

# Report international day of scientific culture 2022

Promotion Committee  
10-31-2022



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## Background

The International Day of Scientific Culture (DICC) aims to demonstrate the importance of scientific culture for citizens in today's world; and celebrate the activities and institutions that provide spaces for people to make science a relevant part of their lives.

Today more than ever, still immersed in a global health crisis with serious effects on the health and life of the population, the economy, the viability of companies, employment and education, the imperative the need to strengthen, by all possible means, a civic culture compatible with science, which encourages people to make informed decisions to better face the challenges that arise, maintain a critical stance in the face of false information and contribute to society successfully faces crises such as the pandemic and issues such as climate change, energy demand, sustainable development, intolerance and many others of enormous importance for humanity and for the planet.

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Throughout the planet, many institutions and individuals contribute to strengthening scientific culture through the public communication of science. But more needs to be done. For this reason, in March 2020 a group of institutions, headed by the Mexican Society for the Dissemination of Science and Technology (SOMEDICYT), launched the initiative of the International Day of Scientific Culture.

These institutions were, in addition to SOMEDICYT, MILSET (Mouvement International pour le Loisir Scientifique Et Technique), the National Network of Youth Activities in Science and Technology (Mexico), the Mexican Network of Science Workshops, FibonacciheInnovation and Scientific Culture (Mexico), the Foundation for the National Center for Science and Technology CIENTEC (Costa Rica), the National Nanotechnology Laboratory-National High Technology Center (Costa Rica) and the Scientific Dissemination Unit of the National University of Distance Education (Costa Rica). These institutions were joined by Dr. Julieta Fierro Gossman, an outstanding member of SOMEDICYT, who was awarded in 1995 with the Prize

Kalinga awarded by UNESCO, in recognition of his work in popularizing science.

September 28, the anniversary of the start of the transmissions of Carl Sagan's series 'Cosmos', one of the most influential popular television programs in history, was chosen to celebrate the International Day of Scientific Culture each year.

The first celebration of the International Day of Scientific Culture in 2020, was carried out through various activities carried out by various institutions from 9 countries in America. Parallel to the institutional actions and events, hundreds of science communicators from those countries published their personal testimonies on social networks.

For the second edition of the DICC, the Promotion Committee invited, from February 2021, various institutions from the educational and science and technology sectors, as well as networks of researchers, educators and science communicators around the world. The 2021 celebration was held by institutions and science communicators in 41 countries.

In 2022, the third edition of the DICC was held, with the participation, through its actions and publications specifically made to celebrate the Day, of **201 institutions** (including six international organizations) that held commemorative activities in **33 countries** of the five continents. On the other hand, 32 new institutions formally adhered to the DICC initiative, compared to those that had adhered and participated in the two previous editions.

## Celebration of DICC 2022

### Organization

The campaign to adhere to the celebration was in force from June to September 2022. This year, 32 organizations from seven countries formally adhered to the DICC initiative<sup>1</sup>, in addition to three international networks, which joined those that had already joined in 2020 and 2021.

The profiles of the organizations from Africa, America, Asia and Europe that have joined are diverse: High Schools, Universities, Research Centers, Scientific Associations, State and National Science and Technology Secretariats and Councils, National and international networks of professionals, researchers and science communicators, Museums and Science Centers, Civil Associations, among others.

In addition to their formal adherence, these and other institutions were invited to organize activities to celebrate the International Day of Scientific Culture on September 28, 2022. Each institution took charge of organizing their activities and disseminating them among the target audiences, including the DICC logo, to generate an identity for the celebration.

In addition to the invitation to organizations, a week prior to the celebration, science communicators, teachers and researchers from countries on five continents were invited to record and publish a short testimonial video with their opinion on the importance of science dissemination. and about how he takes advantage of science and technology in his life. Hundreds of science communicators, researchers, teachers and directors of various organizations published their message on institutional and personal social networks.

Lastly, as a global inauguration, an animated video was produced and published giving an account of the celebration. This inaugural video can be seen at:

<https://youtu.be/XOJSluVYUnY>

<sup>1</sup>Argentina, Colombia, Costa Rica, United States of America, India, Malaysia and Mexico.

