

#OSC2022

# OPEN SCIENCE CAMBRE

# 2022



# Open Science Cambre

# MOTTO

- Forbidden NOT to touch.
- Forbidden NOT to copy.
- Fair organised by and for young people.
- Cambre families welcome young researchers.
- We offer references. Improvement of the social role thanks to science and technology.
- Science is fun.

Science fairs are a space where new and adult researchers show their experiences to the public. They leave their schools, universities, museums and research centres to show their work in common places such as squares, parks and shopping centres. The Open Science of Cambre, which will be held on 17 and 18 September, has chosen a privileged space in our town: the park of the Church of Santa María de Cambre, built at the end of the 12th century and considered one of the best examples of Galician Romanesque architecture in Santiago de Compostela.

The philosophy of rural village fairs is similar to that of any science fair. Both have a common denominator: the public can "try out" the goods before deciding to take them. Visitors, parents, teachers or pupils can observe and experience first-hand the experiences of new and adult researchers. At our fair **it is forbidden NOT to touch.**



The fairs are a meeting place for young people from different places to show their products to the visiting public. The protagonists, the youth, improve their communication and interactivity skills in different languages, their social and entrepreneurial skills and, of course, their scientific-technological skills. **Open Science Cambre is a fair organised by and for young people.**

Visiting other cities is often a unique experience for students working on their science projects during the year. Open Science Cambre showed the customs and way of life of our environment. That is why we created a group of welcoming families to receive students from nearby places like Vigo, Ourense or Santiago, from far away places like Andalusia, Catalonia, Madrid or the Basque Country or from much more distant places like Lithuania, Holland, the Czech Republic , Ecuador, Mexico or Italy.

One of the premises of an open science fair is to normalise the presence of all kinds of disadvantaged groups. **We offer references**, people who improve their social role through science and technology.





*Open Science Cambre 2021 Awards Ceremony*

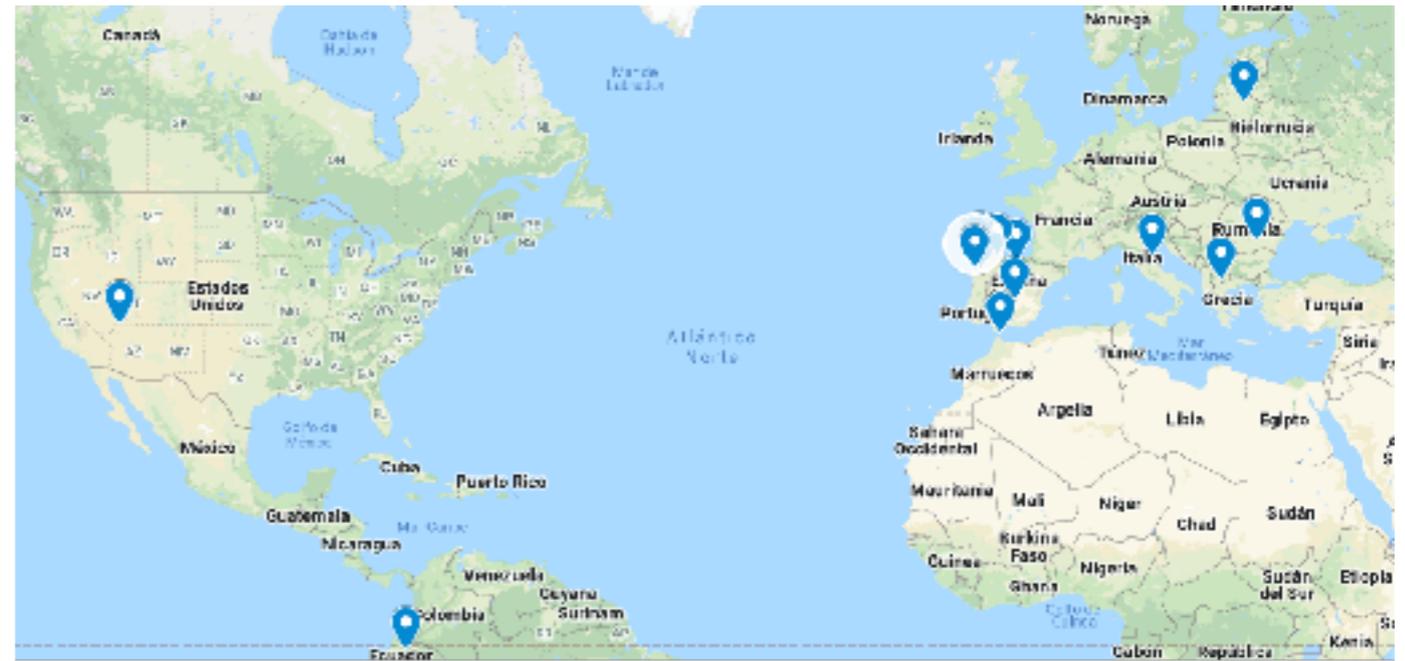
Science fairs allow for a better relationship between teachers and students, generating a change in methodology that is much more effective in the long term. Students do not forget what they are learning, because they are not being told about it, they are experiencing it. If, in addition, this experience is fun and surprising, then we

are in the Open Science of Cambre: shows, competitions, scientific cafés, Escape Room. A whole range of activities to show that **science is fun**.

