



The International Movement for Leisure  
Activities in Science and Technology



# WORLD VIRTUAL SUMMIT

CONFERENCES | WORKSHOPS | ROUND TABLES

**October 25 to 29, 2021**

## OFFICIAL REPORT



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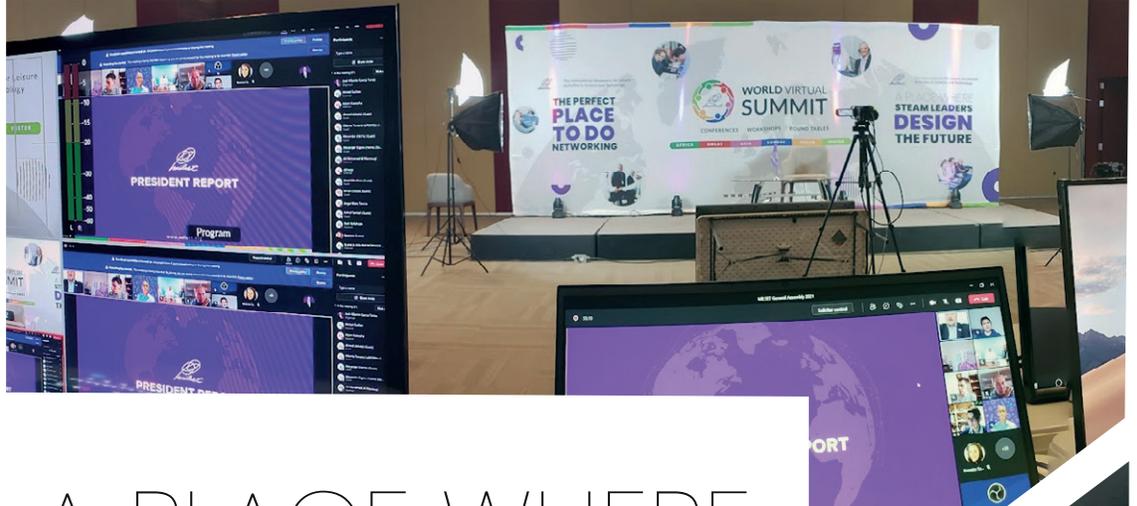
[www.milset.org](http://www.milset.org)



