍA. HERNÁNDEZ LILLO. LIA DELIA ARANCIBIA MESAS. **COSTA**
OCEANE. PAULET ARTHUR. **GERMANY** | RADEK DOBRY. ANNIKA HEROLD. CHRISTOPHER FRE-
AD RAVI RAMADHANI. MOCHAMAD SUTRIMO RAHARJO. PONCO SUKASWANTO. AHMAD YOGASWARA.
VAN BOMMEL BARCIA OSCAR. KOORY LUKAS UHRUP. **MACAU, CHINA** | IAN KIT WONG. CHI
MAD. **CZECH REPUBLIC** | ALEŠ SOCHA. **MEXICO** | KARLA XIMENA GIRÓN ARIAS. MARÍA
GUAY | CARLOS DANIEL OZUNA BENITEZ. ERNANDO RENE MOLINAS FRANCO. MARA GIANNINA
FO ZARACHO PANIAGUA. **ROMANIA** | GELU-STEFAN STOICA. LEU VLAD DANIEL. **PORTUGAL**
VA EKATERINA SERGEEVNA. KOSOLAPOV IVAN OLEGOVICH. SHAFALINOV IVAN. ZUSIN BORIS. CHUB
TJAN STOPAR. **SOUTH AFRICA** | LEANNE RADEMEYER. **SWITZERLAND** | PIUS SIEBER.
ÖZGÜR OGULCAN YANAR. DILA ÇIGDEM. **UNITED ARAB EMIRATES** | NOORA ANWA-
CHAPOKA

CITY TOURS

Outside the main event, all participants enjoyed city excursions on September 24 and 25. They got to explore the key tourist attractions, shopping malls and the breathtaking Abu Dhabi beachfront. From the iconic Sheikh Zayed Grand Mosque, to Yas Marina Circuit, the meeting place of F1 champions, our young guests experienced the diverse destinations within our capital city.



10

City Tours



SEP. 24

16:00 to 20:00

Route 1

Emirates Palace - Marina Mall

300 Guests

16:00 to 20:00

Route 2

WTC and the Souk - Abu Dhabi Cornich

200 Guests

16:00 to 20:00

Route 3

ADNEC - Sheikh Zayed Grand Mosque - Hotels

150 Guests

16:00 to 20:00

Route 4

Gold Souq - Madinat Zayed

600 Guests

16:00 to 20:00

Route 5

Yas Marina Circuit

250 Guests

SEP. 25

16:00 to 20:00

Route 1

Yas Mall

300 Guests

16:00 to 20:00

Route 2

Sheikh Zayed Grand Mosque

150 Guests

16:00 to 20:00

Route 3

ADNEC - Qasr al Hosn - Hotels

450

16:00 to 20:00

Route 4

Gold Souq - Madinat Zayed

300 Guests

16:00 to 20:00

Route 5

WTC and the Souk - Abu Dhabi Cornich

300 Guests

UAE IN THE SPACE



ESI 2019 witnessed the ambitious vision of the UAE's Founding Father, the late Shiekh Zayed Bin Sultan Al Nahyan, coming to life with the historic journey of the first Emirati astronaut into the space.

500 international and UAE young participants assembled in Al Maareed Hall at ADNEC to observe with much pride the successful launch of Emirati astronaut Hazzaa Al Mansoori into space, as he embarks, with his colleagues, on their journey to the International Space Station.

This huge day for UAE coinciding with ESI 2019 was both glorious to the nation and inspirational for the youth attending and participating in ESI. For our ambitious scientists we say "The sky is your limit".



CULTURAL EVENT



Promoting cross-cultural dialogue and understanding was at the heart of the cultural night, which was organised on the last day of ESI 2019 to allow these

1875 brilliant young people to connect beyond their shared interest in science

and explore together what they have in common as individuals, with many shared views and opinions, regardless of their diverse backgrounds.

International participants showcased their local music, dance, food and crafts, while they sampled Emirati food and enjoyed traditional activities, such as henna drawing, falconry, horse and camel riding. The night climaxed with a Harbya band performance; the art of 'Harbya' is a popular way to celebrate the heritage of UAE through poetry, and displays of courage and strength.

THE ESI 2019 CULTURAL EVENT AT A GLANCE



19

performances
on stage



40

booths (39
international
participants from 35
countries) and 3 for
UAE.



COUNTRY PERFORMANCES

Emirati and International participants showcased
their local music, dance, food and crafts



BELARUS, BRAZIL, CHILE, COSTA RICA, CZECHIA, GEORGIA, INDONESIA, KUWAIT, MACAO SAR CHINA, MEXICO, NIGERIA, PARAGUAY, PORTUGAL, RUSSIA, SAUDI ARABIA, SLOVAKIA, ZIMBABWE, UAE

COUNTRY BOOTHS

ALGERIA, AUSTRIA, ARGENTINA, BOSNIA-HERZEGOVINA, BRAZIL, CANADA, CHILE, COLOMBIA, FRANCE, GERMANY, GUATEMALA, INDIA, INDONESIA, IRAN, JORDAN, KAZAKHSTAN, KENYA, LATVIA, LUXEMBOURG, MEXICO, OMAN, PERU, POLAND, ROMANIA, RUSSIA, SOUTH KOREA, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UKRAINE, UAE, MACAO SAR CHINA.

05



73,000

square meters, ADNEC is the largest exhibition center in the Middle East and the ideal venue for an international event such as ESI 2019.

Abu Dhabi National Exhibition Centre (ADNEC)

Abu Dhabi National Exhibition Centre (ADNEC) was the chosen location for hosting ESI 2019. The Exhibition Center was opened by the President of the UAE and Ruler of Abu Dhabi, His Highness Sheikh Khalifa bin Zayed Al Nahyan, in 2007. Since ADNEC is the largest exhibition centre in the Middle East with 73,000 square meters of exhibition space, then, the Centre has welcomed over 1.5 million visitors and hosts over 300 events every year. From large-scale public shows such as the Abu Dhabi Book Fair to international trade exhibitions such as The World Future Energy Summit, the International Defense Exhibition-IDEX,

Abu Dhabi International Petroleum Exhibition & Conference – ADIPEC and WorldSkills Abu Dhabi 2017. ADNEC is the leading venue for national and regional public and trade events.

With 12 state-of-the-art fully connected exhibition halls, the Atrium and the Concourse total 73,000 square meters, ADNEC is the largest exhibition center in the Middle East and the ideal venue for an international event such as ESI 2019. The flexible, flat-floored, interconnected halls offer endless possibilities for all types of exhibitions and events; these facilities are complemented by extensive event services including imaginative conference and banqueting facilities.

ESI LAYOUT

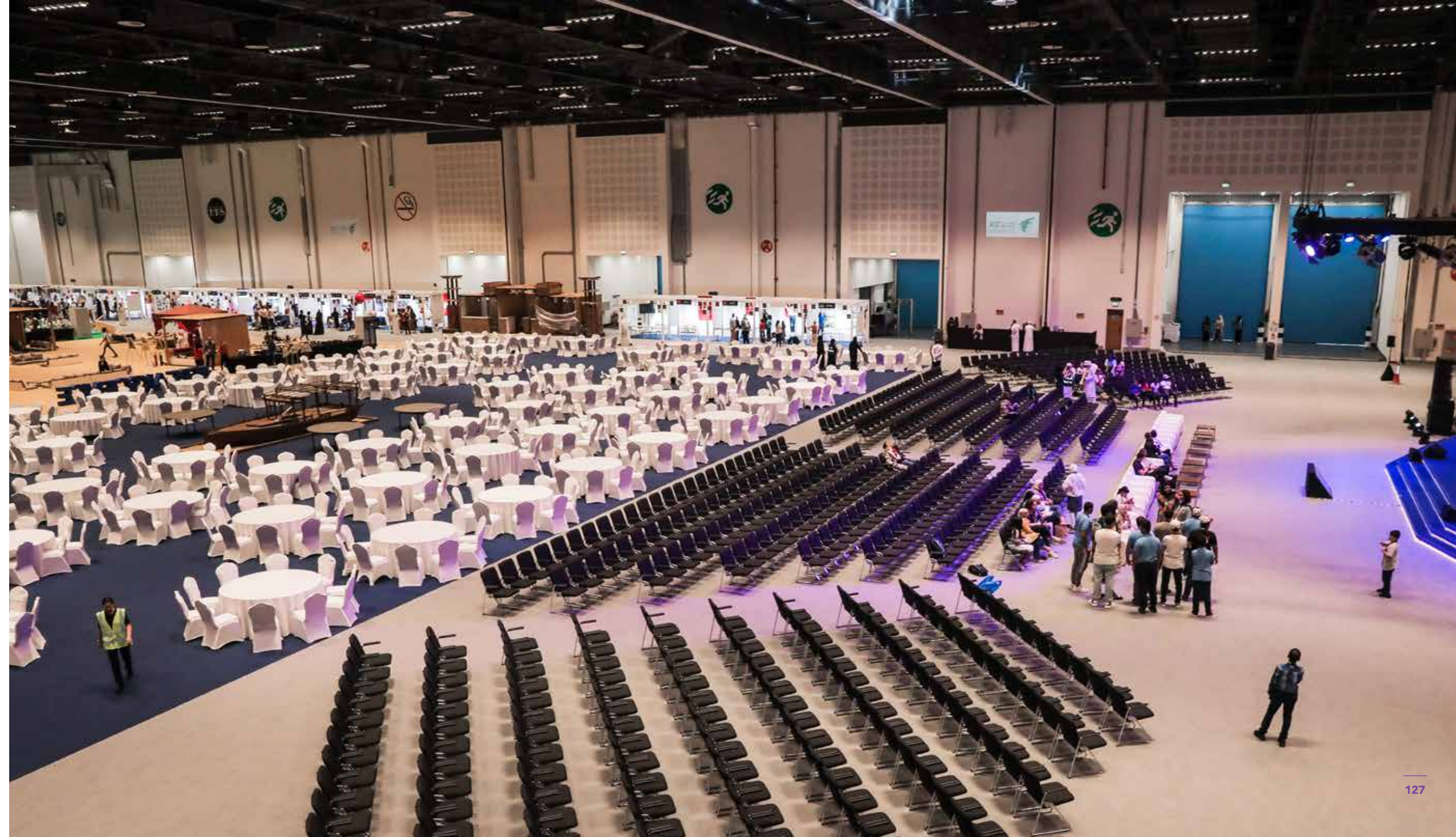
25,822 sqm. Expo space

Considering our experience from the previous ESI we hosted in Abu Dhabi in 2013, we built our ESI 2019 layout based on the anticipated participation numbers. Our layout plan had to be adjusted to ADNEC Halls 6, 7, 8, & 9.

Conference and Workshop areas were purposely designed and equipped with the required multimedia technology, audio and visual. They were centrally located in the middle of the Expo to give wide accessibility to all visitors and participants.

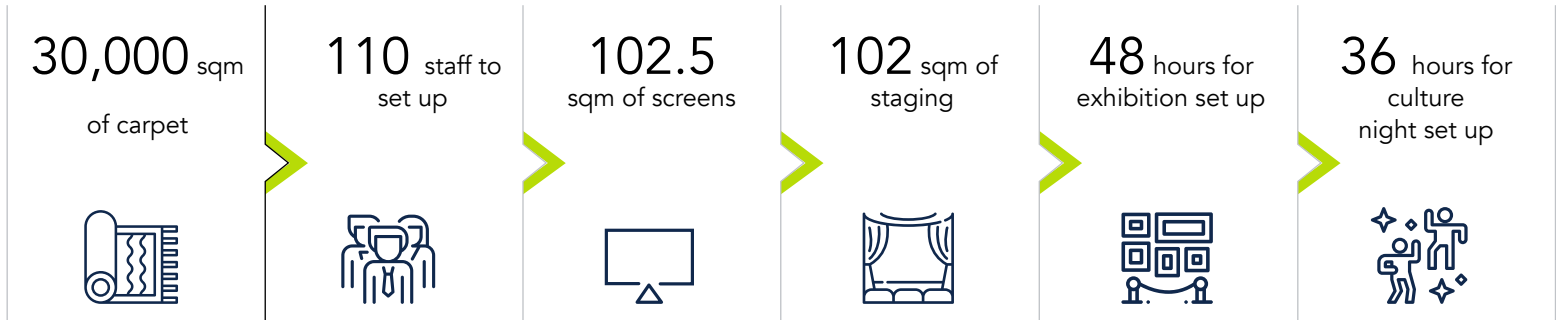
Partners and sponsors stands were designated an area close to the entrance of ESI 2019 for maximum visibility and expanded networking opportunities.

Considering the fact that ESI 2019 was the greatest MILSET Expo Science International ever, distribution of the participant booths into the Expo 13 categories and the variable number of booths in each category was one of the largest challenges. Along with the overall expo layout, the internal layout of the booths, the booth numbers, country flag of the participant and the name of the project needed to be defined early on before calling our layout final.



HIRING SUPPLIERS TO BUILD ESI 2019

Based on the layout, ACTVET hired an architecture project development company, which had the most important scope of responsibility, the build of ESI 2019, including the architecture designs, technical records, monitoring the implementation of the buildup, and assembly of the areas. Considering the grandeur of the project, it was crucial to hire the buildup company three months in advance, providing sufficient time for the production and assembly processes to take place. 700 (3 x 3 mts) exhibition booths.



ESI FLOORPLAN



In just 4 days, ADNEC halls were transformed from empty shells into a theatre for talent and innovation. 13 areas for different scientific disciplines became ready for 3 days to show the world the latest discoveries, researches, theories and inventions of the elite young scientists coming from around the globe to ESI 2019.

- 1. Earth Science
- 2. Engineering
- 3. Biology
- 4. Chemistry
- 5. Environmental Analyses and Environmental Management
- 6. Behavioral and Social Sciences
- 7. Computer Science
- 8. Medicine and Health
- 9. Physics & Astronomy
- 10. Mathematical Science
- 11. Technology and Biotechnology
- 12. Energy and Transport
- 13. Electric and Mechanical Technology

SIGNAGE



1490Km2 of printing nearly 36% the size of Dubai



2000+ Graphic Designs



900 Flags for booths



850 Booth names



700 Fingerboards



57 Hanging flags (2x1.3m)



13 Hanging categories banners (2x1.3m)



40 Cultural event banners



2135 Badges



06



SOCIAL MEDIA

Events are, after all, social. And social media is a primary tool to promote almost any type of event, especially if it is targeted at youth.

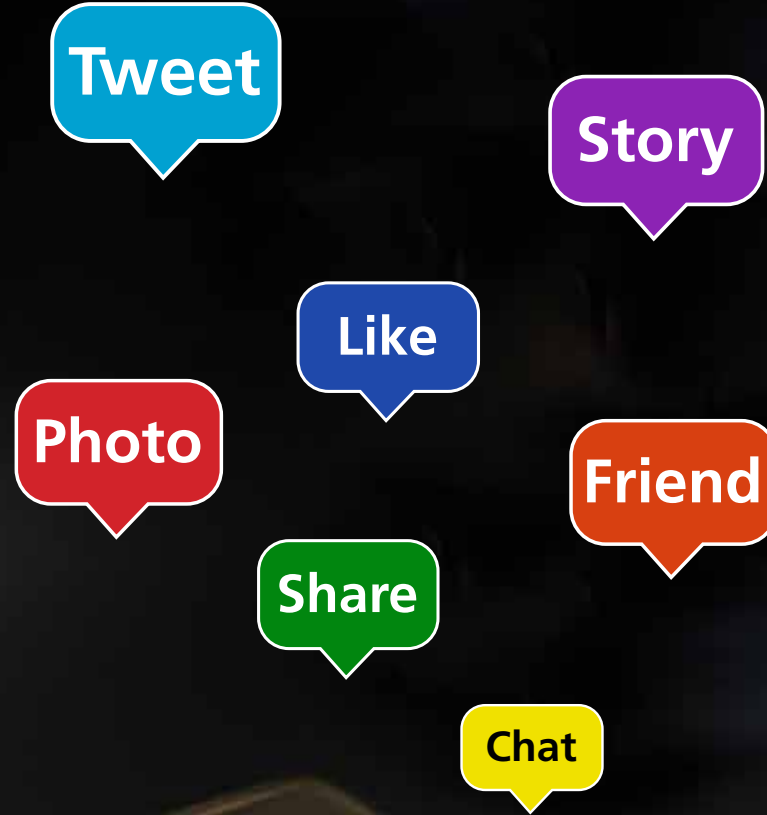
ESI 2019 utilised Facebook, Twitter and Instagram to engage participants long before they arrived in Abu Dhabi by showcasing the various event components, program, and the cultural and sightseeing activities that awaited them.

Total organic impressions across the campaign exceeded 5,885,311 which is the number of people who have seen the posts through unpaid distribution.

The social media campaign for ESI 2019 started in May 2018 and below are some of its key highlights:



WE ATTRIBUTE ESI 2019 DYNAMIC ENGAGEMENT ON SOCIAL MEDIA TO THE SUPPORT OF OUR HIGHLY REGARDED INFLUENCERS



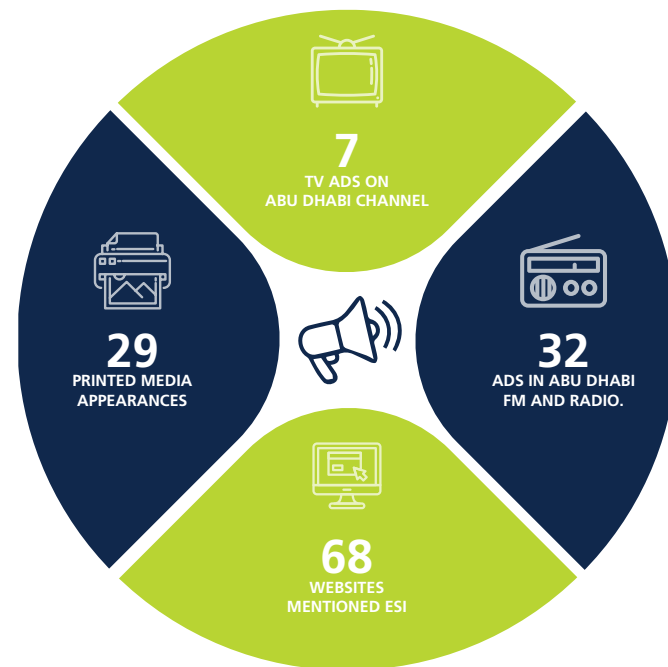
أنس الحميري | إبراهيم الذهلي | إبراهيم الزعابي | أحمد الحمادي
أحمد الرميثي | أمل الحمادي | بدر الشمري | ثانيا المزروعي
جاسم الشحيمي | جمعة البلوشي | حسين العامري | حسين الفردان
خالد السويدي | سالم سعيد الحريقي | سعود المصعبي
سعيد عبد الله الخوري | شاهين البشر | شهد العبدولي
صباحة الرميثي | ظاهر المهيري | عبد الله آل علي | عبد الله النياي
عبد الله بن دفنا | عبد الله سهيل الراشدي | محمد الجابري
محمد بن هويدن الكتبي | معضد الرميثي | منذر المزكي
منيرة عبد الله | ندى الرئيسي | هادي بن شمالان | يوسف الكعبي

MEDIA

Traditional media also played an important role in raising the profile of ESI 2019 among Abu Dhabi residents and the event secured more than 50 pieces of print and broadcast coverage across local and international media.

May 2019 Media Coverage

started



Posters and videos started to show on screens in Schools and Universities

- Khalifa University
- Zayed University in Dubai and Abu Dhabi
- ATHS/STS schools around UAE
- ADVETI
- Abu Dhabi Polytechnic

ESI promotional video was displayed all around UAE

- Yas Mall
- Deerfields Mall
- ADNOC Stations 10 in AD and 10 in Al Ain
- Hazza Bin Zayed Stadium in Al Ain
- DOT Buses
- 11 Hotels
- AD Police Service centers
- NQA
- AD Media TV ad
- AD Media Office
- AD Coop
- ADNEC

ESI was promoted through national and official media channels

- Ministry of Education
- Abu Dhabi Media Office
- Alittihad Newspaper
- AD Police HQ
- Qasr Alhosn
- Education Media Center
- ADVETI
- UAE Forsan
- Al Ain 4u
- ENEC
- Student Council of AD Poly

To increase community awareness of ESI 2019 the campaign included the distribution of 1000 iftar boxes during the month of Ramadan

07



SPONSORSHIP AND PARTNERSHIP



Sponsors and Partners had a key role to play in the delivery of ESI 2019. The value we received goes beyond the large monetary contribution made by the sponsors and the partners. It was rather the opportunity to engage the UAE educational communities attracting schools, universities and STEAM organizations to partake in ESI 2019 and show the world how UAE is precedent in the STEAM fields. The monetary and the in-kind contributions had a big role in minimizing the financial investments required by ACTVET to organize ESI 2019.

Our Partnership and sponsorship methodology had some objectives:

Promote STEAM education as a first stepping-stone towards building a culture of innovation along with partner companies as incubators.

Strengthen relationships between the stakeholders and STEAM Educational leaders by creating a platform for networking and an opportunity for the science dialogue to take place between global and local partners.

The strategy for attracting sponsors for ESI 2019 was based on a "Dual Matrix" which consisted of Value-In-Kind contributions (services)

Financial contribution (money to compensate the investments performed by ACTVET towards ESI 2019).

ESI being organized in Abu Dhabi is a matter of interest to all governments and private sectors operating in UAE. Engaging a diverse range of partners and sponsors was an objective to be achieved by ESI Higher organizing Committee. ACTVET capitalized on the strong partnerships they built with corporate sponsors and educational partners whose support would add status to the event. The value of these partnerships must go both ways, hence, ACTVET ensured that this engagement was strategically beneficial for the partners and the sponsors of ESI 2019, enabling them to be promoted as investors in the future of innovation or leaders in the STEAM research and education in UAE or globally.

Areas of support were identified in order to reach this goal:

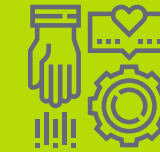
- Cash contributions
- Engagement support, Emirates Foundation extended support to ESI by calling upon UAE participants to take part in ESI 2019 required cooperation and support from different youth and educational partners
- Transport (buses, vehicles, drivers and transportation management)
- Media Support from Abu Dhabi media at no cost
- Excursions and city tours for delegates in collaboration with Tourism and Cultural authorities and other points of attractions in Abu Dhabi
- Activities support providing cultural event elements and logistics for the cultural event.
- Marketing, advertising, media, and promotion sites in and around Abu Dhabi
- Volunteering support, manpower
- Volunteers accommodation
- Guest speakers for the conferences and workshops

24 sponsors and partners divided into categories helped us deliver ESI 2019:



CASH SPONSORSHIP

AED 3,565,000



IN-KIND SPONSORSHIP
TO FULFIL TECHNICAL REQUIREMENTS

AED 1,210,000



IN- KIND SPONSORSHIP – TO ENHANCE ESI

AED 1,925,000



TOTAL

AED 6,700,000

ESI 2019 SPONSORS

Premium Sponsor الراعي المميز



Platinum Sponsor الراعي البلاتيني



Energy Sponsor راعي الطاقة

Community Partner شريك المجتمع



الشريك الشريك الإعلامي

الناقل الرسمي

شريك المجتمع - مركز النقل المتكامل

شريك الأمن والسلامة المجتمعية



شركاء التعليم

شريك تنمية الشباب



شركاء التوعية

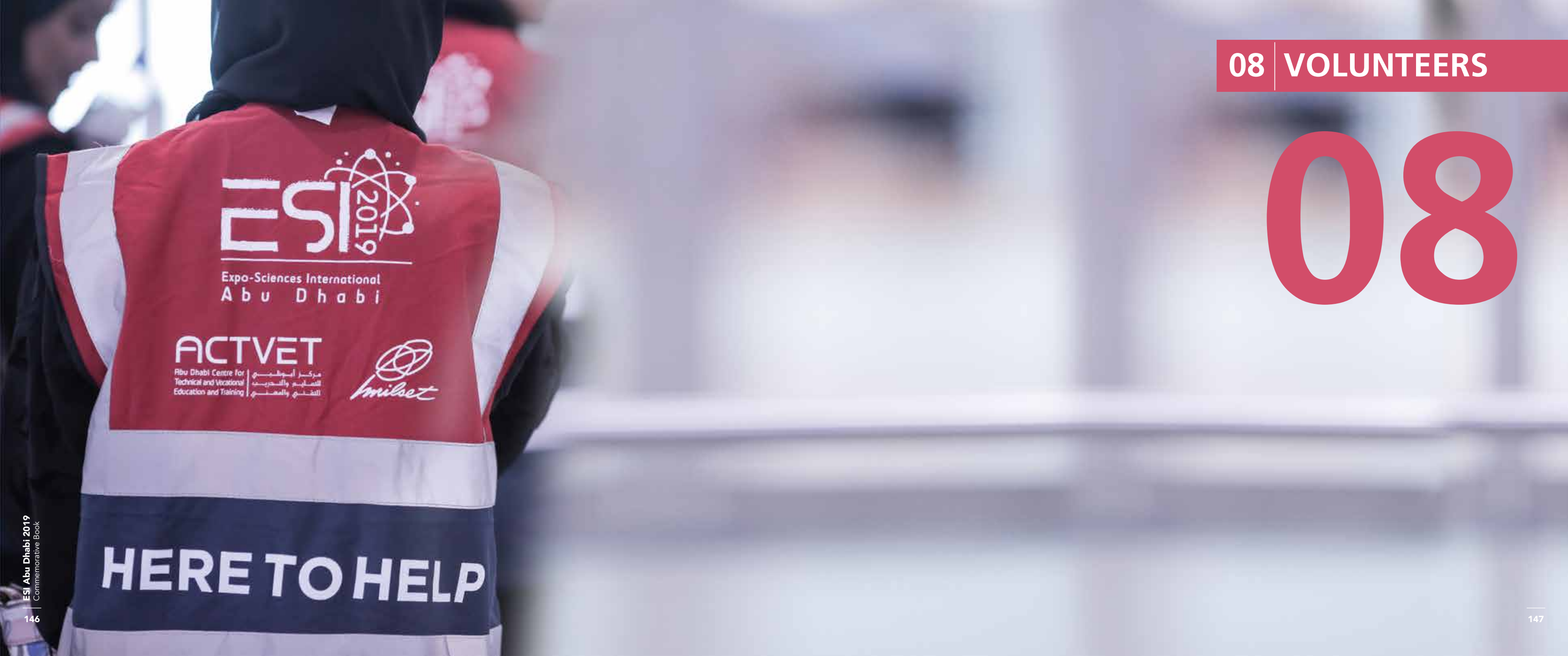
الداعمين

شركاء الإعلام الرقمي

راعي الأنشطة



08



764
VOLUNTEERS

VOLUNTEERS

604

UAE
volunteers

158

Country
Friends

2

International
volunteers

ACTVET promotes, supports, values, and encourages volunteering in all of its events.

The goal of the Volunteer Program was to structure and implement teamwork and solidarity concepts during ESI 2019.

Over 764 volunteers including students from schools, universities, youth foundation as well as international volunteers worked tirelessly over two weeks to support ESI 2019. From meeting delegations at the airport arrivals, and assisting with settling them at their accommodation, to providing on-the-ground support at the event and acting as tour guides, the contribution of our volunteers has been invaluable!

The volunteers selected were part of a team that worked on the delivery of ESI 2019. They were involved in every aspect of ESI including registration, welcoming, supporting the delegations and visitors as well as assisting the marketing and communications coordination during the event.

The main functions were welcoming and guiding the participating delegations; assisting students from primary and secondary schools during the guided visits; answering questions about

the Expo, organizing the flow of people in the Lunch area; helping with general information and guidance for all participants. The work shifts went from five, eight, ten or twelve hours per day between 22 and 28 September, at the event venue. In addition to the team who worked on the registration of ESI one month before the event, a group of international volunteers with previous experience flew to Abu Dhabi one week before the event to help put together the final pieces of ESI 2019.

The volunteers were provided with transportation, meals, accommodation for those accompanying the delegations, uniform and a volunteering certificate.

One of the great highlights of the volunteer work was the country friends who welcomed and guided the delegations. Most of these volunteers had prior experience with the culture of the delegation, they were working with assisting participants during their stay in Abu Dhabi.

24,896

Volunteering Hours



09



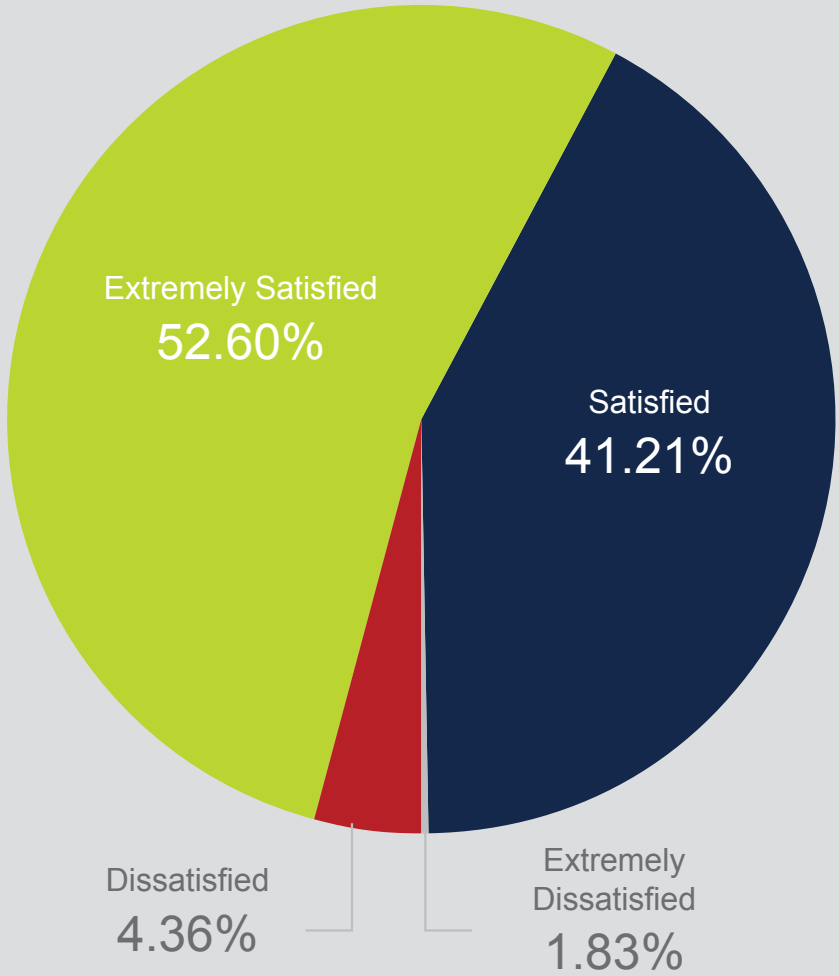
SURVEYS ESI ABU DHABI 2019

For ESI Abu Dhabi 2019, ACTVET, through its Quality Assurance conducted a series of surveys with the assistance of FAZAA students from the ACTVET volunteering program. ACTVET, has a strategic goal for hosting ESI 2019 which is increasing the percentage of students intake in the TVET system to 40% against 60% in the general education stream in UAE. Hence, the surveys were designed to measure the impact of hosting ESI 2019 in Abu Dhabi on increasing the community awareness about STEAM education in the TVET system. This study measured students and parents’ improved understanding of the importance of teaching STEAM subjects in TVET system and the wide career choices the graduates of TVET system have. The results of the surveys also provided a thorough feedback and impressions from different audiences. In this report, we gathered a summary of the results of the four surveys implemented during and after ESI 2019:

1. Visitors Survey
2. Side activities Survey
3. UAE Participants survey
4. International Participants Survey



OVERALL VISITIORS’ SATISFACTION WITH ESI 2019



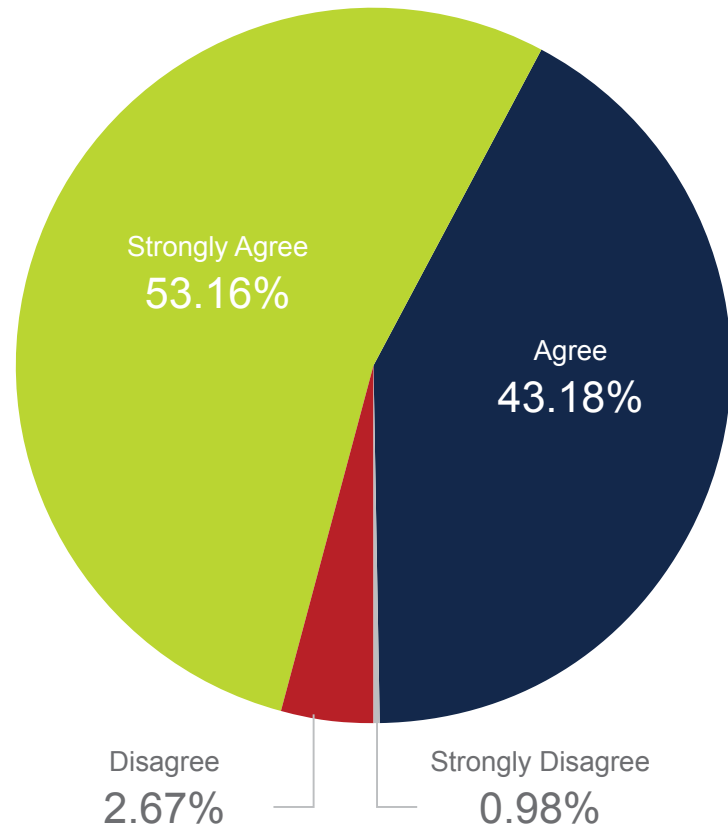
93.81%

Visitor satisfaction

Visitor Survey for ESI 2019, Abu Dhabi

- 96.34 % of the visitor responded that ESI 2019, Abu Dhabi has increased Applied Technology (Science, Technology, Engineering, the Arts and Mathematics) subjects among the youth of this country.

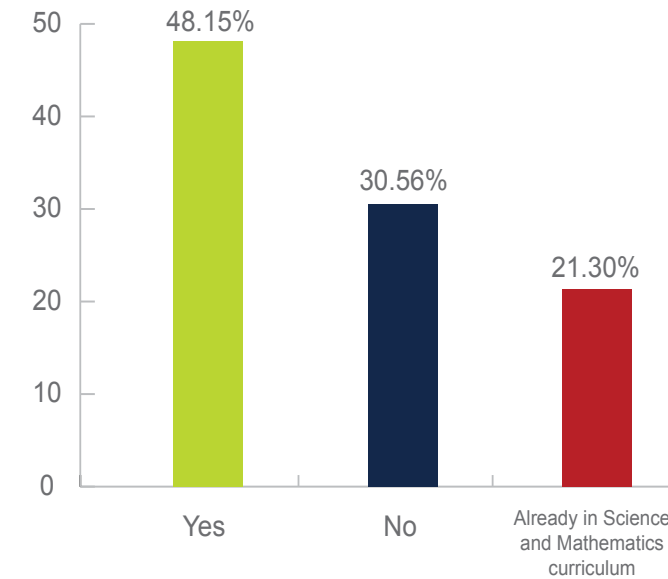
ESI 2019, ABU DHABI HAS INCREASED STEAM AWARENESS (SCIENCE, TECHNOLOGY, ENGINEERING, THE ARTS AND MATHEMATICS) AMONG THE YOUTH OF THIS COUNTRY.



