

RedeSTEAM: 149 secondary school students compete to create a more sustainable world through STEAM projects

RedeSTEAM is a competition organised by Redeia to increase the number of girls on scientific and technological courses, where they currently represent just 13% of students.

'Girls are attracted to STEAM when they discover that they can use it to combat climate change, improve the lives of others, and make the world a more sustainable, fair and inclusive place,' says Beatriz Corredor, President of Redeia.

31 educational centres from 13 autonomous communities took part in this second round of the competition.

The winners will collect their prizes at Redeia's *Jornadas de Sostenibilidad* (Sustainability Conference) on 17 and 18 October in Madrid.

Madrid, 27 July 2023

A total of 149 students from the 3rd and 4th years of ESO (*Educación Secundaria Obligatoria*/Secondary School) or an equivalent vocational training level, compete to create a more sustainable world through science, technology, engineering, art and mathematics at the second round of RedeSTEAM, a competition created by Redeia to spark interest in science and technology among the youngest students and to increase the number of girls on STEAM courses, where they currently represent just 13% of students.

'It is impossible to achieve sustainable development if women continue to be under-represented in essential sectors such as technology and science. In order to tackle this imbalance, you have to address the root cause. Equal, unbiased and gender-stereotype-free education is essential for encouraging the students of today, professionals of tomorrow, to pursue STEAM courses by linking these disciplines to solving today's biggest challenges', stated Beatriz Corredor, President of Redeia, adding: 'Girls are attracted to STEAM when they discover that they can use it to combat climate change, improve the lives of others, and make the world a more sustainable, fair and inclusive place.'

At RedeSTEAM, participants propose solutions to the challenges on the 2030 agenda, particularly those related to poverty, gender inequality and the environment and the electricity and telecommunication sectors.

At this round of the competition, 31 educational centres from 13 autonomous communities took part (*see list below*) and the projects included initiatives to create clean energies from recycled materials, decontaminate water used in housing with nanotechnologies, improve air

quality in urban spaces, or reduce the risk of forest fires thanks to robots with moisture and temperature sensors, among other things.

The winners will collect their prizes at Redeia's *Jornadas de Sostenibilidad* (Sustainability Conference) on 17 and 18 October in Madrid, where they will also be able to participate in workshops that will continue spark their interest in STEAM. The winning educational centres will receive equipment and materials for laboratories and classrooms dedicated to STEAM subjects.

The participating centres were from Andalusia, Castilla y León, Catalonia, the Community of Madrid, the Comunidad Foral de Navarra, Valencia, Extremadura, the Canary Islands, Euskadi, the Principality of Asturias, Murcia, Galicia and the autonomous city of Ceuta.

Educational centre	Province	Town
IES Eduardo Pondal	A Coruña	Ponteceso
Colegio Fomento Altozano	Alicante	Alicante
IES Pablo Ruiz Picasso	Almeria	El Ejido
IES Universidad Laboral	Asturias	Gijón
IESO Mariano Barbacid	Badajoz	Solana de los Barros
Col.legi Montserrat	Barcelona	Barcelona
Colegio A. Urdaneta	Bizkaia	Loiu
Colegio Claret	Burgos	Aranda de Duero
I.E.S.Comuneros de Castilla	Burgos	Burgos
IES Ciudad de Hércules	Cadiz	Chiclana de la Frontera
IES El Getares	Cadiz	Algeciras
IES Kursal	Cadiz	Algeciras
Ies Vicent Castell I Domenech	Castelló	Castellón
Torrenova	Castelló	Betxi
IES Abyla	Ceuta	Ceuta
IES Aguilar y Eslava	Cordoba	Cabra
IES Gran Capitán	Cordoba	Cordoba
Colegio la Asunción de Granada	Granada	Granada
IES Padre Manjón	Granada	Granada
Colegio Arenas Atlántico	Las Palmas	Arucas
IES Obispo Argüelles	León	Villablino
Colegio Nazaret Oporto	Madrid	Madrid
Mater Immaculata	Madrid	Madrid
I.E.S. Santa Bárbara	Malaga	Malaga
IES Eduardo Janeiro	Malaga	Fuengirola
IES Mediterráneo	Murcia	Cartagena
IES Plaza de la Cruz	Navarre	Pamplona
IESO El Cierzo	Navarre	Ribaforada

CIFP Camino de la Miranda	Palencia	Palencia
Myland International Highschool	Sevilla	Bollullos de la Mitación
Maristas Centro Cultural	Valladolid	Valladolid

RedeSTEAM is one of the initiatives that stems from the '*Alianza STEAM por el talento femenino. Niñas en pie de ciencia* (STEAM Alliance for Female Talent. Girls in Science),' created by the Ministry of Education and Vocational Training, with which Redeia is associated. Through this competition, the company strives to create an education and training system free from gender stereotypes, that encourages female empowerment in STEAM disciplines within the educational system, and that contributes to eliminating the gender divide in terms of accessing said disciplines, as is happening internationally.