Other videos shared by participating organizations and professionals can be seen on the YouTube channel of the celebration:

<https://www.youtube.com/@internationaldayofscientif5537/videos>

## Activities in the DICC 2022

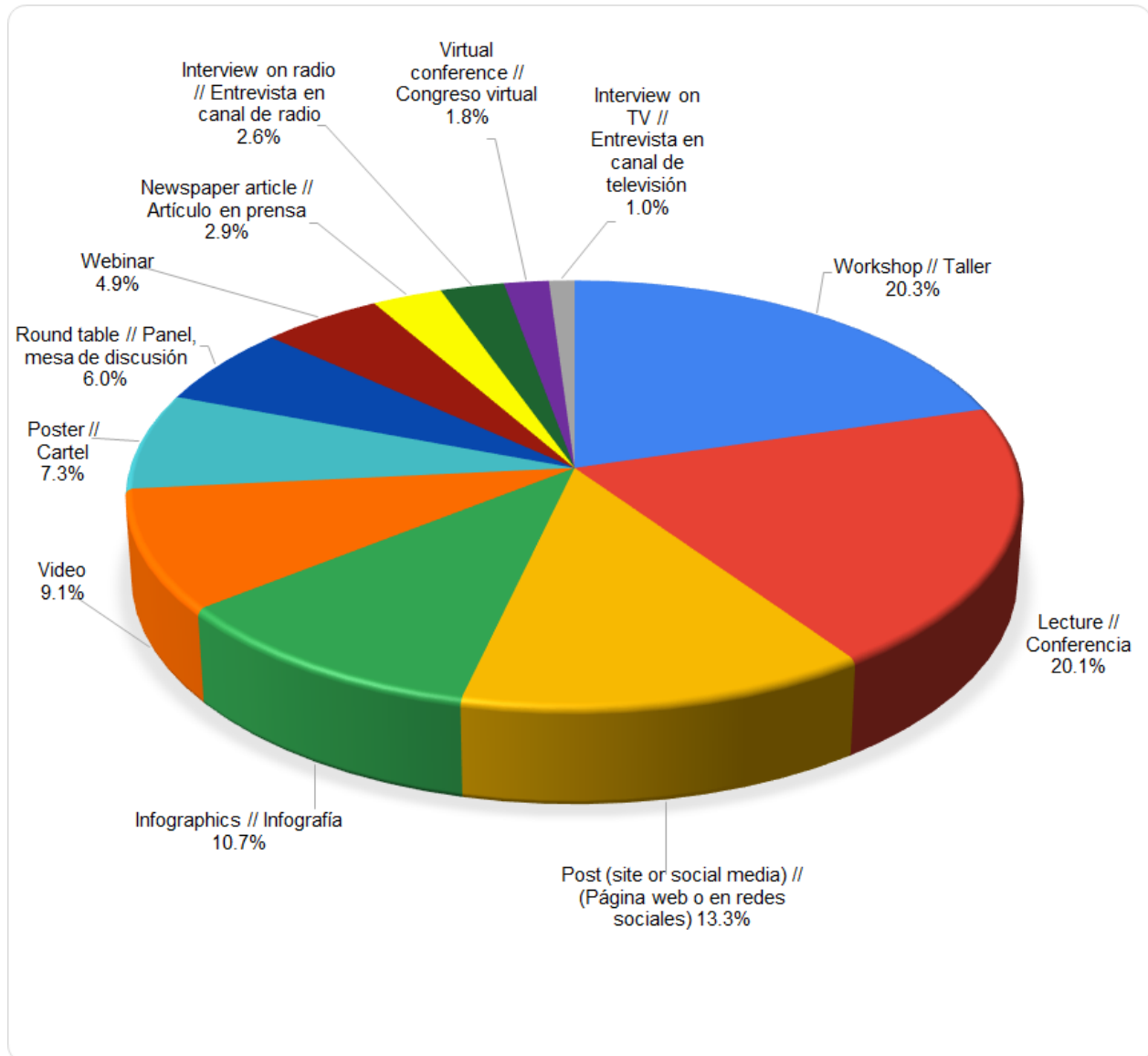
The Promotion Committee received the records of activities from many organizations that had joined the celebration. In addition, he learned of many other activities and actions on social networks carried out by other groups and institutions that did not register them with the Committee. On the other hand, some activities were extended for several days after September 28, but they were carried out as part of the celebration; and there were organizations that stated that they would carry out activities, but did not report them to the Committee.