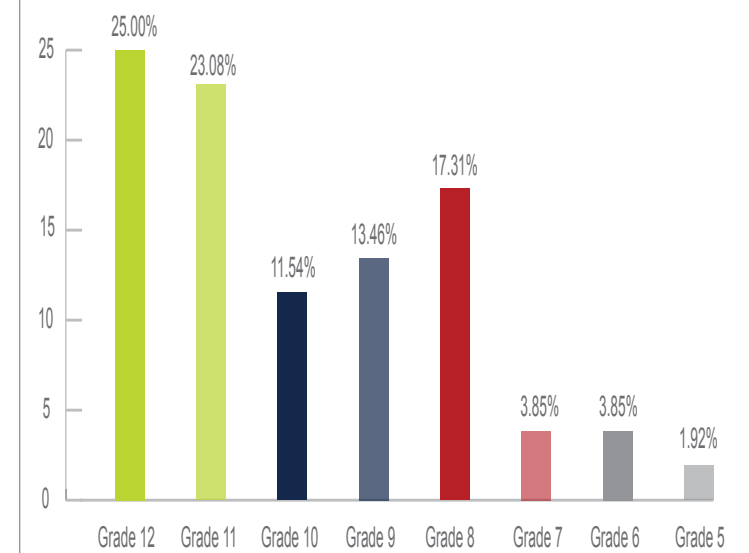
■ Strongly Agree
 ■ Agree
 ■ Disagree
 ■ Strongly Disagree

- 48% of the UAE National Students studying outside ACTVET System are willing to move to Applied Technology. 21.30 % students are already in Science Stream
- 31 % of the UAE National Students who study outside ACTVET System are willing to move to Applied Technology. 51% students are already in Science Stream.

STUDENTS WILLING TO JOIN ACTVET SYSTEM – UAE NATIONAL STUDENTS (OUTSIDE ACTVET SYSTEM)



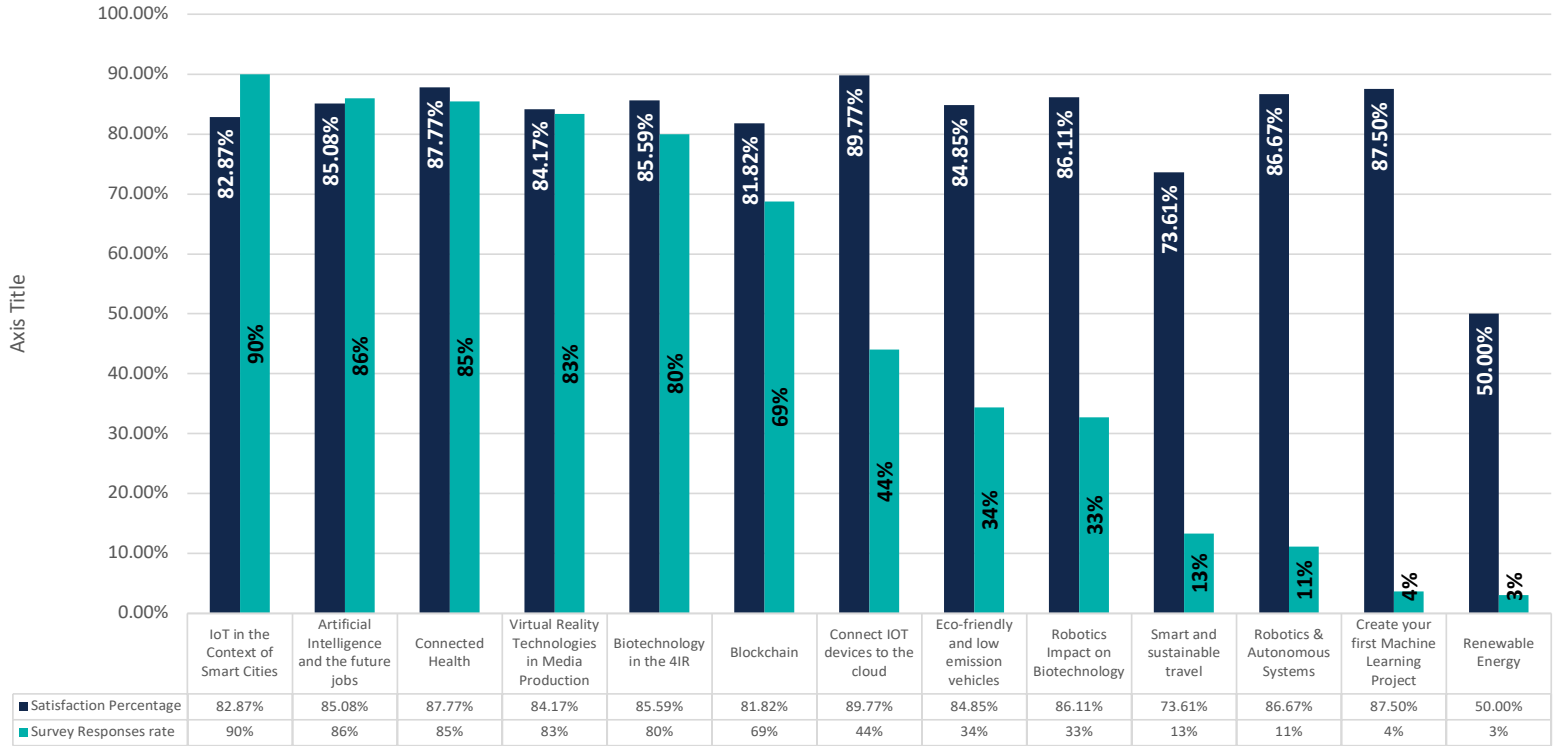
% OF UAE NATIONAL STUDENTS OUTSIDE ACTVET SYSTEM WILLING TO MOVE TO TVET SYSTEM **BY GRADE**

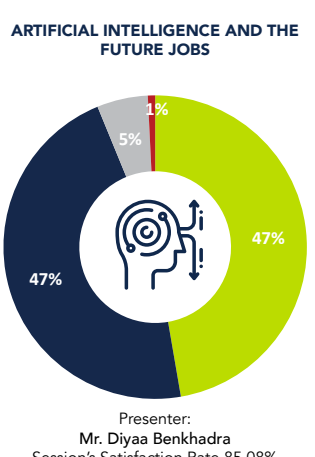
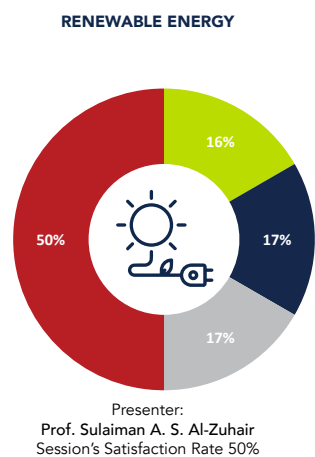
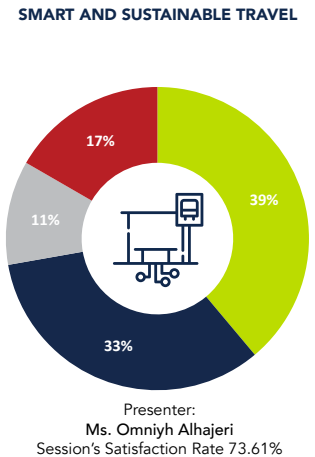
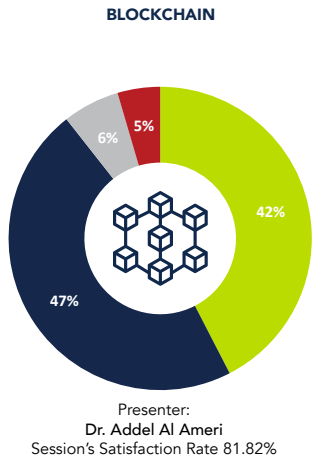
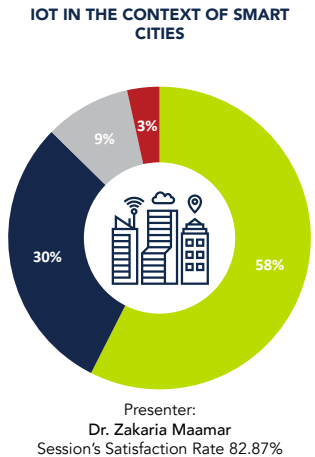
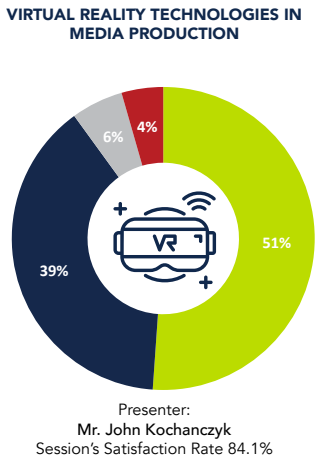
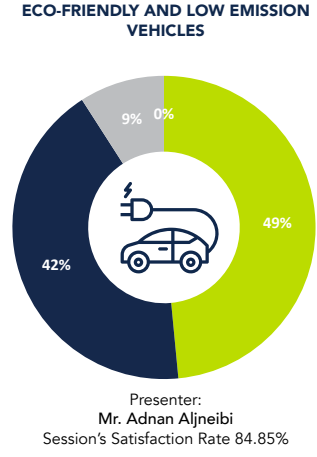
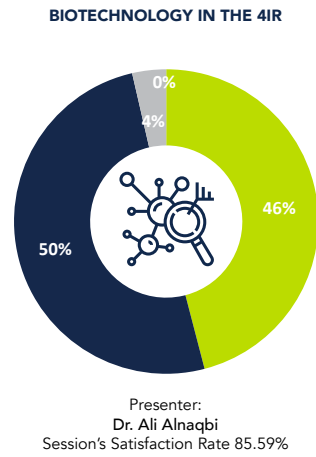
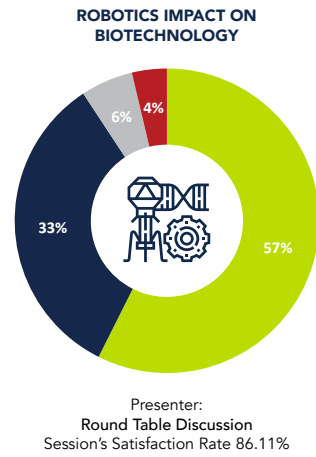
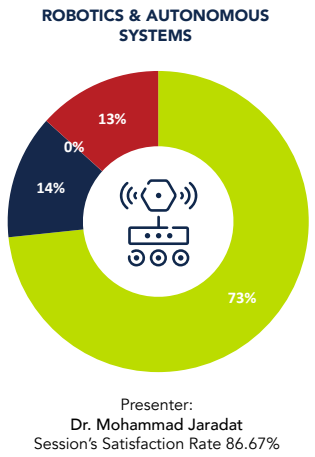
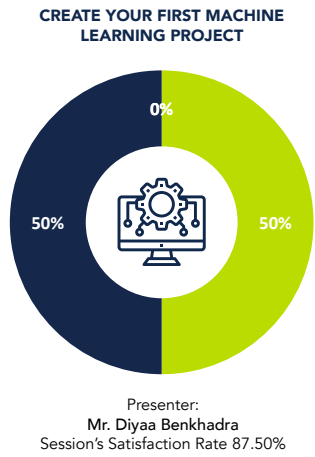
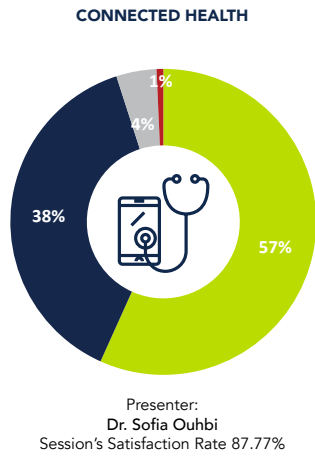
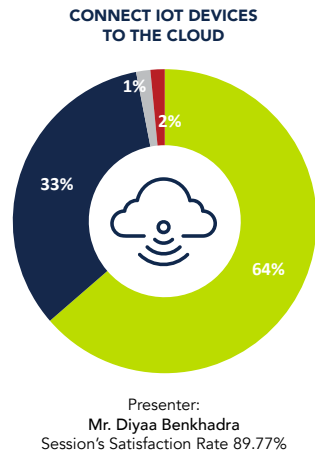


SUMMARY OF SIDE ACTIVITIES SURVEY

Presenter Name	Session Title	Attendees	No of survey participants	Satisfaction Percentage	Survey Responses rate
Mr. Diyaa Benkhadra	Connect IOT devices to the cloud	50	22	89.77%	44%
Dr. Sofia Ouhbi	Connected Health	55	47	87.77%	85%
Mr. Diyaa Benkhadra	Create your first Machine Learning Project	55	2	87.50%	4%
Dr. Mohammad Jaradat	Robotics & Autonomous Systems	45	5	86.67%	11%
Dr. Ali Alnaqbi Dr. Cesare Stefanini Dr. Mohammad Jaradat Dr. Murad Al Shibli	Robotics Impact on Biotechnology	55	18	86.11%	33%
Dr. Ali Alnaqbi	Biotechnology in the 4IR	45	36	85.59%	80%
Mr. Diyaa Benkhadra	Artificial Intelligence and the future jobs	50	43	85.08%	86%
Mr. Adnan Aljneibi	Eco-friendly and low emission vehicles	32	11	84.85%	34%
Mr. John Kochanczyk	Virtual Reality Technologies in Media Production	36	30	84.17%	83%
Dr. Zakaria Maamar	IoT in the Context of Smart Cities	20	18	82.87%	90%
Dr. Addel Al Ameri	Blockchain	32	22	81.82%	69%
Ms. Omniyh Alhajeri	Smart and sustainable travel	45	6	73.61%	13%
Prof. Sulaiman A. S. Al-Zuhair	Renewable Energy	65	2	50.00%	3%

SATISFACTION RATE VS RESPONSE RATE





Extremely Satisfied Satisfied Dissatisfied Extremely Dissatisfied

Extremely Satisfied Satisfied Dissatisfied Extremely Dissatisfied

ESI 2019 – UAE PARTICIPANTS FEEDBACK



UAE SUPERVISOR RESPONSES

	Highly Satisfied		Highly Dissatisfied		NA			
Questionnaire	1	2	3	4	5	Total	%	
My experience with ESI 2019, Abu Dhabi registration process.	14	15	0	0	0	29	89.66	
I received adequate information & communication in advance for ESI 2019, Abu Dhabi	11	15	3	0	0	29	85.52	
My experience at ESI 2019, Abu Dhabi will help my school motivate youth to be involved in STEM	18	11	0	0	0	29	92.41	
My experience at ESI 2019 Abu Dhabi has helped to connect my school with youth STEM/STEAM organizations in other countries	12	15	2	0	0	29	86.90	
ESI Side activities (Workshops, Lectures, YCC & Leader Congress) enriched my experience	9	12	1	0	7	29	71.03	
Attending the ESI 2019, Abu Dhabi Cultural Booths helped me to interact and exchange information with the International participants	12	12	0	0	5	29	77.93	
I thoroughly enjoyed attending the Cultural event and the Closing ceremony	12	12	0	0	5	29	77.93	
Overall, how do you rate your overall ESI 2019, Abu Dhabi experience?	13	16	0	0	0	29	88.97	
	101	108	6	0	17	29	83.79	



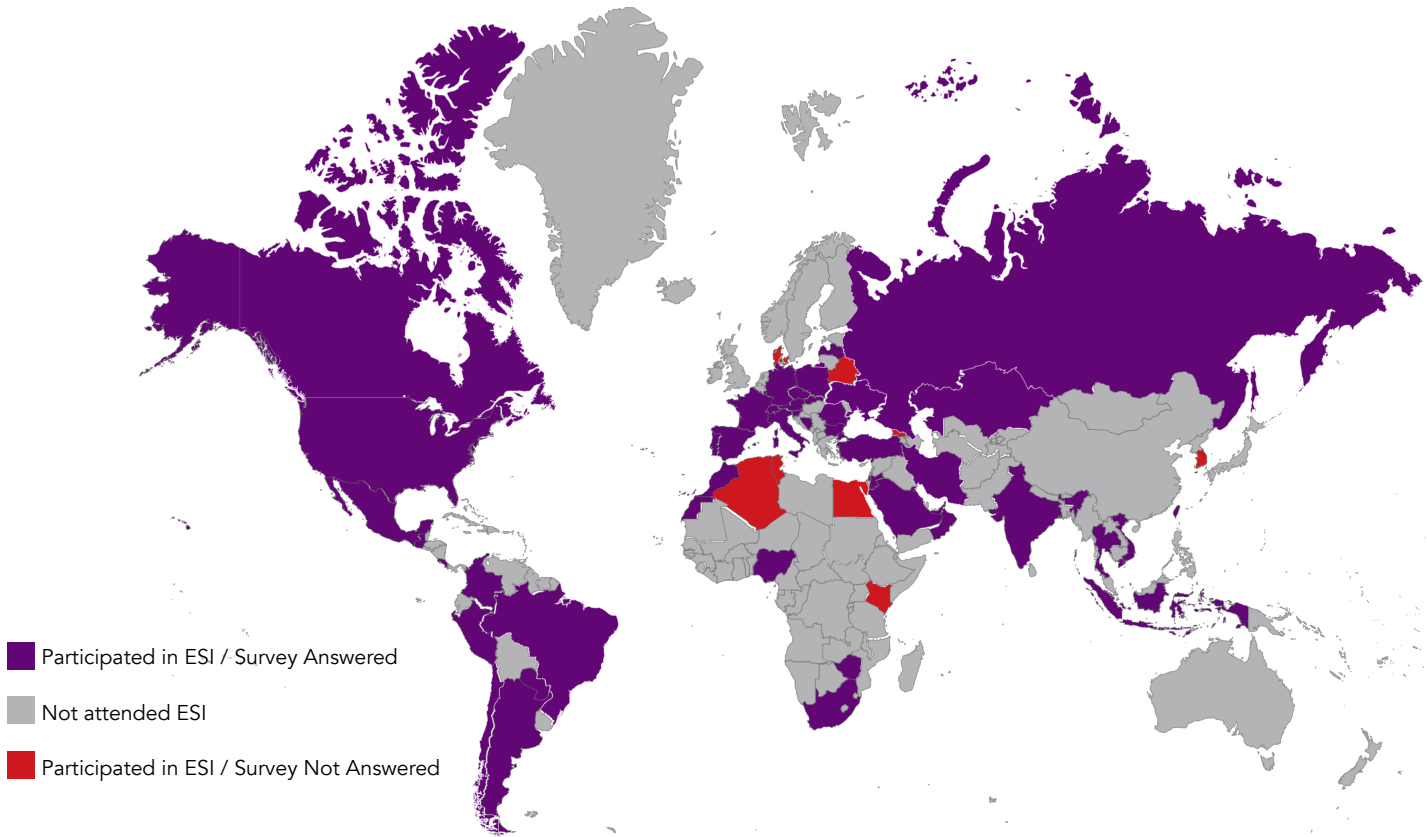
UAE PARTICIPANT RESPONSES

	Highly Satisfied		Highly Dissatisfied		NA		
Questionnaire	1	2	3	4	5	Total	%
My experience with ESI 2019, Abu Dhabi registration process.	45	17	5	1	0	68	91.18
I received adequate information & communication in advance for ESI 2019, Abu Dhabi	38	23	5	2	0	68	88.53
My experience at ESI 2019, Abu Dhabi will help my school motivate youth to be involved in STEM	40	25	1	2	0	68	90.29
My experience at ESI 2019 Abu Dhabi has helped to connect my school with youth STEM/STEAM organizations in other countries	39	21	7	1	0	68	88.82
ESI Side activities (Workshops, Lectures, YCC & Leader Congress) enriched my experience	31	15	5	0	17	68	72.65
Attending the ESI 2019, Abu Dhabi Cultural Booths helped me to interact and exchange information with the International participants	47	16	1	0	4	68	90.00
I thoroughly enjoyed attending the Cultural event and the Closing ceremony	47	8	1	2	10	68	83.53
Overall, how do you rate your overall ESI 2019, Abu Dhabi experience?	45	20	2	1	0	68	92.06
	332	145	27	9	31	68	87.13



PARTICIPATION SURVEY

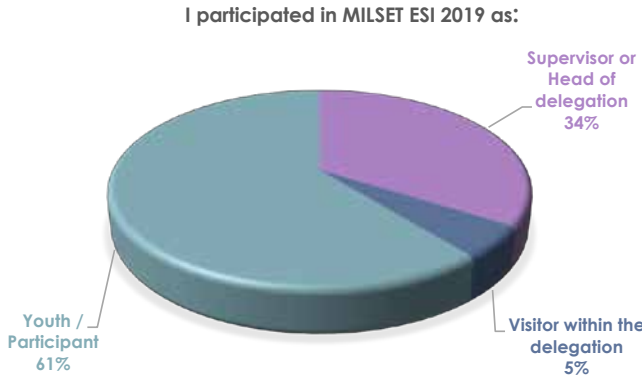
The survey was answered by 212 people from 48 countries, that represent 18 % of the total attendees, and 84% of the total of countries who attend ESI 2019, showed in the following map



Based on the number of answers per country allocated in each MILSET regions, the distribution is :

AFRICA	AMLAT	ASIA	EUROPE	NORAM	VOSTOK
3.77%	40.09%	13.21%	24.06%	12.74%	6.13%

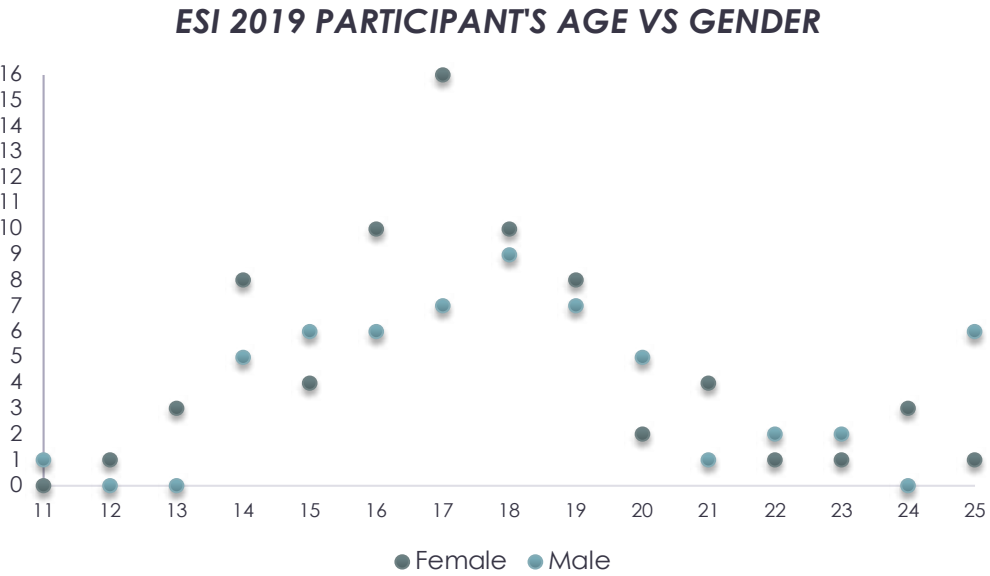
I PARTICIPATED IN MILSET ESI 2019 AS:



The answers received related to the status, and ages of participation during the ESI 2019 were:

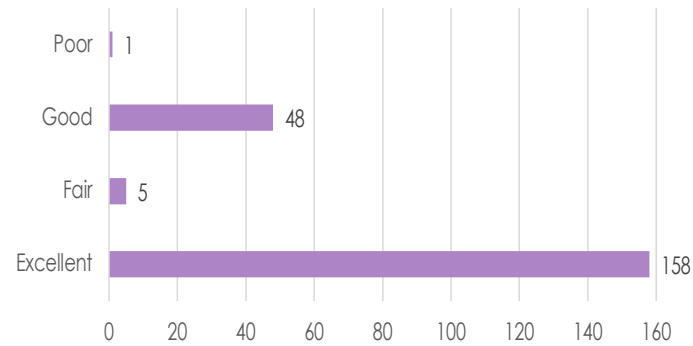
	Female	Male	Total
Supervisor or Head of delegation	36	36	72
Visitor within the delegation	6	5	11
Youth / Participant	72	57	129
Total	114	98	212

HOW WERE YOU INFORMED ABOUT MILSET ESI 2019?

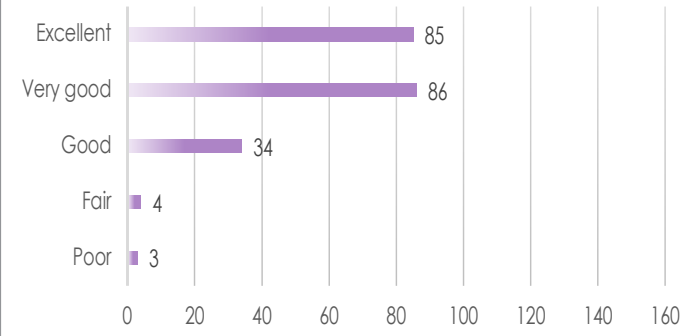


Age	Female	Male
11	0	1
12	1	0
13	3	0
14	8	5
15	4	6
16	10	6
17	16	7
18	10	9
19	8	7
20	2	5
21	4	1
22	1	2
23	1	2
24	3	0
25	1	6

OVERALL, MY EXPERIENCE AT MILSET ESI 2019, ABU DHABI WAS:

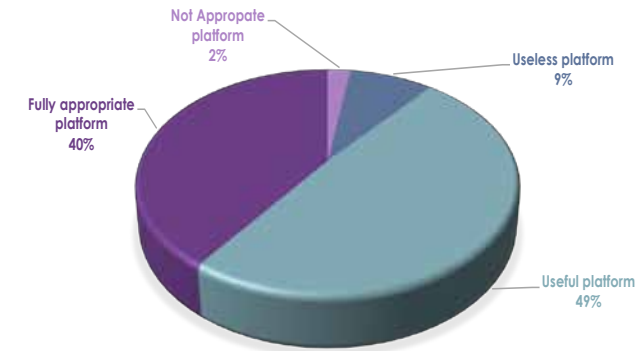


I WOULD DESCRIBE THE INFORMATION I RECEIVED THROUGH THE MILSET REGISTRATION SYSTEM AS

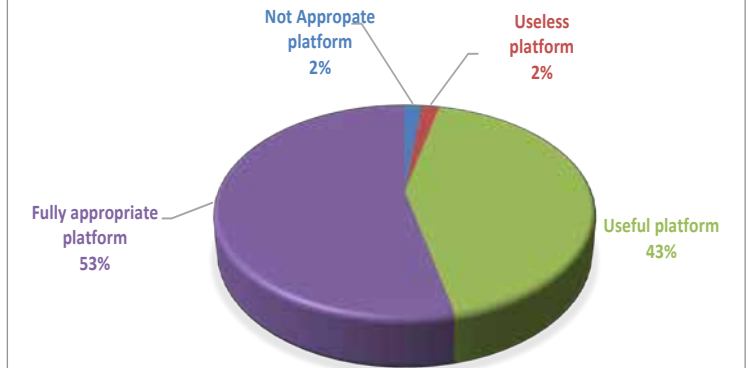


THE COMMUNICATION CHANNELS DURING MILSET ESI 2019, ABU DHABI WAS:

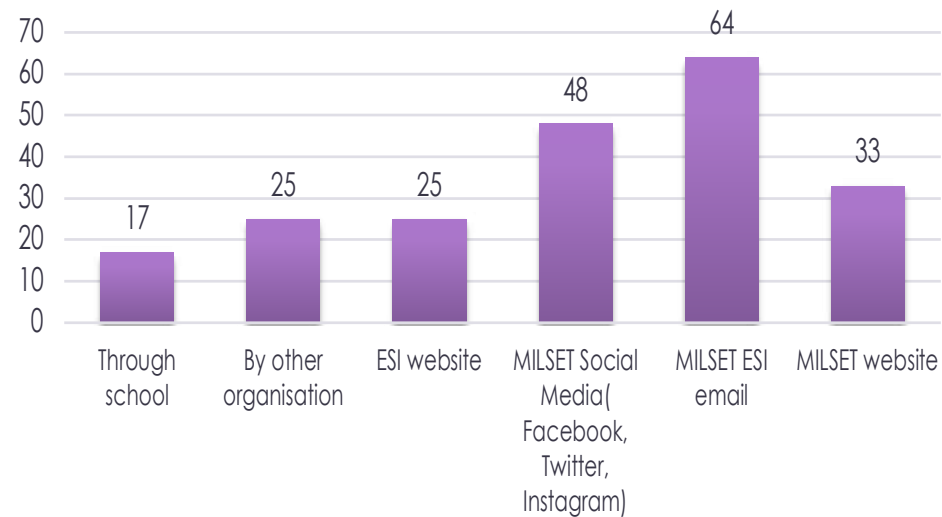
ESI WEBSITE



ESI MAILING



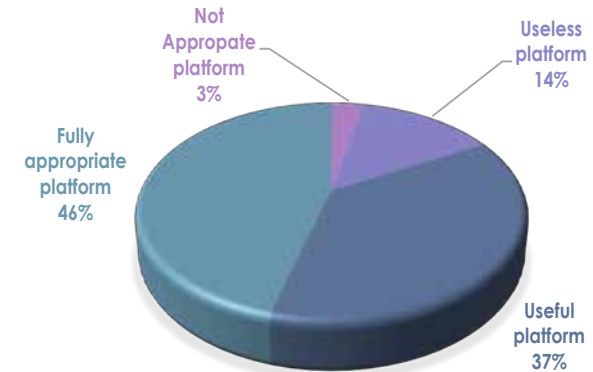
HOW WERE YOU INFORMED ABOUT MILSET ESI 2019?



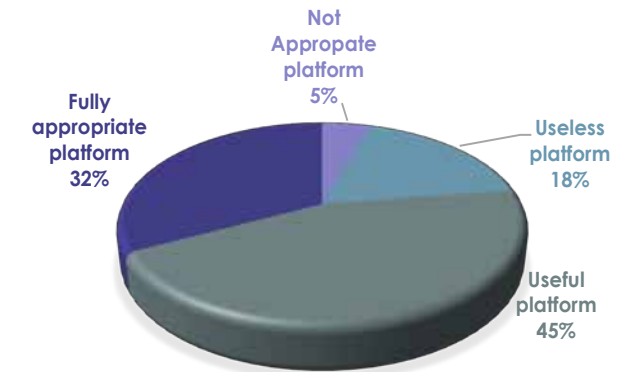
Other Organizations:

- By ministry of education
- ExpoSciences México
- FAST
- FENECIT
- HCIE
- Imbewu Science Foundation
- Junior Academy of Science of Ukraine
- MILSET ROMANIA
- Mostratec
- Quebec Aboriginal Science Fair
- Red Arcytco
- Redcolsi
- Solydeus
- YSC
- Zimbabwe Science Fair

SOCIAL MEDIA (FACEBOOK, TWITTER, INSTAGRAM)

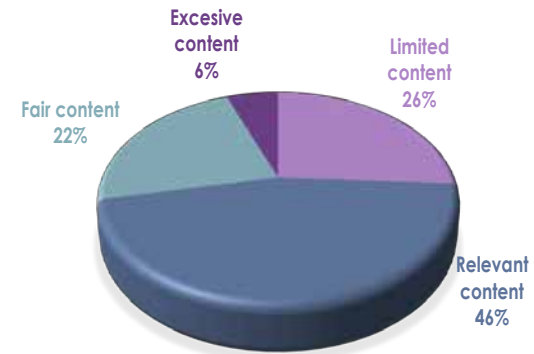


WHATSAPP GROUP

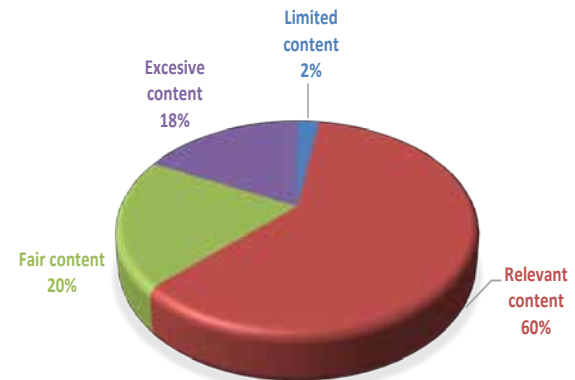


THE INFORMATION SHARED BY THE COMMUNICATION CHANNELS WAS:

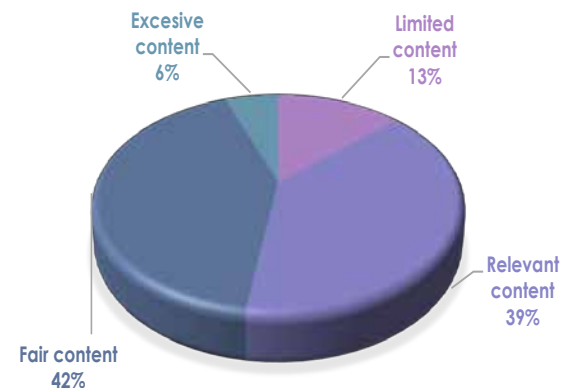
ESI WEBSITE



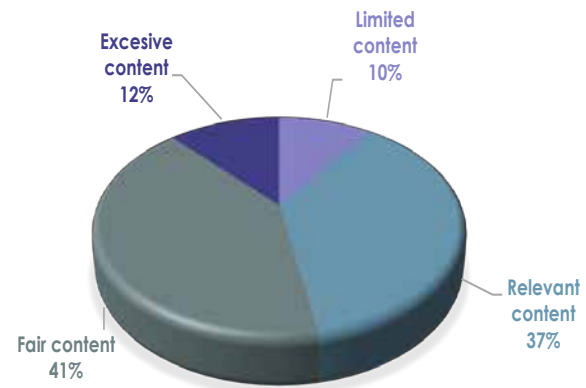
ESI MAILING



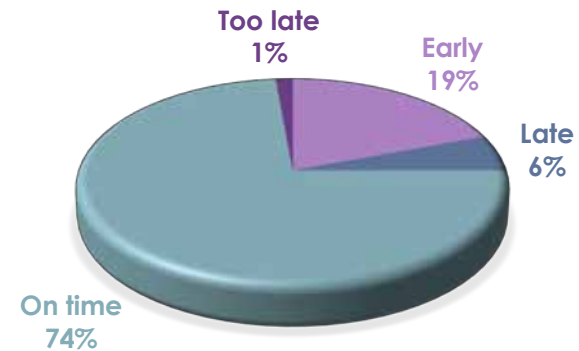
SOCIAL MEDIA (FACEBOOK, TWITTER, INSTAGRAM)



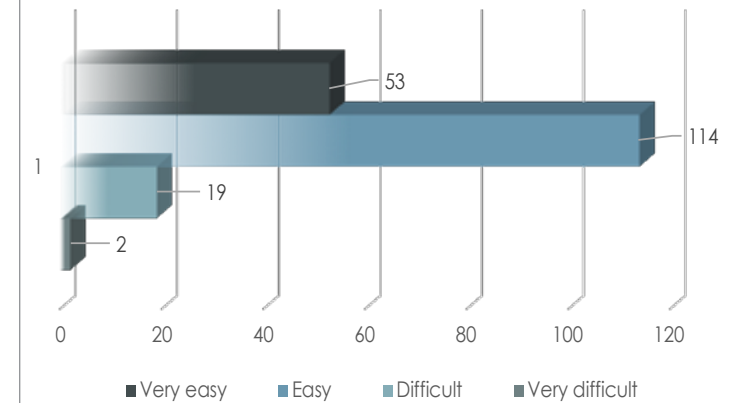
WHATSAPP GROUP



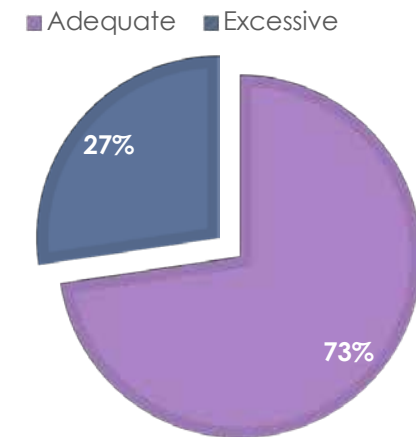
I CONSIDER THE INFORMATION RECEIVED ABOUT ESI 2019 WAS :



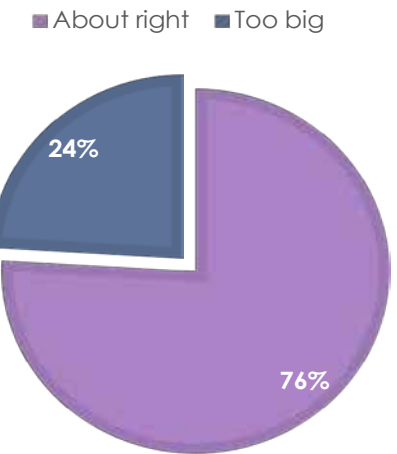
MY EXPERIENCE USING THE MILSET ESI REGISTRATION SYSTEM WAS



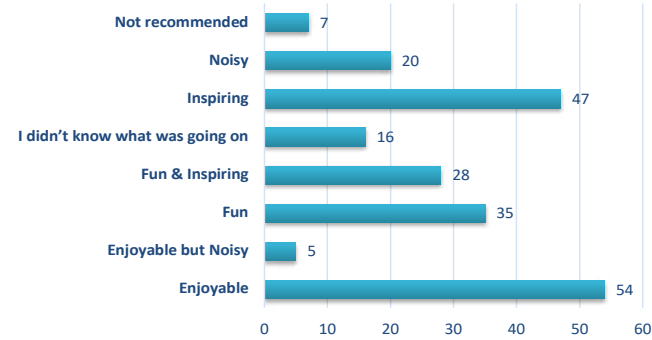
I THINK 13 PROJECT CATEGORIES WERE:



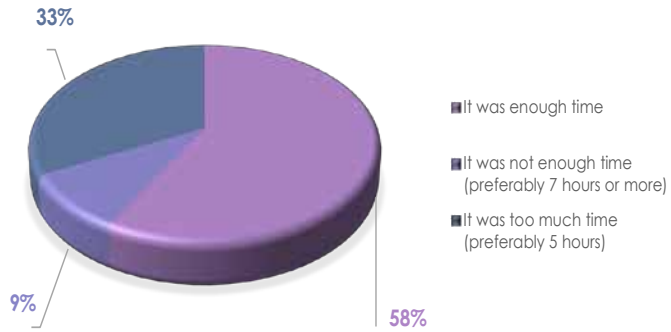
HOW DO YOU RATE THE SIZE OF THE BOOTHS (3M X3M)?