# OBJECTIVES

The science fair "Open Science Cambre" has some objectives that distinguish it from other science fairs

- International perspective.
- Overwhelming presence among its organisers of young people under 20 years of age.
- Organisation without accommodation and maintenance costs for teachers and students.



*Seven different countries have participated in OSC2021.*



*Volunteers in OSC2022*

# What is an **OPEN FAIR**

An Open Fair includes:

- Open Software.
- Open Hardware.
- Citizen science.
- Free educational resources.



## Open Software

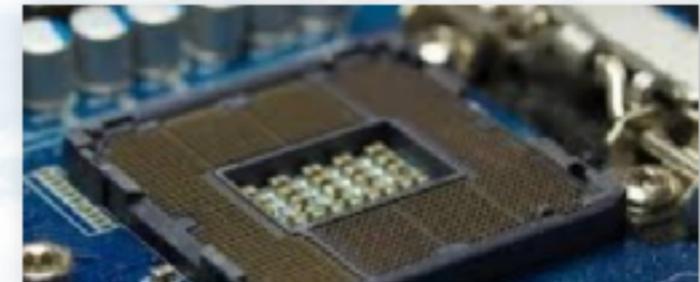
O software que se amosa debe ser libre

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## Open Hardware

Hardware de todo tipo libre e accesible para o público

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## Ciencia cidadá

A ciencia cidadá é a ciencia que podemos facer xuntos

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## Recursos educativos libres

Os recursos que levan profesores e investigadores deben ter licencia Creative Commons

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# SUSTAINABLE DEVELOPMENT GOALS



*Sustainable Development Goals UN*

The **Sustainable Development Goals**, according to the UN, are humanity's to-do list for a sustainable planet, a clear roadmap for a better future. Open Science Cambre, a fair made by and for young people, considers the Sustainable Development Goals as a logbook that helps to put in black and white many of the initial objectives of the fair. A fair held outdoors, free of charge, that promotes the participation of

the entire public, citizen science and collaboration between administrations and companies.

A fair that is sensitive to innovation, knowledge and nature, it is a sustainable fair.



Like the UN, we stand for a better future for all, where everyone can thrive and fulfil their potential. We want to preserve what is good about people, places and the planet, and end the problems that rob us of hope. That's why world leaders met in 2015 and activated the 2030 Agenda: a set of 17 goals for sustainable development, and why we've made them our own at Open Science Cambre.



**THE SDGS CONCERN US ALL, AS WE ARE ALL RESPONSIBLE FOR BEING PART OF THE CHANGE.**

One of the main actions of Open Science Cambre with the Sustainable Development Goals (SDGs) is to reward the research work of young researchers, according to each of the 17 SDGs. Thus we have 17 awards for each of the SDGs.



**WE HAVE ORGANISED THE AWARD CATEGORIES  
FOR THE RESEARCH WORK OF YOUNG  
RESEARCHERS ACCORDING TO THE SDGS. THUS, IN  
OPEN SCIENCE CAMBRE WE HAVE 17 CATEGORIES**



Fairs like Open Science Cambre bring science closer to the public following different strategies, taking into account the age and background of the visitors. Young people don't come to receive a master class, they come to have fun with science. That's why we organise activities for all kinds of audiences.

The activities proposed for this year will be:

Robotics workshops, 3D printing, making Scribbling machines and water rockets.

Scientific shows that show the most complicated science in a fun and entertaining way for all audiences.

Water rocket competitions for the little ones.

Scape Room that excites new and old alike.

Scientists with innovative proposals on technology and scientific dissemination.

# WHO'S WHO IN #OSC2022

We have already started to organise Open Science Cambre 2022 #OSC2022. We appointed the new co-directors, the heads of the commissions and drew up the work plan.

They are young people who have worked voluntarily during the summer to organise the fair. They are responsible for: Selecting the jury, distributing host families, organising the information stand, planning sports and e-sports championships, social networks, shows, preparing workshops or designing an Escape Room, always led by two Directors chosen by them.



# THE GREATNESS OF THE HOST FAMILY

This year 2022, we intend to recover an activity that enriches the fair: families will be able to host young scientists from other autonomous communities or other countries. The science fair "Open Science Cambre 2022", will receive more than 350 young scientists between 12 and 18 years old. The families of Cambre welcomed 120 of these children from other autonomous communities, European or Southamerican countries in their homes.