Therefore, the total number of activities carried out is unknown. However, below are data on participation in the celebration and some graphs of the type of activities carried out, as well as the audiences to which they were focused, which were integrated into the global catalogue.

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The **384 registered activities**, both face-to-face and virtual in different formats, were grouped into 12 categories (Figure 1).



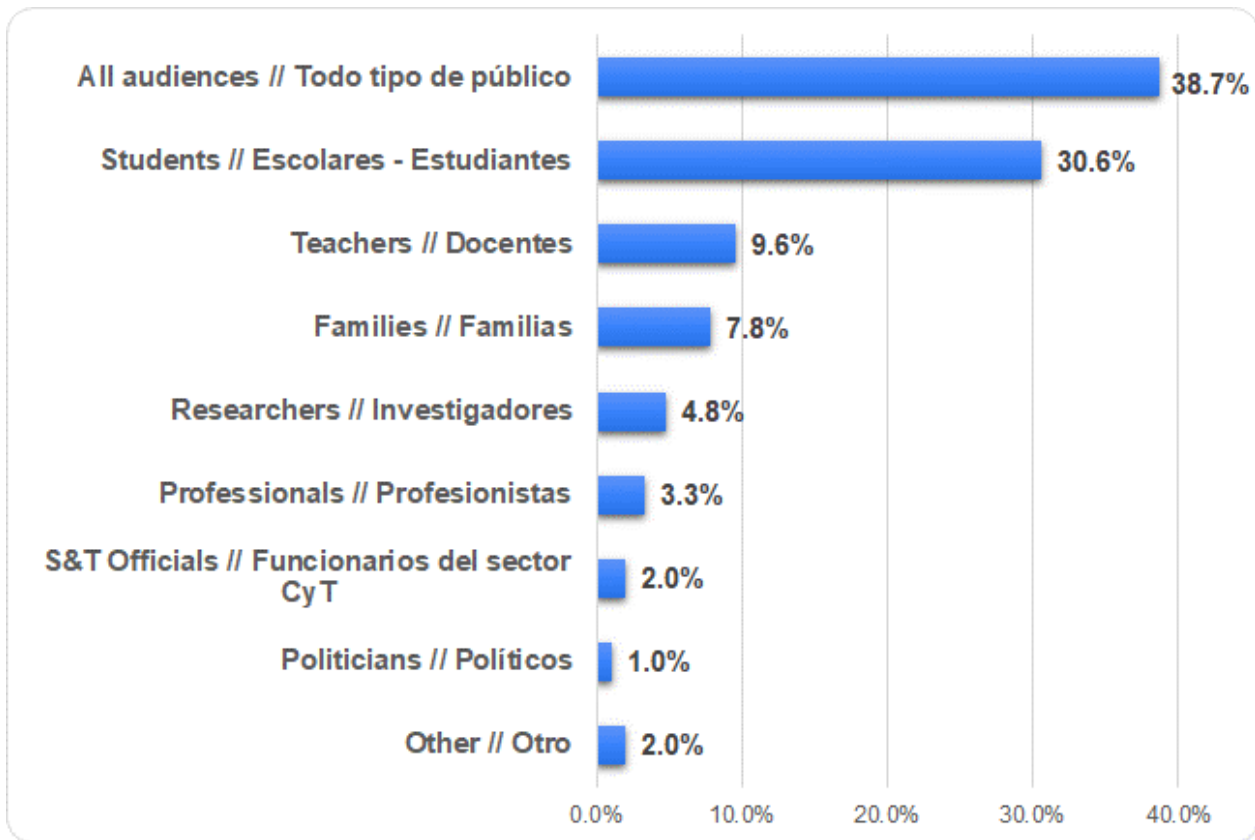
**Figure 1.** Proportions of the activities registered, carried out in the DICC 2022.