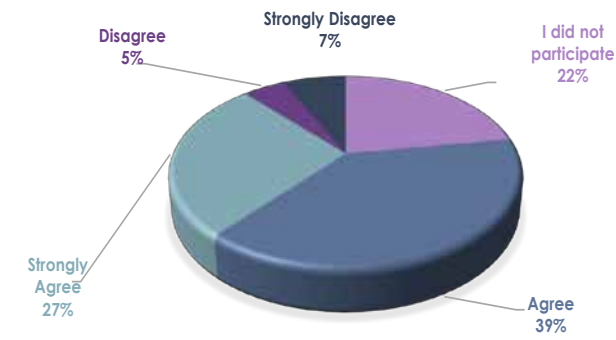
SELECT THE WORDS THAT DESCRIBE THE PARADE OF NATIONS DURING THE OPENING CEREMONY.



DURING ESI 2019 THE PROJECTS WERE SHOWCASED 6 HOURS PER DAY. HOW DO YOU CONSIDER THE EXHIBITION TIME?



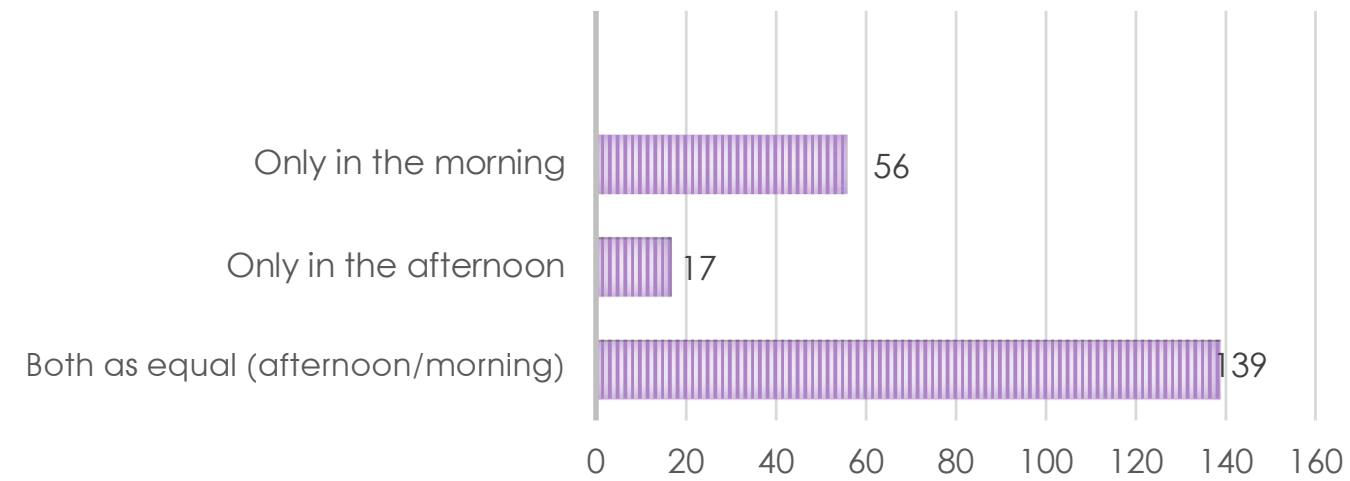
ESI SIDE ACTIVITIES ENRICHED MY EXPERIENCE (YCC, WORKSHOPS, LECTURES)



PLEASE RATE THE CITY TOURS THAT YOU PARTICIPATED IN :



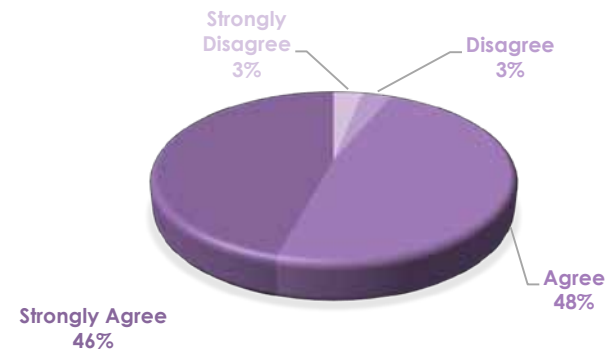
I CONSIDER PUBLIC VISITS TO THE EXHIBITION HALL MUST BE:



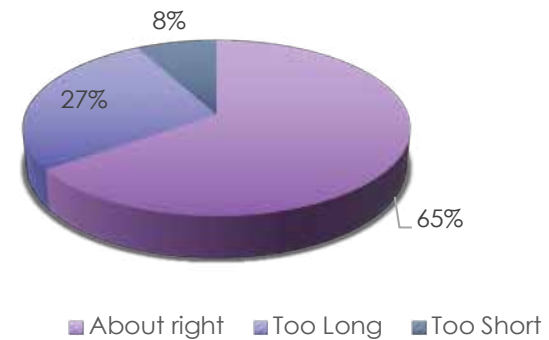
SECTION OF PARTICIPANT'S ANSWERS

The following questions were answered only by participants

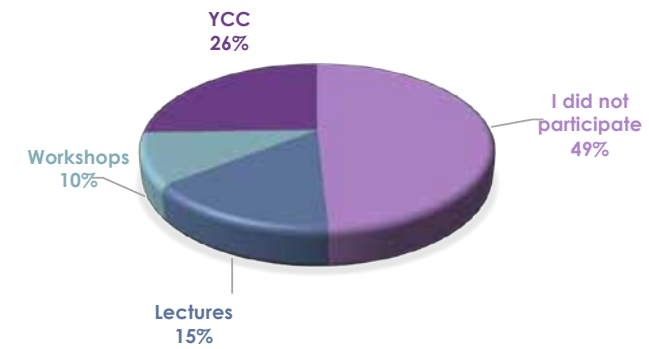
ESI MADE IT ENJOYABLE FOR ME TO SHARE MY PROJECT WITH OTHER PARTICIPANTS AND VISITORS



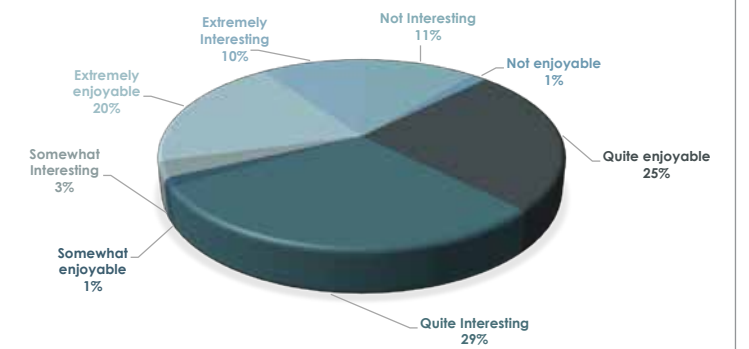
PLEASE RATE THE AMOUNT OF TIME YOU WERE SCHEDULED TO BE AT YOUR BOOTH



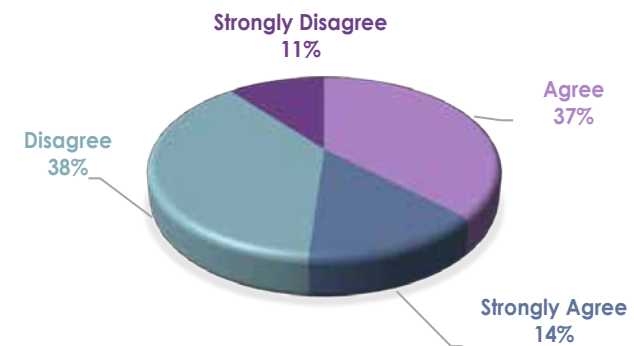
PLEASE SELECT ALL THE ACTIVITIES IN WHICH YOU PARTICIPATED



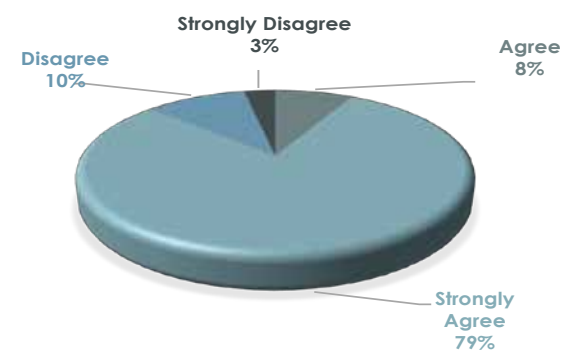
PLEASE RATE THE YCC ACTIVITY AND CONTENT



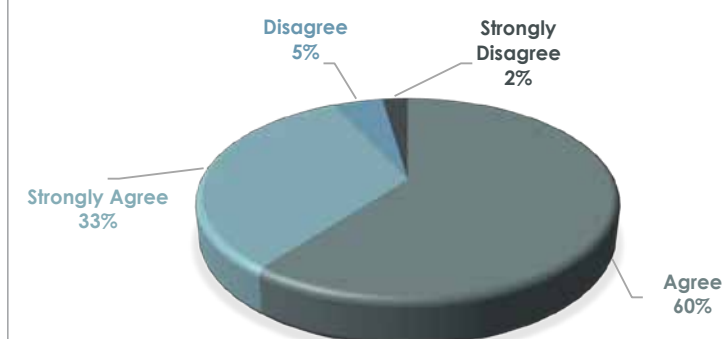
I HAD ENOUGH TIME TO VISIT OTHER PROJECTS



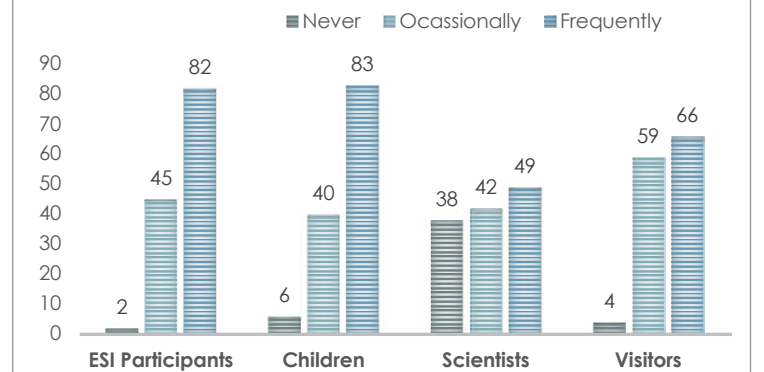
WOULD IT BE NECESSARY FOR THE FUTURE TO ADD SOME TIME TO VISIT OTHER PROJECTS AND TO INTERACT WITH OTHER STUDENTS?



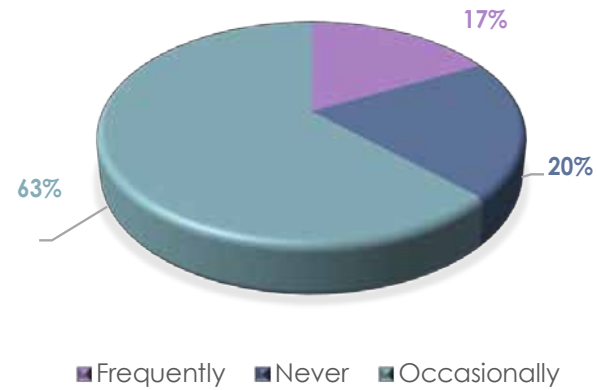
DID THE YCC FORMAT ALLOW YOU TO EXPRESS YOUR VIEWS, EXCHANGE OPINIONS AND FIND NEW IDEAS ON THE TOPIC?



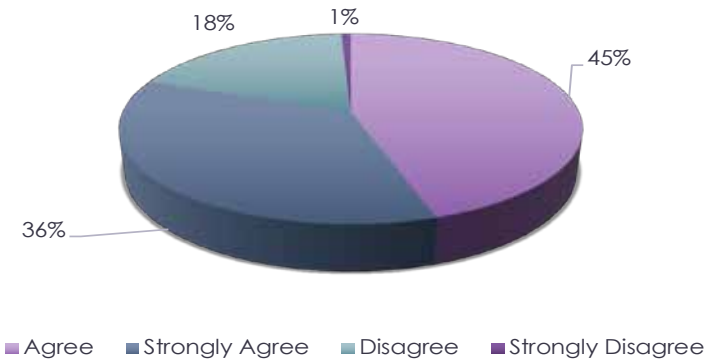
I HAD THE OPPORTUNITY TO EXPLAIN MY PROJECT TO:



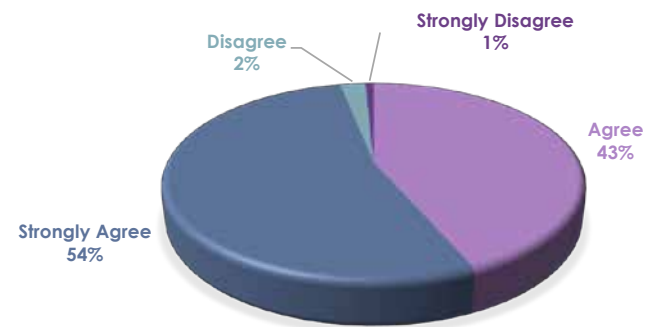
I HAD AN ENGAGING SCIENTIFIC CONVERSATION WITH A SPECIALIST IN MY TOPIC



ESI 2019, INCLUDED ACTIVITIES THAT HELPED ME TO MEET & INTERACT WITH YOUTH FROM OTHER COUNTRIES



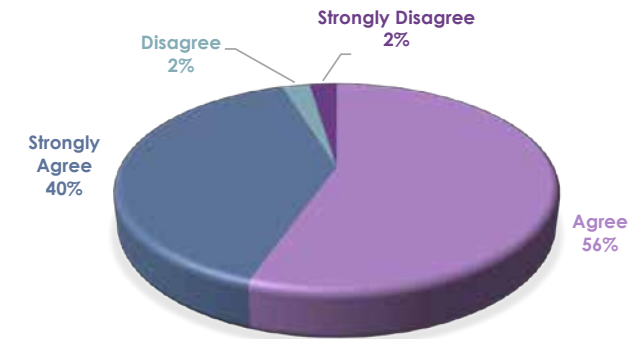
AS A RESULT OF MY ESI EXPERIENCE, I AM MORE MOTIVATED TO DO SCIENCE, TECHNOLOGY, ENGINEERING, MATHS (STEM /STEAM)



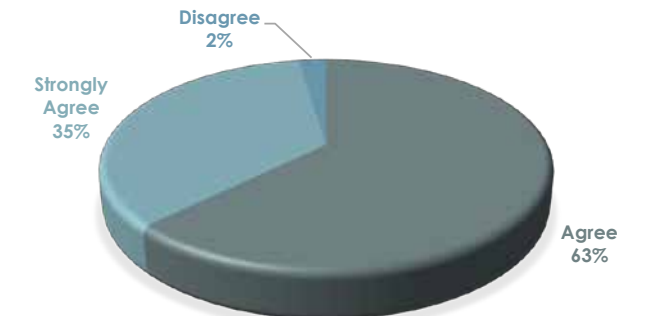
SECTION OF SUPERVISOR & VISITOR'S ANSWERS

The following questions were answered by the supervisors and visitors within the delegations

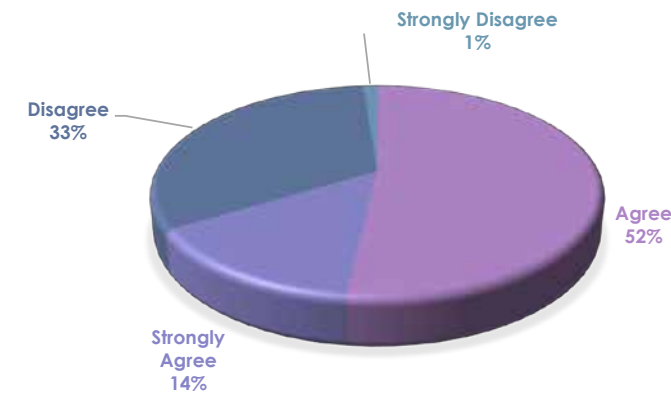
MY EXPERIENCE AT ESI WILL HELP MY ORGANIZATION TO MOTIVATE YOUTH TO BE INVOLVED IN STEM / STEAM



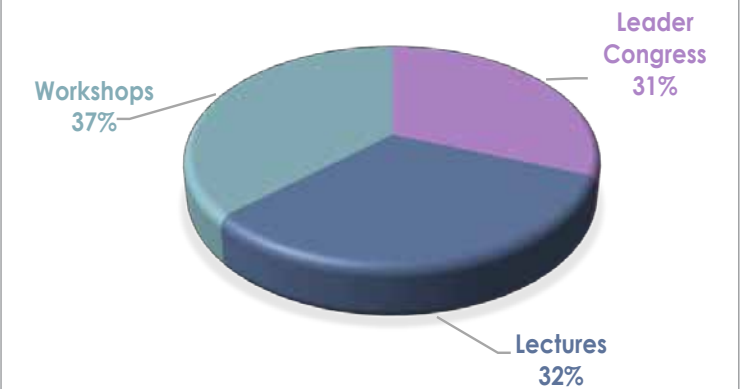
MY EXPERIENCE AT ESI HAS HELPED TO CONNECT MY ORGANIZATION WITH YOUTH STEM/STEAM ORGANIZATIONS IN OTHER COUNTRIES



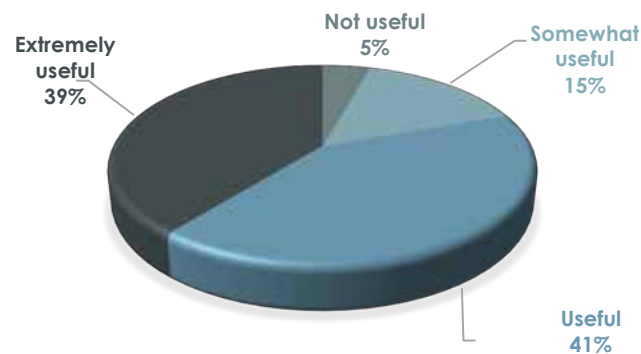
I NEEDED MORE INFORMATION OR TRAINING TO HELP MY STUDENTS PREPARE FOR ESI.



PLEASE SELECT ALL THE ACTIVITIES IN WHICH YOU PARTICIPATED

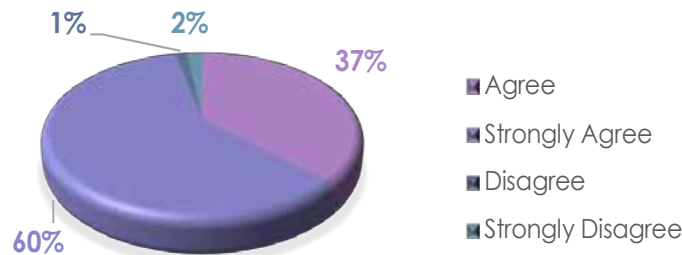


PLEASE RATE THE LEADER CONGRESS ACTIVITY AND CONTENT

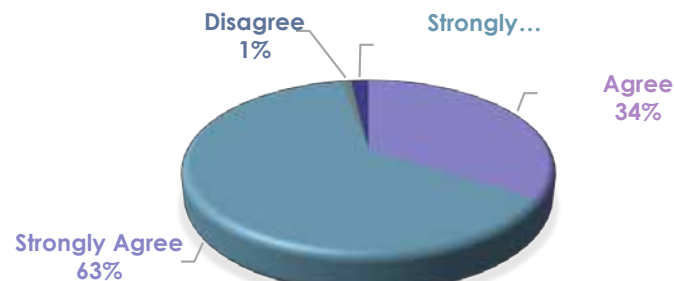


ABOUT ABU DHABI

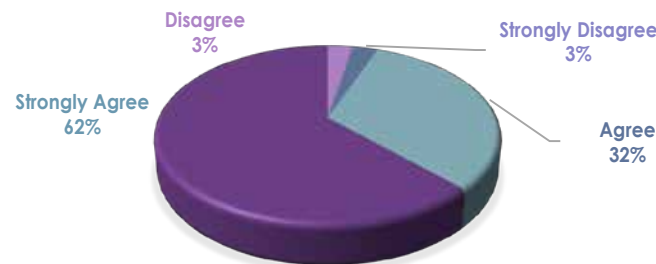
I THINK ABU DHABI HAS ADVANCED INFRASTRUCTURE MEETING WORLD-STANDARDS



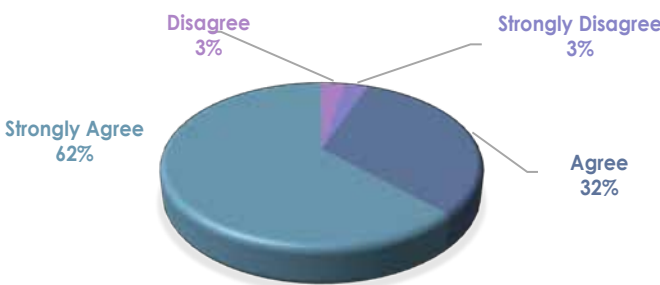
I THINK THE HOSPITALITY IN ABU DHABI IS UP TO WORLD STANDARDS



I THINK ABU DHABI IS A SAFE CITY TO VISIT OR LIVE IN



I WOULD LIKE TO VISIT ABU DHABI AGAIN



CULTURAL EVENT & CLOSING CEREMONY

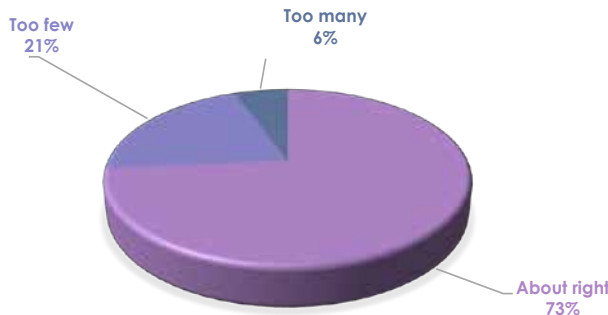
OVERALL, WERE YOU SATISFIED WITH THE VENUE AND SETUP?



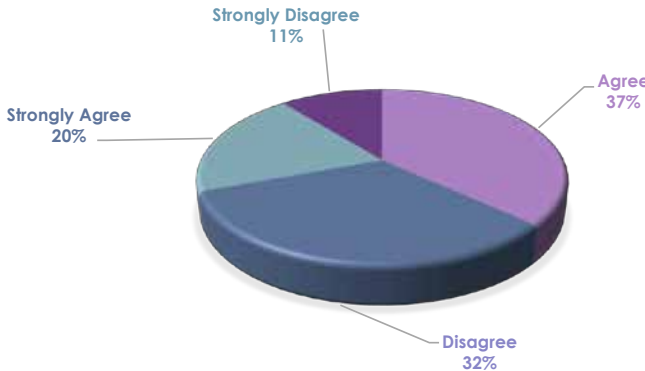
PLEASE RATE THE DURATION OF THE CULTURAL EVENT (FROM 3 PM TO 6 PM)



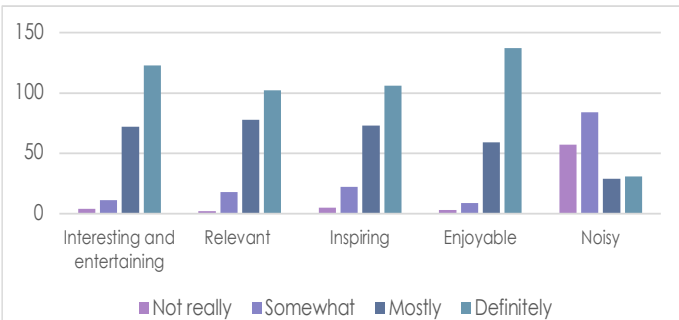
PLEASE MEASURE THE NUMBER OF STAGE PERFORMANCES AT THE CULTURAL EVENT



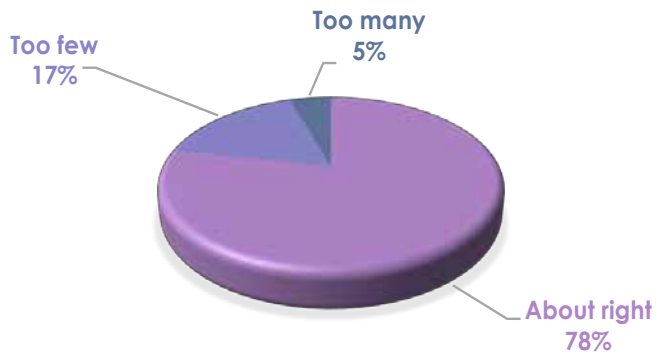
I CONSIDER THE CULTURAL EVENT AND THE CLOSING CEREMONY SHOULD BE ON DIFFERENT DAYS



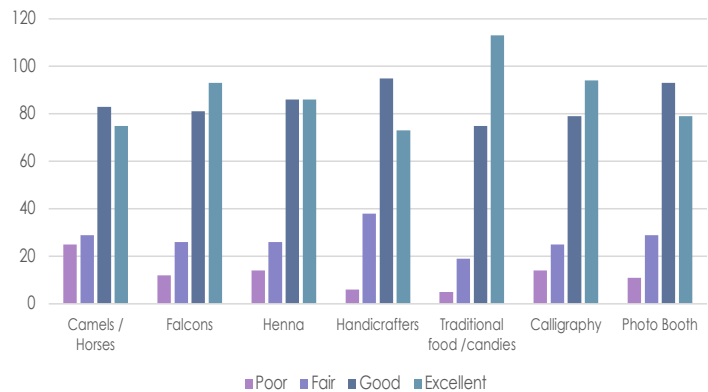
PLEASE RATE THE CULTURAL EVENT



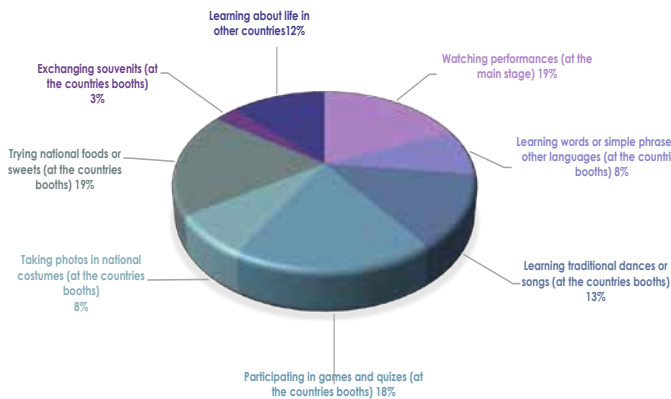
PLEASE RATE THE NUMBER OF COUNTRY BOOTHS AT THE CULTURAL EVENT



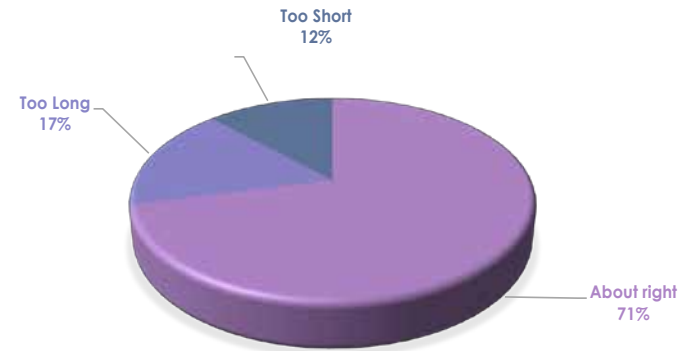
HOW DO YOU RATE THE FREE UAE ACTIVITIES PRESENTED DURING THE CULTURAL EVENT?



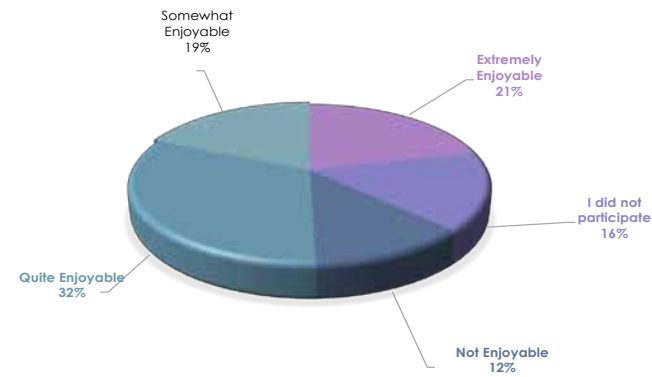
WHICH DELEGATIONS ACTIVITIES PRESENTED AT THE CULTURAL EVENT DID YOU ENJOY THE MOST?



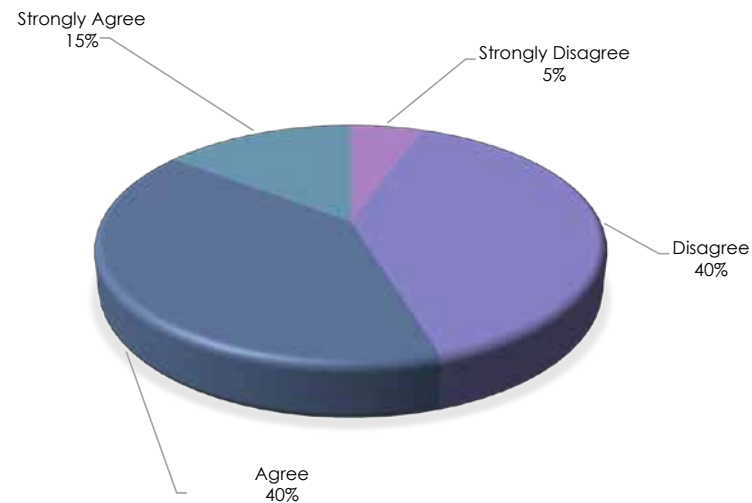
RATE THE DURATION OF THE CLOSING CEREMONY (FROM 7 PM TO 8:35 PM



PLEASE RATE THE NASA'S CONFERENCE DURING THE CLOSING CEREMONY



PLEASE RATE HOW THE DELEGATIONS WERE RECOGNISED DURING THE CLOSING CEREMONY (HEAD OF THE DELEGATION AND 1 PARTICIPANT ON THE STAGE)

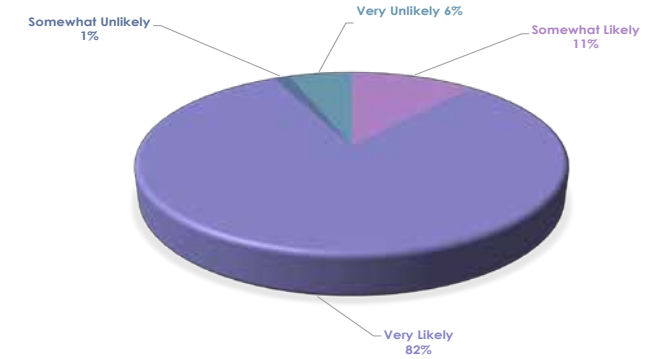


ESI IN THE WORLD

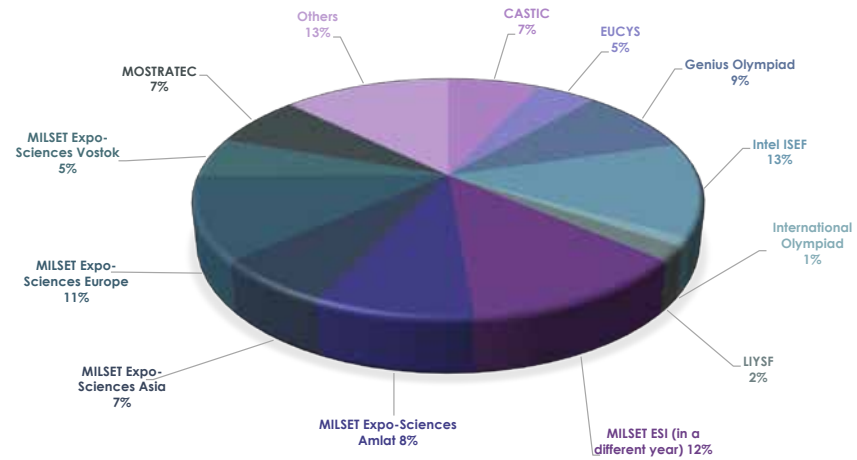
ESI WAS MY FIRST INTERNATIONAL YOUTH SCIENCE EVENT



COMPARED TO THE MOST PRESTIGIOUS EVENT I SELECTED ABOVE, I BELIEVE THAT ESI IS:



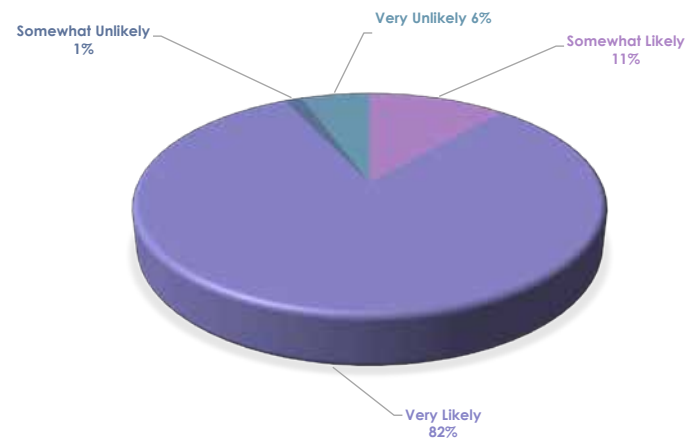
PLEASE INDICATE WHICH OF THE FOLLOWING INTERNATIONAL YOUTH SCIENCE EVENTS YOU HAVE PARTICIPATED IN:



Others

- Cientec
- Africa Science Buskers
- Belgium's Science Fair
- Cisci 2005
- Erasmus
- "I Giovani E Le Scienze", Fast Italy
- Expo Nacional México Michoacan
- Expo Sciences Luxembourg
- ISIF- Bali
- ICYS
- Canada Wide Science Fair
- Hong Kong Student Science Project Competition

HOW LIKELY ARE YOU TO RECOMMEND MILSET ESI TO A FRIEND OR COLLEAGUE?