WORLD VIRTUAL SUMMIT



The International Movement for Leisure Activities in Science and Technology



# A PLACE WHERE STEAM LEADERS DESIGN THE FUTURE



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www.milset.org



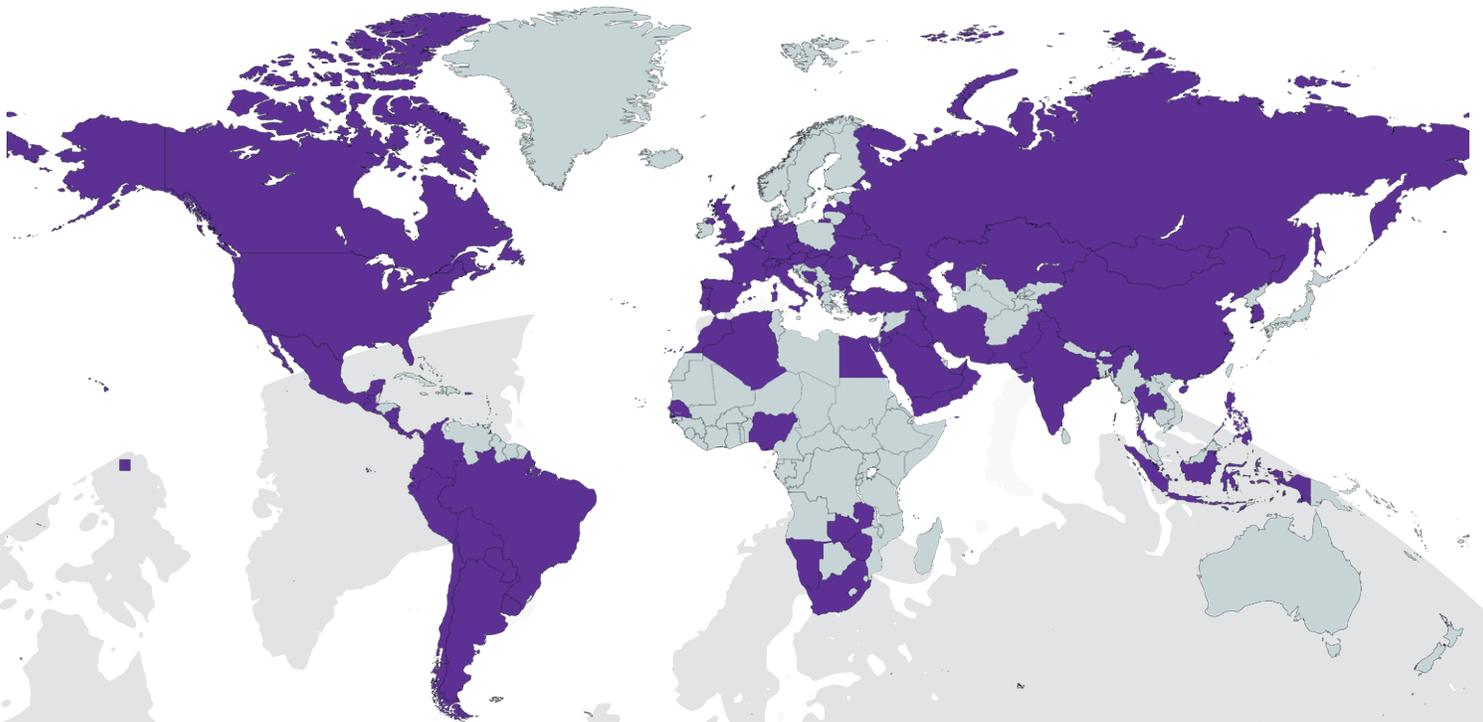
## INTRODUCTION

The MILSET WVS 2021 was a special edition event that gathered MILSET leaders from worldwide members' organisations and institutions interested in STEAM education and extracurricular activities to learn and discuss through conferences, workshops, and round tables.

All activities were focused on "Challenges of STEAM Education in a Virtual World" and strategies development for MILSET future.

## COUNTRIES REGISTERED

MILSET World Virtual Summit received **377 leaders from 81 countries** representing all continents



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AFRICA



Algeria



Egypt



Libya



Morocco



Namibia



Nigeria



Senegal



South Africa



Tunisia



Zambia



Zimbabwe

LATIN AMERICA



Argentina



Bolivia



Brazil



Chile



Colombia



Costa Rica



Ecuador



El Salvador



Guatemala



Guyana



Mexico



Nicaragua



Panama



Paraguay



Peru



Puerto Rico



Uruguay



Venezuela

ASIA



Bahrain



China



Hong Kong SAR China



India



Indonesia



Iran



Iraq



Jordan



Kuwait



Lebanon



Macao Sar China



Malaysia



Mongolia



Oman



Pakistan



Palestinian Territories



Philippines



Qatar



Saudi Arabia



South Korea



Taiwan



Thailand



Turkey



United Arab Emirates



Yemen





EUROPE



Albania



Austria



Belgium



Bosnia and  
Herzegovina



Bulgaria



Czech  
Republic



France



Georgia



Germany



Italy



Latvia



Malta



Netherlands



Portugal



Romania



Slovakia



Spain



Switzerland



Ukraine



United  
Kingdom

NORAM



United States  
of America



Canada

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Azerbaijan



Belarus



Kazakhstan



Russia

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## VENUE & SETS

The MILSET World Virtual Summit 2021 was performed from **October 25 to 29, 2021, in UPAEP's Convention Centre facilities in Puebla, Mexico**. Three sets were used as the main scenery to present and develop all activities during the streaming.