Source: Own elaboration based on online registration

The catalog of activities and the interactive map can be consulted on the website of the celebration: <https://www.somedicyt.org.mx/divulgacion/dicc>

## Public

The activities carried out focused on various audiences and social actors. The main ones were the school communities (students and teachers):



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**Figure 2.** Audiences to which the registered activities were focused, in the DICC 2022. Percentages of activities aimed at each type of public.

Source: Own elaboration based on online registration



## Diffusion

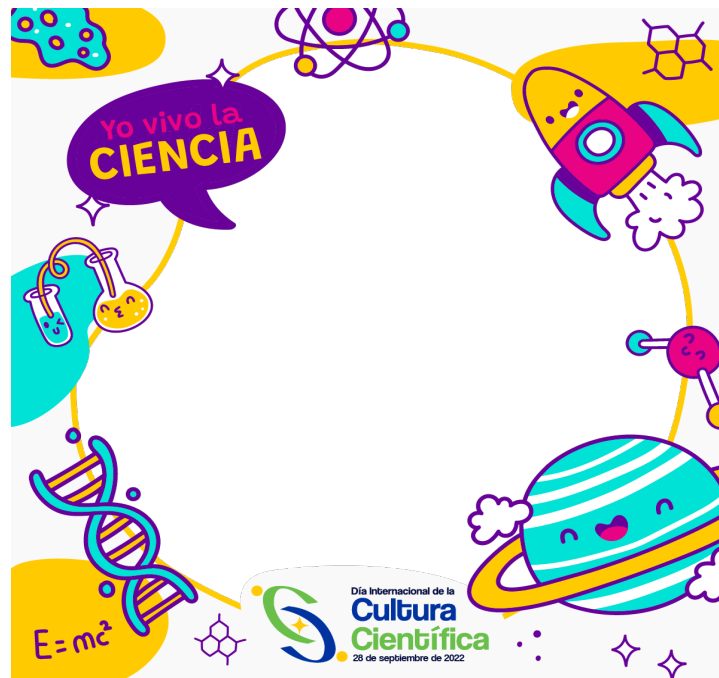
For the dissemination of the celebration and its activities, two strategies were applied:

The first was a statement with general information, so that each institution could personalize its advertising, its participation in the event, the activities it would carry out and its contact information. This communiqué was released in the third week of August (six weeks before the celebration).

The second strategy was dissemination on social networks -both those managed by the Promotion Committee- and those of the organizations participating in the 2022 edition of the DICC. For this, some graphic elements were designed and defined *hashtags* and a general video on the DICC 2022 was produced, which was shared with all the organizations, also in the third week of August.

Below are some of the graphic materials prepared for dissemination on social networks.

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Frames for profile image in social networks (Spanish)



*banner for social networks – Horizontal (Spanish)*



*banner for social networks – Vertical (Spanish)*

The *hashtags* defined were:

#IDSC2022 and #DICC2022

Labels of the official profiles in social networks:

Facebook: <https://www.facebook.com/IDSciCult>

Instagram: <https://www.instagram.com/idscicult/>

Twitter: <https://twitter.com/IDSciCult>

From September 26 to October 1, many of the events carried out in various parts of the world were shared by the participating organizations that labeled their events with the *hashtags*.

DICC 2022 participated in the celebration, **201 organizations** what did they do activities **33 countries, including 6 international organizations**.<sup>2</sup>

### Countries in which DICC 2022 commemorative activities were carried out

AFRICA	AMERICA	ASIA	EUROPE	OCEANIA
Algeria	Argentina	India	Germany	Australia
Kenya	Brazil	Indonesia	Scotland	
Morocco	Chili	Japan	Spain	
Namibia	Colombia	Kuwait	France	
	Costa Rica	Lebanon	England	
	USA	Malaysia	Netherlands	
	Guatemala	Turkey	Romania	
	Mexico		Russia	
	Panama		Swiss	
	Peru			
	Puerto Rico			
	Uruguay			

<sup>2</sup>A greater number than the organizations that have formally adhered to the DICC initiative.