10



TESTIMONIALS



We are absolutely thrilled at the wonderful feedback about the event from delegations and participants. The organising committee worked tirelessly to ensure that participants not only benefit academically from ESI 2019, but also leave with the fondest memories of our beautiful city and its generous people.



German Embassy Abu Dhabi
Tweets from the official Twitter account of the German Embassy in the U.A.E



MILSET EXPO-Sciences International has returned to Abu Dhabi. Great insights from young German and Emirati future scientists and innovators, showcasing 600+ STEAM projects. Find out more until September 26 at ADNEC!



Marianne Nissilä
Ambassador of Finland to the United Arab Emirates.



Visit to @ESI 2019AbuDhabi together with counsellor @jjsFinland showed the power of science & innovation. Young people - girls and boys - around the world #SpeakScience fluently, in #VET as well! Thank you



Embajada EspañaEAU
Official account of the Embassy of Spain to the United Arab Emirates



Hoy hemos estado en la #ExpoCiencia @ESI 2019AbuDhabi organizada por @MILSET_Global con las delegaciones de jóvenes científicos/as españoles/as de @inice_es @ICIJA_Spain @magmarecerca. ¡Mucho talento! #OrgulloDePaís



Jorge Daccarett
Embajador de Chile en Emiratos Árabes Unidos



Chile está presente en Expo Ciencias @ESI 2019AbuDhabi con una delegación de 60 jóvenes científicos. Un orgullo para nuestro país. #ChileVaContigo



Andrew Jackson
Her Majesty's Consul General, Dubai and the Northern Emirates



Enjoyed my visit to Expo Sciences International @ESI 2019AbuDhabi. Inspiring to meet young innovators from across the UAE and around the world, and to hear about their projects. Thanks to H.E. Mubarak Al Shamsi and organising team @ACTVETuae.



Embaixada do Brasil em Abu Dhabi



A Embaixada participou, na manhã de hoje, do "Expo-Sciences International Abu Dhabi 2019", maior evento não competitivo mundial de promoção da criatividade entre jovens de países da Ásia, Europa, América do Norte, América Latina e África. O Brasil, com mais de 80 jovens participantes, trouxe a quarta maior delegação, com excelentes ideias e projetos!



Francisca Méndez Verified account
Embajadora de México en los Emiratos Árabes Unidos.



México está presente en la Expo-Sciences International en Abu Dhabi, con una delegación de 142 integrantes, participando con 40 proyectos. Un gran orgullo mexicano!



EMBASSY OF THE REPUBLIC OF BELARUS IN THE UNITED ARAB EMIRATES



Belarus participates in Expo-Sciences International in Abu Dhabi

The delegation of the Republic of Belarus takes part in the international exhibition of youth projects Expo-Sciences International, which takes place in Abu Dhabi from September 24 to 26, 2019. The event is organized by the International Movement for Leisure Activities in Science and Technology MILSET, the Ministry of Education of the UAE and the Abu Dhabi Center for Technical and Vocational Education and Training.

As part of the exhibition, Belarusian delegate Roman Svistunov presents his own project to create high-speed wireless networks.

Roman Svistunov is accompanied by Alexander Zyk, Head of Department of Minsk City Institute of Education Development (MGIRO), member of the executive committee of MILSET-Vostok. Since 2014 MGIRO has been a regional operator of MILSET and taking active part in implementation of joint program aimed at the development of scientific and technical creativity among youth of MILSET-Vostok.

The Belarusian stand was visited by Andrei Luchenok, Ambassador of the Republic of Belarus to the UAE.



Bienvenidas/os a la cuenta oficial del Ministerio de Relaciones Exteriores de Chile



Niños y jóvenes de escuelas
municipales y rurales
representan a Chile en la feria
científica de #AbuDhabi. Hoy
los acompañó el Embajador de
Chile en Emiratos Árabes, Jorge
Daccarett. Con 23 proyectos
y 61 personas la delegación
es la segunda más grande de
Lationamérica



Öğrencilerimiz ABU DHABI International Expo Science Fuarında Türkiye'yi Temsil Ediyor



Bu yıl Birleşik Arap
Emirlikleri'nin Abu
Dhabi şehrinde 22-28 Eylül 2019
tarihleri arasında gerçekleşen
fuarda Okyanus Kolejleri'nin
3 farklı kampüsünden 9
öğrencimiz katıldı. Bargem
Proje koordinatörü Duygu
Yavuz ve Bargem Proje
sorumlusu Dilan Akyıldız
önderliğinde hazırlanan öğrenci
bilim ekibimiz ülkemizi Abu
Dhabi'de başarıyla temsil etti.



KUNA Kuwait News Agency

كـوـنـا

الحساب الرسمي لوكالة الانباء الكويتية



اختتام فعاليات
الملتقى العلمي
العالمي في ابوظبي



The Embassy of The Republic of Indonesia in Abu Dhabi KBRI Abu Dhabi Twitter Akun Twitter resmi KBRI



Sebanyak 20 dr 26 orang Delegasi Indonesia pd ajang Expo
Sciences International (ESI) 2019 telah sambangi kantor KBRI Abu
Dhabi Minggu (22/9/2019). Delegasi yg berasal dr beberapa sekolah dan
universitas ini akan memamerkan karya mereka di ESI tgl 24 - 26 Sept
2019 di ADNEC.

Pameran Sains terbesar dunia akan dihelat di Abu Dhabi tgl 24 - 26
September 2019. EXPO-SCIENCES INTERNATIONAL (ESI) 2019. Event
ini akan diikuti 2000 lebih peserta internasional dari 68 negara. Adakah
delegasi pelajar ikut berpartisipasi? Nantikan informasinya, segera.

Selamat datang, Delegasi Peserta Indonesia pada ajang EXPO-SCIENCES
INTERNATIONAL (ESI) 2019 Tanggal 24 - 26 September 2019 di ADNEC,
Abu Dhabi. Mari kita dukung Delegasi pada ajang ESI 2019. Don't miss it.



SBES Creating a learning environment which maximizes individual's potentials to meet the challenges of education and life.



9 year old Ubaezeonu-
Christian Gerald representing
St. Bernadette School and
Nigeria in the MILSET Expo
Sciences International Abu
Dhabi 2019. The science
project by Gerald is titled
"The Electronic School
Manager."



Embajada de México en los Emiratos Árabes Unidos



En el marco de la
clausura de la Expo
Internacional de Ciencias
celebrada en Abu Dhabi, México
recibió en manos de José
Alberto Tenorio, Coordinador
de Eventos de la RED Nacional
de Actividades Juveniles en
Ciencia y Tecnología de México,
acompañado por David Dávila
Estefan, Encargado de Asuntos
Consulares de la Embajada de
México en los EAU, la sede de la
18a. edición de la ExpoCiencias
Internacional de MILSET - ESI
2021 a celebrarse en la Ciudad
de Mérida, Yucatán.



LA GUAJIRA ES NOTICIA



Aprendices del SENA
participan en feria científica
en Emiratos Árabes Unidos





Universidad de Santander – Colombia



El estudiante participa en el encuentro de creatividad científica más grande de este país asiático en representación de la Universidad de Santander, espacio donde más de 2.000 estudiantes todo el mundo exponen sus proyectos de investigación. Serrano expone su proyecto: "Diseño de un ladrillo utilizando material reciclable (PET, residuos de construcción y otros)". El cual desarrolló a lo largo de 3 años con los estudiantes; Danilo Acero, Silvia Rueda y Valentina Gamboa, bajo la orientación de los profesores; Freddy Rodríguez y Carlos Bautista de la Facultad Ciencias Económicas, Administrativas y Contables.



SENA
Cuenta oficial del Servicio Nacional de Aprendizaje #SENA.



Conoce a la delegación colombiana de aprendices que hace parte de la Feria Milset Expo-Sciences International (ESI), en Abu Dabi 2019, entre ellos Nicolle y Davinson. Estamos orgullosos de ustedes por dejar en alto al país y aportar a la innovación y el desarrollo tecnológico



MECDigital - Ministerio de Educación y Ciencias – Paraguay



En Abu Dabhi, en la Milset "Expo Ciencia Internacional ESI 2019" Emiratos Árabe, los estudiantes del Colegio Técnico Nacional, de Asunción; Colegio Técnico Departamental Municipal "Dr. Eusebio Ayala", de la Ciudad de Villata; Centro Educativo Departamental Municipal Miguella Rodríguez de la Ciudad de Luque; Colegio Nacional EMD Asunción Escalada, de Asunción; Colegio Politécnico Multiactiva de la Ciudad de Capiatá; Colegio Bilingüe Girasoles de la Ciudad de Encarnación; Colegio Técnico y Centro de Entrenamiento Vocacional "Arq. Raúl María Perdomo" de la Ciudad de Encarnación; Centro Educativo Carlos Antonio López de la Ciudad de Nemby, Colegio San José, de Asunción, Colegio Arambe de la Ciudad de Luque, tuvieron la oportunidad de intercambiar ideas y experiencias entre 1500 jóvenes científicos de todo el mundo, donde nuestros representantes paraguayos obtuvieron medalla de oro.





France

Thanks a lot for all the ESI teams we had an incredible time in Abu Dhabi

Thierry France



Oman

On behalf of OMAN delegation, I would like to thank the organizer for everything. It was amazing and very beautiful memories. Best wishes for all

See you all in coming events



Chile

Thank you! For the excellent organization of ESI 2019! See you at ESI 2021!

Fundacion Club Ciencias Chile



Indonesia

To the organizer, we would like to thank you for all hospitality and support given to the Indonesian delegations.

Warm hugs from all of us.

Taiwan

Hi all,

We just arrived in Taiwan. Thanks for everything in this week. We had a really great time to be with you all. See you soon!



Russia

We also arrived smoothly in Moscow. Thanks again for this great time, for impressive ESI and for all what you have done for us.

Alexander, AESC MSU



Latvia

Dear organizer and all delegations, thank you for excellent ESI 2019 organizations, hospitality and huge efforts for meeting all our needs.

Team Latvia



Kuwait

On behalf of Kuwait delegation, I would like to thank all organizers for this successful event.

Wish you all the best



Turkey

As the Oksef team we have arrived to Istanbul now. Special thanks to all organizers and volunteers for their amazing efforts!! Hope to see you again



Spain

Thanks a lot for your help and patience. You have been really kind with us and you've helped a lot.



Emirates Science Club

Dear organizers team. Thank you, everything was well organized. Amazing. It is really a great success.



Shaikha Nourah Abdulla Hamad Abdulla Al Sharqi - Madhab Girls Secondary

Thanks a lot ESI 2019 team for all the great efforts that is done to make ESI 2019 in UAE an amazing event, it was my pleasure to participate in this event and meet all the brilliant and innovative students from the whole worlds.



Paraguay

Thank you very much for everything. It was a great pelasur to participate and share experiences and mainly enjoy a lot.

Fecitec firasoles Paraguay



Al Etihad Private School

Dear Ms. Maha thank you for all the efforts and hardwork. This was an amazing journey of weeklong prorgam but never the less its full of memeories of great achievements of the young generation - the future of tomorrow. Inshalla we meet again - God Bless you.



Korea

Thank you! Everyone got back to Korea safely. We appreciate your care for Korean team while we were staying in UAE. Thanks to your help and assistance, we had a great time!



Luxembourg

We arrived safe and sound in Luxembourg yesterday late evening. Thank you so much for one unforgettable week and the great hospitlaity!

Natalia

FJSL



مدرسة الظاهرة - العين

تجربة رائعة ومجهود مميز وتنظيم عالي الحرفية كانت فائدة عظيمة لنا ولطلابنا بأن تعرفوا على أفكار علمية وثقافات من شعوب أخرى. وكان لنا الشرف في تواجدا معكم... شكراً لكل من نظم وساهم وشارك في هذا العمل الجبار.



France

France - Dear Jane, we had an amazing week with all ESI team. Everyone was so nice with us! It was our first ESI, it will stay in our minds for a long time, and it made us dream about the new one. Please thank for us: Timothy, Hussein, Zayed, Mohamed and all the members of the team who took care of us during those days! Now, you can rest! All the best!



Latvia

Once more personal thanks for your work. It was fully excellent in every tiny detail. We leave UAE with best feelings.

Team Latvia from airport



Germany

Thank you for your nice organization. Everything was perfect. The group also says thank you for doing such a great job at making everything work for us. Hope to see you one day again soon.



Thialand

It has been a great evening. Thank you so much for your always willing and understandfing assistance. We really do appreciate your kindness



South Africa

Thank you very much Thank you very much for your kindness, friendship, friendliness and professional-ism. Go well!



Mexico

Fue un placer conocerlos a todos, espero que algun dia visiten Mexico y podamos viajar juntos jajaja.

It was a pleasure to meet you all, I hope that one day you will visit Mexico and we can travel together heheh.

From Mexico HoD



Russia

Dear organizers and hosts. It was gorgeous experience. Thank you, MILSET, thank ACTVET, and all of you who made it for us.

Alexander Sigeev and AESC MSU delegations, Russia

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STEAM learning is all about designing creative solutions for real-world problems. At ESI 2019, students applied their knowledge of various scientific disciplines to create projects, products and prototypes that address daily life needs and challenges facing communities.

From applications of biomedical sciences, renewable and smart technologies, projects truly took the centre stage at ESI 2019.

13 Scientific Disciplines

489 International + 211 UAE Projects

700⁺
PROJECTS



ENERGY AND TRANSPORT

Projects involved in this category studied the efficiency of classical power plants (water, nuclear, coal power plants), the usage of fossil fuels (coal, gas, oil), and other raw materials. Participants put focus on the efficiency of common transportation means; the frequency of their usage, the cause of traffic jams in particular regions etc. Projects also showed alternative energy sources and transportation means.

47 PROJECTS



ALGERIA			
MILSET Member Organization	Project name	Name	Role
Association scientifique astronomique wilaya d'Alger	Water Level Controller (Detector)	Maachou Mohamed Hamza	Participant
		Haddadou Bilal	Participant
		Challal Rafik Ahmed Yacine	Participant
		Mostefaoui Ismail	Supervisor
ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Asociación Vida y Ciencias	Turn Off The Light	Paulina Barzola Gotte Hernández	Participant
		Malén Gotte Hernández	Supervisor
BAHRAIN			
MILSET Member Organization	Project name	Name	Role
Bahrain Science Center	Extraction Of The Essential Oil From Wild Flowering Plants In Bahrain	Zain Khamis Alnoaimi	Participant
BOSNIA AND HERZEGOVINA			
MILSET Member Organization	Project name	Name	Role
Richmond Park Schools	One Step At A Time!	Amar Pasagic	Participant
CANADA			
MILSET Member Organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Dragging On — The Effect Of Length, Surface Coating And Stern Angle On Drag	Finley Nakatsu	Participant
	The Power Of Hydrogen	Adam Patton	Participant

COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	My Route: Route Information System For Urban Transportation In Santa Marta.	Nicolás Eduardo Mejía Fernández	Participant
		Joseth Esneider Pua Marquez	Participant
GERMANY			
MILSET Member Organization	Project name	Name	Role
Technical Ecological Youth Project Centre Rabutz e.V.	Transport Robot Model	Christopher Freund	Participant
		Sebastian Geisler	Participant
		Anton Reinhard	Participant
	Formula E	Anton Strötzel	Participant
		Timo Schulz	Participant
		Kilian Hagen	Participant
		Nils Rusetzki	Participant
		Manuela Bendias	Supervisor
GUATEMALA			
MILSET Member Organization	Project name	Name	Role
Montano College	Solar Oven	Jhonatan Javier Hurtado Chang	Participant
		Loren Priscila Hurtado Chang	Participant
		José Fernando Santos Monteagudo	Supervisor
KUWAIT			
MILSET Member Organization	Project name	Name	Role
MILSET Asia-Kuwait	Installer Developer	Omar Almutairi	Participant
	Solar Charger	Ahmad Mohammad	Participant
		Abdulrahman Alsarhan	Participant

LATVIA			
MILSET Member Organization	Project name	Name	Role
National Centre for Education	Development And Reasearch Of Wave-power Generators	Ilze Baumgarte	Participant
		Liene Voronenko	Supervisor
MACAU, CHINA			
MILSET Member Organization	Project name	Name	Role
The Association for Promotion of Science & Technology of Macau	Development Of Bifunctional Catalyst From Metal-organic-framework And Its Application In Zinc-air Battery	Xiang Yi Fan	Participant
		Jeremy Hu	Participant
	Pilot Study On Production And Testing Of Emerging Biodiesel For Automotive En	Chi Hong Wong	Participant
		Ian Kit Wong	Participant
		Sam Lam Ng	Supervisor
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Organic Solar Panel	Ángel David García Núñez	Participant
		Eladio Vargas Mirón	Participant
		Alejandro Rios Rodríguez	Participant
		Julio Marino Castañón	Supervisor
OMAN			
MILSET Member Organization	Project name	Name	Role
Oman National Commission_ ESC	Paramedic Communicates With Traffic Lights	Khoula Ahmed Aamir Alfarsi	Participant
	Smart Bus	Salim Ali Salim Al-sharji	Participant
		Huda Mohamed Issa Al Balushi	Supervisor
	Traffic Applications	Ahmed Salim Saif Al Farsi	Participant

PERU			
MILSET Member Organization	Project name	Name	Role
Consejo de Ciencia y Tecnología Global	Magnetic Levitation And Maglev Train	Torres Aragón Sebastian Eduardo	Participant
		Umiña Ríos Mishell Xionet	Participant
		Mamani Pampa Romael Elías	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
Step Into The Future	Study Of Solar Trackers To Improve The Efficiency Of Solar Panels	Volkov Yaroslav Vitalievich	Participant
		Olga Karpova	Supervisor
SAUDI ARABIA			
MILSET Member Organization	Project name	Name	Role
STEM Centers	Future Road	Altwejry, Thamer Abdullah	Participant
		Alhassan Mohammed Ahmed	Supervisor
IMBEWU Science Foundation	Pipe Power 2.0	Gabriella Anne Adolphe	Participant
		Robyn Clark	Participant
TURKEY			
MILSET Member Organization	Project name	Name	Role
Izmir Private Cakabey Schools	Investigation Of The Effects Of Nitrogen Doped Tio2 (N-tio2) And Graphene Oxide (Go) Modified N-tio2 (Go:n-tio2) On Dssc Performance	Alp Orkun Güner	Participant
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Cheaper Solar Concentrator Construction	Maksym Lishchynskyi	Participant
Junior Academy of Sciences of Ukraine	New Energy-generating Coating For External Building Construction	Matiushenko Ivan	Participant

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Anti-Fire Drone	Shouq Mohamed Binshemel	Participant	English School Of Kalba
	Deepa Renadev	Supervisor	English School Of Kalba
Automatic Metal Bending And Forming Machine	Sultan Khalid Abdulla Mohamed Abdulla	Participant	Applied Technology High School - Ajman - Boys
	Abdalla Mahmoud Mohamed Tahir Alzarooni	Participant	Applied Technology High School - Ajman - Boys
Automatic Solar Panel Washing System	Jawaher Bashir Al Mulla	Participant	Higher Colleges Of Technology - Sharjah Women's College
	Hamda Fadil Alhamer Al Ali	Participant	
	Kamal Abuqaaud	Supervisor	
Dates Picker	Alreem Hassan Saeed Almazrouei	Participant	Al Shefa Bint Abdulla School
	Aisha Adnan Saeed Almatrooshi	Participant	
	Shahad Mohamed Almarashda	Participant	
	Aisha Abdelrahman Alzarooni	Supervisor	
Drone Killer	Abdulla Aldanhani	Participant	Applied Technology High School - Ras Al Khaimah
Dual Purpose Uav Drone	Noora Fareed Hasan Ali Almarzooqi	Participant	Al Khaleej National School
	Hamdan Mohamed Hasan Ali Almarzooqi	Participant	
	Rihab Adnan Maksoud	Supervisor	
Emergency Mechanism For Cruise Control Malfunction	Abdullah Asad Alawadhi	Participant	Applied Technology High School - Fujairah
	Mansour Mohamed Ahmed Alyoha	Participant	
	Saud Mohammed Al Hashimi	Participant	
	Edward Amego Gakpe	Supervisor	
	Mohd Abdallah Mofleh Elomari	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Feeding Animal System	Mouza Ajail Mohammed Balsoub Alketbi	Participant	Al Thaqafa School For Girls
	Aisha Hamad Salim Alshabbani Alketbi	Participant	
	Afra Salim Ali Saleem Alketbi	Participant	
	Amal Safieljil	Supervisor	
Finger Print Secured Smart Atm	Khalifa Ali Matar Alqaydi	Participant	Shawkah School
	Falah Saif Almazrouei	Participant	
	Hamdan Rashed Alamzrouei	Participant	
	Rahul Rajagopalan	Supervisor	
Fire Extinguisher Eco-Friendly	Zayed Mohammed Mahdi Fahed	Participant	Khalifa Bin Zayed
	Nasser Salem Nassib Hamad	Participant	
	Abdallqader Mohammed Nashei	Participant	
	Mouhamad Nizar Ahmed Najar	Supervisor	
Flight Control System	Saeed Mohammed Alsareeri	Participant	
	Saeed Omar Alamri	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Flight Simulator	Mohamed Yazeed Mohamed Mubarak Alkatheeri	Participant	STS
	Abdulla Mohamed Abdulla Obaid Alfarsi	Participant	
	Hareb Hasan Almarzoqi	Participant	
	Abdulraheem Mohammed	Supervisor	
Gas Sensor Protocol	Yousef Mohamed Ali Yaser Alhattali	Participant	ATHS
	Abdulla Khalifa Alhammadi	Participant	
	Ahmed Hasan Sweleh	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Home Automation	Amer Rabea Faisal Alnahdi	Participant	ATHS
	Mohammed Jasem Mohammed Alzaabi	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	
Icateye	Mohammed Abdulla Alnuaimi	Participant	Khalid Bin Al Waleed School
	Amro Mohmed Alhadi	Supervisor	
Intelligent Guard Of Building	Sada Sultan Ali Saeed Almansoori	Participant	Al Shawamekh School
	Shamsa Sultan Ali Saeed Almansoori	Participant	
	Arwa Saeed Mohammed Alhemeiri	Supervisor	
Keep A Life With Smart Ac	Jawaher Sulaiman Alyahyae	Participant	Al Hoor School
	Amani Saeed Ali Alshehhi	Participant	
	Mariam Ali Hassan Ali	Participant	
	Rajaa Ahmed Mansour Al Khalaileh	Supervisor	
Mcgyver	Nora Nader Al Marzooqi	Participant	Institute Of Applied Technology Abu Dhabi Girls
	Judy Matar	Supervisor	
Peaceful Stay In The Desert	Rashed Sultan Rashed Alsamahi	Participant	Secondary Technical School - Fujairah
	Ali Abdulla Ali Aldelli Al Ali	Participant	
	Mohd Abdallah Mofleh Elomari	Supervisor	
Power Saving Energy	Humaid Ismail Almaskari	Participant	Huniun School
Railway Track Security System	Mezna Mohamed Ahmed Alyammahi	Participant	
	Naema Mohamed Abdulla Matar	Participant	
	Jawaher Omar Abedelaziz Alnobani	Supervisor	
Raspberry Based Basic Home Security	Fatima Abdulsattar Mohammed	Participant	Secondary Technical School - Girls - Ajman
	Mariam Ali Khamis Alali	Participant	
	Ohoud Adel Almutawa	Participant	
	Janet Lara Barrera	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Refugee Life Saver In Desert Camps	Sara Jasem Ahmed Almansoori	Participant	Applied Technology High School - Girls - Abu Dhabi
	Ameena Saleh Juma Alhosani	Participant	
	Hamda Hamad Suhail Almasoori	Participant	
	Maha Amer Hamad Alhajeri	Participant	
	Maisaa Othman	Supervisor	
Robot Pipe Fixer Rpf	Roudah Abdulla Humaid	Participant	Dubai National School - Al Barsha
	Sarah Sultan Ghuloom	Participant	
	Alia Yousif Ahmed Alhammadi	Participant	
	Diana Abdul Hamid Issa Mousa	Supervisor	
	Maysoon Ashhab	Supervisor	
Safe Mabkhara	Zayed Matar Alktebi	Participant	Khalifa Bin Zayed
	Humaid Abdulla Khamis Al Eissae	Participant	
	Abdul Aziz Mohammed Said	Participant	
	Mouhamad Neizar Ahmed Najar	Supervisor	
Saver Soldiers Drone (Monqeth)	Auhood Mohamed Musleh Aljailani	Participant	Applied Technology High School - Girls - Abu Dhabi
	Zainb Mohamed Ibrahim Albahluli	Participant	
Secure Exits	Amna Ayoob Al Balooshi	Participant	Al Nuaimia School
	Aysha Ameer Al Balooshi	Participant	
	Mahra Abdurahman Al Balooshi	Participant	
	Klethem Abdullah Almazrooei	Supervisor	
Self Directed Wheelchair For The Determined Ones	Fajr Yousif Mohammed Abdullah	Participant	Applied Technology High School - Girls - Al Dhafrah
	Shaikha Ali Ibrahim	Participant	
	Mohammad Lutfi Isaied	Supervisor	
Self Parking Car	Mansoor Naser Alrashdi	Participant	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Smart Crutches Base	Aisha Abdelrahman Aldarmaki	Participant	Al Raheeb School
	Sendeya Abdulla Alhassani	Supervisor	
Smart Hand Controlled Robot Car	Mohamed Jasim Alzaabi	Participant	Applied Technology High School - Fujairah
	Saeed Khalifa Rashed Mohamed	Participant	
	Omar Hassan Mohamed Barout	Participant	
	Asma Saleem Mousa Oudat	Supervisor	
	Mohd Abdallah Mofleh Elomari	Supervisor	
Smart Harmful Gas Detection And Warning System	Alya Khalifa Rashed Alwali Alnaqbi	Participant	Fujairah School For Girls
	Maryam Ahmed Mohamed Alyammahi	Participant	
	Retaj Shahein Abdulla Alnuaimi	Participant	
	Nisi Krishnan	Supervisor	
Smart Self Service	Mahra Ali Alhajri	Participant	Applied Technology High School - Girls - Abu Dhabi
	Muzoon Ahmed Almaamari	Participant	
	Ghalya Mohamed Alhammadi	Participant	
	Shawq Ahmed Almaamari	Supervisor	
Smart Socket	Wadeema Shahein Alnuaimi	Participant	Fujairah School For Girls
	Leila Hamidi	Supervisor	
Smart Wheel	Shamma Awadh Hadher Jum	Participant	Dubai National School - Al Barsha
	Salma Juma Rashed Abdulla	Participant	
	Rania Abdelrahman Fahmy	Supervisor	
Solar Powerpanel Auto Cleaning	Abdulla Hussain Al Hashemi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Static Automobile System	Yasmeen Ali Alamiri	Participant	Applied Technology High School - Girls - Ajman
	Mira Yousif Al Marzouqi	Participant	
	Nama Abdulrahman Al Marzouqi	Participant	
	Sandhya Mygur Krishna	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Svd System	Alia Mohammed Alhammadi	Participant	Abu Dhabi Polytechnic
The Smart Trolley	Sultan Arif Abdalla Al Ali	Participant	Secondary Technical School - Sharjah
	Mohamed Ahmed Obaid Alnaqbi	Participant	
	Reema Abdalkarim	Supervisor	
The Trap Project	Saeed Sultan Moahmmed Almerri Alshehhi	Participant	Shamal School - Boys
	Mohammed Abdullah Ali Albayyed Alshemeili	Participant	
	Mohammed Faisal Saeed Aldehhi Alshemeili	Participant	
	Hamad Abdulla Alsuwaidi	Participant	
	Saeed Faisal Alshemeili	Participant	
	Ali Mohammed Ali Alnawa Alshemeili	Supervisor	
Uav For Military Purposes	Kaled Ali Saeed Alshaloubi Alnaqbi	Participant	Al Khalil Bin Ahmed School
	Rashid Abdalla Rashid Alkhouri Alnaqbi	Supervisor	
Using Technology - How To Childproof A Balcony	Sarah Saeed Salim Hamad	Participant	Applied Technology High School - Umm Al Quwain
	Amna Ibrahim Abdalla Karam Mohamed	Participant	
	Maryam Mohammed Ali Yousef Shahin Bani Hammad	Participant	
	Muthurajan Suyambu	Supervisor	
Wheelchair Bed	Reem Basem Othman Salem Mohammed Almohammed	Participant	Applied Technology High School - Girls - Abu Dhabi
	Shouq Khalid Mohamed Abdulla Alhammadi	Participant	
	Sara Basem Othman Salem Mohammed Almohammed	Participant	
	Asma Abdulla Ahmed Ali Al Hamed	Participant	
	Buthaina Ali L Abandah	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	EMIRATES SCIENCE CLUB		
Project name	Name	Role	School
Electronic and Mechanical Technology			
Safety Swimming Pool for Kids	Ahmed Abdelrahman Mohamed Alzarooni	Participant	
Smart Food Storage System	Shamma Sultan Alattar	Participant	
	Sameera Abdulrahman Almulla	Supervisor	





ENVIRONMENTAL ANALYSES AND ENVIRONMENTAL MANAGEMENT

The projects in this category analyzed various environmental problems and impacts of human activity on nature. Participants proposed new ways to eliminate or even solve these problems.