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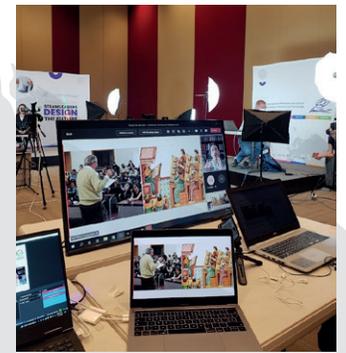
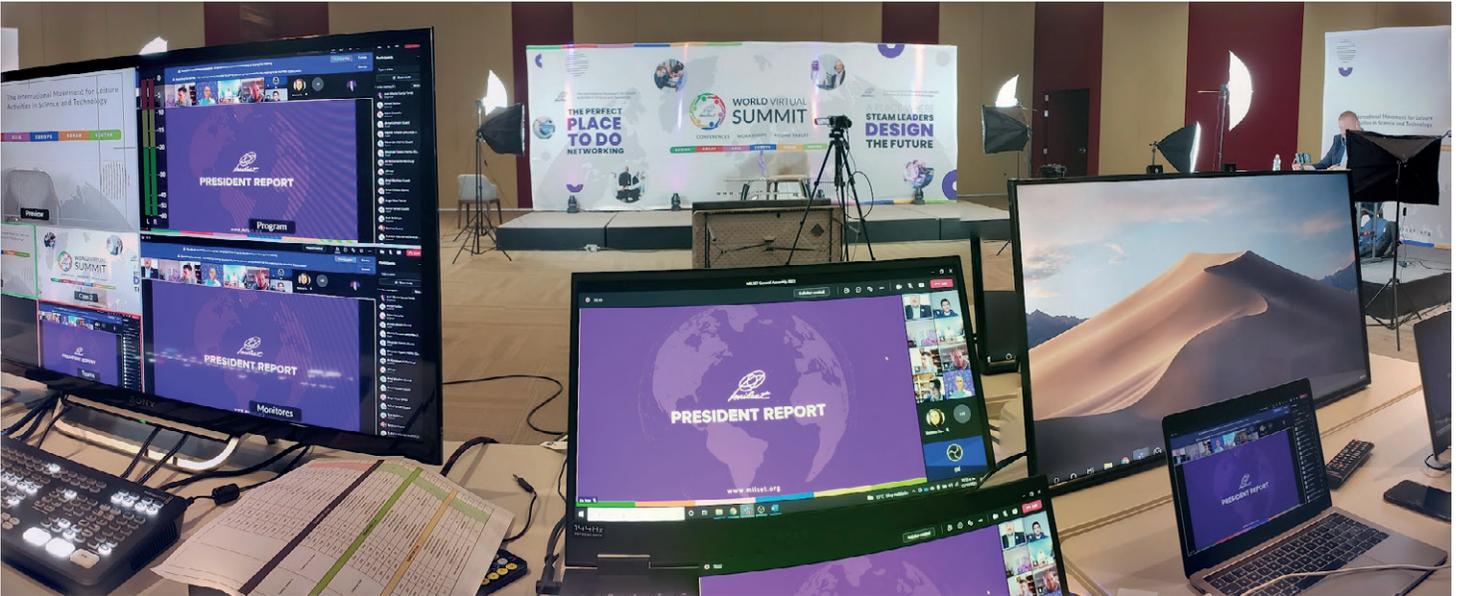
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## VENUE & SETS