## List of organizations participating in the DICC 2022<sup>3</sup>

### International organizations:

- Young Science Foundation (Argentina-Uruguay)
- International Life Sciences Institute (ILSI – Mesoamerica)
- Mouvement International pour le Loisir Scientifique et Technique (MILSET)
- Ibero-American Organization of Sciences
- Network for the Popularization of Science and Technology in Latin America and the Caribbean (RedPOP)
- Latin American Society of Science and Technology (SOLACYT)



### Africa:

- Association des Petits Débrouillards de Fès pour le développement durable (l'APDFes), Morocco
- Association Scientifiques des Petits Débrouillard of the wilaya of Tizi-Ouzou, Morocco
- EYE-Namibia, Namibia
- Ligue des Activités Scientifiques et Techniques de Jeunes de Tizi Ouzo Algérie, Algeria
- Science&Development, Morocco

### Asia:

- Bardhaman Science Centre, India
- Birla Industrial & Technological Museum (UNSM), India
- Buca Municipality / Kızıllı Science and Art Center (BUCA IMSEF), Turkey
- Dhenkanal Science Center (NCSM), India

<sup>3</sup>They are presented in alphabetical order on each continent

- District Science Centre, Dharampur (NCSM), India
- District Science Centre, India
- District Science Centre, Purulia (NCSM), India
- District Science Centre, Tirunelveli (NCSM), India
- ESA UNGGUL University, Indonesia
- Evrensel College, Turkey
- Goa Science Center and Planetarium, Panaji, India
- Guru Nanak College of Arts, Science and Commerce (GNC), India
- Kurukshetra Panorama & Science Centre, India
- Kuwait Environment Protection Society, Kuwait
- Mouvement International pour le Loisir Scientifique Et Technique - Asia, Kuwait
- National Association for Science and Research, Lebanon
- National Council of Science Museums (NCSM), India
- National Science Centre, Delhi, India
- Nehru Science Centre, Mumbai, India
- North Bengal Science Centre, Siliguri (NCSM), India
- Palampur Science Centre, Palampur (UNCS), Ministry of Culture, India
- Petrosains Sdn Bhd, Malaysia
- Raman Science Center & Planetarium Nagpur, India
- Regional Science Center and Planetarium Calicut (NCSM), India
- Regional Science Centre, Bhubaneswar, Odisha, India
- Regional Science Centre, Bhopal (NCSM), India
- Regional Science Centre, Guwahati (NCSM), India

- Regional Science City Lucknow, India
- Science City, Kolkata, India
- Shrikrishna Science Centre, Patna (NCSM), India
- Vikram Sarabhai Innovation and Research Foundation, India
- Visvesvaraya Industrial & Technological Museum (NCSM), India

## Europe:

- ADItech - Navarro R+D+I System, Spain
- All-Russian Movement of Creative Teachers "Researcher", Russia
- Spanish Association of Scientific Communication (AEC2), Spain
- Network Biomedical Research Center (CIBER-ISCIII), Spain
- Technological Center for Furniture and Wood (CETEM\_CL), Spain
- National Technological Center for Canning and Food – CTC, Spain
- CienciaULL - University of La Laguna, Spain
- Learn about Agriculture and Livestock - Grupo Editorial Agrícola, Spain
- Coslada Culture, Spain
- Culture Science, Switzerland
- CYGNUS Scientific Society – UNESCO Center, Romania
- Catalan Foundation for Research and Innovation (FCRI), Spain
- DesQbre Foundation, Spain
- Institute of Cosmos Sciences (ICCUB)- University of Barcelona, Spain
- Institute of Advanced Chemistry of Catalonia, Spain