98 PROJECTS



ALGERIA			
MILSET Member Organization	Project name	Name	Role
Association scientifique astronomique wilaya d'Alger	Ecological Cleaning Tricycle	Chetti Walid	Participant
		Ghanes Aymen Yacine	Participant
		Gaassis Billal	Participant
		Raked Fethi	Supervisor
La ligue des activités scientifiques et techniques de jeunes de la wilaya de Bejaia	Installation Of Photovoltaic Panels In His Home	Berbar Tarik	Participant
	Plastic Miller	Ayadi Hicham	Participant
		Zaidi Anis	Participant
		Mokrani Larbi	Supervisor
ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Asociación Vida y Ciencias	Watering Salt Water	Ana Caterina Dittler	Participant
		Emiliana Norma Götte	Supervisor
	Weather Variations In Different Areas	Quimey Ihuen Almada Hernández	Participant
		Miriam Alejandra Hernandez	Supervisor
Fundación Solydeus	Collection And Utilization Of Rainwater Collected In Situ In A Neighborhood Of Concordia, Entre Ríos, Argentina.	Ignacio Oscar Scarone	Participant
		Candela Garcia	Participant
		Carlos Humberto Gatto	Supervisor
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Feria Nordestina de Ciencias y Tecnologia	Study And Characterization Of The Mechanical Recycling Of The Medicines Blister li	Isadora Silveira Da Costa	Participant
		Pâmela Nitsche De Souza	Participant
		Lucinara De Souza Linck	Supervisor
	The Source Of The Rio Das Mulheres: Take Care For Not Die	Brizza Mota Correia	Participant
		Bruna Palmeira Santos	Participant
		Lucineide Santos Dias	Supervisor

MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Biocanudo An Ecological Alternative For The Production Of Biodegradable Straw	Maria Terossi Pennachin	Participant
		Claudia Carla Caniati	Supervisor
	Biopolymers Of Potato Starch	Adriana Elisa Hentges De Moraes	Participant
		Gerda Hentges	Supervisor
	Use Of Cotton Oil In Eliminating The Agricultural Pests Thrips (Thysanoptera) And Leafhopper (Empoasca Kraemeri) From Cowpea (Vigna Unguiculata) Crop	Vicente Carlos Costa Da Silva	Participant
	Water Source, Running Water: The History And Destination Of A Mine (Stage 1 And 2)	Pedro Henrique Ferreira Rissardi	Participant
		Larissa De Souza Marangoni	Participant
		Aloisia Laura Moretto	Supervisor
	Wormhole: Avoiding The Waste Of Organic Garbage	Emilly Caroline Almeida	Participant
		Stefane Da Silva Batistela	Participant
		Adilson Reis Dillenburg	Supervisor
Movimiento Científico Norte e Nordeste	Preserving And Conserving The Mongrove Around Of Caiara Square In The Neighborhood Of Iputinga-recife Pe From Environmental Education With The Students Of The 5th Year Of The Municipal School João Xxiii	Jennifer Nayara Da Silva	Participant
		Alanny Gabrielly Ferreira Dos Santos	Participant
		Carmem Vitoria Gomes Da Silva	Participant
		Gladstone Barbosa Soares	Supervisor
	Sustained Thermal Courtin	Miguel Vitorio De Almeida Torres	Participant
		Wesley Albuquerque Pereira Da Silva	Participant
		Estefany Vitoria De Oliveira Silva	Participant
		Giselly De Andrade Alencar Cairrao	Supervisor

CANADA			
MILSET Member Organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Bsfl Frass: A Novel Biofertilizer For Improving Plant Health While Minimizing Environmental Impact	Sarah Choi	Participant
	Developing Bioplastic Walls: Reducing Waste And Restoration Costs After Floods	Catherine Diyakonov	Participant
	Digging Deeper Into Den Sites	Alexandria Martin	Participant
		Lori Murray	Supervisor
	Freezing Point Depression Of Salt Solutions: Finding The Best De-icing Compound	Kailas Chari	Participant
	Grow Big Or Grow Home: The Roots To Hydroponic Success	Emily Robb	Participant
		Dominique Girard	Supervisor
	Pristine Waters: A Pioneering Project In Yukon River Microplastic Research	Bruce Porter	Participant
		Grant Fisher-smith	Supervisor

CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	Biotic And Abiotic Factors Affecting The Biofilter Activity Of Diplodon Chilensis (Bivalvia: Hyriidae)	Roberto Orlando Vásquez Soto	Participant
		Ricardo Esteban Medina Irrázabal	Participant
		Francisco César Urra Lagos	Supervisor
	Detection Of Potential Reservoirs Of Hanta Virus In Protected Areas Through Of The Study Of Pellets Of Tucuquere (Bubo Magellanicus) And White Owl (Tyto Alba)	Tyndall Volosky Díaz	Participant
		Matías Javier Huidobro González	Participant
	Differences In The Intraction Of Remains Of Antrópico Origin By Lycalopex Culpaeus And Lycalopex Griseus Between High And Low Public Affluence Zones In The Rio Clarillo National Park	Laura Elena Carrasco Valenzuela	Participant
		Carlos Nicolás Felipe Zurita Redón	Supervisor
	Eco Shower	Gustavo Alejandro Pallauta Pérez	Participant
		Juan Ignacio Mancilla Valenzuela	Participant
		Nicolás Alejandro Rojas Bravo	Supervisor
	Environmental Parameters That Influence The Photosynthesis, Growth And Production Of Spirulina (Maximum Arthrospira) Under Laboratory Conditions	Anais Alejandra Molina Gonzalez	Participant
		Mia Alejandra Carmona Aranda	Participant
		Bárbara Andrea Avila Argandoña	Supervisor
	Monitoring Of Plastic Fibers In Stomachs Of Jaibas Of Commercial Importance	Kevin Daniel Ponce González	Participant
		Gustavo Alejandro Vera Burgos	Participant
		Paola Gabriela Vera Basly	Supervisor
	Overlap Of Estacional Diet Of Tucúquere (Bubo Magellanicus) And Lechuza Blanca (Tyto Alba) Through Of The Study Of Pellets In Rio Clarillo National Park	Alonso Ignacio Erazo Lagos	Participant

COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Dasometric And Nutritional Assessment Of Three New Zealand Ryegrass Genotypes As A Strategy To Adapt To Climate Change In Cundinamarca	Omar Eduardo Méndez Ardila	Participant
		Laila Cristina Bernal Bechara	Supervisor
	Environment And Urban Development Of The City In The 20th Century Case Study: San Juan De Pasto 1900 - 2017	Laura Sofía Ponce Muñoz	Participant
	Identification Of Borax Efficiency As A Substitute Of Mercury In The Process Of Gold Recovery, Applied In Plants Of Benefit In The Department Of Cauca - Colombia.	Javier Ernesto Avila Marin	Participant
COSTA RICA			
MILSET Member Organization	Project name	Name	Role
Escuela y Colegio Científico Interamericano CATIE	Mechanism Of Biological Control Of Fusarium Oxysporum F. Sp. Cubense (Mal De Panamá), In The Creole Banana (Gros Michel) With The Use Of The Fungus Trichoderma Harzianum	Karina González Pérez	Participant
	Nutritional Improvement With Organic Fertilization Mechanisms And Optimal Cutting Levels Of Cynodon Plectostachium In The Experimental Farms, As An Alternative For The Mitigation Of Greenhouse Gases, Phase Two	Daniela Aguilar Gomez	Participant
		Mariapaula Chaves González	Participant

FRANCE			
MILSET Member Organization	Project name	Name	Role
Collectif Inter-Associatif pour la Réalisation d'Activités Scientifiques et Techniques Internationales	The Ocean, A New Food Production Area	Tripotin Leonie	Participant
		Kambrun Zelina	Participant
		Le Coat Agathe	Participant
		Baffou Thierry	Supervisor
	The Ocean, A New Food Production Area 2	Le Coat Francois	Participant
		Pinson Jules	Participant
		Le Dorze Amelie	Supervisor
	Walk&wash Water	Abad Ines	Participant
		Blanckaert Theo	Participant
		Barris Louise	Participant
		Buisson Oceane	Participant
		Chevalier Antoine	Participant
		Barris Marie	Supervisor
	Walk&wash Water 2	Paulet Arthur	Participant
		Sellin Ferdinand	Participant
		Sellin Yves	Supervisor
INDIA			
MILSET Member Organization	Project name	Name	Role
Science, Societies & Public	Lubricant W Aste Management Through Digital Platform	Utkarsh Chandra Bacchal	Participant
		Akash Verma	Participant

INDONESIA			
MILSET Member Organization	Project name	Name	Role
Center for Young Scientist	Traffic Jam Pollution Air Cleaner	Prajna Wijaya	Participant
		Kaelyn Sun	Participant

IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	A New Method Of Supplying Water To The Plant In Arid Areas By Designing A Special Cultivation System	Danial Fallahzadeh Abarghouie	Participant

JORDAN			
MILSET Member Organization	Project name	Name	Role
Rosary School – Marj Elhamam	Cement Factory Crisis In Fhais Town	Leen Yuhanna Salman Farah	Participant
		Rama Laith Adel Almbaidin	Participant
	Answering The Plastic Question (Analysis & Management Of Petrochemical Plastics In The Hashemite Kingdom Of Jordan)	Abdal Rahman Ibrahim Wajeeh Ibrahim	Participant
		Laith Mamoun Ahmad Albasheer	Participant
		Lana George Mina Hraish	Supervisor

KENYA			
MILSET Member Organization	Project name	Name	Role
GCIEPO	Arduino Controlled Solar Tracker	Quintin Orina	Participant
		Adam Jamal Agonga	Participant
	The Use Of Fly Ash, Coconut Shell Ash And Corn Stem Ash As A Coating Against The Corrosion	Samantha Nyaguthii Muchungu	Participant
		Bradley Azegele	Participant
		Joseph Ndugu Njenga	Participant
		Ayse Tuten	Supervisor

KUWAIT			
MILSET Member Organization	Project name	Name	Role
MILSET Asia-Kuwait	Preparing The Nano Titanium Dioxide	Yousif Alkandari	Participant
	Wastewater Treatment From Phosphate & Nitrate Using Nano Algae	Fatemah Alrashidi	Participant
		Taibah Alasfour	Participant
		Entesar Alshammari	Supervisor

MACAU, CHINA			
MILSET Member Organization	Project name	Name	Role
The Association for Promotion of Science & Technology of Macau	A Green “peel” On Steam Education	Lei Lok I	Participant
		leong Meng Ip	Supervisor
	An Environmentally Friendly Plastic Cup That Is Soluble In Seawater	Chang U Wa	Participant
		Chan Pui leng	Participant
		Ng Chi Chon	Supervisor
	Intelligent, Full-automatic Aquaponics System-- A Self-sustained Ecosystem Based On Arduino	Wengman Cheang	Participant
		Sinlam Mak	Participant

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Use Of Lichee (Litchi Chinensis Soon) To Obtain Bioethanol And Purify Aquifer Moses Contaminated With Chrome Vi)	Ximena Mauricio Santillan	Participant
		Andrea Nayelli Hernandez Diaz	Participant
		Esperanza Boucham Vargas	Supervisor

OMAN			
MILSET Member Organization	Project name	Name	Role
Oman National Commission_ ESC	Causes of Land Degradation In The Area Of Majees, Suhar	Eilaf Saif Said Al Maqbali	Participant

PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio Privado Bilingüe Girasoles	Bio-manihot	Luciana Maria Ywaskewycz Caballero	Participant
		Emily Nicole Soroka Vergara	Participant
		Adrian Gerardo Miranda Benitez	Supervisor
	Plastic Wood	Nahuel Sebastian Villalba Wessely	Participant
		Alvaro Santino Lopez Caballero	Participant
		Mathias Tomoki Nakamura	Participant
		Lina Kudo	Participant
		Marcos Rodolfo Zaracho Paniagua	Participant
		Ana Rocio Molinas Martinez	Supervisor
	Soberania Alimentaria	Maximo Alejandro Lopez Caballero	Participant
		Juan Sebastian Ywaskewycz Caballero	Participant

PERU			
MILSET Member Organization	Project name	Name	Role
Consejo de Ciencia y Tecnología Global	The Impact Of Agrochemicals On The Biodiversity Of Natural Springs In The “el Monte Los Puros” Sector Of The District Of Aplao, Province Of Castilla, Arequipa Region, During The Year 2018	Diana Carolina Fuentes Tovar	Participant
		Camila Tamara Arenas Valdivia	Participant
		Mirian Monica Tovar Castillo	Supervisor
	Use Of Biodegradable Organic Straw To Reduce Plastic Pollution	Frank Vera Lopez	Participant
		Leonor Yasmin Vera Lopez	Participant
		Silvia López Echeverria	Supervisor

ROMANIA			
MILSET Member Organization	Project name	Name	Role
MILSET Romania	We Are What We Drink!	Purcareea-ciulacu Viviana-mihaela	Participant

RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Research Work For The Processing Of Hazardous Production Waste Of Sunflower Husk Ash And Spent Filter Powder	Natalia Leonidovna Sidorova	Participant
	Nature-like Technology Of Processing Of Hazardous Production Waste Of Sunflower Husk Ash And Neutralization Of Acidic Flow	Leonid Leonidovich Sidorov	Participant

SAUDI ARABIA			
MILSET Member Organization	Project name	Name	Role
STEM Centers	A Comparative Study Of Sesame Oil And Used Sunflowe	Alghufaili, Danah Abdullah M	Participant
		Bin Jaloud, Latefah Abdulrahman	Participant
		Alkathery, Aman Mohammed	Supervisor
	Home Irrigation System	Alqarni,aiman Mohammed S	Participant
		Asiri,yahya Aboud M	Supervisor

SLOVAKIA			
MILSET Member Organization	Project name	Name	Role
Asociácia pre mládež, vedu a techniku	Ecological Elimination Of Oil Pollution	Samuel Skalican	Participant

SOUTH KOREA			
MILSET Member Organization	Project name	Name	Role
Korea Science Service	Decomposition Of Antibiotic Resistant Bacteria In Fish Farms And Antibiotic Substitution Effect Of Bacteriophage Derived From Jeju Soil And Seawater	Yoon Sang Kim	Participant
Science Technology Education Association	Biodegradable Plastic Made From Recycled Waste Materials	Yongjin Chu	Participant
		Junbeom Lee	Participant

TUNISIA			
MILSET Member Organization	Project name	Name	Role
Tunissian Association for the Future of Science and Tecnology	Waves Fish Controller	Nour Bettaieb	Participant
		Yasmine Gaieb	Participant
		Oumayma Gaieb	Participant
TURKEY			
MILSET Member Organization	Project name	Name	Role
Oğuzhan Özkaya Educational Institution	Green Synthesis Of Metal Nanoparticles And Their Application As Cyanide Sensors	Firuze Kokten	Participant
		Alper Bayram	Supervisor
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Gravitational-vortex Method Of Water Purification From Solid Content	Yehor Borysenko	Participant
		Valeriia Yatsenko	Supervisor
	New Composite Material With Photocatalytic Properties For Deep Water Purification From Organic Substances	Barysheva Anastasiia	Participant
		Alla Malysh	Supervisor
ZIMBABWE			
MILSET Member Organization	Project name	Name	Role
Zimbabwe Science Fair	Making Biodegradable Plastics From Cyanobacteria	Lionah Madanha	Participant

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Adsorption Of Heavy Metal Using Tea Wastes	Fatma Ahmad Al Moosawi	Participant	Zayed University - Abu Dhabi
Aircon Irrigation System	Adari Juma Dadmohammed Murad	Participant	Khalifa University
	Mariam Ibrahim Ali Alhammadi	Participant	
	Abdulla Fahad Mohammad Al Rahma	Participant	
Al Gas Detectable System	Aamna Saif Mohammed Alnuaimi	Participant	Applied Technology High School
	Mahra Awof Abdulrahman Almarzooqi	Participant	
	Besintha Jafar Marakkarakath	Supervisor	
An Iot Self-powered Device For Measuring Water Consumption And Temperature	Rashid Fahed Mohamed Saleh Alzubaidi	Participant	ATHS
	Sultan Khaled Obaid Aladdoomi Alnaqbi	Participant	
	Humaid Ali Alzaabi	Participant	
	Ahmed Hasan Sweleh	Supervisor	
Aquaponics: Growing Crops Without Soil	Rashed Ahmed Alshehhi	Participant	
	Sajith Chundharan	Supervisor	
Automatic Air Pollution Control System With Neutralization Of Gases Ratios For Healthy Air	Mansoor Abdulrahman Saeed Mohammed Alameeri	Participant	Applied Technology High School - Boys - Ajman
	Hashel Ahmed Hashil Humaid Almheiri	Participant	
	Wael Mohammed Hamzeh Saleh Rababah	Supervisor	
Beach Cleaner	Farah Khazaal	Participant	
	Safeya Alawi	Participant	
	Judy Matar	Supervisor	
Designing And Application Of Cost-effective Rotary Composting Vessel For On-site Green Waste Treatment And Disposal	Shahd Ali Saeed Ali Aldhanhani	Participant	Zayed University - Dubai
	Aisha Hassan Mohamed Yaqoob Meer	Participant	
	Munawwar Ali Khan	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Early Warning System For Movement, Speed And Height Of Flood	Abdulla Khaleil Aldhanhani	Participant	Sharjah Youth
	Mohamed Abdalla Mohamed Ali	Participant	
	Muthana Ahmed Khalaf	Supervisor	
Eco Friendly Battery	Mahra Abdulla Hussain	Participant	Sakina Bint Al Hussain School
	Meerah Saad Awad Rashed	Participant	
	Meera Ahmed Darwish	Participant	
	Shikha Maheshwari	Supervisor	
Electricity From Nothing	Shamma Adnan Husain	Participant	Noura Bint Sultan School
	Hessa Ibrahim Almansoori	Participant	
	Maysa Nader Ghaleb	Supervisor	
	Mouza Hasan Abdulla	Supervisor	
Fuelastic	Kaltham Anwar Ismail Mohammed Altaher	Participant	Sakina Bint Al Hussain School
	Shikha Maheshwari	Supervisor	
Grey Water Recycler With Arduino	Mohammed Faisal Alshehhi	Participant	Applied Technology High School - Ras Al Khaimah
	Hamad Muhannad Alblooshi	Participant	
	Sajith Chundharan	Supervisor	
Humidity Spring	Shafa Hassan Mohammad Saeed Alkhatri	Participant	Fatima Bint Mubarak School For Girls
	Maitha Abdullah Mohammed Alkhatri	Participant	
	Shaikha Saeed Abdulla Humaid Alkhateri	Participant	
Industrial Safety And Inspection Drone For Emergency	Mohamed Ahmed Khodadad Shambah	Participant	Adnoc Technical Academy
	Mr. Wasiem Fayez Qutteneh	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Ocean Hover	Shaima Abdulla Mohammed Abdulla Alnuaimi	Participant	Applied Technology High School - Girls - Al Ain
	Rouwaya Jaber Mohamed Khamis Alneyadi	Participant	
	Shamma Abdulla Helal Hamdan Alshamsi	Participant	
	Thirumalai Ganesh	Supervisor	
Palm Cultivation	Meera Mohamed Alyazeedi	Participant	Rawafed Private School
	Noura Rashed Alsuwaidi	Participant	
	Aisha Badr Ahmed Almansoori	Participant	
	Atheer Falah Taweel	Supervisor	
Protect Our National Treasure	Hamdan Saif Ali Jumaa Alremeithi	Participant	Applied Technology High School Mbz
	Mohamed Juma Ibrahim Mohamed Alhosani	Participant	
	Sultan Rashed Najem Rashed Al Khanjari	Participant	
	Ahmed Hasan Sweleh	Supervisor	
Pure	Fatema Nasr Rashed Al-ali	Participant	Al Dhait School
	Aaesha Omar Ahmed Al Ali	Participant	
	Kefah Jameel Ghazi Shatnawee	Supervisor	
Seed Of Life	Mariam Omear Matar	Participant	Applied Technology High School - Girls - Abu Dhabi
	Butaina Ali I Abandah	Supervisor	
	Shaikah Ali Alzaabi	Participant	
Segregation Technology-garbo	Mahra Talal Ali Ibrahim	Participant	Al Ittihad National Private School - Abu Dhabi
	Aisha Abdulla Al Ali	Participant	
	Rania Safwan Kharboutli	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Sustainable Building Bricks	Amna Ali Hussain Alyasi	Participant	Al Ittihad Private School - Jumeirah
	Sally Ahmed Ali	Participant	
	Shama Eisa Al Faheem	Participant	
	*	Supervisor	
Sustainable Smart Irrigation System	Hamad Mohammad Karam	Participant	Al Mahmood School
	Hamdan Hilal Alzaabi	Participant	
	Mohammad Alhashem	Supervisor	
Sustainable Underground Farming	Hessa Jasim Almukhattin	Participant	Fujairah School For Girls
	Nisi Krishnan	Supervisor	
	Leila Hamidi	Supervisor	
The Deep Ocean Roller Yoyo Dory	Maryam Yousef Hussain Alshaaali	Participant	Applied Technology High School - Girls - Ajman
	Maryam Ahmed Hassan Alblooshi	Participant	
	Magdalene Bakheet Bashir	Supervisor	
The Design Of A Cooling Suit	Latifa Omar Alseiari	Participant	Khalifa University
	Aryam Ahmed Saleh Almamari	Participant	
	Nema Nadhem Asaad Asaad Taher	Participant	
	Al Yaziya Salayem Saleh Alsheebani	Participant	
	Shaima Alisayed Ahmed Alhashmi	Participant	
The Sustainable Emirate	Shamael Khameis Alhefeiti	Participant	Madhab School
	Alia Fahed Saeed Salem Alnuaimi	Participant	
	Mozah Obaid Alsuwaidi	Participant	
	Firas Ahmed Kiftaro	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Title: Absorption Of Heavy Metals From Industrial Effluents Using Fish Scales.	Fatima Khalid Khalifa Alsuwaidi	Participant	Al Resalah International School Of Science
	Shaima Jassim Mohamamd Ali Alhammadi	Participant	
	Naheeda Awan Khalid Mehmood	Supervisor	
Tougher Boat Made From Local Fiber	Waleed Othman Mohammed Almayoof Alnaqbi	Participant	Secondary Technical School - Fujairah
	Hussain Ahmed Murad Mirza	Participant	
	Mohd Abdallah Mofleh Elomari	Supervisor	
Utilizing Drones To Clean Oceans From Plastic Waste	Fatima Abdulla Albreiki	Participant	Applied Technology High School
	Ayesha Mohamed Batoun	Participant	
	Reem Ahmed Saeed	Participant	
	Buthaina Ali Abandah	Supervisor	



EARTH SCIENCE

The projects studied various processes going on in the Earth, such as earthquakes, wind patterns, continental and crust drifts etc. Authors used formal scientific language, especially geology, physics, and mathematics expressions. Geodesy works was also displayed in this category.

18 PROJECTS



BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimiento Científico Norte e Nordeste	From Drugs To Life: A Nem Destiny For Cigarettes	Vitor Bruno Costa Pereira	Participant
		Jorge Raniere Silverio Candido	Supervisor
CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	More Effectiveness And Less Pollution	Javiera Catalina Lobos Geraldo	Participant
		Bairon Alexander Salazar Salazar	Participant
		Verónica De Las Mercedes Espinoza Contreras	Supervisor
	Paleoecological Reconstruction Of The Gryphaea Calceola In The Upper Superior Hill Of Marino Camp (Final Phase)	Benjamín Alejandro Vargas Fuentes	Participant
		José Manuel Rojo Lobos	Supervisor
	What Is Hidden Under The Quila? In Search Of The Seeds Of The Valdivian Forest Under The Bamboo	Samuel Isaías Quintana Bilbao	Participant
		Javier Alfonso Quintana Mora	Participant
		Ana Luisa Cuevas Monje	Supervisor
COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Application Of A Non-conventional Method For The Stabilization Of Slopes From Herbaceous Plants On Near To Pueblo Bello, Cesar	Andrea Paola Merlano Terán	Participant
	Design Of An Ecological Trail As A Pedagogical Strategy To Promote The Knowledge Of Fauna And Flora Present In The Banks Of The Suarez River In The Municipality Of Barbosa Santander.	Juan Andres Abril Peña	Participant
		Valentina Calderon Bravo	Participant
		Nikol Rayther Camargo Borboyes	Supervisor
	Patterns Of Surface Circulation Between Coastal Systems Of Punta De Las Vacas And El Uno Bay Mouth	Yorlenys Romaña Torres	Participant
		Dannys Paola Hernandez Morales	Participant
	School Hatch Integrated Comfachico	Yeisner David Giraldo Mena	Participant
		Sebastian Duque Montoya	Participant
Jose Alirio Murillo Palcios		Supervisor	

INDONESIA			
MILSET Member Organization	Project name	Name	Role
Rumah KIR Indonesia	Mimosa-wind Turbine Technology : Inspired By Open Closed Analogy From Sensitive Plants (Mimosa Pudica) As An Development Of Wind Turbine Design For Renewable Energy	Anton Hendra Kusuma	Participant
KAZAKHSTAN			
MILSET Member Organization	Project name	Name	Role
Kazakh National University	Physical And Geographical Analysis Of The Desert And Semi-desert Areas Of Kazakhstan	Nurkenov Akim	Participant
PERU			
MILSET Member Organization	Project name	Name	Role
Consejo de Ciencia y Tecnología Global	Resistant Ecological Blockets Sismo	Vilca Machaca Yamel Anderson	Participant
		Torres Huanca Yury Bladimir	Supervisor
	The Light And The Magnetic Field In Germany And Development Of The Quinoa Plants	Torres Aragón Alexandra Celeste	Participant
		Torres Huanca Carmen Giovanna	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Ancient Sites Of Stone Age In Okinskiy District, Buryatia, Russia	Dabaev Aldar Robertovich	Participant
	Archaeological Research In The Area Tamgata, Okinskiy District, Republic Of Buryatia, Russia	Dambaeva Aleksandra Nickolayevna	Participant
	Bioplastics. The Hope Of The Future	Okorokova Kseniia	Participant
		Okorokova Sofia	Supervisor
	The Baikal As A Unesco World Heritage. Lake Ecological Problems Today.	Maksimova Ekaterina Sergeevna	Participant
	The Use Of Unmanned Aerial Vehicle To Study The Topography Of The Gorome Karst Massive In Okinsky District, Buryatia, Russia	Patarkheev Buyanto Budazhapovich	Participant

TAIWAN			
MILSET Member Organization	Project name	Name	Role
National Taiwan Science Education Center	Exploration Of Polygonal Typhoon Eyes	Yang, Chi-wei	Participant
		Tu, Hui-wen	Supervisor
Electronic and Mechanical Technology			
ALGERIA			
MILSET Member Organization	Project name	Name	Role
Association scientifique astronomique wilaya d'Alger	Walking Robot	Bengaoud Imad Eddine	Participant
		Sellam Fares	Participant
		Chikhaoui Youcef	Participant
		El Mahdi Faouzi	Supervisor
ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Red ARSITECO	Braille Engine	Joaquin Pariani	Participant
		Felipe Pillichody	Participant
		Ezequiel Guerra	Supervisor
	Comfortband	Luca Lencina	Participant
		Agustín Aberastain	Participant
		Juan Martin Bisio	Participant
		Jorge Ariel Lencina	Supervisor
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Blue Spot: Exclusive Parking Space With Access Control	Weslei Huppes Compagnoni	Participant
	Safeshot – Safety Saving Lives	Bruno Muller De Moraes	Participant
		Bruno Amaral Huf	Participant
		Carolina Muller	Supervisor

EGYPT			
MILSET Member Organization	Project name	Name	Role
Nile University	Conventional Speed Bump	Abdallah Ali Abd Elaty Shaltot	Participant
GERMANY			
MILSET Member Organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	The Canny Calendar-chronograph	Anton Petrik	Participant
		Dennis Wuitz	Participant
	Millikan’s Oil Drop Experiment	Robin Henke	Participant
		Nico Matzke	Participant
		Jesko Kloss	Participant
		Randolf Rotta	Supervisor
INDIA			
MILSET Member Organization	Project name	Name	Role
Science, Societies & Public	Self – Automative Fire Accident Preventor And Extinguisher	Shree Varshan Subramani	Participant
		Nithya Subramani	Supervisor
IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	Driving Simulator	Mohamadsaleh Seydanloo	Participant
		Soroush Nourolovara	Supervisor
ITALY			
MILSET Member Organization	Project name	Name	Role
Federazione delle associazioni scientifiche e tecniche	Cave Beast	Luca Catalano	Participant
		Emanuel Buttaci	Participant
	Geoamp	Mario Pepe	Participant
		Marco Pirozzi	Participant
		Ilaria Serino	Participant

KUWAIT			
MILSET Member Organization	Project name	Name	Role
MILSET Asia-Kuwait	Hologram Projector Application	Yousif Almuhanna	Participant
	Alert Charger	Mesk Alajmi	Participant
	Safe Swim Bracelet	Eman Alshammari	Participant
	Safe Box	Remas Alshammari	Participant
	Thermal Engine And Robot	Ali Alshammari	Participant
	Ultrasonic Alarm System	Shahad Alajeel	Participant
MACAU, CHINA			
MILSET Member Organization	Project name	Name	Role
The Association for Promotion of Science & Technology of Macau	Intelligent Campus Ball Rental System	Wu Chan In	Participant
		Leong Chi Io	Participant
	Intelligent Perambulator	Wong Pui Man	Participant
		Koc Cheng In	Participant
		Ao Kin Long	Supervisor
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Bracelet Locator For Disaster Cases	Claudia Andrea Martínez Orozco	Participant
		Alberto Sandoval Ramirez	Supervisor
NIGERIA			
MILSET Member Organization	Project name	Name	Role
Genius Illumina	Smart Driver Monitor	Nsofor Godspower Chiabia	Participant
		Ogunlami Funsho Adeolu Abayomi	Participant
		Oyegbola Niniola	Participant
		Iloba Patrick Ekenemchukwu	Supervisor
	Student Monitor And Anti Kidnapping Alert	Bakare Babbatunde Saddam	Participant
		Olufunminiyi Esther Oluseyi	Participant
		Imoroea Miriam Izegboya	Supervisor
	The Electronic School Manager	Ubaezuonu-christian Gerald Sochi	Participant

OMAN			
MILSET Member Organization	Project name	Name	Role
Oman National Commission_ ESC	The Safe Iron	Fares Said Abdullah Al Kaebi	Participant
PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio de San José	Color Teaching & Motor Skills Training Device For Autistic Children	Alvaro Javier Ozuna Ruiz Diaz	Participant
		Emile Ezequiel Candia Rojas	Participant
		Lucas Josue Villalba Romero	Participant
		Oscar Adolfo Villalba Ortiz	Supervisor
POLAND			
MILSET Member Organization	Project name	Name	Role
Fundacja Zaawansowanych Technologii	Multifunctional Cnc Machine	Jakub ?ukowski	Participant
ROMANIA			
MILSET Member Organization	Project name	Name	Role
MILSET Romania	Forced Linear Oscillator Controlled With A Microcontroller	Gelu-stefan Stoica	Participant
	Icebox - Performant Cooling System For A Computers Cpu	Mihai Alexandru Hulubeac	Participant
		Vasiliu Piniuc Adrian Junior	Participant
		Anca Viorica Greculeac	Supervisor
	Intelligent Protection & Monitoring System	Secuiu Robert Alexandru	Participant
		Ene Silvian	Participant
		Leu Vlad Daniel	Participant
Leu Sorina-maria		Supervisor	

RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Byticopter	Vorontsov Georgy	Participant
	Egg-bot	Grigorenko Roman	Participant
		Grigorenko Mariia	Supervisor
	Working Model Of A Small Spacecraft (Sputnik)	Lavrova Ekaterina	Participant
		Gleb Rulkov	Participant
Step Into The Future	Influence On Electrical Devices Of One Of The Types Of Synanthropic Species And The Creation Of A Device To Combat Them	Dneprovskii Ilia Vyacheslavovich	
	Study And Implementation Of Mobile Robot Control Algorithms	Sherzhukov Eugene Eugenievich	Participant
		Ratsigin Mikhail Yurievich	Supervisor
SAUDI ARABIA			
MILSET Member Organization	Project name	Name	Role
STEM Centers	Alphabet Maze	Tumayhi, Reema Ibrahim A	Participant
		Taibah Ahmed Zaidan	Supervisor
	Save My Life	Alqarni, Rayan Saad	Participant
		Tumayhi, Ibrahim Ali E	Supervisor
	Smart Holder For Pens And Eraser In Classroom Board's	Belal Abdulahad Turkestany	Participant
		Albogami, Sultan Ayadh S	Supervisor
IMBEWU Science Foundation	Inclined To Silence	Kayla Esterhuizen	Participant
		Cheyenne Venter	Participant
		Werner Esterhuizen	Supervisor

SPAIN			
MILSET Member Organization	Project name	Name	Role
Instituto de Investigaciones Científicas y Ecológicas	An Example Of Educational Robotics: Design, Creation And Analysis Of Didactic Material With Sphero	Mario Martín Sancho	Participant
		Julia Fajardo Solé	Participant
		Sara Jurado Aguilera	Participant
		Claudia Colomina Alcedo	Participant
		Iván Nadal Latorre	Supervisor
THAILAND			
MILSET Member Organization	Project name	Name	Role
Science Society of Thailand	An Automated Air Conditioner Filter And Refrigerant Monitoring System	Chaleamchai Phaichan	Participant
		Aphisit Kaewfainok	Participant
		Hatairat Sanakon	Participant
		Surasak Phasukroop	Supervisor
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Biomechanical Manipulator With Remote Control	Yevgenii Chernozub	Participant
ZIMBABWE			
MILSET Member Organization	Project name	Name	Role
Zimbabwe Science Fair	Remote Controlled Waste Picking Truck	Wilson Dylan Chapoka	Participant
		Richard Ngomanyuni	Supervisor



CHEMISTRY

This category included both organic and inorganic chemistry. Projects focused on various study fields ranging from the structure of atoms to complex organic molecules and offered new efficient ways to produce substances. Biochemistry projects, chemical formulas and equations were also showcased.

25 PROJECTS



CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	Green Synthesis Of Silver Nanoparticles Using Aqueous Extracts Of Buddleja Globosa (Matico) With Potential Application In Wound Healing	Josefa Sofía Hernández Lillo	Participant
		Gabriela María José Valenzuela Barra	Participant
COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Avocado Gastronomic Diversification	Juan David Gomez Castaño	Participant
		María Paz Muñoz García	Supervisor
	Synthesis Of Phenylacetylene As Precursor To Obtain 1,2,3-triazoles	Andrés Felipe Becerra Buitrago	Participant
		German Eduardo Vargas Zapata	Supervisor
		Jessica Olinda Valero Rojas	Participant
EGYPT			
MILSET Member Organization	Project name	Name	Role
Nile University	Synthesis Of Octane Fuel By Using Ionized Carbon	Mahmoud Refaat Ahmed Abd El Maaboud	Participant
		Osama Samir Mohamed El Faham	Supervisor
IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	Production Of Herbal Sunscreen Containing Nanoparticles To Moisturize The Skin And Enhance The Ultraviolet Reflection	Hanieh Ahmadi	Participant

ITALY			
MILSET Member Organization	Project name	Name	Role
Federazione delle associazioni scientifiche e tecniche	Corck And Volatile Organic Compounds	Federico Giancarli	Participant
		Luca Barigelli	Participant
		Alessio Petrellini	Participant
	Bread Rising And Ratio Between Nad+ And Nadh Coenzymes	Sara Pierdicca	Participant
		Tamara Fontana	Participant
		Maria Caliri	Participant
	Zinc Oxide: When Chemistry Helps Man And The Environment	Rebecca Oliaro	Participant
		Beatrice Maragliano	Participant
KUWAIT			
MILSET Member Organization	Project name	Name	Role
MILSET Asia-Kuwait	Asphalt With Warm Heating	Noof Albannay	Participant
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Preparation Of A Topical Cream Based On The Resin Of Bursera Microphylla With Anti-inflammatory, Antifungal And Antibacterial Properties	Cecilia Giovanna Burciaga Ramírez	Participant
		Esteban Lara Espinoza	Participant
		Heriberto Torres Moreno	Supervisor
NIGERIA			
MILSET Member Organization	Project name	Name	Role
Arena for contest in Science, Technology & Mathematics in Nigeria	Carbon(Iv)oxide Reducer	Ndemafia Wilsonsmith Abwa	Participant
		Onwe Dominic Chukwuebuka	Participant
		Nwabufo, Mary Purissima	Supervisor
	Water Level Regulator Area Of Specialization: Basic Technology	Nwora Johnpaul Chinedu	Participant
		Okoh-ibeteh John	Participant

PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio Nacional de E.M.D. Asunción Escalada	Whitening Tooth Chewing Gum	Liz Magali Villamayor Franco	Participant
		Mario Fernando Barreto Gómez	Participant
		Jorge Amado Martínez	Supervisor
POLAND			
MILSET Member Organization	Project name	Name	Role
Fundacja Zaawansowanych Technologii	Recrystallization As A Method Of Purification Waste Iron(li) Sulfate	Kamila Weronika Splinter	Participant
PORTUGAL			
MILSET Member Organization	Project name	Name	Role
Associação Juvenil de Ciência	Ink Production With Cherry Pigments	Leonor Batista	Participant
		Mariana Garcia	Participant
		Carla Mouro	Supervisor
ROMANIA			
MILSET Member Organization	Project name	Name	Role
MILSET Romania	Doctor Green Of Waste Water	Nichifor Teodor	Participant
		Regus Albert	Participant
		Ignatescu Valerica	Supervisor

RUSSIA			
MILSET Member Organization	Project name	Name	Role
Advanced Educational Scientific Center of MVLomonosov Moscow St. University-A.N. Kolmogorov School	Synthesis And Properties Of Colloidal Strontium Hexaferrite Nanoparticles Modified By Gold Coatings	Egorova Anna	Participant
	The Production Of Hydrophobic Coatings Based On Fluorinated And Non-fluorinated Polymers In Supercritical Carbon Dioxide	Moskalenko Aleksandra	Participant
		Gorbatyuk Eva	Participant
		Substituent Determined Protonated Hemiindigoids Structure	Lapteva Anna
Step Into The Future	Iodine Insufficiency And Having Iodine In Food	Rastorgueva Varvara Alekseevna	Participant
SOUTH KOREA			
MILSET Member Organization	Project name	Name	Role
Korea Science Service	Molecules World Of Making With Beads	Seokchan Lee	Participant
		Hyunseok Lee	Participant
		Jian Jeong	Participant
		Jaewoong Kim	Participant
		Jongwoo Sung	Participant
TURKEY			
MILSET Member Organization	Project name	Name	Role
Okyanus Egitim Kurumlari	From Plastics Waste To Super-hydrophobic Surfaces	Seda Bozyigit	Participant
		Begum Sena Ipek	Participant
		Ipek Bengisu Gulper	Participant
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	The Model Of Nickel-metal Hydride Battery With Electrode Material On The Basis Of Intermetallic Compound Gdfe2	Anastasiia Mykhailevych	Participant

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Production Of Plant Fertilizer From Smoke Factories	Khalid Mohamed Khamis	Participant	Al Khalil Bin Ahmed School
	Hamad Mohamed Ahmed Abdallah	Participant	
	Ibrahim Fouad Ebrahim	Supervisor	
The Chemical Gloves	Fatema Ibrahim Ali Abdulla Alhammadi	Participant	Applied Technology High School





COMPUTER SCIENCE

This category is very broad. It includes both hardware and software. Concerning hardware authors proposed changes in structure of various computer components to enhance the total computer output. In software new useful programs were showcased, as well as CMS systems, own websites, games etc.

