S-TEAM PROJECT FEMALE INSPIRING FOR THE FUTURE OF STEM Girls conquering Science, Technology, Engineering and Mathematics



Co-funded by the Erasmus+ Programme of the European Union









Ivana Cankara



November 24th 2023 **KARIS FOUNDATION** SECONDARY SCHOOL **RIMINI/IT**

The students of

IES CASTELAR

present:



0TT0-H20



Co-funded by the Erasmus+ Programme of the European Union











Introduction

Tanker trucks and reused wastewater: How EU countries are fighting drought



In Spai t Theref



Co-funded by the Frasmus+ Programme of the European Union







elación de mujeres del sector a y la Tecnología de Extremadura





In Spain, the drought situation is the order of the day.

Therefore, we as a group will use the resources we have to end this situation.

OUR PROJECT



To create our project we will use a series of materials.

Besides it will be responsible for solving the following problems.











Materials







water tank













humidity sensor



Circuit





Co-funded by the Erasmus+ Programme of the European Union













Rainwater collection issues





Co-funded by the Erasmus+ Programme of the European Union











Water Pump issues







Co-funded by the Erasmus+ Programme of the European Union









Water Pump SOLUTIONS





o-funded by the





women







Water Level issues





Co-funded by the Erasmus+ Programme of the European Union







La constelación de mujeres del sector e la Ciencia y la Tecnología de Extremadura



ultrasonic sensor

water tank

if water level is too low ...

we will refill the tank



Co-funded by the Erasmus+ Programme of the European Union







Osnovna škola Ivana Cankara





but..., we have two options **First option**



well + water pump















if the humidity in floor does not increase

we will send a message









lvana Cankara



and again, we have two options if we have wifi conection ... if not ...

Esp8266 Wifi Module



Co-funded by the trasmus+ Programme of the European Union





La constelación de mujeres del sector la Ciencia y la Tecnología de Extremadura





if not ... SIM 900A Module

if we do not have electricity



we will use solar panels and batteries



Co-funded by the Frasmus+ Programme of the European Union









CONCLUSION We have proven once again that technology can the help environment and make our lives easier.



Co-funded by the Erasmus+ Programme of the European Union











THE END

WE ARE ... Claudia Chavez Oliva Isabella Sánchez Mihai Candela Ramajo Porras Alexandra Borrego Covarsi





Co-funded by the Erasmus+ Programme of the European Union