- Institute for Research in Biomedicine (IRB) – Barcelona, Spain
- Andalusian Institute of Historical Heritage - Ministry of Culture, Junta de Andalucía (IAPH), Spain
- Microbacterium, Spain
- MILSET Romania, Romania
- Science Museum of the University of Navarra, Spain
- Nanoinventum, Spain
- R+D Explainers Group, Spain
- ReCrea STEAM, Spain
- Robotics, Scotland
- Science for Change, Spain
- The University of Warwick, England
- Scientific Culture Unit - Autonomous University of Madrid, Spain
- Scientific Culture and Innovation Unit - Complutense University of Madrid, Spain
- Scientific Culture and Innovation Unit - University of Huelva (UCC+i UHU), Spain
- Scientific Culture and Innovation Unit - University of La Laguna, Spain
- Scientific Culture and Innovation Unit - University of Salamanca, Spain
- University of Castilla-La Mancha (UCLM) – Scientific Culture and Innovation Unit
- Andalusian Institute of Historical Heritage - Ministry of Culture, Junta de Andalucía (IAPH), Spain
- University of Jaen, Spain
- University of Barcelona, Spain

## America:

- National Academy of Sciences Costa Rica (ANC), Costa Rica
- Delve into Biology, Mexico
- ADN Learns and Discovers Nature, Mexico
- Alzate and its People AC, Mexico
- I love the ocean, Mexico
- Chilean Association of Journalists and Professionals for Science Communication, Chile
- Costa Rican Association of Members of the Biotechnology, Life Sciences and Medical Devices Industry, Costa Rica
- Mexican Association of Museums and Science and Technology Centers (AMMCYT), Mexico
- Panamanian Association of Science Journalists and Communicators (APANPECC), Panama
- Atomium Network of Disseminators, Mexico
- Avanciencia, Colombia
- AXIO, Mexico
- Bacalaureate of the Autonomous University of La Laguna, Mexico
- Biociencia Wild, Mexico
- Biologists Making Things, Mexico
- Industrial and Services Technological Bacalaureate Center (CBETIS 49), Mexico
- Sinaloa Science Center, Mexico
- Center for Scientific Research and Higher Education of Ensenada, Baja California, Mexico
- Mathematics Research Center (CIMAT), Mexico
- Graphological Research Center, Argentina



- Arts Center – CEART, Mexico
- Interactive Center for Science and Technology Abremate, National University of Lanús, Argentina
- National Center for High Technology (CENAT), Costa Rica
- Science in atoms, Mexico
- Science in a click, Mexico
- CIENTEC Peru
- Científicos.pe, Peru
- University Club of Sciences of the Division of Engineering and Architecture CUC DAIA, Mexico
- College of Scientific and Technological Studies of the State of Tlaxcala 10 (Yauquemecan), Mexico
- Permanent Committee of Medical Publications of the Mexican Association of Physicians in Training AC, Mexico
- Communicate Science Chile, Chile
- Council of Science and Technology of the State of Morelos (CCYTEM), Mexico
- Council of Science and Technology of the State of Puebla (CONCYTEP), Mexico
- Council of Science and Technology of the State of Querétaro (CONCYTEQ), Mexico
- Council of Science and Technology of the State of Tabasco (CCYTET), Mexico
- Council of Science, Technology and Innovation of Hidalgo (CITNOVA), Mexico
- Colima State Council for Science and Technology (CECYTCOL), Mexico
- International Council on Disruptive Science and Technology, AC, Mexico
- National Council of Science, Technology and Innovation Technology (CONCYTEC), Peru
- Oaxacan Council of Science, Technology and Innovation (COCITEI), Mexico

- South California Council of Science and Technology (COSCYT), Mexico
- Tamaulipas Council of Science and Technology (COTACYT), Mexico
- Technical Council of Clinical Bioinformatics, Costa Rica
- Zacatecan Council of Science, Technology and Innovation, Mexico
- Curiosciences, Mexico
- Da Vinci Science Center, United States of America
- Directorate of Knowledge Communication, Metropolitan Autonomous University (UAM), Mexico
- Science and Technology Dissemination Directorate, National Polytechnic Institute (IPN), Mexico
- DiVU AC, Mexico
- Popular science, Mexico
- Disseminators, Mexico
- EcoExploratory, Puerto Rico
- El Trompo - Interactive Museum of Tijuana, Mexico
- National School of Higher Studies Unit Morelia, UNAM (ENES-Morelia UNAM), Mexico
- Inter-American Scientific School and College (IHS CATIE) and EARTH Headquarters, Costa Rica
- Space Science, Uruguay
- Explore Science & Design, Chile
- Eugreka - University of Guanajuato, Mexico
- Expociencias Bajío AC, Mexico
- Science Expo Michoacán, Mexico