37 PROJECTS



ALGERIA			
MILSET Member Organization	Project name	Name	Role
La ligue des activités scientifiques et techniques de jeunes de la wilaya de Bejaia	Bejaia Prosper Center	Youba Akrache	Participant
Sabili Fondation	Recognition System	Habireche Slimane	Participant
BELARUS			
MILSET Member Organization	Project name	Name	Role
State Institution Of Education «Minsk City Institute Of Education Development»	Distributed Networks Messaging Protocol	Svistunou Raman	Participant
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Phoenix - A Platform For Communication Aid Of Depressed Adolescents	Aléxia De Jesus Dorneles Pereira	Participant
BULGARIA			
MILSET Member Organization	Project name	Name	Role
Evrika Foundation	Daedalus - Procedural Generation Of 3d Models, Using Neural Networks	Viktor Krasimirov VeleV	Participant
CANADA			
MILSET Member Organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Pi In The Sky: A Sustainable, Web-based, Automated Greenhouse	Maisie Cottrill	Participant
	Automating The Detection And Probability Of Wildfires – Tapio	Rohan Mehta	Participant
	Autonomous Life-saving Drone	Hugo Otth	Participant
		Kacylia Roy Proulx	Participant

EGYPT			
MILSET Member Organization	Project name	Name	Role
Nile University	Read Me Before Use Me	Omneya Saeed Abdelraouf Abdo	Participant
GERMANY			
MILSET Member Organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	Agricultural Sensor Network	Chrysoula Drossa	Participant
		David Scheiklies	Participant
		Jonathan Guenz	Participant
		Margarete Tsorpatsidi	Participant
		Julia Mann	Participant
		Ute Maier	Supervisor
	Robomec	Valentin Fischer	Participant
		Maren Weeber	Participant
		Martin Depta	Participant
ITALY			
MILSET Member Organization	Project name	Name	Role
Federazione delle associazioni scientifiche e tecniche	Smart School 4.0	Lorenzo Tabarrini	Participant
		Lorenzo Benedettini	Participant
		Laura Maria Colombo	Supervisor
LATVIA			
MILSET Member Organization	Project name	Name	Role
National Centre for Education	Development Of A Convolutional Neural Network Model For Single Cell Fungal Organisms Detection In Water	Roberts Brants	Participant

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Board Games To Learn Msl Alphabet	Maria Fernanda Solano Hernandez	Participant
		Ángel Ivan Lira Gonzalez	Participant
		Heriberto Hernandez Reyes	Supervisor
	Damai	Osain Abitia Alvarez	Participant
		Alejandro Vazquez Del Mercado Gutierrez	Participant
		Sofia Veronica Ro	Participant
		Ivan Antonio Gonzalez Peyro	Supervisor
	Identification And Narration System Of The Environment (Inse)	Maximiliano Montes Villagran	Participant
		Angel Antonio Sánchez Medina	Participant
		Ursino Cervantes Vazquez	Supervisor
	Math Brain Kids	Pedro César Beltrán Palomino	Participant
		María Del Carmen Manjarrez López	Supervisor
	Platform Of High School Dropout Rates Prediction Using Artificial Intelligence Techniques	Josue Ivan Picie Alcaraz	Participant
		Carlos Heriberto Hernandez Jacome	Participant
		María Dolores González Martínez	Participant
		Daniel González Díaz	Supervisor
	Siraa: Autonomous Wheelchair	Cesar Francisco Guzmán Sanchez	Participant
		Nayeli Mendoza Farías	Participant
		Rosa De Guadalupe Cano Anguiano	Supervisor
	Wake Up And Live Device	Gil Cruz Antonio	Participant
		Noé De Jesús Vargas Ruiz	Participant
		Melvin Muñoz Avila	Participant
		Francisca Azuara Zumaya	Supervisor

PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio Nacional de E.M.D. Asunción Escalada	Sayde	Mara Giannina Roche Escobar	Participant
		Alcides Ramon Hosffmeister Villanueva	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Multipage Portfolio Site Of Artworks	Kharchenko Yulia	Participant
	Vr Steps - Steps Implementation In Virtual Reality.	Zusin Boris	Participant
Sakha Junior Science Academy	University Diploma Authentication Using Blockchain Technology	Vladislav Izhik	Participant
Step Into The Future	Training System For Ships With Azipod Drive System	Kosolapov Ivan Olegovich	Participant
SWITZERLAND			
MILSET Member Organization	Project name	Name	Role
Schweizer Jugend forscht	Evosim, Evolution In A Nutshell	Jan Obermeier	Participant
		Nils Schlatter	Participant
		Roland Schlatter	Supervisor
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Implementation Of Quantum Algorithms In Photonic Devices	Petro Voloshyn	Participant
		Oksana Ponomarenko	Supervisor
	Research Of Convolutional Neural Network For Handwritten Digit And Signature Recognition	Artem Pazych	Participant
ZIMBABWE			
MILSET Member Organization	Project name	Name	Role
Zimbabwe Science Fair	Making Flight Controlling Software Using Ultra Sonic Sensors	Rutendo Ashley Mhuruyengwe	Participant

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Ai Based Live Sentiment Analysis Of Arabic Social Media Contents	Omer Mohamed Alnuaimi	Participant	Higher Colleges Of Technology
	Hamad Hussain Ibrahim Ahmed Mohamed	Participant	
	Khalifa Mohammed Rashed Abdulla Alsaadi	Participant	
	Mohammed Ahmed Saleh	Supervisor	
	Dr. Daoud Maher	Supervisor	
Ain Al Shurtah	Dana Abdullah Bakheet Alameri	Participant	Applied Technology High School - Girls - Abu Dhabi
	Fatema Saleh Mohamed Bin Eshaq	Participant	
	Shaikha Ali Mohamed Almessabi	Participant	
	Besinth Jafar Marakkarakath	Supervisor	
Cardless Access Controller	Nouf Saleh Yaslem Omar Alkatheeri	Participant	Canadian Smart Learning Institute
	Zuweina Ali Al Hadifi	Supervisor	
Cells Game	Juman Ali Alantali	Participant	Al Raqiah School
	Al Maha Rashed Aldhaheri	Participant	
	Klaithem Alneyadi	Supervisor	
Online Examination	Mohammed Salem Alshebli	Participant	Al Dhahera School - Al Ain
	Ashraf Khaldoun Altawashi	Supervisor	
Single Board Raspberry Pi Cost Efficient Cloud Based Gamification Servers	Omer Mohamed Alnuaimi	Participant	Higher Colleges Of Technology
	Hamad Hussain Ibrahim Ahmed Mohamed	Participant	
	Khalifa Mohammed Rashed Abdulla Alsaadi	Participant	
	Dr. Mohammed Saleh	Supervisor	
Sunlight Exposure Monitor	Noora Anwahi	Participant	Dubai National School - Al Twar
	Nur Yacoub Mahmoud	Supervisor	
Zero Day Security Awareness Program	Baraka Salem Mohamed Alhamdi	Participant	Higher Colleges Of Technology
	Reem Hasan Jasem Alhosani	Participant	
	Hamda Ali Abdulrazzaq Ibrahim Altamimi	Participant	
	Fadi Fawzi Mousa Abu Amara	Supervisor	





BIOLOGY

"The science of life" projects; projects dealing with zoology, plant science (botany), anatomy, cytology, genetics, microbiology, and physiology belong to this category.

44 PROJECTS



ALGERIA			
MILSET Member Organization	Project name	Name	Role
Sabili Fondation	Hatching Eggs Machine	Omar Ouyaba	Participant
ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Fundación Solydeus	Environmetal Enrichment In Artificial Dairy Calf Breeding Systems Production As A Tool To Reduce Stress	Gregorio Tomàs Ciganda Azcarate	Participant
		Maria Victoria Franceschetti	Participant
		Leguizamon Mariela	Supervisor
Red ARSITECO	Annual, Multi-annual And Seasonal Rainfall Variability	Jazmin Almaras	Participant
		Alejandra Monica Romagnolli	Supervisor
BOSNIA AND HERZEGOVINA			
MILSET Member Organization	Project name	Name	Role
Richmond Park Schools	Natural Bacteria Against World Hunger	Elhana Velic	Participant
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Study Of The Inactivation Of Trypanosoma Cruzei And Conservation Of Sugarcane Juice Through Pasteurisation	João Vítor De Andrade Dos Santos	Participant
		Angela Kwiatkowski	Supervisor
Movimiento Científico Norte e Nordeste	Studies Of Behavioral Differences Of Yellow-breasted Capuchin Kept In Captivity	Jaqueline Costa Dias	Participant

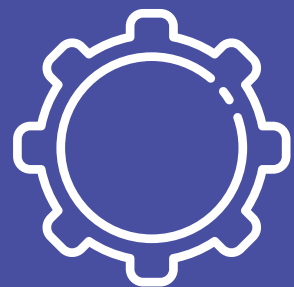
CANADA			
MILSET Member Organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Bee Strong	Mathis Lechaume-robert	Participant
	Water Bear Dont Care: A First Look At Eastern Ontarios Tardigrade Fauna	Clara Biernacki	Participant
	Go With The Glow: Uv Induced Fluorescence In Great Lakes Biota	Sophia Cottrill	Participant
	Novel Treatment Of Algal Blooms With Viral Transfection And Barley Straw Extract	Alexander Sun	Participant
		Andy Liang	Participant
	Omg... Insects!	Antoine Blais	Participant
	Drug Discovery From Actinobacteria Using A Temperatureculture Mimic Approach	Sophie Maria Macdonald	Participant
CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	Aloe Saponaria: Catalyst In The Generation Of Electricity Starning From Bleach	Nicol Constanza Royer Ibañez	Participant
		Paulina Francisca Campos Muñoz	Participant
		Pedro Antonio Neira Flores	Supervisor
	Antibacterial Effect Of Rustic And Industrial Honey Against Bacteria Causing Intrahospital Pneumonia	Pabla Emilia Muñoz Salgado	Participant
		Maximiliano Ricardo Gonzalez Bobadilla	Participant
		Nicole Patricia Muñoz Olivos	Supervisor
	Salvia Leucantha (Moco De Pavo) More Than A Plant	Álvaro Ignacio Villa Celedón	Participant
		Lucas Mateo Burgos Contreras	Participant
		Ivi Betzabeth De Las Mercedes Rodríguez Azócar	Participant
		Catalina Beatriz Pinto Ibáñez	Participant

COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Proposal To Improve The Aquaponic Culture Of The Cauliflower From An Organic Nutrient Generated By The Betta Fish.	Jesús Eduardo Valle Pinzón	Participant
		Gaby Fabiola Gamboa Lagos	Supervisor
GERMANY			
MILSET Member Organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	Dye-sensitized Solar Cell With E. Coli	Annika Herold	Participant
		Lea-sophie Dietle	Participant
		Martina Forstreuter-klug	Supervisor
GUATEMALA			
MILSET Member Organization	Project name	Name	Role
Montano College	Synthesis Of A Furanone Analogous To Secondary Metabolites Of Delisea Pulchra As A Possible Inhibitor Of The Formation Of Bacterial Biofilms	Heraldo Alfonso Hurtado Chang	Participant
		Olga Marina Chang López	Supervisor
INDONESIA			
MILSET Member Organization	Project name	Name	Role
Doctorabbit Science Inc	Urine For Accelerate Composting Process	Ariq Naufal Aslan	Participant
		Anargya Hay Fausta Gitaya	Participant
		Elin Herlina Rasma	Supervisor
IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	Effect Of Orange Blossom Extract On The Improvement Of Memory Disorder Caused By Wi-fi Waves	Nazanin Morovati	Participant
Saba School	Green Synthesis Of Silver Nanoparticles Using Method Of Plant Extract Spearmint (Mentha Spicata L.) And Their Antibacterial Effects	Lilian Moradi	Participant
		Janan Saeidi Moghadam	Participant
		Rose Sadat Emami Meybodi	Participant
		Fatemeh Shirinabadifarahani	Supervisor

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Brown Recluse Spider Has Arrived To Mexican Territory	Ana Castillo Choy	Participant
		Angela González Melo	Participant
		Laura Ivonne Herrera Reyes	Supervisor
	Discovering Fossils Of Marine Animals	Yaretzi Moncayo	Participant
		Rodrigo Moncayo Estrada	Supervisor
	Eggs Incubator As An Outcoming Inclusive Learning	Ángel Trujillo Jiménez	Participant
		Martin Hernández Sánchez	Participant
		Tania Geraldine Hernández Lárraga	Supervisor
	Toxinological Characterization Of Total Venom Of 5 Pit Viper Snakes From Mexico	Arnol Brandon Medina Guzmán	Participant
		José Edgar Valera Sánchez	Participant
		Guillermo Alfonso Woolrich Piña	Supervisor
PORTUGAL			
MILSET Member Organization	Project name	Name	Role
Associação Juvenil de Ciência	Effect Of Radiation In The Growth Of	Ana Machado	Participant
		Diana Henriques	Participant
		Susana Chaves	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Assessment Of The Coral Reef State Of North Sulawesi (Indonesia) By Species-bioindicators.	Shafalinov Ivan	Participant
	Habituation And External Spatial Memory Of The Slime Mould	Bitt Daniil Georgievich	Participant
Sakha Junior Science Academy	Siberian Crane Flyway: New Wintering Ground In China	Saiaana Danilova	Participant
Step Into The Future	Microspatial Segregation Of Mytilus Edulis And Mytilus Trossulus In The Water Area Of Ryashkov (Ryazhkov) Island	Koldun Daria Aleksandrovna	Participant
	Production Of Environmentally Friendly Product	Osipova Saina Aleksandrovna	Participant

SPAIN			
MILSET Member Organization	Project name	Name	Role
Instituto de Investigaciones Científicas y Ecológicas	Neurogenesis In Adult Central Nervous System	María Isabel Martín Iglesias	Participant
MAGMA, Associació per promoure la Recerca Jove	Proxecto Rebinxe	María Bouso Posada	Participant
		Diego Barja Díaz	Participant
		Lidia Barreira González	Participant
		Pablo Díaz Otero	Participant
	Portumnus Latipes. Project For The Conservation Of The Calavereta Crab	Neleta Mas Pallarés	Participant
		Lucía Arnau Vicent	Participant
		Francisco Marco Moreno	Supervisor
TAIWAN			
MILSET Member Organization	Project name	Name	Role
National Taiwan Science Education Center	Characterization Of Girardia Tigrina Mucosal Enzymes	Hsu, Yi Shiuan	Participant
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Dermatoglyphic And Anthropometric Markers Of Addictive Behavior	Yatsyk Yelyzaveta	Participant
		Inna Khliupa	Supervisor
	Features Of Bioelectric Brain's Activity In Alpha- And Beta-diapasons During Ordinary And Mnemonic Method Of Remembering English Words	Maryna Kucheriava	Participant
ZIMBABWE			
MILSET Member Organization	Project name	Name	Role
Zimbabwe Science Fair	Biotechnology Using Everyday Materials	Ryan Tanatswa Mavhera	Participant
		Tawanda Kembo	Supervisor

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Development Of A Sustainable Organic Farming System Using Beneficial Bacteria To Reduce Dependency On Agrochemicals In The Uae	Fatima Humaid Aljaberi	Participant	United Arab Emirates University
	Reem Abdullah Ahmed Alnaqbi	Participant	
	Maryam Khalil Esmaeel Alshehhi	Participant	
	Anfaal Obaid Ali Alantali	Participant	
Diet Planner	Lateefa Jasem Al Obaidli	Participant	ATHS
	Eman Majed Al Shkeili	Participant	
	Alya Sulaiman Alrabeiah	Participant	
	Buthaina Ali Abundah	Supervisor	
Memory Transfer	Basma Fahad Abdullatif Ahmed	Participant	Alittihad National Private School Abu Dhabi
	Maryam Abdulla Saeed Bohassan	Supervisor	
Sand And Rock Wool In Environmental Protection	Reem Saeed Ali Alyammahi	Participant	Al Tawyeen School
	Maryam Ali Mohamed Alyammahi	Supervisor	
Smart Bus	Maitha Mohammed Gholoom Alkhoori	Participant	Alwaha
The Use Of Bacteriophages To Control Legionella Spp. In Air Conditions Cooling Towers	Fatmah Saeed Aldhaheri	Participant	United Arab Emirates University
	Marwa Abdulrahman Alblooshi	Participant	
	Dr. Khaled A. El-tarabily	Supervisor	



ENGINEERING

Young engineers applied their scientific, technical, and mathematical knowledge and experience to construct and made proposals of new mechanisms or parts of mechanisms that fulfill a desired objective. They also proposed new combinations of known mechanical parts.

109 PROJECTS



ALGERIA			
MILSET Member Organization	Project name	Name	Role
Ligue Wilayale des Activités Scientifiques et Techniques de Jeunes de Tizi Ouzou	Solar Cooker	Mounsi Akli	Participant
ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Asociación Vida y Ciencias	Design And Manufacture Of A Portable Equipment To Determine The Size Of Nanoparticles In Polymers Using Light Scattering Techniques.	Roldan Gonzalo Ezequiel	Participant
		Colignon, Martin Francisco	Participant
		Patiño, Ayrton Nicolas	Participant
BAHRAIN			
MILSET Member Organization	Project name	Name	Role
Bahrain Science Center	Wind Generator	Abdulla Khamis Alnoaimi	Participant
BOSNIA AND HERZEGOVINA			
MILSET Member Organization	Project name	Name	Role
Richmond Park Schools	Smartlite	Aladin Cemalovic	Participant
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Use Of Samarco Mining Waste For The Manufacture Of Materials Used In Civil Construction	Pedro Valim Hespanha Gonçalves	Participant
		Rosangela Aparecida De Almeida Valim	Supervisor
Movimiento Científico Norte e Nordeste	Accessibility: Assistive Technology As A Digital Guide To The Social Inclusion Process	Amanda Thais Dos Reis Fernandes	Participant
		Danielle Pereira De Brito	Supervisor
BULGARIA			
MILSET Member Organization	Project name	Name	Role
Evrika Foundation	Educational Quadruped Robot	Yordan Tsvetkov Tsvetkov	Participant

CANADA			
MILSET Member Organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Cotton Carbon Fibre- An Affordable Alternative To Carbon Fibre Reinforced Composite Materials	Jed Joharidale Borillo	Participant
		Dominic Tremblay	Supervisor
	Preparation, Property Testing, And Applications Of Bioplastic	Hannah Macausland	Participant
		Hana Haytaoglu	Participant
	Safer Chick-ments: An Innovative Solution To Reducing Stress In Chick Shipments	Mac Dykeman	Participant
	Soft Pneumatic Robot	Catalina Van Der Raadt	Participant
		Jean Quirion	Supervisor
COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Automated Ecological Point	Andrea Carolina Dávila Cadena	Participant
	Design And Development Of An Andragogical Web Portal In Sign Language, Using The Technical Language Used By The Sena Of The Different Training Programs Phase 2.	Fajid Farid Figueroa Hernandez	Participant
		Andres Julian Amaya Carrillo	Participant
		Angelica Maria Angarita Rodriguez	Supervisor
	Development Of A Mobile Application That Works As A Learning Tool And Support For Parents And For Children With Autism	Kimberly Sharikth Vega Salamanca	Participant
	Fabrication Of Bricks Using Recyclable Material (Pet, Construction Waste And Others)	Brayan Steven Serrano Uribe	Participant
	Improvement In The Manufacturing Process Of The Tail Shaft In A Company Of The Metalworking Sector Under A Lean Manufacturing Approach	Leidy Carolina Jassir Sánchez	Participant
	Integrated And Self-sustainable Irrigation System Siar	Stiven Molina González	Participant
		Elena Patricia Correal Arboleda	Supervisor

MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Ultrasonic Glasses For People With Visual Impairment	Davidsson Stive Díaz Carvajal	Participant
		Nicole Andrea Barrero Arenas	Participant
		Lina Carolina Castañez Leyva	Supervisor
	Use Of Ashes Waste As A Load In Composite Materials Of Reprocessed Polymeric Matrixes	Juan Camilo Gonzalez Prado	Participant
		Lina Marcela Crespo Delgado	Supervisor
	Wireless Control Of Displacement In Tenths Of Millimeters For A Stepper Motor	Libardo Vega Villamizar	Participant
EGYPT			
MILSET Member Organization	Project name	Name	Role
Nile University	M Power	Abd El Rahman Ahmed Samir	Participant
GERMANY			
MILSET Member Organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	The Development Of A Simple Experiment Setup For The Optimization Of The Tesla Valve	Tobias Hanf	Participant
		Jacob Lovis Vogler	Participant
		Pauline Hennig	Participant
		Katz Elke	Supervisor
INDONESIA			
MILSET Member Organization	Project name	Name	Role
Indonesian Young Scientist Association	Ayoobah : Technology The Utilization Of The Kinetic Energy Of The Human Body As A Generator Of Electrical Energy For Charging The Battery On A Smartphone	Muchamad Ravi Ramadhani	Participant
	Rcp (Roof Covering Prototype) -grain	Yenny Rahmawati	Participant
		Mar’atul Husna	Participant
		Ponco Sukaswanto	Participant
		Ahmad Yogaswara	Participant

IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	Artificial Cloud Generation System	Seyed Alireza Mousavi	Participant
		Seyedamir Taha Mousavi	Participant
Saba School	Emergency Solar Water Treatment System By Natural Absorbers For Providing Healthy Drinking Water	Sheida Barfroo	Participant
		Shayesteh Eradati	Participant
		Avin Abootorabigah	Participant
		Nooshin Sharifi Ghazvini	Supervisor
ITALY			
MILSET Member Organization	Project name	Name	Role
Federazione delle associazioni scientifiche e tecniche	Pax	Mattia Scagliola	Participant
		Alberto Ricatto	Participant
		Paolo Scagliola	Supervisor
KUWAIT			
MILSET Member Organization	Project name	Name	Role
Kuwait University	Officer Drone	Hussain Osama Mohammed	Participant
	Smart Passport Machine	Ahmad Ali Hussain	Participant
MILSET Asia-Kuwait	Radio Controlled Car	Abdallah Almuhanna	Participant
LUXEMBOURG			
MILSET Member Organization	Project name	Name	Role
Fondation Jeunes Scientifiques Luxembourg	Capscrew: Twist Your Life Around	Niccolo Hurst	Participant

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Alternative Energy Of Multiples Mechanisms - Aem2	Gabriela Aguilar Chicas	Participant
		Félix Francisco Reyna Beltrán	Supervisor
	Aplication of A Polymer Extracted From The Exuvia Of Cambarellus Montezumae	Jocelyn Monroy Hernández	Participant
		Dulce Jimena Vega González	Participant
		Juan Carlos López Cruz	Participant
	Bolatec	Gabriel Sauza Salinas	Participant
		Gerardo Sauza Salinas	Participant
		Oscar David Godinez Ramirez	Supervisor
	Ghd, Hydraulic Drain Generator	Roberto Flores Rodriguez	Participant
		Ian Alejandro Valdez Gómez	Participant
		J. Carlos Daniel Guardado Esparza	Participant
		Brenda Gabriela Pérez Mauricio	Supervisor
	Osid: Open Source Industrial Datalogger	Bernardo Alejandro León Gallegos	Participant
		Samuel Del Ángel Hernández Hernández	Participant
		Cristian Ronaldo Hernández Lamas	Participant
		Oscar Castillo Martinez	Supervisor
	Rescue Dasc	Angel Efrain Martinez Abundis	Participant
		Olivia Janini Lopez Martinez	Participant
		Alan Saul Escobar Ortega	Participant
PALESTINE			
MILSET Member Organization	Project name	Name	Role
Higher Council for Innovation and Excellence	Smart Door	Elias Jalil Elias Amro	Participant

PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio Nacional de E.M.D. Asunción Escalada	Obtainingwater Through The Humidity Present In The Air	Salinas Alsina, Diana Raquel	Participant
		Formigli Arguello, Giuliano Fabrizio	Participant
		Admen Oliveira, Abel	Supervisor
	Resistance Improvement In Construction Materials From Mango Latex	Inge Alexandra Gaona Gonzalez	Participant
		Mair Aylen Marin Sosa	Participant
		Salma Fiorella Saggia Colman	Participant
		Juan Ramon Ramos Benitez	Supervisor
Colegio Privado Bilingüe Girasoles	Design And Implementation Of An Automated Greenhouse For The Production Of Hydroponic Green Forage, Colegio Politécnico Cooperativa Multiactiva Capiatá Ltda, 2018	Fernando Rene Molinas Franco	Participant
		Carlos Daniel Ozuna Benitez	Participant
		Nilza Beatriz Gonzalez De Pereira	Supervisor
POLAND			
MILSET Member Organization	Project name	Name	Role
Fundacja Zaawansowanych Technologii	Artificial Phototropism	Karolina Gocyk	Participant
ROMANIA			
MILSET Member Organization	Project name	Name	Role
MILSET Romania	Trashure Hunter - The Environment Savior	Badaruta Bianca-andreea	Participant
		Fleser Mihai	Participant
		Essigmann Christian-george	Participant
		Stanculescu Adina Mihaela	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Secrets Of A Weaving Loom	Osin Boris	Participant
		Gachkova Kseniia	Participant

TUNISIA			
MILSET Member Organization	Project name	Name	Role
Tunissian Association for the Future of Science and Tecnology	Tech-step	Rim Glaied	Participant
		Imen Ghodhbane	Participant
	Fire Fighting Robot	Mehdi Abdeljelil	Participant
		Chedhli Bouhaha	Participant
		Amal Bannour	Participant
TURKEY			
MILSET Member Organization	Project name	Name	Role
Izmir Private Cakabey Schools	Portable Fiber Optic Sensor Based On Fresnel Reflection	Ilayda Törelİ	Participant
UKRAINE			
MILSET Member Organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Cryoacoustic Processing Of Scrap Tires	Danylo Kovalenko	Participant
	Projects Of Ukrainian Launch Vehicles For Air Launch	Bohdan Borovyk	Participant
		Oksana Pleskach	Supervisor

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Aiding Closet	Saif Mohamed Saeed Salem Aljaberi	Participant	Applied Technology High School, Mbz
	Mohamed Ziad Ali Othman Almahri	Participant	
	Ahmed Hassan Muhamed Sweleh	Supervisor	
Approval Anklet	Maaney Sultan Ali	Participant	Al Siji School For Girls
	Shouq Rashed Saeed	Participant	
	Mozah Salem Jumah	Participant	
	Adam Wesley	Supervisor	
Auto Seeding Robotic Vehicle	Thamer Rashed Ahmed Ahmed Almarshoodi	Participant	ATHS
	Salem Saleh Altamimi	Participant	
	Abdulla Mohammed Alkhroossi	Participant	
	Humaid Hamad Alhamdani	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Automated Electrocoagulation-ozone Technology For Wastewater Treatment	Ahmed Abdulla Abdelaziz	Participant	Applied Technology High School - Fujairah
	Sultan Abdalla Ali Sultan	Participant	
	Asma Saleem Mousa Oudat	Supervisor	
Automated Smart Garage	Ahmad Abdulla Ahmad Adnan Alhashmi	Participant	Applied Technology High School, Mbz
	Faris Ali Abdulwahid Alhammadi	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	
Automatic Drain Cleaner	Mashqi Salem	Participant	
	Dana Omar	Participant	
	Judy Matar	Supervisor	
Automatic Fire Extinguisher In Vehicles	Shahad Mohammed Rashid Khalifa Alghfeli	Participant	Falaj Al Mualla Girls School
	Hanan Hussain Binkardoos	Supervisor	
	Aisha Abdulqader	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Automatic Irrigation System	Salem Saeed Abdallah Salim Al Saeedi	Participant	ATHS
	Rashed Khaled Aljunaibi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Automatic Window Cleaner	Hind Mohammed	Participant	
	Mariam Omar	Participant	
	Judy Matar	Supervisor	
Calculator For Visually Impaired	Mohammed Rashid Saif Alshamsi	Participant	ATHS Aqb
	Mounir Zeraouti	Supervisor	
Cars Fire Fighter	Mohammad Ali Alshamsi	Participant	Applied Technology High School - Ajman
	Ali Mohammed Alawadhi	Participant	
	Omer Abd Elrahman	Supervisor	
Co2 Monitor	Faisal Abdulrahman Alkamali	Participant	
	Abdullah Rashid Alnaqbi	Participant	
	Anas Mustafa Ramadan	Supervisor	
Compressor	Zayed Abdulla Salem Alkhyeli	Participant	Horizon Private School
	Hareb Abdulla Salem Alkhyeli	Participant	
	Ghada Hassan Abdelmoteleb Elmaghraby	Supervisor	
Construction Workers Vital Sign Monitoring System	Marwan Ahmed Yousef Binsaifan Alshamsi	Participant	Applied Technology High School, Mbz
	Zayed Ahmed Alharthi	Participant	
	Ahmed Hassan Mohammed Sweleh	Supervisor	
Detection And Analysis Of Underground Water Using Remote Sensing And Gis Techniques	Anoud Abdallah Shalwani	Participant	American University Of Sharjah
	Sheikha Hessa Faisal Alqasemi	Participant	
	Tarig Abdel Gayoum	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Electric Rump	Saood Faisal Salem Husain Alsaadi	Participant	Applied Ttechnology High School- mbz
	Rashed Ammar Mahmood Fatihali	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	
Emergency Electromagnetic Braking System	Athary Ebrahim Salahi	Participant	Al Dhait School
	Asma Mohammed Hasan Ali Alblooshi	Participant	
	Baraah Hussiein Al-kharabsheh	Supervisor	
Environmental Friendly Vacuuming Bicycle	Alya Majid Muhair Alketbi	Participant	Applied Technology High School - Umm Al Quwain
	Latifa Khalifa Rashid Alketbi	Participant	
Equipment Safety System	Maitha Yunis Husain Almarzooqi	Participant	Emirates Science Club
	Ashraf Ahmed Mohamed Senbel	Supervisor	
Explorer Robot For Laser Ball	Rashed Mubarak Saeed Alshamsi	Participant	ATHS Aqb
	Khalifa Abdullah	Participant	
	Mounir Zeraouti	Supervisor	
Falcon - X	Khameis Mosabbah Ali	Participant	Hamad Bin Abdullah Al Sharqi School
	Ali Adel Ali Aldhokhairy	Participant	
	Hassan Jamaal Hassan Khameis Aldhanhani	Participant	
	Mohamed Salmi Mohamred	Supervisor	
Fire Detection And Warning System	Buthaina Mohamed Khalifa Alzaabi	Participant	Al Shefa Bint Abdulla School
	Shaikha Rashid Saeed Alzaabi	Participant	
	Mariam Almaharmeh	Supervisor	
Garbage Sorting Machine	Hazza Sultan Omair Saeed Alketbi	Participant	STS-ATHS Baniyas
	Sufian Ishaq Anaz Titi	Supervisor	
Go Cart	Zahra Saleh Mohammed Alameri	Participant	Liwa International School
	Asmaa Samir Mustafa	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Heat Exchange	Mohammed Nabeel Alblooshi	Participant	
	Dr. Hussein Abdelhameed Alsmaird	Supervisor	
Helpful Window	Wadima Mubarak Sarhan Salem Altamimi	Participant	Al Sheyam School
	Shamma Mohammed Mrash Hadid Alketbi	Participant	
	Aziza Khamis Khalifah Matar Al Azeezi	Supervisor	
Hot Press	Abdullah Ali Alsayari	Participant	
	Dr. Hussein Abdelhameed Alsmaird	Supervisor	
Infrared Emission Camera For Foggy Weather	Saud Salim Mohamed Salem Alnaqbi	Participant	Applied Technology High School - Boys - Ajman
	Sultan Yousif Ahmed Alhosani	Participant	
Intelligent Assistance For The Deaf Or Hard Of Hearing	Fatima Qahtan Alzaidi	Participant	Secondary Technical School
	Maitha Hamad Alketbi	Participant	
	Shamma Salem Alrashdi	Participant	
	Taif Aljebory	Supervisor	
Invincible Handcuff	Amna Thamer	Participant	
	Maitha Jassem	Participant	
	Judy Matar	Supervisor	
Keep Children Safe	Hussain Ghadhoob Salem Moosa Salem	Participant	Higher Colleges Of Technology - Dubai Men's College
	Ibrahim Ahmed Taqi	Participant	
	Govindaraju Kalimuthu	Supervisor	
Ksh5a (A Cabinet For Steam Ironing & Incense Imbueding Garments)	Majed Hamoud Abdulla Hamad Alsenaani	Participant	ATHS
	Mansoor Salah Aljuneibi	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	

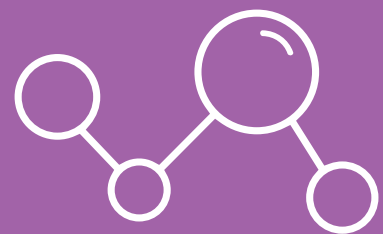
United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Lpg Gas Leak Detector	Khalifa Abdullah Al Nuaimi	Participant	
	Mohammed Hmoud Al Kalbani	Participant	
	Mohammed Badwan	Supervisor	
Maḡakum	Hamda Saleh Mohamed Hassan	Participant	Ruqayya School
	Asma Kamal Mohamed	Participant	
	Suha M. A. Khaswan	Supervisor	
Magic Drawing- Electricity Pen	Mohammed Aljassim	Participant	Al Mawakeb School
	Alia Alahli	Participant	
Mobile Controlled Elderlies Enhancement And Support System	Rashed Abdulla Alhammadi	Participant	ATHS
	Sufian Ishaq Anaz Titi	Supervisor	
Modern Wings De-icing System	Noura Rubayea Mubarak Rubayea Alneyadi	Participant	
	Meera Khalaf Mohammed Khalaf Al Mheiri	Participant	
	Taif Al Jebory	Supervisor	
Multi Saver Sensor	Fatima Hasan Alshamsi	Participant	
Palm-robo	Aisha Sultan	Participant	Almawahb
	Maitha Mohammed	Participant	
	Asayl Khalifa	Participant	
	Shaimma Ahmed	Participant	
	Shaikha Alnuaimi	Supervisor	
Plc Controlled Smart Shower System	Mohamed Maamoon Mohamed Alharthi	Participant	STS-ATHS Baniyas
	Zayed Khaled Alhashmi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Pneumatic Car	Nasser Abdulhameed Alshehhi	Participant	
	Dr. Hussein Abdelhameed Alsmaird	Supervisor	
Power On The Go	Mohammed Khalid Al Saadi	Participant	
	Hamad Alaryani	Participant	
	Mohammed Al Nuaimi	Participant	
	Mohammed Badwan	Supervisor	
Pull Oil	Meera Mohammed Alshaeer	Participant	Applied Technology High School - Girls - Abu Dhabi
	Ghada Shafi Naser Alhajeri	Participant	
	Shamma Mohammed Alshamsi	Participant	
	Buthaina Ali Abandah	Supervisor	
Rescue Bot Rover	Shamma Sultan Saeed Alaleeli	Participant	Applied Technology High School - Girls - Ajman
	Shamma Ahmed Saif Khalifa	Participant	
	Buthaina Ali Abdelrahim Mohammed	Participant	
	Lekshmi Devi Velayudhan	Supervisor	
	Ahia Alharmodi	Supervisor	
Road Vacuum Cleaner Rvc	Fatma Alqassim	Participant	Dubai National School - Al Barsha
	Alia Alnyadi	Participant	
	Rania Abdelrahman Fahmy	Supervisor	
Rov Based Underwater Welding System For Offshore Applications	Saif Ahmed Mohammed Alhammadi	Participant	Applied Technology High School - Boys - Abu Dhabi
	Ahmed Sweleh	Supervisor	
Semi Auto Pipe Cutting Machine	Hamdan Rashed Alebri	Participant	STS-ATHS Baniyas
	Sufian Ishaq Anaz Titi	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Serving P.o.d. Via lot	Maryam Tahnoun Rashed Ali Alhefeiti	Participant	Madhab Secondary Girls School
	Sarah Ahmed Saeed	Participant	
	Shaikha Nourah Abdulla Hamad Abdulla Al Sharqi	Supervisor	
Shoe For The Visually Impaired	Ayesha Abdulrahman	Participant	
	Hajer Salem	Participant	
	Judy Matar	Supervisor	
Sign Safety Bicycle	Maryam Mubarak Alnuaimi	Participant	Applied Technology High School - Girls - Al Ain
	Alia Saleh Musaed Abdalla Almansoori	Participant	
	Mariam Salem Alshamsi	Participant	
	Huda Hussein Abdallah	Supervisor	
Smart Dustbin	Sultan Khaleefa Saeed Khalfan Alfulaiti	Participant	ATHS
	Hazza Mohammed Alhashmi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Smart Mirror	Layla Taleb Alhebsi	Participant	Al Hudaibah School
	Eiman Jasim Alnuimai	Participant	
	Maryam Mohammed Saeed Almansoori	Participant	
	Madeeha Samad Abdul Samad	Supervisor	
Sunlight Driven Desalination Devices	Maryam Khalfan Khamis Al Qaydi	Participant	Khalifa University
Teach In Braille	Ayesha Saeed Ahmed Saeed Alremeithi	Participant	ATHS
	Aishah Saif Mohamed Albreiki Almazrouei	Participant	
	Besintha Marakkarakath	Supervisor	
The Fuel Cycle Of The Future	Dana Yousif Al-ali	Participant	Applied Technology High School - Girls - Ajman
	Mariam Tamil	Supervisor	

United Arab Emirates			
MILSET member organization	ACTVET		
Project name	Name	Role	School
The Moving Solar Farm	Faris Hussain Almarzouqi	Participant	
	Dr. Hussein Abdelhameed Alsmaird	Supervisor	
The Smart Microphone	Alanood Bader Almatar Bani Malek	Participant	Al Roya School
	Amani Thwaini Almansoori	Supervisor	
Ugv For Landmines Sweeping	Majid Khalfan Mohammed Alyarwan Alshamsi	Participant	Applied Technology High School Ajman
	Abdallah Ahmed Abdallah Seyood Alshehhi	Participant	
Vertical Axis Wind Turbine Electric Generator	Ahmed Abdullah Al Hamadi	Participant	ATHS
	Hazza Sultan Alketbi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Water Cop	Abdullah Jasem Alazabi	Participant	Applied Technology High School - Sharjah
	Humaid Abdullah Alhammadi	Participant	
	Hussain Ali Almussallam	Participant	
	Umair Syed	Supervisor	





BEHAVIORAL AND SOCIAL SCIENCES

Projects in this category described new behavioral traits of various organisms (including humans), their migration during a year or a longer period, behavioral changes during ontological development or a longer period. Participants used appropriate statistics tools to showcase their projects.

