



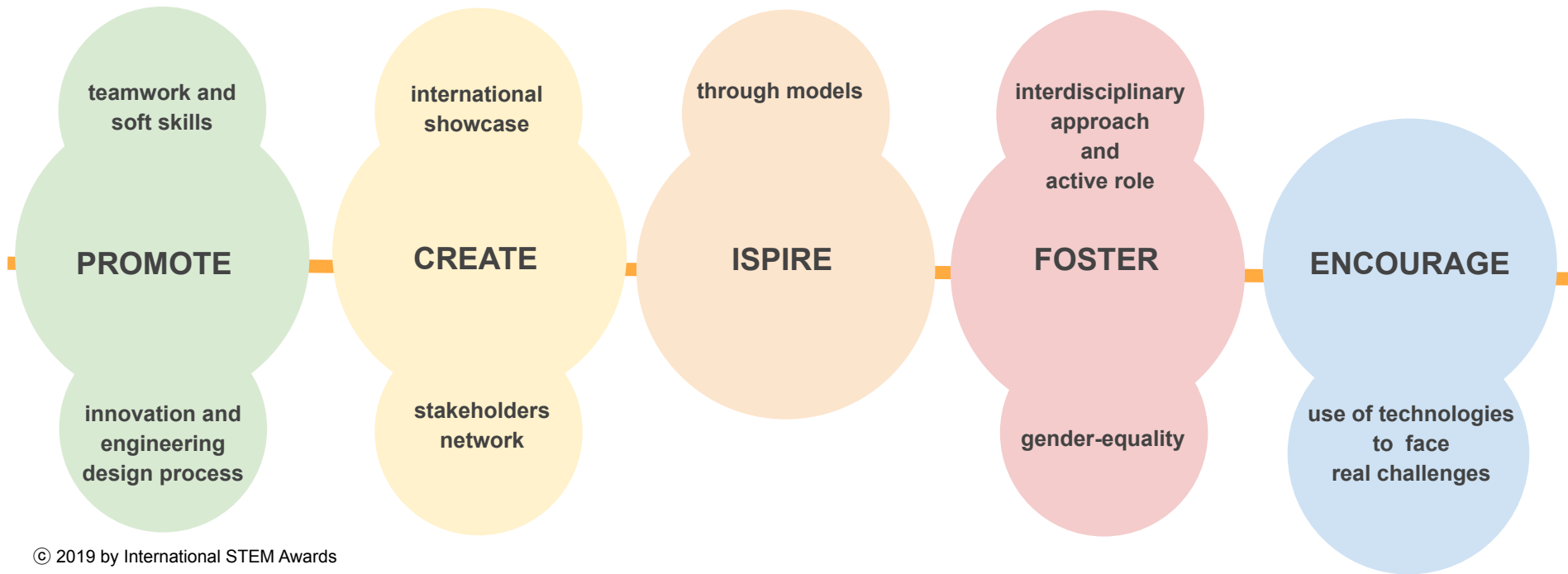
Science, Technology, Engineering
& Maths
With Passion!

Presentation by Elena Vender





GOALS





WHAT IS IT?

online PLATFORM

For the **community** (students aged 7 to 25) to upload original projects and to **participate in challenges** in **STE(A)M** – Science, Technology, Engineering, Maths (and Arts).

live EVENTS

Live events *in Europe* and **FIRST EVENT** in Milan in May 23rd, 2020 at Politecnico University to award the best projects, to promote a network among students, Universities, companies and associations.



WWW.STEMAWARDS.EU

The online **PLATFORM** is a tool for a *community* of students aged 7 to 25 (Contributors) interested in **STE(A)M** subjects that can take part in *Challenges* promoted by the Organization or by companies (Challengers).



WWW.STEMAWARDS.EU



CONTRIBUTOR

Contributors can upload their projects and contribute to the development of the *community*. They can **fork** other students' projects, **like** them and **enroll** their projects into the *challenges*.



WWW.STEMAWARDS.EU



Maria Brown:



Popularity



Awards

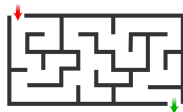


Certificates

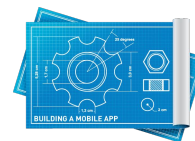
Coding
Data Science
Chemistry
Biology
Electronics



Community



Challenges



Projects







THE CHALLENGES



Can you Improve Life Quality with Technologies?

Challenge for:





-  Kids (7-10)
-  Juniors (11-13)
-  Cadets (14-18)
-  Pioneers (19-25)

 **Suspended**
Date not available



The First Generation of Interplanetary Humans

Challenge for:


-  Kids (7-10)
-  Juniors (11-13)
-  Cadets (14-18)
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 **Suspended**
Date not available

Energy and Environment



Exploit your Planet: is it what you want?

 **Need help?**

Make it Smart! Suggest your Idea for your Smart City

More than 50% of the world's population lives in cities.

In the coming decades, most of the population and global production will be concentrated in large megalopolises.