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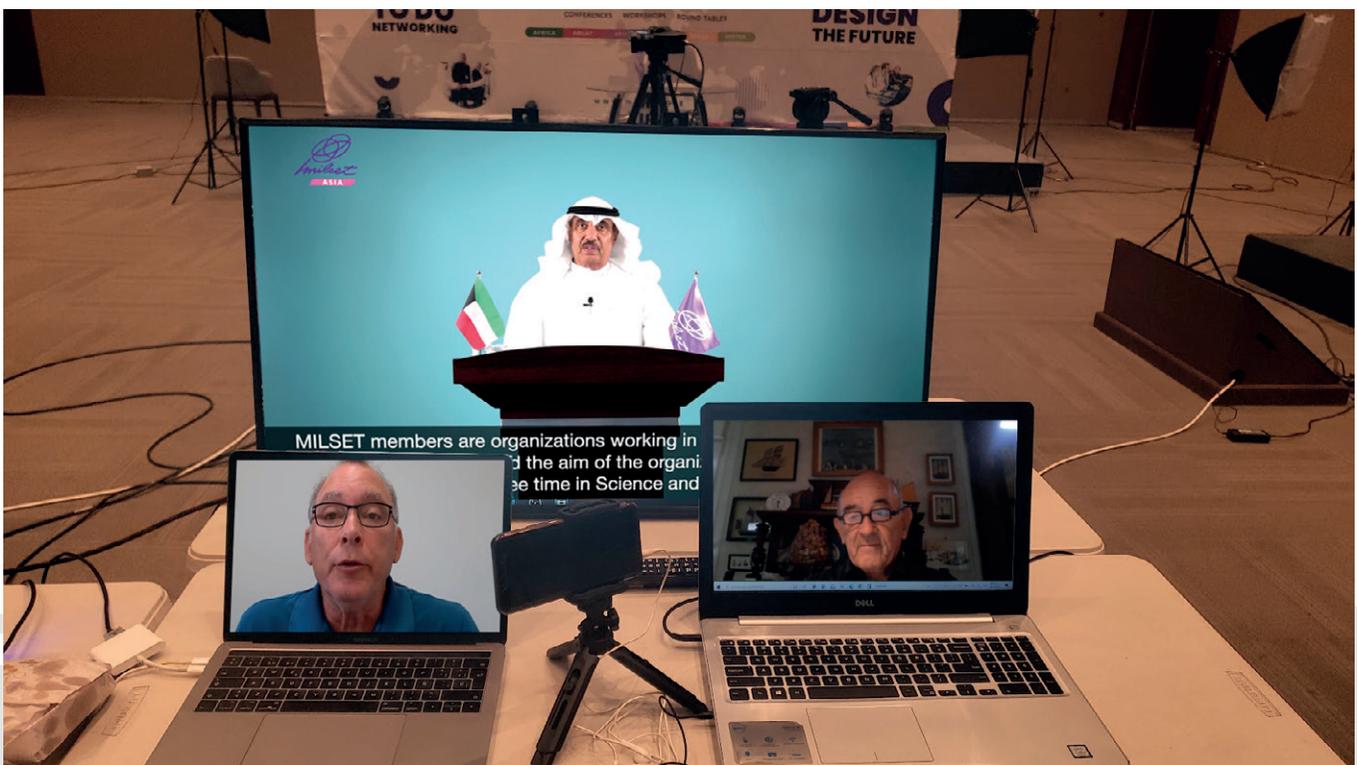
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## ACTIVITIES

For five days, the audience, including MILSET members and people connected by MILSET social media, participated in different types of activities related to STEAM education.

## OPENING CEREMONY

It was the perfect opportunity to hear messages from some MILSET founders about what MILSET means during almost 35 years of life. Join us again to watch **Mr Michel Bois, Mr Adnan Almeer and Mr Jean-Claude Guiraudon** messages.



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## CONFERENCES

### Conference: Why is it important to learn STEM?

**Speaker: Ana Karen Ramírez**

**Institution: Epic Queen**

**Date: October 25, 2021**

During this talk, Ms Karen showed several spaces where young people can be involved in STEAM, including initiatives to engage more women in Science and Technology. Everyone can enjoy this conference by accessing the link:

<https://youtu.be/IV3FynuPGNQ>



### Conference: NASA resources with an educative approach

**Speaker: Jorge L. Sotomayor**

**Institution: NASA**

**Date: October 25, 2021**

NASA has been a close organisation to MILSET, sharing the passion for promoting Science and Technology among youth. Be ready to hear Mr Jorge about all opportunities that NASA offers. The content of the activity is available at:

<https://youtu.be/UMOtkb8GMhU>



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## CONFERENCES

**Conference: STEAM integration through purposeful play**

**Speaker: Claudette Muñoz**

**Institution: LEGO Education**

**Date: October 25, 2021**

Ms Claudette showed how LEGO integrates play as a key factor in learning. Going from LEGO history to a series of videos, the audience could learn some tips to engage kids learning through playful activities. Everyone can enjoy this conference by accessing the link:



<https://youtu.be/J0PevAKsNP4>

**Conference: Aztech Sat 1 – Satellite designed and built by Mexican students**

**Speaker: Sofia Naranjo**

**Institution: UPAEP**

**Date: October 26, 2021**

Ms Sofia shared her experience as part of the Aztech Sat 1 project. Aztech Sat 1 is the first Mexican Nanosatellite designed, manufactured, and tested by Mexican students of UPAEP University in collaboration with NASA and the Mexican Aerospace agency. This conference is available at the link:



<https://youtu.be/itkgYviYUCs>

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## CONFERENCES

### Conference: Redefining the Lab

**Speaker: Dominic Tremblay**

**Institution: Youth Science Canada**

**Date: October 26, 2021**

Mr Dominic shared his experience as a teacher. He explained several tips on how basic sciences may be taught to young people and how didactic materials can be helpful in the learning process. This conference is available at the link:

<https://youtu.be/itkgYviYUCs>



Youth Science Canada  
Sciences jeunesse Canada

### Conference: Are you ready to compete with a robot?

**Speaker: Laura Segura**

**Institution: Movimiento STEM**

**Date: October 27, 2021**

Ms Laura shared her experience as part of STEM Movement team, an organisation that promotes science and technology around Mexico and focuses on women inclusion in those fields. This conference is available in the link:

<https://youtu.be/A2Rwll3mhNE>



MOVIMIENTO  
STEM+

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## CONFERENCES

### Conference: Constructing an Educational Society with a STEAM Approach

**Speaker: Elaine Reynoso Haynes**

**Institution: Somedicyt**

**Date: October 27, 2021**

How much does society may know about Science?. Ms Elaine shared her knowledge and research about this topic, quoting current situations around other societies worldwide and the implications. This conference is available at the link:

<https://youtu.be/LheTkeGkvdk>



### Conference: Research Projects: Passion and Purpose

**Speaker: Serena Mc Calla**

**Institution: iResearch Corporation**

**Date: October 27, 2021**

Ms Serena shared several experiences about successful cases in how her foundation supports students to founding their research and change their lives. This conference is available at the link:

<https://youtu.be/vi95W5Dz3NU>



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## CONFERENCES

**Conference: Experience about Global Teacher Prize**

**Speaker: Ranjitsinh Disale**

**Institution: Global Teacher Prize Winner 2020 by  
Varkey Foundation**

**Date: October 28, 2021**

Since his arrival at the old and precarious school, Mr Ranjitsinh shared his journey to teach young girls how Science and technology can modify their lives. The Global Teacher prize 2020 award recognised those efforts. This conference is available in the link:

<https://youtu.be/EymdmvJFsZM>



**Conference: The future of education is now**

**Speaker: Alejandro Almazan**

**Institution: Google for Education**

**Date: October 28, 2021**

Discover again what is Google investing in and developing to create new experiences in learning STEAM. Mr Alejandro showed us the latest technologies applied in the world. This conference is available at the link:

<https://youtu.be/sohHSySdQuM>



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## CONFERENCES

**Conference: The Emergence of Virtual and Hybrid Events: How the digital creativity sparked by COVID-19 changed physical events forever**

**Speaker: Renata Vaccaro**

**Institution: Project Board by Engineering.com**

**Date: October 29, 2021**

Ms Renata showed a new platform called Project Board in which any organisation can have a digital space to share its research project and to interact with the audience and also with other projects. This conference is available at the link:

[https://youtu.be/cAJJ869\\_ax8](https://youtu.be/cAJJ869_ax8)



 **ProjectBoard**  
by engineering.com

**Conference: Integrating NASA STEM Resources and Programs in Communities**

**Speaker: Kelly Martin-Rivers**

**Institution: NASA**

**Date: October 29, 2021**

Ms Kelly shared outstanding information about the projects that NASA is developing in communities to engage youth in STEM education by making the knowledge concepts and applying solutions to their daily-life issues. This conference is available at the link:

[https://youtu.be/7At\\_Ooi0xYE](https://youtu.be/7At_Ooi0xYE)



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## WORKSHOPS

The workshops were performed in private sessions, exclusively to registered MILSET members

### **Workshop: How to conduct students' projects in the situation of the lockdown?**

**Speaker: Ivan Smirnov**

**Institution: Basil the Great Gymnasium**

**Date: October 26, 2021**

Mr Smirnov explained how projects are managed in Russia due to the lockdown and the importance of motivating students to get curious and to develop research.



### **Workshop: Big Data Analysis**

**Speaker: Maria Dorofeeva**

**Institution: LoReTT group**

**Date: October 26, 2021**

Ms Maria showed how to use and work with big data from satellites. She showed images, from temperature sensors to trash mountains, to explain how the work developed in space is meaningful.