The young researchers will soak up the customs and lifestyle of Cambre in a family atmosphere. The organisation will distribute families and young researchers combining the most suitable profiles.

# AGREEMENTS WITH OTHER FAIRS



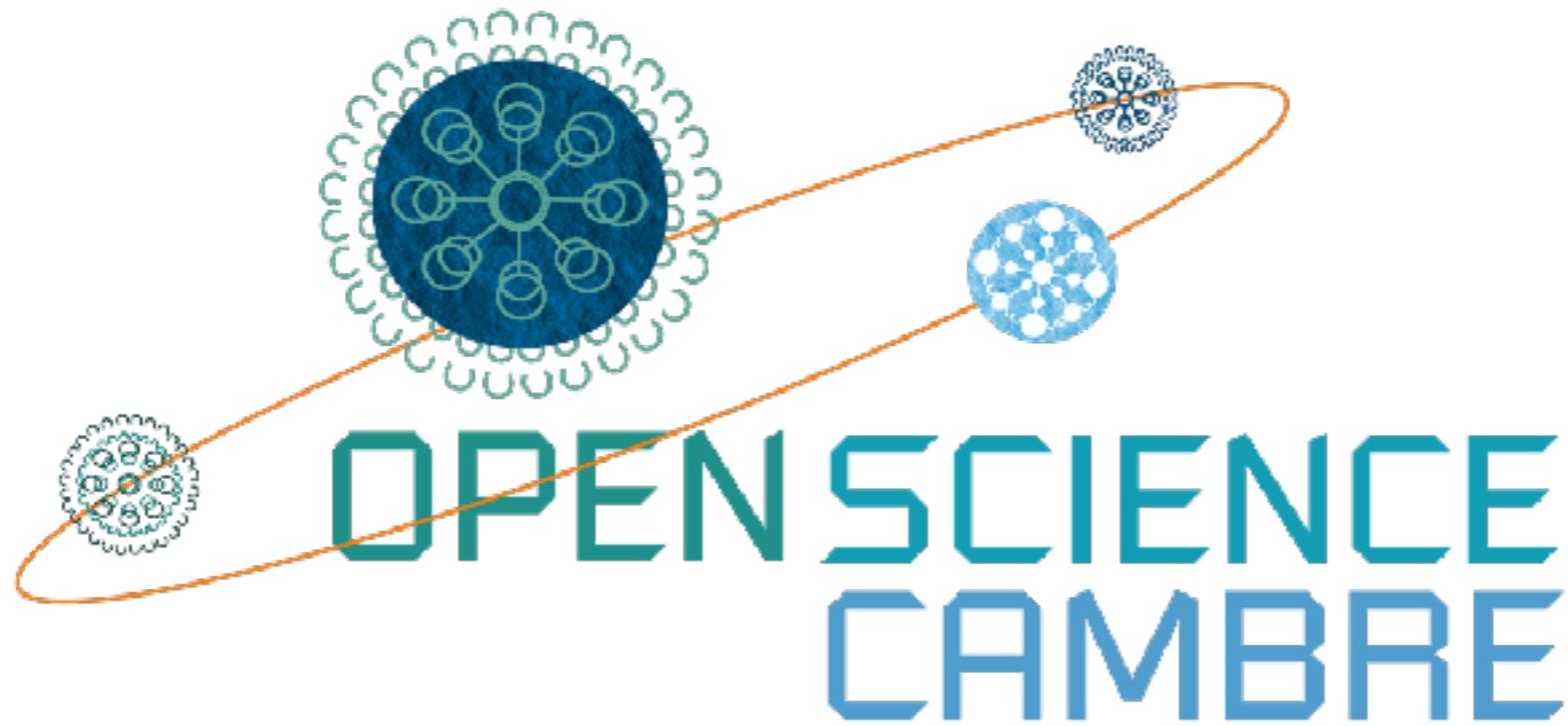
The group of students and alumni who designed and set up the fair have participated in a number of national and international fairs. As a result, they are very clear about what a participant wants from a fair.

The success of Open Science Cambre among young scientists is due to the fact that it is a fair designed by people who have first-hand knowledge of other fairs and have similar tastes. Thus, when considering the prizes, the organisers of the fair have proposed that, rather than receiving a cash prize, they would appreciate prizes in the form of an experience.

In Open Science Cambre we have decided that the prizes consist of access to other national or international fairs, so the Youth Association XenTD100cia has signed agreements with the entities responsible for other fairs such as: Diverciencia in Algeciras, Zientzia Azoka in Bilbao, Expocytar in Argentina and Solacyt in Mexico.



SETEMBRO 2022



#OSC2022



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