The best Cities and Communities will offer the best quality of life and the best conditions for economic activities to grow.

Smart Cities are committed to building a new kind of common welfare to their citizens, producing inclusion, dialogue and improving everyday life in different areas: smart building, energy, environment, government, living, mobility, education, health, and much more.

Example projects could include (but are not limited to):

- *Facilitate access to local resources in developing countries*
- *Create affordable housing for city dwellers*
- *Make city services available from mobile devices.*
- *Add connectivity to devices or products in an original way*
- *Make transportation safer and/or more efficient*
- *Make public transportation more accessible to people with disabilities, or limitations*
- *Make cities a great place to live for aged-people*
- *Protect people during adverse circumstances and events like natural disasters, fire and terrorist attacks*
- *Improve cities communication systems to face emergencies*
- *Make it easier for people to recycle, reuse, and not waste*
- *Make a better indoor environment by improving comfort, productivity and air quality*
- *Design energy-efficient buildings that minimize the impact on outdoor environments*
- *Incorporate Smart Grid technologies for the safe, efficient, and reliable delivery of electricity throughout the city*

[Login/Signup](#)

This challenge is for

- 👶 Kids (7-10)
- 👦 Juniors (11-13)
- 🌟 Cadets (14-18)
- 🌟 Pioneers (19-25)

Competition Timeline

Warning:
This challenge is currently suspended.
Please, refer to the organizing committee for further information

Next Opening

Enrollment starting date
November 30, 2019
12:00 PM

Accepting Projects

Enrollment deadline
February 1, 2020
11:59 PM

[? Need help?](#)

Evaluation Criteria and Judging

The Jury is made up of an ad hoc panel of professionals and experts in the technological and scientific fields, professors of science and technology and professors and experts in the philosophy of science, psychology and pedagogy fields.

The evaluation is divided into two phases: by February 15th 2020 the formal admission of the projects will take place based on the eligibility criteria on point 1. and 2. On March 14th, during the International STEM Awards 2020, the judges will evaluate the projects according to the following criteria:

- **Scientific accuracy:** are the contents of the project consistent with widely recognized scientific theories?
- **Autonomy:** are design, planning and execution the exclusive work of the participants (single or team)? Is an external support clearly identifiable?
- **Adherence to the challenge:** is there a clear bond with the challenge? Does the project try to respond concretely to any problem highlighted by the challenge?
- **Capacity to reflect on learning achievements:** can the participants provide a detailed description of what they have learned during the preparation of the project?
- **Metacognitive capacity for problem solving:** can the participants provide an in-depth description of 1) at least one problem encountered during the preparation of the project? And 2) the strategies used to solve it? Pay attention on point 2: the participants must not explain the solution to the problem faced, but reconstruct the strategies implemented to come to that solution.
- **Communication:** how was the online project documented? Was the live presentation clear and effective?
- **Creativity and innovation:** have the participants used a creative and / or innovative approach from the point of view of method and/or technology?
- **Feasibility:** is the project feasible or will it remain a prototype?
- **Team work:** can team work be clearly observed? Have the participants evenly distributed the tasks in the team based on skills/attitudes?
- **Uniqueness and originality:** is the project similar to other projects already on the internet or to the ones that have won previous editions?

A score from 1 to 5 will be assigned for each criteria. The project will be assigned an overall score given by the sum of the scores acquired in the individual criteria.

 [Need help?](#)



Dettagli

Progetto Presentato

Assegna Giudici

Check-In



https://youtu.be/g0K3zq_EmpY

Hello everyone, I am Rosanna and I've done the international stem project with my classmate Giulia. We did it about energy and environment, because we think that even something small can make people reflect how our planet needs our help, and act to make a change.

Our game is about closing non-renewable industries and build renewable ones. You have to create the industries in places where more are needed, and eliminate the ones that are not. You

Project creator

rosanna09

Membri del team

The number represents the age of Team Member at the time of finals

rosanna09

11

Update enrolled project

Warning: by clicking the button below you can update the enrolled project! And remember: with great power comes great responsibility...

[View master project](#)

Update enrollment

[? Need help?](#)

Sign up

First name

This field is mandatory

Last name

This field is mandatory

Username

This field is mandatory. Must contain numbers, letters and/or '_' or '-'. At least 5 characters long.

Put your password

Retype password

This field is mandatory. Must be minimum 8 characters long

Your birthdate

Year

Month

Day

This field is mandatory



LIVE EVENT



Politecnico Bovisa in
Milan



Saturday, May, 23rd
2020



120 projects enrolled
from 10 countries



Expected 3000
visitors



LIVE EVENT

Students have some space to showcase their projects, and to present them to the judges. They can visit other stalls to **exchange experiences** with other participants, or other people from companies, associations, etc..

Teachers can improve their knowledge in STE(A)M and take part in **workshops**.

Everybody can take part in **shows**, STEM talks, speeches on innovation and more.



For info:

elena@stemawards.eu

Thanks for the
Attention!