52 PROJECTS



ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Asociación Vida y Ciencias	Sustainable Energies: The Wind As A Resource In Tandil	Mia Moscuza	Participant
		Oriana Grasso	Participant
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Feria Nordestina de Ciencias y Tecnologia	Blood Donation, An Endless Search!	Gabriele Pinheiro Bonfada	Participant
	Teaching Music With A Rubens Tube	Leonardo Costa Nunes Ananias	Participant
		Sofia Rodrigues De Souza Leao Araujo	Participant
		Isabel Francisca Da Luz Guaraná	Supervisor
Movimento pela Ciência e Aprendizagem Brasil	Tabus Project - Talking About Everything And More: A Strategy To Prevent Psychic Distress And Promotion Of Health Of Secondary School Students.	Gabriela Altmayer Blanco	Participant
		Felipe Wachholz Bartz	Participant
		Bruna Corvello Stifft	Participant
		William Kelbert Nitschke	Supervisor
Movimiento Científico Norte e Nordeste	Drinking Water, Household Production: Making Drinking Water Condensed By Air Conditioners	Fellipe César De Santana Ramos	Participant
		Lielba Maria Alves De Brito Ramos	Supervisor
	Project Junior Painters: Life And Work Of The Artist Miriam Mercí	Ana Leticia De Almeida	Participant
		Flaviany Coutinho De Holanda	Participant
		Júlia Vitória Ferreira Do Nascimento	Participant
		Ana Glaucia De Araujo Silva	Supervisor
	The Application Of The Power Of Melodious Musical Pattern	Cecília Loretti Paiva	Participant
		Tays Aguiar Seidel	Supervisor
BULGARIA			
MILSET Member Organization	Project name	Name	Role
Evrika Foundation	The Influence Of Exogenous Capital On Asset Return	Victor Stilianov Kolev	Participant
		Stefan Martinov Hadzhistoykov	Participant

CANADA			
MILSET Member Organization	Project name	Name	Role
Réseau Technoscience	Art As Healing	Destiny Cote	Participant
		Jan Cote	Supervisor
CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	Cosmic Petroglyphs	Martín Barraza Solari	Participant
		Carlos Alberto Montenegro Sánchez	Supervisor
	Diversifying Multiplicatives Strategies, An Oportunity To Including And Deeping Learning	Jahel Ignacia Cornejo González	Participant
		Patricia Belén Olivares Castillo	Participant
		Alejandra Lorena Farfán Álvarez	Supervisor
COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Academic Valuation Of The Approach To Entrepreneurship Of The Business School Of Universidad Sergio Arboleda	Natalia Maria Gutierrez Mora	Participant
	Communicative Practices In The School Boosted By The School Radio	Yessica Lorena Bonilla Carvajal	Participant
	Curricular Presence Of Sport Psicology Subjetc In Psicology And Phisical Education Academic Pensum, In Colombia	Camila Gutiérrez Carmona	Participant
	Design And Validation Of A Strategic And Methodological Route For Consulting And Comprehensive Training In Business Innovation Of Micro And Small Businesses In North Of Santander.	Erika Paola Villamizar Faber	Participant
		Claudia Milena Perez	Supervisor
	Design Of The Abc Cost System For The Ambiakú Limited Company Tourist Center, Colón - Putumayo	Zenith Yamileth Luna Zenón	Participant
		Rudy Dayana Pantoja Ortega	Participant
	Identifying A Development Concept Based On Four Pillars	Johan Nicolas Garcia Serrano	Participant

COLOMBIA			
MILSET Member Organization	Project name	Name	Role
	Implementation Of The Management Information System To Dynamize The Endogene Potential Of The Sheep And Goat Sector Of The Middle Chicamocha Region.	Jorge Eduardo Cárdenas Campos	Participant
		Carmen Daniela Guerrero Valderrama	Participant
		Laura Yolina Mesa Forero	Supervisor
	Justice And Strong Institutions As A Global Goal For Peacebuilding And Reconciliation In The Framework Of The Colombian Post-agreement	Ana Lucía Rivera Betin	Participant
	Manifestations Of The Culture Picotera In Barranquilla	Rafael Leonardo Blanco Terán	Participant
	Normative Framework To Regulate The Substitute Maternity Praxis In Colombia.	Carlos Andres Becerra Rangel	Participant
		Omar Yesid Castellanos Rodriguez	Participant
		Nelson Fernando Gaona Diaz	Supervisor
	Pedagogical Practices In Multi-grade Classrooms	Marbelis Montiel Koen	Participant
		Liseth Maria Pushaina Perez	Participant
		Yesica Maria Moreno Vargas	Supervisor
	Promoting Reading And Writing Inclusion	Ana Milena Ramirez Marin	Participant
	Sexting: The Invisible Phenomenon Of Current Communication	María Fernanda Cáceres Lizarazo	Participant
		Erika Tatiana Galvis Martínez	Participant
		Nancy Viviana Lemos Ramírez	Supervisor
	The Fair Trade As A Regional Economic Development Strategy For The Cocoa Sector In The Department Of Santander.	Maria Camila Gomez Cardenas	Participant
	Uses Of Strategic Communication For The Development Of Competitiveness Seen From The Public Transport System In Santa Marta.	Fionna Vanliner Locarno Limienta	Participant
		Maria Alejandra Olarte	Supervisor

INDONESIA			
MILSET Member Organization	Project name	Name	Role
Doctorabbit Science Inc	How To Increase Mood To Study At School	Keisha Jetta Azalia	Participant
		Kayla Khairunnisa Setiono	Participant
		Kaila Rahmani	Participant
		Shafiyah	Participant
	Modification Of Jenga For Children Learn About Indonesia Culture	Nadhira Khalishah Isdianto Putri	Participant
IRAN			
MILSET Member Organization	Project name	Name	Role
Avicenna Research Center	Memory Improvement: A Survey	Fatemeh Jaber	Participant
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Chemistry Virtual Laboratory Controlled By Leap Motion Technology (Iktan)	Álvaro Martínez García	Participant
		Aldo Enrique Remigio López	Participant
		Alma Delia Apale Zitzihua	Participant
		Nancy Aracely Cruz Ramos	Supervisor
	I Challenge You To Meet Your Family	Cristopher David Hernández Rodríguez	Participant
		Germán Garay Medellín	Supervisor
	Learn To Respect Me. ¿i Am Your Money!	Ana Berenice Barragán Rentería	Participant
		Paulino García Ramírez	Supervisor
	Letter-braille Translator	Daniel Jared Franco Carrillo	Participant
		Jaime Ismael Hernandez Adame	Participant
		Max Eduardo García Esquivel	Participant
		Ricardo Eugenio Aguirre Barousse	Supervisor

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Mi Otomito Play Learn Fun	Michelle Mithe Simon	Participant
		Xally Kobe Tejamanil Castañon	Participant
		Jesus Chavez Peña	Participant
		Rosario Pedraza Hernández	Supervisor
	Ñuu lin Nuu (United Indigenous Peoples)	Jesus Eduardo Castro Rodriguez	Participant
		Jóse Alberto Tenorio Gonzalez	Supervisor
MOROCCO			
MILSET Member Organization	Project name	Name	Role
Association Marocaine des Petits Débrouillards	Living Together	Hiba Lahmouch	Participant
		Najlae Zaroual	Participant
		Ikram Gaboun	Participant
		Rachida Mohtareme El Alaoui	Supervisor
PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio Privado Bilingüe Girasoles	Logica + Juegos = Aprender	Amy Kiara Nakamura	Participant
	Maker Space	Kenji Rafael Watanave Malanczuk	Participant
		Anisa Mansuri Solano	Participant
	Aprender Con Emocion	Camila Belen Ibarra Fernandez	Participant
		Sakura Mariela Kurosu Moriya	Participant
		Sumire Carolina Kurosu Moriya	Participant
Colegio Técnico Nacional y Centro de Entrenamiento Vocacional de Encarnación	Deforestation In Ñemby	Natalia Vanesa Ovelar Delvalle	Participant
		Arnaldo Villasboa Molinas	Participant
		Blas Inocencio Moraiz Guerrero	Supervisor

RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Constitutional State In Russia. A Look At The International Question From The School Office	Timofeev Vladimir	Participant
		Tsyrenova Marina Gennadievna	Supervisor
	Psycholinguistics: A Key For Unlocking The Moral Judgement	Skoltsova Ekaterina Alekseevna	Participant
SAUDI ARABIA			
MILSET Member Organization	Project name	Name	Role
STEM Centers	Minor Pilgrimage	Alrwuaili, Shatha Suwaykit H	Participant
		Alruwaili, Suwaykit Habib D	Supervisor
SPAIN			
MILSET Member Organization	Project name	Name	Role
Instituto de Investigaciones Científicas y Ecológicas	History Of Beliefs	Saúl Gallego Martínez	Participant
TUNISIA			
MILSET Member Organization	Project name	Name	Role
Tunissian Association for the Future of Science and Technology	Ginap	Sana Ben Hadj Hassine	Participant
		Yasmine Laatiri	Participant
		Jaouher Dridi	Participant

TURKEY			
MILSET Member Organization	Project name	Name	Role
Izmir Private Cakabey Schools	Determining The Problems Of Disabled Young People In School And City Life And Development Of Methods For Solution	Derin Ünal	Participant
		Defne Çökük	Participant
		Burcu Cebeloglu	Supervisor
	Female Labor – Housemaids	Ekin Çolakoglu	Participant
	Relationship Between Anger Levels And Obsessive Compulsive Behaviours Of High School Students	Alihan Kalfa	Participant
	The Father Factor In Cognitive And Emotional Development Of 2 To 6 Years Old Children	Naz Genç	Participant
		Ismet Yalvaç	Participant

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
A Smart Companion To Aid People Of Determination	Duaa Ali Sulaiman Ali Hraiz	Participant	
	Dalia Abdelftah Elbashir lessa	Supervisor	
Civil Defense Tweet	Dana Younis	Participant	
	Shaima Saleh	Participant	
	Judy Matar	Supervisor	
disabled parking assistance	Sultan Ali Alsaedi	Participant	
	Saeed Khalid Alnyadi	Participant	
	Omar Ali Alhendaassi	Participant	
	Mohammed Badwan	Supervisor	





ELECTRIC AND MECHANICAL TECHNOLOGY

Participants proposed new components in common mechanisms to make them more efficient. Some devised brand-new mechanisms; others also devised and implemented new circuits and elements in electric devices.

90 PROJECTS



UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Anti-Fire Drone	Shouq Mohamed Binshemel	Participant	English School Of Kalba
	Deepa Renadev	Supervisor	English School Of Kalba
Automatic Metal Bending And Forming Machine	Sultan Khalid Abdulla Mohamed Abdulla	Participant	Applied Technology High School - Ajman - Boys
	Abdalla Mahmoud Mohamed Tahir Alzarooni	Participant	Applied Technology High School - Ajman - Boys
Automatic Solar Panel Washing System	Jawaher Bashir Al Mulla	Participant	Higher Colleges Of Technology - Sharjah Women's College
	Hamda Fadil Alhamer Al Ali	Participant	
	Kamal Abuqaaud	Supervisor	
Dates Picker	Alreem Hassan Saeed Almazrouei	Participant	Al Shefa Bint Abdulla School
	Aisha Adnan Saeed Almatrooshi	Participant	
	Shahad Mohamed Almarashda	Participant	
	Aisha Abdelrahman Alzarooni	Supervisor	
Drone Killer	Abdulla Aldanhani	Participant	Applied Technology High School - Ras Al Khaimah
Dual Purpose Uav Drone	Noora Fareed Hasan Ali Almarzooqi	Participant	Al Khaleej National School
	Hamdan Mohamed Hasan Ali Almarzooqi	Participant	
	Rihab Adnan Maksoud	Supervisor	
Emergency Mechanism For Cruise Control Malfunction	Abdullah Asad Alawadhi	Participant	Applied Technology High School - Fujairah
	Mansour Mohamed Ahmed Alyoha	Participant	
	Saud Mohammed Al Hashimi	Participant	
	Edward Amego Gakpe	Supervisor	
	Mohd Abdallah Mofleh Elomari	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Feeding Animal System	Mouza Ajail Mohammed Balsoub Alketbi	Participant	Al Thaqafa School For Girls
	Aisha Hamad Salim Alshabbani Alketbi	Participant	
	Afra Salim Ali Saleem Alketbi	Participant	
	Amal Safieljlil	Supervisor	
Finger Print Secured Smart Atm	Khalifa Ali Matar Alqaydi	Participant	Shawkah School
	Falah Saif Almazrouei	Participant	
	Hamdan Rashed Alamzrouei	Participant	
	Rahul Rajagopalan	Supervisor	
Fire Extinguisher Eco-Friendly	Zayed Mohammed Mahdi Fahed	Participant	Khalifa Bin Zayed
	Nasser Salem Nassib Hamad	Participant	
	Abdallqader Mohammed Nashei	Participant	
	Mouhamad Nizar Ahmed Najar	Supervisor	
Flight Control System	Saeed Mohammed Alsareeri	Participant	
	Saeed Omar Alamri	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
Flight Simulator	Mohamed Yazeed Mohamed Mubarak Alkatheeri	Participant	STS
	Abdulla Mohamed Abdulla Obaid Alfarsi	Participant	
	Hareb Hasan Almarzoqi	Participant	
	Abdulraheem Mohammed	Supervisor	
Gas Sensor Protocol	Yousef Mohamed Ali Yaser Alhattali	Participant	ATHS
	Abdulla Khalifa Alhammadi	Participant	
	Ahmed Hasan Sweleh	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Home Automation	Amer Rabea Faisal Alnahdi	Participant	ATHS
	Mohammed Jasem Mohammed Alzaabi	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	
Icateye	Mohammed Abdulla Alnuaimi	Participant	Khalid Bin Al Waleed School
	Amro Mohmed Alhadi	Supervisor	
Intelligent Guard Of Building	Sada Sultan Ali Saeed Almansoori	Participant	Al Shawamekh School
	Shamsa Sultan Ali Saeed Almansoori	Participant	
	Arwa Saeed Mohammed Alhemeiri	Supervisor	
Keep A Life With Smart Ac	Jawaher Sulaiman Alyahyaee	Participant	Al Hoor School
	Amani Saeed Ali Alshehhi	Participant	
	Mariam Ali Hassan Ali	Participant	
	Rajaa Ahmed Mansour Al Khalaileh	Supervisor	
Mcygyver	Nora Nader Al Marzooqi	Participant	Institute Of Applied Technology Abu Dhabi Girls
	Judy Matar	Supervisor	
Peaceful Stay In The Desert	Rashed Sultan Rashed Alsamahi	Participant	Secondary Technical School - Fujairah
	Ali Abdulla Ali Aldelli Al Ali	Participant	
	Mohd Abdallah Mofleh Elomari	Supervisor	
Power Saving Energy	Humaid Ismail Almaskari	Participant	
Railway Track Security System	Mezna Mohamed Ahmed Alyammahi	Participant	Huniun School
	Naema Mohamed Abdulla Matar	Participant	
	Jawaher Omar Abedelaziz Alnobani	Supervisor	
Raspberry Based Basic Home Security	Fatima Abdulsattar Mohammed	Participant	Secondary Technical School - Girls - Ajman
	Mariam Ali Khamis Alali	Participant	
	Ohoud Adel Almutawa	Participant	
	Janet Lara Barrera	Supervisor	

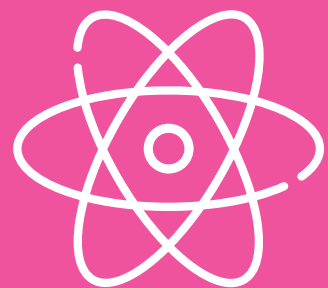
UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Refugee Life Saver In Desert Camps	Sara Jasem Ahmed Almansoori	Participant	Applied Technology High School - Girls - Abu Dhabi
	Ameena Saleh Juma Alhosani	Participant	
	Hamda Hamad Suhail Almasoori	Participant	
	Maha Amer Hamad Alhajeri	Participant	
	Maisaa Othman	Supervisor	
Robot Pipe Fixer Rpf	Roudah Abdulla Humaid	Participant	Dubai National School - Al Barsha
	Sarah Sultan Ghuloom	Participant	
	Alia Yousif Ahmed Alhammadi	Participant	
	Diana Abdul Hamid Issa Mousa	Supervisor	
	Maysoon Ashhab	Supervisor	
Safe Mabkhara	Zayed Matar Alktebi	Participant	Khalifa Bin Zayed
	Humaid Abdulla Khamis Al Eissaee	Participant	
	Abdul Aziz Mohammed Said	Participant	
	Mouhamad Neizar Ahmed Najar	Supervisor	
Saver Soldiers Drone (Monqeth)	Auhood Mohamed Musleh Aljailani	Participant	Applied Technology High School - Girls - Abu Dhabi
	Zainb Mohamed Ibrahim Albahluli	Participant	
Secure Exits	Amna Ayoob Al Balooshi	Participant	Al Nuaimia School
	Aysha Ameer Al Balooshi	Participant	
	Mahra Abdurahman Al Balooshi	Participant	
	Klethem Abdullah Almazroouei	Supervisor	
Self Directed Wheelchair For The Determined Ones	Fajr Yousif Mohammed Abdullah	Participant	Applied Technology High School - Girls - Al Dhafrah
	Shaikha Ali Ibrahim	Participant	
	Mohammad Lutfi Isaied	Supervisor	
Self Parking Car	Mansoor Naser Alrashdi	Participant	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Smart Crutches Base	Aisha Abdelrahman Aldarmaki	Participant	Al Raheeb School
	Sendeya Abdulla Alhassani	Supervisor	
Smart Hand Controlled Robot Car	Mohamed Jasim Alzaabi	Participant	Applied Technology High School - Fujairah
	Saeed Khalifa Rashed Mohamed	Participant	
	Omar Hassan Mohamed Barout	Participant	
	Asma Saleem Mousa Oudat	Supervisor	
	Mohd Abdallah Mofleh Elomari	Supervisor	
Smart Harmful Gas Detection And Warning System	Alya Khalifa Rashed Alwali Alnaqbi	Participant	Fujairah School For Girls
	Maryam Ahmed Mohamed Alyammahi	Participant	
	Retaj Shahein Abdulla Alnuaimi	Participant	
	Nisi Krishnan	Supervisor	
Smart Self Service	Mahra Ali Alhajri	Participant	Applied Technology High School - Girls - Abu Dhabi
	Muzoon Ahmed Almaamari	Participant	
	Ghalya Mohamed Alhammadi	Participant	
	Shawq Ahmed Almaamari	Supervisor	
Smart Socket	Wadeema Shahein Alnuaimi	Participant	Fujairah School For Girls
	Leila Hamidi	Supervisor	
Smart Wheel	Shamma Awadh Hadher Jum	Participant	Dubai National School - Al Barsha
	Salma Juma Rashed Abdulla	Participant	
	Rania Abdelrahman Fahmy	Supervisor	
Solar Powerpanel Auto Cleaning	Abdulla Hussain Al Hashemi	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Static Automobile System	Yasmeen Ali Alamiri	Participant	Applied Technology High School - Girls - Ajman
	Mira Yousif Al Marzouqi	Participant	
	Nama Abdelrahman Al Marzouqi	Participant	
	Sandhya Mygur Krishna	Supervisor	
Svd System	Alia Mohammed Alhammadi	Participant	Abu Dhabi Polytechnic
The Smart Trolley	Sultan Arif Abdalla Al Ali	Participant	Secondary Technical School - Sharjah
	Mohamed Ahmed Obaid Alnaqbi	Participant	
	Reema Abdalkarim	Supervisor	
The Trap Project	Saeed Sultan Moahmmed Almerri Alshehhi	Participant	Shamal School - Boys
	Mohammed Abdullah Ali Albayyed Alshemeili	Participant	
	Mohammed Faisal Saeed Aldehhi Alshemeili	Participant	
	Hamad Abdulla Alsuwaidi	Participant	
	Saeed Faisal Alshemeili	Participant	
	Ali Mohammed Ali Alnawa Alshemeili	Supervisor	
Uav For Military Purposes	Kaled Ali Saeed Alshaloubi Alnaqbi	Participant	Al Khalil Bin Ahmed School
	Rashid Abdalla Rashid Alkhouri Alnaqbi	Supervisor	
Using Technology - How To Childproof A Balcony	Sarah Saeed Salim Hamad	Participant	Applied Technology High School - Umm Al Quwain
	Amna Ibrahim Abdalla Karam Mohamed	Participant	
	Maryam Mohammed Ali Yousef Shahin Bani Hammad	Participant	
	Muthurajan Suyambu	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Wheelchair Bed	Reem Basem Othman Salem Mohammed Almohammed	Participant	Applied Technology High School - Girls - Abu Dhabi
	Shouq Khalid Mohamed Abdulla Alhammadi	Participant	
	Sara Basem Othman Salem Mohammed Almohammed	Participant	
	Asma Abdulla Ahmed Ali Al Hamed	Participant	
	Buthaina Ali L Abandah	Supervisor	
Milset Member Organization	EMIRATES SCIENCE CLUB		
Electronic And Mechanical Technology			
Project Name	Name	Role	
Safety Swimming Pool For Kids	Ahmed Abdelrahman Mohamed Alzarooni	Participant	
Smart Food Storage System	Shamma Sultan Alattar	Participant	
	Sameera Abdulrahman Almulla	Supervisor	





PHYSICS & ASTRONOMY

Projects included physical solutions to various problems that have not been solved yet. Participants supported their solution with programs and simulations and presented their observations of various celestial bodies (binary stars, asteroids, occultation, variable stars etc.) and used obtained data to draw results.

33 PROJECTS



ALGERIA			
MILSET member organization	Project name	Name	Role
Association scientifique astronomique wilaya d'Alger	Solar System Model	Rami Serine	Participant
		Sellam Mouad Abdelmalek	Participant
		Ait Ammour Bachir	Participant
		Sellam Abdelaziz	Supervisor
BAHRAIN			
MILSET member organization	Project name	Name	Role
Bahrain Science Center	Water From Air	Mariam Mohamed Noor	Participant
	The Impact Of The Sunspots On The Solar Radiation Of The Earth Over Time	Fajer Adnan Aldhahiri	Participant
CANADA			
MILSET member organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Radio Eyes Black Hole Hunter	Jarek Osika	Participant
	Improving Particle Classification In Wimp Dark Matter Detection Experiments Using Neural Networks	Brendon Matusch	Participant
	Phase Transition In One-dimensional Ising Model	Julien-pierre Houle	Participant
	The Kilogram	Nicholas Bélanger	Participant
COLOMBIA			
MILSET member organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Color Reflection Holograms To Exhibit Insects In Museums.	Maria Josef Lopera Acosta	Participant

CZECH REPUBLIC			
MILSET member organization	Project name	Name	Role
Asociace malých debružářů České Republiky	Famous Scientists And Discoverers	Michaela Suvová	Participant
		Karolína Buhlová	Participant
		Ela Kampelsheimerová	Participant
		Monika Mahdalová	Participant
		Katerina Osmiková	Participant
		Jitka Soukupová	Supervisor
	Fun Electromagnetic Phenomena	Martina Krizova	Participant
		Petra Frydlova	Participant
		Jakub Cerny	Participant
		David Michalek	Supervisor
	Fun Physics	Natalie Holubova	Participant
		Eliska Sykorova	Participant
		Stepan Konvalina	Participant
		Vladimir Kuchar	Supervisor
	Recycle And Experiment With Us	Daniel Suva	Participant
		Hana Bárťová	Participant
		Adéla Svobodová	Participant
		Veronika Kalcíková	Participant
		Veronika Jansová	Participant
	The Cosmic And Terrestrial Radiation	Aleš Socha	Participant
		Karolína Kocichová	Participant
		Kristýna Kocichová	Participant
		Libor Lepík	Supervisor

GERMANY			
MILSET member organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	Sinking Bubbles	Elias Kunath Tolaba	Participant
		Conrad Berger	Participant
		Ilka Frigge	Supervisor
KUWAIT			
MILSET member organization	Project name	Name	Role
MILSET Asia-Kuwait	Preparing Nano Silver From Dates	Yousef Ali	Participant
		Khaleefah Aloon	Supervisor
LATVIA			
MILSET member organization	Project name	Name	Role
National Centre for Education	Fabrication Of Single Cadmium Sulphide Nanowire Photodetectors And The Assessment Of Their Photodetecting Capabilities	Olivers Pranis	Participant
MEXICO			
MILSET member organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Is That A Thing?	Damián Koatzin Valadez Rosiles	Participant
		Alexis Adrián Carrillo Medina	Participant
PORTUGAL			
MILSET member organization	Project name	Name	Role
Associação Juvenil de Ciência	Solar Tiles	Francisco Pinto	Participant

ROMANIA			
MILSET member organization	Project name	Name	Role
MILSET Romania	On The Process Of Growth From A Primordial Population To Super-massive Black Holes	Nicolae Constantin-daniel	Participant
	The Simulation Of The Curves That Describe The Radiation Emitted By The Black Body	Hosofschi Mircea - Nicolae	Participant
		Codreanu Radu-andrei	Participant
		Dumitrascu Leonas	Supervisor
		Mandrea Radu-alexandru	Participant
		Lupu Lucian-vasile	Participant
		Dumitrascu Irina	Supervisor
SWITZERLAND			
MILSET member organization	Project name	Name	Role
Schweizer Jugend forscht	Ultrasonic Levitation Visualizer	Matthias Dudler	Participant
		Pius Sieber	Participant
		Joël Beck	Participant
		Larisa Maier	Supervisor
TURKEY			
MILSET member organization	Project name	Name	Role
Oğuzhan Özkaya Educational Institution	Investigation Of Conductance Quantization With Magnetic Field Control And Application Of Biosensor	Dila Çıgdem	Participant

UKRAINE			
MILSET member organization	Project name	Name	Role
Junior Academy of Sciences of Ukraine	Complicated Behavior Of Coupled Body System	Viktor Ulanov	Participant
		Nataliia Rieznikova	Supervisor
	Dynamic Speckle Analysis In Application To Some Problems Of Bioelectromagnetics	Anna Lisova	Participant
	Experimental Testing And Explanation Of The Experiment ‘an Upside Down Glass Of Water’	Roman Sukhanevych	Participant
		Marianna Polianska	Supervisor
	Extension Of The Application Range And Parameters Of The Airy Pendulum For Obtaining Lissajous Curves	Ihor Tarkhan	Participant
	Resonant Elastic Pendulum In Gravimetry	Yana Holovatska	Participant
ZIMBABWE			
MILSET member organization	Project name	Name	Role
Zimbabwe Science Fair	Relevance Of Speed To Gradient	Chiedza Mnangagwa	Participant
		Richard Ngomanyuni	Supervisor

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	Educational Institute
Cooling The Water Of Tanks By Solar Energy	Ahmed Salem Khamis Obaid Alshamsi	Participant	Al Dhahera School
	Mohanned Sami Hussein Karajah	Supervisor	
Ropes From Plastic Bottles	Anjoud Mohamed Ahmed Al Ali	Participant	Al Heerah School
	Rawan Tariq Ali Alyassi	Participant	
	Samer Mhd Nazir Saidawi	Supervisor	
Safety Gas Stations	Khlood Othman Saeed Alhussaini	Participant	Applied Technology High School - Girls - Abu Dhabi
	Khawla Ali Hasan Almarzooqi	Participant	
	Aryam Awadh Salem Almenhali	Participant	
	Muna Mohd Rasheed Al Khasawneh	Supervisor	
Space Shuttle Alabra	Mahra Wesam Alsayegh	Participant	Al Mawakeb School
The Well Being Of Astronauts	Jawaher Mohammad Salahuddin Aljanaahi	Participant	Applied Technology High School - Girls - Ajman
	Altahra	Supervisor	



MATHEMATICAL SCIENCE

In this category, participant presented works and theorems of famous mathematicians with their own applications or proofs. They also attempted to prove theorems or hypotheses that have not been proved yet.

7 PROJECTS



GEORGIA			
MILSET Member Organization	Project name	Name	Role
Georgia Young Scientists Union	Regular Pentagon. Constant Sum Of 2nd, 4th, 6th And 8th Powers	Lizi Ruadze	Participant
		Mariam Tsulukidze	Participant
		Irma Meskhishvili	Supervisor
		Mariami Saparashvili	Participant
		Vano Kakablishvili	Participant
		Mirian Meskhishvili	Supervisor
	Square. Constant Sum Of 2nd, 4th And 6th Powers	Ana Razmadze	Participant
		Gvantsa Gumberidze	Participant
		Eteri Matchavariani	Supervisor
KAZAKHSTAN			
MILSET Member Organization	Project name	Name	Role
Specialized lyceum No 92 named after Mahatma Gandhi	Practical Usage Of Mathematical Methods In Diagnostic Of Educational Process	Salkenov Rauan	Participant
		Yrmekov Aslan	Participant
		Zhilisbayev Nurzhan	Participant
		Taibolat Zhanel	Participant
		Togzybay Shynar	Participant
		Karsybayev Bexultan	Supervisor
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Fracciul	Dulce María Rentería López	Participant
		Rosario Margarita Gutiérrez Hernández	Participant
		María Alejandra Camacho Rivera	Participant
		Mónica Gabriela Jiménez Rios	Supervisor

RUSSIA			
MILSET Member Organization	Project name	Name	Role
Step Into The Future	Generalization Of The Independent Relation Between The Distances In A Circle	Chub Ilia Evgenevich	Participant
	Smooth Numerical Sequences	Egor Maksimovich Glukhov	Participant

UNITED ARAB EMIRATES			
MILSET MEMBER ORGANIZATION	ACTVET		
PROJECT NAME	NAME	ROLE	SCHOOL
Alzheimer Patient Monitoring And Treating Smart Machine	Sulaiman Faraj Sulaiman Faraj Alaleeli	Participant	Khalifa University
	Mohammed Abdullah Abdulghafoor Alawadhi	Participant	
	Mohammed Yousuf Alhammadi	Participant	
	Mohamad Tareq Alshamsi	Participant	
	Khalifa Ibrahim Alhosani	Participant	University Of Sharjah



MEDICINE AND HEALTH

Projects in this category deal with human body, its anatomy, and diseases. Participants tried to test the effect of various substances or radiation on bacterial growth and propose new healing methods.