- Fibonacci • Innovation and Scientific Culture, AC, Mexico
- CIENTEC Foundation, Costa Rica
- Geneall - Israeli Institute of Education and Research Albert Einstein, Brazil
- Cultural Institute of the Province of Buenos Aires, Argentina
- Institute of Science, Technology and Innovation, Mexico
- Barbara McClintock Institute of Genetics, Peru
- Institute of Innovation and Technology Transfer of Nuevo León (i2T2), Mexico
- Institute of Biological Research Clemente Estable, Uruguay
- Materials Research Institute, National Autonomous University of Mexico, Mexico
- La Salle French Institute, Mexico
- Mexican Social Security Institute (IMSS), Mexico
- National Polytechnic Institute, Mexico
- National Technological Institute of Mexico - Campus Colima, Mexico
- Young Scientists for Puerto Rico, Puerto Rico
- Young Entrepreneurs of Hidalgo, AC, Mexico
- National Nanotechnology Laboratory-National High Technology Center (LANOTEC), Costa Rica
- Vagabond Laboratory, Mexico
- LAMAT Science Communication, Mexico
- Michoacán High School, Mexico
- Maloka Interactive Museum, Colombia

- Ministry of Foreign Affairs and Worship (Embassies in Germany, Chile, the Russian Federation, France, Guatemala, Japan, Kenya, Panama, Oceania, the Netherlands) - Costa Rica
- Women to Space, Mexico
- New World, Science Popularization Program, National University of La Plata, Argentina
- Museum of Environmental Sciences, University of Guadalajara, Mexico
- Science Museum of the Autonomous University of Zacatecas, Mexico
- Science Museum of Morelos, Mexico
- Museum of Natural History of the Municipality of Mérida, Mexico
- Museum of Natural History and Environmental Culture of Mexico City (MHNCA), Mexico
- Interactive Museum of Science, Technology and Imaginary Society (UNGS), Argentina
- Interactive Museum El Rehilete, Mexico
- Papagayo Interactive Museum, Mexico
- Museum of Astronomy and Related Sciences (MAST), Brazil
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- Costa Rican Science and Technology Olympiad (OLCOCI), Costa Rica
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- Red Sinapsis, Mexico
- Cambalache Magazine, University of Santiago de Chile, Chile
- Cakotanú Science Magazine – Cakotanú Science, AC, Mexico
- Science Magazine. Faculty of Sciences UNAM, Mexico
- Science Dissemination Magazine PaCiencia Pá Todos, UNAM, Mexico
- University Magazine - UASLP, Mexico
- ROBOTRIM, Mexico
- Knowledge in Territory - Interuniversity Project of Scientific Culture, Argentina
- Ministry of Education, Science, Technology and Innovation of Mexico City (SECTEI), Mexico
- Ministry of Public Education of the State of Chiapas, Mexico
- National Secretariat of Science, Technology and Innovation (SENACYT), Panama
- Astronomical Society "Nicolas Copernicus", Mexico
- Mexican Society of Physicists in Medicine, Mexico
- Mexican Society for the Dissemination of Science and Technology (SOMEDICYT), Mexico
- Scientific Stand Up, Mexico
- Autonomous University of Chiapas (UNACH), Mexico
- Autonomous University of La Laguna, Mexico
- Autonomous University of Querétaro, Mexico
- Autonomous University of San Luis Potosí (UASLP), Mexico
- EAFIT Children's University, Colombia
- Inter-American University for Development (UNID), Peru

- Juárez Autonomous University of Tabasco (UJAT), Mexico
- National University of Colombia – Faculty of Sciences, Colombia
- Polytechnic University of Pachuca, Mexico
- Pontifical Bolivarian University, Colombia
- Popular Autonomous University of the State of Puebla AC (UPAEP), Mexico
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- Universum – UNAM Science Museum, Mexico
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