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## WORKSHOPS

### **Workshop: Smarter Science Framework**

**Speaker: Dominic Tremblay**

**Institution: Youth Science Canada**

**Date: October 27, 2021**

Mr Dominic explained new processes and tips to teach Science to young students.



Youth Science Canada  
Sciences jeunesse Canada

### **Workshop: "Hands-on(line) Learning"**

**Speaker: Jose Maria Rosas Garibay & Aline Siqueiros**

**Institution: Apisec Learning**

**Date: October 28, 2021**

Jose Maria & Aline developed a great interactive workshop based on LEGO methodology called playing to learn. They also developed different activities.



Apisec  
LEARN



Apisec  
LEARN

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## WORKSHOPS

### Workshop: "Create your own exoplanet"

**Speaker: Salome Matos**

**Date: October 28, 2021**

Mrs Salome Matos provided an extensive conference about basic concepts about space, stars, and planets. The audience could learn more about what is happening in space and how planets are different. Finally, she used those concepts to create an exoplanet with recycled materials. This workshop aimed to provide information to teach astronomy concepts to students.



## ROUND TABLES

During the MILSET World Virtual Summit 2021, several Round Tables were developed to provide a space of expression to all our members. Some meaningful topics were discussed during those meetings. During the Summit, members could express their concerns and make proposals about improving MILSET in the coming years.

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-  **Future of MILSET:** Participants expressed their concerns about the organisation's weaknesses and strengths. They also proposed the goals and actions on which MILSET should focus for the coming years. The topic was discussed;
  - By Founders and
  - By Regions
-  **Students Motivation:** Participants expressed their views on specific questions about motivating students to participate in projects development, even during the pandemic. They also discussed how MILSET could contribute to our members encouraging students.
-  **Members Collaboration:** Participants expressed their views on specific questions about how MILSET Members can develop better relations and collaborate between them and how MILSET can support those exchanges with events, activities, dynamics, etc.
-  **Promotion & Participation:** Participants expressed their points of view related to specific questions related to MILSET Programs accuracy, how to increase the participation of members in MILSET activities. And how to engage more youth in Science and Technology.
-  **Challenges of STEAM organisations:** • Participants expressed their views on specific questions related to the main challenges that each organisation has faced during this pandemic era, what their primary needs to cover, what they expect, and how they expect MILSET could support each of them.
-  **STEAM activities and methodologies around the world:** Finally, our participants could share information about the strategies that each of them has followed and have succeeded in their activities such as Science Fairs, Forums, Olympiads, Contests, etc.

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## SOCIAL MEDIA IMPACT

MILSET World Virtual Summit was an event directed to the specific public such as MILSET members, STEAM organisations, STEAM leaders, Ministries of Education, teachers and the people interested in the topic.

The promotion plan was focused on this public using as first mean MILSET social media platforms to promote.

-  **Facebook (@MILSET, @MILSET América Latina, @MILSET Africa, @MILSET Vostok)**
-  **Instagram @MILSET**
-  **Twitter @MILSET**
-  **LinkedIn @MILSET**
-  **YouTube MILSET**

The secondary means of promotion were the World Virtual Summit partner's social media, **UPAEP and Movimiento STEM.**

## WVS 2021 Impact in numbers

\* Organic reach





## PARTNERS & SPONSORS

### PARTNERS



### SPONSORS



## TEAM

### MILSET

Roberto Hidalgo – MILSET President  
Adnan Almeer – MILSET Vice-President  
Reni Barlow – MILSET Vice-President  
Carole Charlebois – MILSET General Secretary & Treasurer  
Ksenia Salnikova – MILSET Programmes advisor  
Driss Loauradi – MILSET Director  
Yevhen Kudriavets – MILSET Director  
Nader Serrid – MILSET Asia office

### MILSET Staff & UPAEP's team

Berenice Suarez – MILSET Managing Director  
Liz Vela – MILSET Communication Manager  
Jose Alberto García Torres – MILSET IT Coordinator  
Jose Alberto Tenorio – UPAEP's team  
Catalina Robredo – UPAEP's team  
Oscar Godinez – UPAEP'S team  
Roberto Zawadzki – UPAEP'S team

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