80 PROJECTS



ARGENTINA			
MILSET Member Organization	Project name	Name	Role
Asociación Vida y Ciencias	Calculating Sports	Pedro Agustín Dittler	Participant
		Valentín Andrián Gotte Hernández	Participant
		Pedro Omar Dittler	Supervisor
AUSTRIA			
MILSET Member Organization	Project name	Name	Role
Austria Wirtschaftsservice Gesellschaft mbH	Artificial Leg	Niess Manuel	Participant
		Peterka Sebastian	Participant
		Reisenhofer Katrin	Participant
		Schönauer Carmen	Participant
		Siegl Thomas	Participant
		Pangerl Martin	Supervisor
BRAZIL			
MILSET Member Organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Common Mental Disorder Profile In Students Tickets At Ceti Cândido Borges Castelo Branco In Campo Maior – Pi	João Victor Silva Pereira	Participant
		Silvana Orsano Dos Santos Araújo	Supervisor
	Depressively	Hellen Yasmin Schneider Dresch	Participant
		Marli Elisabete Schneider	Supervisor
	Processing Of Mangosteen (Garcinia Mangostona L.) Bark Meal And Its Use In The Diet Of People With Type 1 And Type 2 Diabetes	Iago Ferreira Lage	Participant
		Enrick Melo Silva Vieira	Participant
		Saulo Luis Capim	Supervisor

CANADA			
MILSET Member Organization	Project name	Name	Role
Réseau Technoscience	Lighting Up The Brain	Shaan Baig	Participant
		Wilson Wong	Supervisor
	The Brighter The Naughtier	Anne-frédérique Beaudry	Participant
		Laurie-anne Bédard	Participant
Youth Science Canada / Sciences jeunesse Canada	A Unique Approach To Test The Effects Of Cell Phone Radiation Using Yeast Cells	Gavin Howells	Participant
		Rhonda Roedler	Supervisor
	Creation Of An Intravenous Fluid Delivery System (Iv Fds) For Low Income Countries	Christopher Lamont	Participant
	Draw Me A Sheep	Juliette Quirion	Participant
		Jennifer Oneill	Supervisor
	Ocular Oximetry : Innovation !	Marc-antoine Gobeil	Participant
		Julie Bourcier	Supervisor
	Teaming Up Against Resistance	Anna Voia	Participant
	The Nivsm Pod: A Wireless End To A Wired World	Jonathan Afowork	Participant
	The War Against Superbugs!	Bianka Dusseault	Participant
	Uv-c Light To Prevent Microbes From Taking Flight	Bryn Bain	Participant
	Vegan Vaccines	Andrea Sarah Lo	Participant
		Michelle Luff	Supervisor

CHILE			
MILSET Member Organization	Project name	Name	Role
Fundación Club Ciencias Chile	Antibiosis Of Streptomyces Sp: The Power Of Antibiotics To Your Feet	Javiera Carolina Fajardo Valenzuela	Participant
		Angela Catalina Alarcon Garcia	Participant
		Manuel Sebastian Orellana Morales	Supervisor
	Comparative Effect Of Abstract Inhibition Of Buddleja Globosa V S Traditional Type Antibiotics	Alejandro Francisco Letelier Naritelli	Participant
		Daniel Matias Vergara Troncoso	Participant
	Impact Of A Previous Induction Of The Borg Scale On The Perception Of Effort In Adults Of The House Of The Elderly In Antofagasta	Valeria Alejandra Montalbán Montalván	Participant
		Morin Lang Tapia	Participant
	Nutritional Status, Eating Behavior, Mode Of Movement, And Level Of Physical Activity Of First-year University Students Of The Faculty Of Health Sciences And Faculty Of Social Sciences, Arts And Humanities Of The University Of Antofagasta	Gian Franco Páez Soto	Participant
		Valeria Olaya Monzón González	Participant
	Part Ii: In Vitro Effect Of Aloe Saponaria Gel On Staphylococcus Aureus, Pseudomonas Aeruginosa, And Escherichia Coli	Lia Delia Arancibia Mesas	Participant
		Mónica Jannette Mesas Urquejo	Supervisor
COLOMBIA			
MILSET Member Organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Bromatological Characterization Of Foods Based On The Traditional Cultures Of The Wayuu Community.	Samir Gabriel Iguaran Lopez	Participant
	Development Of A Natural Compound Derived From The Guava Fruit's Peptide Properties As A Preventive Method Against The Toxicity Of The Facultative Pathogenic Bacteria Staphylococcus Aureus	Sara Lucía Mantilla González	Participant
		José Rodrigo Mendoza Mora	Participant
		Laura Andrea Blanco Gómez	Supervisor
	Dna	Alejandro Gómez Gómez	Participant
		Alba Luz Chacón Velasco	Supervisor
	Presence Of Papillomavirus Dna In Horses With Papilloma Lesions And Possible Associated Factors In Colombia	Ana Sofia Araque Cuervo	Participant

EGYPT			
MILSET Member Organization	Project name	Name	Role
Nile University	Controlling Chronic Lymphocytic Leukemia	Nirmeen Adel Fathallah Mohamed	Participant
GERMANY			
MILSET Member Organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	Relaxation Glasses For Humans In Space	Radek Dobry	Participant
		Tim Simon	Participant
		Peter Ehrlich	Supervisor
INDONESIA			
MILSET Member Organization	Project name	Name	Role
Center for Young Scientist	The Use Of Plants From Talayar And Palm Plants Is Used As An Alternative To Traditional Medical Treatment For Cyst	Orsika Anugrahni Bassa	Participant
	The Ability Of Aloe Vera And Cocor Bebek Plant In Curing Outer Skin Wounds	Dellia Fientepani	Participant
Rumah KIR Indonesia	The Potential Of Endophytic L-asparaginase Enzyme For Fire-fire White Mangrove (Pseudomonas Aeruginosa) As An Inhibitor Of Cancer Cell Growth Through Dna Fragmentation Method	Mochamad Sutrimo Raharjo	Participant
KUWAIT			
MILSET Member Organization	Project name	Name	Role
MILSET Asia-Kuwait	Electronic Aid Box	Abdullah Busakher	Participant
		Ahmad Awadh	Supervisor
	Electronic Bag	Aisha Almansour	Participant
		Nadia Abbas	Supervisor
	Helmet Of The Blind- Auditory Vision	Bandar Alhajri	Participant
		Subah Albinali	Supervisor

LUXEMBOURG			
MILSET Member Organization	Project name	Name	Role
Fondation Jeunes Scientifiques Luxembourg	Game Theory In Practice: Testing The Validity Of Game Thoery Using The Thirds Game	Van Bommel Barcia Oscar	Participant
		Kooy Lukas Uhrup	Participant
MACAU, CHINA			
MILSET Member Organization	Project name	Name	Role
The Association for Promotion of Science & Technology of Macau	An Automated Microfluidic Platform For Food Safety And Human Allergy Analysis	Hui Hoi Ian	Participant
		Fong Chun Hei	Participant
		Yuen Hoi Man	Participant
	Bacteriostasis Of	Leung Chon Hei	Participant
		Ye Weng Chio	Participant
		Wei Qian	Supervisor
	Responsive Nanoparticles For Selective Drug Delivery In Cancer	I Sam Hui	Participant
		Hong U Fong	Participant
		Weng Si Kou	Supervisor
MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Biomedical Device For The Evaluation Sarcopenia	Cinthya Gabriela García Calderón	Participant
		Jesús Eduardo Cervantes Castro	Participant
		Marcos Ezequiel Cervantes Castro	Participant
		Oscar Eduardo Cervantes Garcia	Supervisor
	Bio-nam	Anahí Sosa Arróniz	Participant
		Nancy Eufracio García	Participant
		Mary Paz Ramos Romero	Participant
		Octavio Maldonado Saavedra	Supervisor

MEXICO			
MILSET Member Organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Biopsy Robot Design For Breast Cancer Identification	Joav Madrid Ayala	Participant
		Ángel Luis Rodríguez Morales	Supervisor
	Effect Of The Broccoli Sprout Extract In The Gastric Epithelium Colonized By Helicobacter Pylori	Maria De Los Angeles Silva Borja	Participant
		Nuria Renata Roldan Bretón	Supervisor
	Informatic Model Of Human Anatomy	María José Ayala Serrano	Participant
		Vanessa Rivero Kelisek	Participant
		Aelín Zerón Hernández	Supervisor
	Oxytocin Extraction From Freshwater Snail	Karla Lucía Vera García	Participant
		Alejandra Matus Estrada	Participant
		Karla María Coria Ballinas	Participant
		Armando Gómez Roblero	Supervisor
	Pirhuaani	Diego Arturo Zamudio Naranjo	Participant
		Carlos Daniel Rios Contreras	Participant
		J. Jesús Núñez Villanueva	Supervisor
	Poliplastik	Cristian Isaías Lorenzo	Participant
		Freddy Hernandez Espinosa	Supervisor
	Suitis - Healthy Cookies 100% Flavor And Zero Sugar	Karla Michelle Sánchez Grajales	Participant
		Michael Jalayamini Sánchez Wong	Supervisor
	Teaching Prototype To Prevent Breast Cancer For A New Youth Culture	Andrea Ceballos Anguiano	Participant
		Montserrat Egea Viveros	Participant
		Guillermo Benítez Rodríguez	Supervisor

NIGERIA			
MILSET Member Organization	Project name	Name	Role
Genius Illumina	Ficus Exasperata Vahl: A Health Resource For Diabetes	Eyemonu Colette Onyinyechukwu	Participant
		Lawal Oluseyi Olaide	Supervisor
OMAN			
MILSET Member Organization	Project name	Name	Role
Oman National Commission_ ESC	Your Health Matter	Ahmad Nasser Alabdulsalam	Participant
		Faris Ali Khamis Alsaïdi	Supervisor
PARAGUAY			
MILSET Member Organization	Project name	Name	Role
Colegio de San José	Phytotherapeutic Properties Of Ginger Candies, Honey Of Bees And Cinnamon	Deisy Maria Liz Bogarin Montiel	Participant
		Rafael González	Participant
		Facundo Miguel Machain Hauron	Participant
		Liz Marina Montiel De Bogarin	Supervisor
	Watercress Bread As A Nutritional Supplement To Reduce Ferropenic Anemia In School Age Children	Lucas Ezequiel Álvarez Méndez	Participant
		Alejandro David Cáceres Rivela	Participant
		Evelyn Maria Belén Bogarín Montiel	Participant
		Martina Elsa Rivela Santacruz	Supervisor
Colegio Nacional de E.M.D. Asunción Escalada	Cocotex	Maria Noelia Lezcano Melgarejo	Participant
		Ana Maria De Jesus Santacruz Ayala	Participant
		Angelica Jasmin Galeano Legal	Participant
Colegio Privado Bilingüe Girasoles	Elaboration Of A Toothpaste Based On Sodium Bicarbonate, Lemon (Citrus X Lemon), National Refreshing Medicinal Herb (Mentai), For Young People With Tartar, White Spots On The Teeth And Yellow Teeth For Lack Of A Good Oral Hygiene And Good Education, At Colegio Politécnico Cooperativa Capiatá, 2018	Lia Karine Resquin Denis	Participant
		Angelicavillamayor De Vera Y Aragon	Supervisor
	Oxygen Bar	Anna Isabella Sbardella	Participant
		Natalia Lorena Netto De Lugo	Supervisor

ROMANIA			
MILSET Member Organization	Project name	Name	Role
MILSET Romania	Hyperbaric Oxygen Therapy	Tanase Andreea-teodora	Participant
		Riciu Vladut Stefan	Participant
		Nichifor Magdalena-gabriela	Supervisor
RUSSIA			
MILSET Member Organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Ways To Restore The Sensitivity Of Resistant Breast Cancer Lines Mcf-7k To Biguanides.	Semutnikov Kirill	Participant
		Danila Sorokin	Supervisor
SLOVAKIA			
MILSET Member Organization	Project name	Name	Role
Asociácia pre mládež, vedu a techniku	Complex Biomedical And Preclinical Testing Of Biomaterials For The Purpose Of Implantology And Regenerative Medicine	Samuel Smoter	Participant
		Miriam Feretova	Participant
	In Vitro Effect Of Uric Acid On Endothelial Fuction Of Aged Wistar - Kyoto Rats	Matus Mlynar	Participant
		Alzbeta Alexandra Rigoova	Participant
SOUTH AFRICA			
MILSET Member Organization	Project name	Name	Role
IMBEWU Science Foundation	Sun Keratosis - An Inexpensive Treatment	Leanne Rademeyer	Participant
		Annelize Rademeyer	Supervisor
SPAIN			
MILSET Member Organization	Project name	Name	Role
Instituto de Investigaciones Científicas y Ecológicas	The Resolution Of The Tangent Problem At The Dawn Of The Infinitesimal Calculus	Eliana Orizales Breijo	Participant
	Critical Study Of The Definition Of Inflexion Point	Claudia Sagredo Carrasco	Participant
	A New Pharmacogenetic Model Applied To Precision Medicine In Polypharmacy	María Celsa Peña Martín	Participant

TURKEY			
MILSET Member Organization	Project name	Name	Role
Okyanus Egitim Kurumlari	Smart Water-closet	Emir Mirza Bagci	Participant
		Emre Kilic	Participant
		Özgür Ogulcan Yanar	Participant
	The Effects Of Propolis And Curcuma Longa On Cancer, Observing Their Impacts On Vascularity And Growing Process In Chicken Embryos	Dilara Aydin	Participant
		Loran Arslan	Participant
		Dilan Hevra Akyildiz	Supervisor
	The Preparation Of Medical Textile Products With Properties That Tree Barks Have By Using Micro-encapsulation Method	Birsen Lara Arslan	Participant
		Lara Yilmaz	Participant
		Duygu Yavuz	Supervisor

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
No To Choking Incidents	Maryam Saeed Salem Alhashmi	Participant	Murbah School
	Asmaa Khaleifah Obaid Saeed Alkaabi	Participant	
	Divya Henry	Supervisor	
A Multi-level System For Preventing Toddlers Suffocation In Unattended Vehicles	Abdullah Ahmed Sulaiman Khamis Alhanaee	Participant	ATHS
	Saif Ali Ahmed Ibrahim Alhammadi	Participant	
	Ahmed Hassan Mohamed Sweleh	Supervisor	
A System For Preventing Foot Complications With Diabetic Patients	Abdulla Tareq Alameri	Participant	ATHS
	Sultan Hassan Almulla	Participant	
	Ahmed Hassan Mohammed Sweleh	Supervisor	
Advanced Electronic Life Jacket	Alia Saif Saeed Saif	Participant	STS
	Aysha Jumaa Abdulla Jumaa	Participant	
	Sara Saeed Mohammed	Participant	
	Taif Al Jebory	Supervisor	
An Orthopedic Cast Implant System For Preventing Joint Swelling And Skin Irritations	Khalifa Jasem Mohamed Ahmed Alshehhi	Participant	ATHS
	Sultan Ali Ahmed Ibrahim Alhammadi	Participant	
	Ahmed Hassan Mohammed Sweleh	Supervisor	
Automatic Sterilization For Fingerprint Devices	Shawq Khaled Ahmed Almessabi	Participant	Higher Colleges Of Technology - Abu Dhabi Women's College
	Shamma Khaled Ahmed Alhammadi	Participant	
	Fayeza Salem Naser Alsalmi	Participant	
	Yasmeen Mohd Zuhair Saleh	Supervisor	
Derma	Mahra Salem Mubarak Salem Albreiki	Participant	Applied Technology High School - Girls - Abu Dhabi
	Rasha Burhan Hassan	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	School
Disinfectant Light Sensor	Bashaer Esam Ahmed	Participant	Secondary Technical School - Girls - Al Ain
	Shaikha Mohammed Saif	Participant	
	Alyazia Tareq Fayez Muftah	Participant	
	Jazi Daif Allah	Supervisor	
Epileptic Sensor	Futoon Saeed Ahmed Alsharri Alshehhi	Participant	Al Jeer School
	Shamesa Abdulla Aziz Alshehhi	Supervisor	
Investigations Of Non-drug Solutions To Alzheimer Dementia	Maha Abdulazeiz Alblooshi	Participant	Madhab High School- Girls
	Abeer Salah Al Saadi	Participant	
	Alyzyah Mohamed Hassan Morad	Participant	
	Firas Ahmed Kiftaro	Supervisor	
Rc War Car Emergency Supplies Via Gps Carrier	Obaid Saeed Al Mansouri	Participant	Secondary Technical School - Al Dhafrah
	Suliman Khamis Al Hammadi	Participant	
	Fares Rabeea Mohammed Rabeea	Participant	
	Saeed Abdulla Humaid	Participant	
	Ahmad Mustafa Al Ott	Supervisor	
Robotic Arms	Mouza Sultan Alhammadi	Participant	Baya School
	Sara Idris	Supervisor	
Smart Baby Bottle: Preventing Tooth Decay	Amir Ali Humaid Mohamed Almarzooqi	Participant	Brighton College - Al Ain
	Ali Humaid Mohamed Hassan Almarzooqi	Supervisor	
Smart Medicine Box	Ghabaisha Matar Almansoori	Participant	Al Reyada School
	Shouq Yaaqoub Alsenaani	Participant	
	Fatema Khalaf Alhammadi	Participant	
	Noor Salem Fadem	Supervisor	
The Wondrous Medic	Hind Hamad Abdelwahab Alhammadi	Participant	Bahithat Al Badia School
	Mariam Abdalla Ali Alhammadi	Participant	
	Khetam Abdelkader Mahmoud Diab	Supervisor	

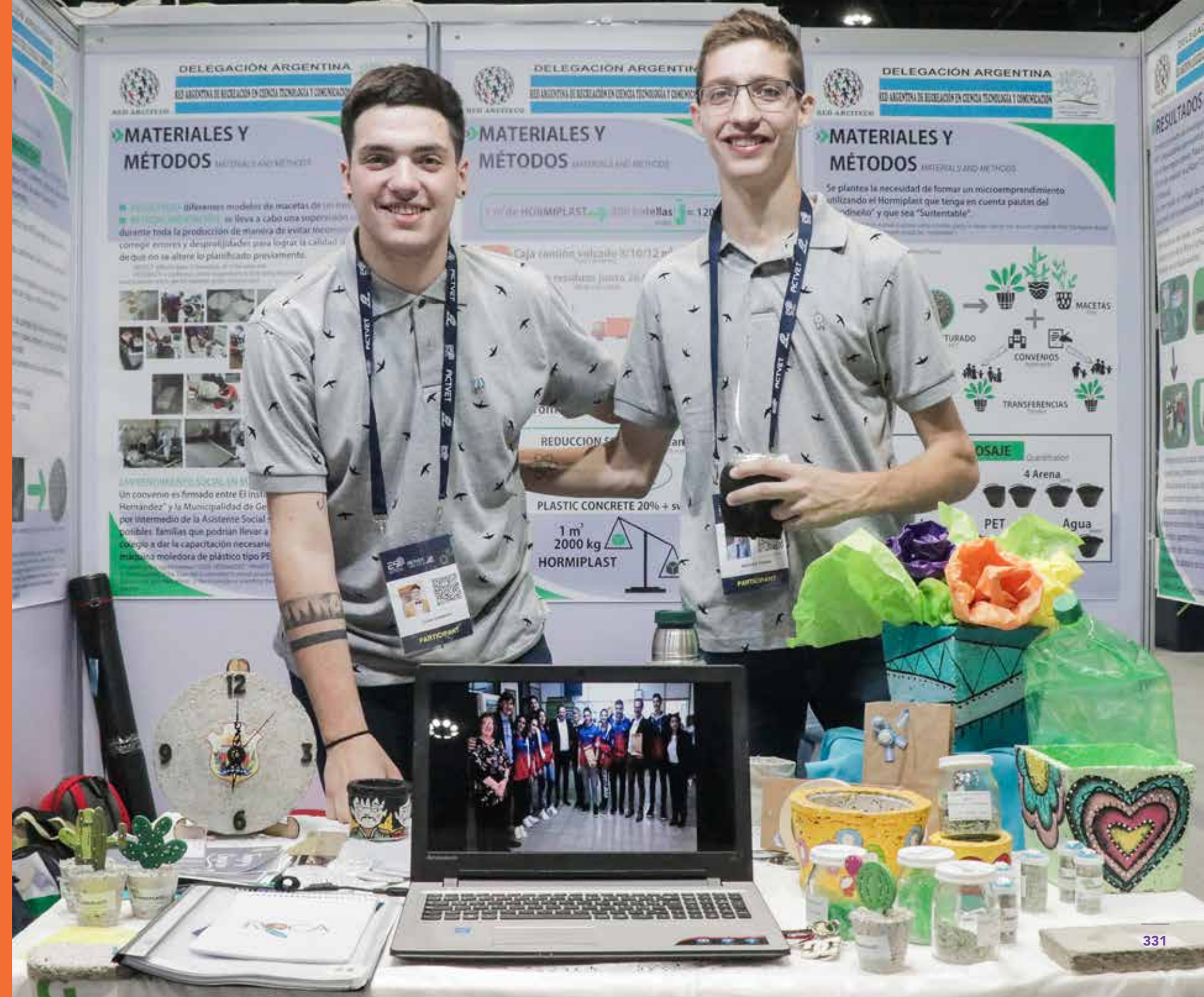




TECHNOLOGY AND BIOTECHNOLOGY

In this category, authors proposed new (mainly more efficient) ways of producing various substances and materials. In the biotechnological part, for instance, they developed new and innovative substances or ways to speed up the growth of some crops or kill pests.

54 PROJECTS



ARGENTINA			
MILSET member organization	Project name	Name	Role
Asociación Vida y Ciencias	“bathroom Automation For Disability”	Lucas Gabriel Lobo	Participant
		Mariano Mauricio Zamudio	Participant
		Eduardo Franco Torales	Participant
		Leandro Ariel Perez	Supervisor
Red Arciteco	Hormiplast	Marcos Pirani	Participant
		Juan Grabich	Participant
		Juan Andres Degra	Participant
		Raquel Micaela Sabadina Raccaro	Supervisor
	Recycle To Feed	Pilar Miguel	Participant
		Virginia Victoria Miguel	Participant
		Lucia Belén Flores	Participant
		Giuliana Bonetto	Participant
		Silvia Ana Sagasta	Supervisor
BRAZIL			
MILSET member organization	Project name	Name	Role
Movimento pela Ciência e Aprendizagem Brasil	Cultivation Of Mikania Laevigata In Vitro: Searching For Higher Doses Of Coumarins	Lara Johnsen Villas Bôas Stefani	Participant
		Rodrigo Cezar Stefani	Supervisor
CANADA			
MILSET member organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	An Integrated Glucose Meter Using Sweat Diagnostic Technology For Diabetics	Anna Tymofyeyeva	Participant
	Bci-neurokey – Development And Testing Of A Non-invasive Brain Computer Interface	Fawzan Hussain	Participant
	Biograde Yeast: Biomanufacturing With Antifreeze-yeast On Mars	Patricia Rea	Participant
	Detecttimely	Om Agarwal	Participant

MILSET member organization	Project name	Name	Role
Youth Science Canada / Sciences jeunesse Canada	Development Of An Ai-based Acute Promyelocytic Leukemia Classification System	Peter Zhu	Participant
	Fog On, Fog Off - Developing An Optimized Fogponics System To Increase Food Security	Hajeong Seo	Participant
	Nanooax: Localization Of Antioxidants Via Nanoparticles To Enhance Plant Growth	Dheiksha Jayasankar	Participant
		Carla Cooper	Supervisor
	The Effects Of Low Earth Orbit On Digital Displays	Fletcher Dares	Participant
COLOMBIA			
MILSET member organization	Project name	Name	Role
Red Colombiana de Semilleros de Investigación	Use Of Cactus (Mucilago De Nopal) And Moringa Oleifera As Vegetable Agents In The Process Of Purification Of Water For Human Consumption.	Jessica Patricia Paternina Guerra	Participant
GERMANY			
MILSET member organization	Project name	Name	Role
Landesverband Sächsischer Jugendbildungswerke e.V.	Microcontroller Monitored Investigation On Biosystems	Christoph Musch	Participant
		Uwe Baumbach	Supervisor
	Whats Nano?	Carolin Voigtlaender	Participant
		Bjoern Krause	Participant
		Kerstin Neubert	Supervisor

INDONESIA			
MILSET member organization	Project name	Name	Role
Doctorabbit Science Inc	Cockroach-bot	Favian Bhamakerti Putra Gunawan	Participant
		Nabiel Harits Utomo	Participant
KUWAIT			
MILSET member organization	Project name	Name	Role
MILSET Asia-Kuwait	Remote Monitoring And Control Of Agriculture	Almaha Almutairi	Participant
		Eman Alazmi	Participant
		Tahani Alhajeri	Supervisor
MACAU, CHINA			
MILSET member organization	Project name	Name	Role
The Association for Promotion of Science & Technology of Macau	A Lampblack Filtration Component	Leong Ka Ian	Participant
		Chao Chi Ian	Participant
		Kam Cheng Hei	Participant
		Liang Yixing	Supervisor

MEXICO			
MILSET member organization	Project name	Name	Role
RED Nacional de Actividades Juveniles en Ciencia y Tecnología	Chitin And Chitosan Extraction From Shrimp Exoskeleton	Abigail Gómez Jasso	Participant
		Karla Ximena Girón Arias	Participant
		Luis Ángel Briseño López	Participant
		Julián José Náder García	Supervisor
	Development Of A Probiotic Culture From Maguey	Ángel Fernando Aviña Ordaz	Participant
		Alejandro Arenas Atlatenco	Participant
		Ariana Hernández Ramírez	Supervisor
	Effect Of Two Organic Fertilizers On Growth Of The Aromatic Plant Basil (Ocimum Basilicum)	Paulina Colunga Elías	Participant
		Kaira Denisse Aguirre Alvarez	Participant
		Ximena Lara Vergara	Participant
		Francisco Vargas Betancourt	Supervisor
	Invermatic	Ana Cristina González Mares	Participant
		Juan Carlos Guevara Pérez	Participant
		Jannet Marisol López Castro	Supervisor

MOROCCO			
MILSET member organization	Project name	Name	Role
Science et Développement	Be Connected Team 1	Louaradi Majdouline	Participant
		Tazi Mezalek May	Participant
		Marfak Noor	Participant
		Marzak Norman	Participant
		Touhami Kadiri Yanis	Participant
		Marange Nicolas	Supervisor
	Be Connected Team 2	Taghouan Sami	Participant
		Fenjiro Badr	Participant
		Elbakouri Jad	Participant
		Eddahbi Samia	Supervisor
PARAGUAY			
MILSET member organization	Project name	Name	Role
Colegio de San José	Delactosed Paraguayan Cheese Elaboration	Maurizio José Melis	Participant
		Andres Nicolas Filizzola Ortiz	Participant
		Marta Beatriz Loizeau Rodriguez	Supervisor
Colegio Nacional de E.M.D. Asunción Escalada	Bioenergy Pellets	Tobías Isacio Ginez Del Puerto	Participant
		Arami Monserrath Villalba Rodríguez	Participant
		Laura Noemi Centurión Vega	Supervisor
	Bubble Hope	Mathias Sebastian Gutierrez Caballero	Participant
		Santiago Alejandro Rodas Giménez	Participant
		Ángela Mariela Jazmín Krayacich	Supervisor
	Pitahaya	Rebeca Arami Cáceres Samaniego	Participant
		Carmen Alvarenga De Benítez	Supervisor
	Scar T + Girasoles	Junior José García Cándido	Participant
		Hector Daniel Arazari Saldivar	Supervisor

MILSET member organization	Project name	Name	Role
Colegio Técnico Nacional y Centro de Entrenamiento Vocacional de Encarnación	Alternatura	Mariangel Benitez Faria	Participant
		Elian Ken Kurosawa Shindoi	Participant
	Different Perspectives	Leticia Gabriela Ramírez Szostak	Participant
		María Victoria Pereira Adrián	Participant
		Nydia Alcira Faria De Benitez	Supervisor
	Pdex	Carlos Samuel Perez Lopez	Participant
		Bianca Alessandra Paniagua Aquino	Participant
		Rosana Daniela Ferreira Delgado	Supervisor
ROMANIA			
MILSET member organization	Project name	Name	Role
MILSET Romania	Friendly Artificial Intelligence	Manoliu Silvia	Participant
		Handrau Raul	Participant
		Cozma Georgeta	Supervisor
RUSSIA			
MILSET member organization	Project name	Name	Role
All-Russia Movement of creative teachers “Researcher”	Smart Greenhouse As A Source Of Fresh Vegetables For Urban Residents	Litvinenko Igor	Participant
SLOVENIA			
MILSET member organization	Project name	Name	Role
Zveza za tehnično kulturo Slovenije	Glasses For The Blind	Urban Kosale	Participant
		Kristjan Stopar	Participant
		Pia Znidarsic	Participant
		Jernej Kranjec	Supervisor

SPAIN			
MILSET member organization	Project name	Name	Role
Instituto de Ciencia e Investigación Juvenil de Aragón	Notes On Virtual Reality	Alba Clavero Agustin	Participant
		Alejandro Latorre Garcia	Participant
		Abraham Alonso Ayala	Supervisor
Instituto de Investigaciones Científicas y Ecológicas	Learning Past...from Future	David Pérez Esteban	Participant
		Rafael Giralda Del Campo	Participant
		José María Mezquita Mezquita	Supervisor
SWITZERLAND			
MILSET member organization	Project name	Name	Role
Schweizer Jugend forscht	Optimization Of The Back Posture Using Our Own Tracker	Elias Donzé	Participant
		Alain Lavoyer	Participant
VIETNAM			
MILSET member organization	Project name	Name	Role
Center for Nano Science and Technology, Hanoi National University of Education.	One Step Synthesis Of Water-dispersible Cofe2o4 Magnetic Nanoparticles Using Triethylenetetramine As Solvent And Stabilising Ligand	Do Duc Minh	Participant
		Bui Khai Son	Participant
		Nguyen Manh Nghia	Supervisor

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	Educational Institute
Astute Dailema Wpio Patent Holder	Meera Mohammed Byaat Batawil Almazrouei	Participant	Applied Technology High School - Girls - Abu Dhabi
	Buthaina Abandah	Supervisor	
Bracelet Aid	Ghaya Mohammed Ahmed Alshamsi	Participant	Applied Technology High School - Girls - Ajman
	Alia Ahmed Jasim Almheiri	Participant	
	Shamma Jasim Hassan Almaazmi	Participant	
	Muna Hassan Hajjsaid	Supervisor	
Aroma Virtual Reality Avr	Fatma Arif Albastak	Participant	Dubai National School - Al Barsha
	Shamsa Saleh Darwish	Participant	
	Hamda Khalifa Ahmad	Participant	
	Nafissa Mustafa El Jabban	Supervisor	
Auto-Aiming Military Robot	Anjood Naser Mohammed Alyammahi	Participant	Madhab School
	Soughah Mohamed Saif Rashed Alkindi	Participant	
	Firas Ahmed Kiftaro	Supervisor	
Drugs Detector	Reem Sulaiman Albalooshi	Participant	Dubai National School - Al Barsha
	Olfat Hoda	Supervisor	
Egg Encubator	Abdulla Amer Katheri	Participant	
	Sufian Ishaq Anaz Titi	Supervisor	
E-Grocer	Alyazia Ismael	Participant	
	Mahra Khaled	Participant	
	Judy Matar	Supervisor	
Fleas Free	Sultan Rashed Al Nuaimi	Participant	
	Abdullah Saaed Alkaabi	Participant	
	Abdullah Mohammed Albloshi	Participant	
	Mohammed Badwan	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	Educational Institute
Future Headset	Marwa Jasem Alobeidli	Participant	Applied Technology High School - Girls - Abu Dhabi
	Alya Salem Alzaabi	Participant	
	Moudhi Mubarak Alkhzaimi	Participant	
	Maisaa Othman Albaghdadi	Supervisor	
Glucoaid Lifestyle App	Ruwda Abdalla Ghuloum	Participant	Applied Technology High School - Girls - Ajman
	Fatima Mohamed Saleh	Participant	
	Sarah Abdulla Al Khatheeri	Participant	
	Muna Hassan Hajisaids	Supervisor	
Isld	Amna Alqurashi	Participant	Dubai National School - Al Barsha
	Amna Omer Bin Hammad	Participant	
	Nafissa Al Jabban	Supervisor	
Mego	Hamda Abdulla Mohammed Alblooshi	Participant	STS
	Hamda Saad Ali Almazrouei	Participant	
	Shahad Adel Alawi Alafeefi	Participant	
Online Catering System	Fatima Helal	Participant	Applied Technology High School - Girls - Al Ain
	Al Reem Al Shamsi	Participant	
	Hind Khalid Al Shamsi	Participant	
	Khalid El Zoubi	Supervisor	
Safety System	Hind Aldahmani	Participant	Al Nuaimia School
	Jawaher Elbloshi	Participant	
	Kulaithem Abdullah	Supervisor	
Smart Wallet	Aya Khalifa Alfalasi	Participant	Al Ittihad Private School - Al Mamzar
	Mercy Moni	Supervisor	

UNITED ARAB EMIRATES			
MILSET member organization	ACTVET		
Project name	Name	Role	Educational Institute
Smart Water Consumption System For Homes	Saeed Khalifa Al-ali	Participant	Applied Technology High School - Umm Al Quwain
	Obaid Alaa Jasim	Participant	
	Msutafa Essameldin Ahmed	Supervisor	
Study Of Antipoliferative Activity Of Chrysin On Human Cervical Cells	Mona Faisal Omer Ba Abbad	Participant	University Of Modern Sciences
Vibrating Alarm For The Hearing Impaired	Nayef Salem Obaid	Participant	Applied Technology High School - Fujairah
	Mohd Abdallah Mofleh Elomari	Supervisor	
Workers Smart Jacket	Nouf Abdulla Saeed Alnuaimi	Participant	Applied Technology High School - Girls - Al Ain
	Diya Dandapani Kanniadath	Supervisor	
MILSET member organization	EMIRATES SCIENCE CLUB		
Project name	Name	Role	Educational Institute
Athlete Sodium Tracker	Mezna Mohamad Younes Almansouri	Participant	
	Elyazya Mohammad Younes Almansouri	Participant	
	Jamal Mohammed Sharif Alkhayat	Supervisor	



LIST OF ORGANIZATION ACRONYMS

- ACTVET - Abu Dhabi Centre for Technical and Vocational Education and Training
- MILSET - Mouvement International pour le Loisir Scientifique Et Technique
- ADNEC - Abu Dhabi National Exhibition Centre
- MoE - Ministry of Education
- DCT - Department of Culture and Tourism
- DOT - Abu Dhabi Department of Transport
- ET - Emirates Transport
- EF - Emirates Foundation
- ESC - Emirates Science Club
- ENEC - Emirates Nuclear Energy Corporation
- BoD - ESI 2019 Board of Directors
- KU - Khalifa University
- HCT - Higher Colleges of Technology
- ZU - Zayed University
- Fazaa - ACTVET Volunteering Program

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