

# STEAM+

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**Dates: 15-21 May 2017**  
**Location: Iași, Romania**

**Age: 18-30**  
**4 participants + 1 group leader/country:**  
**Spain, Lithuania, United Kingdom, Romania**



PROJECT ORGANIZED BY

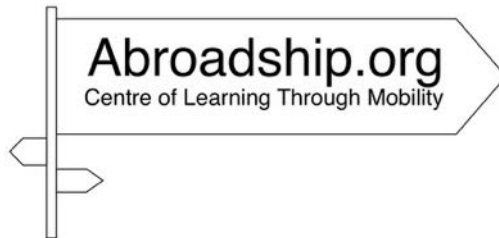


CO-FUNDED BY



# Partners

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Všl "INOVATYVI KARTA"  
NGO "INNOVATIVE GENERATION"



"The beauty of a living thing is not the atoms that go into it,  
but the way those atoms are put together."

Carl Sagan, Cosmos





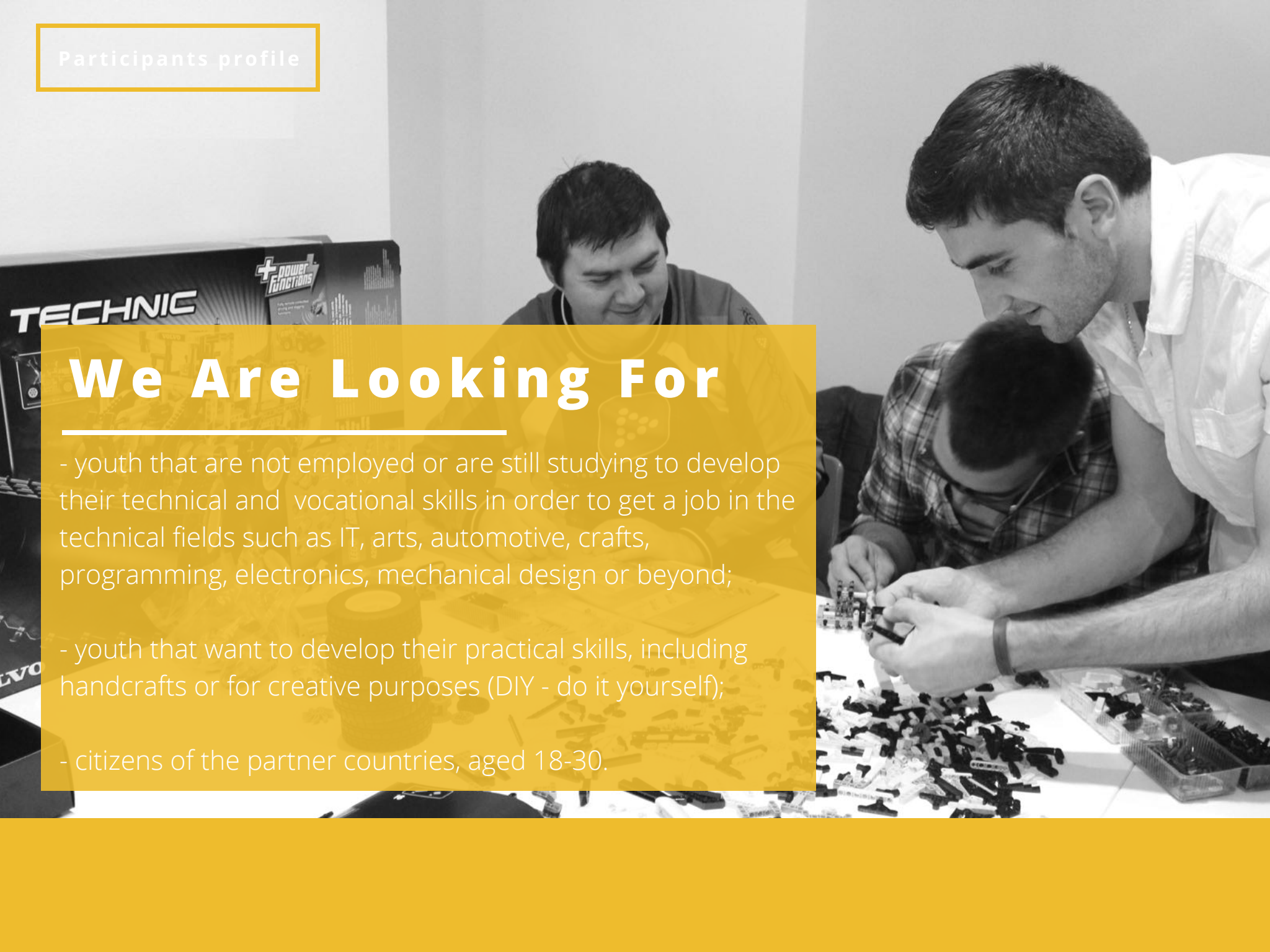
# Context

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- In Romania, UK, Spain and Lithuania each year there are a lot more specialists needed in the STEAM (science, technology, engineering, art and math) sector than there are students graduating from educational institutions.
- STEAM+ project aims to give young people from the participating countries a playful and practical experience in the STEAM sector increasing their practical and technical competences while improving their employability level.
- STEAM+ project consists in exploring sciences across two youth exchanges based on hands-on experience and learning to play, playing to learn methods.

# We Are Looking For

- youth that are not employed or are still studying to develop their technical and vocational skills in order to get a job in the technical fields such as IT, arts, automotive, crafts, programming, electronics, mechanical design or beyond;
- youth that want to develop their practical skills, including handcrafts or for creative purposes (DIY - do it yourself);
- citizens of the partner countries, aged 18-30.





# Focus on Learning

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**S**

- comprehend basic programming mechanisms, basic physics;
- practice in creating things with their own hands;

**T**

- see how technology is integrated in creating day to day objects;
- share skills specific to their culture;

**E**

- basic skills of engineering - including an approach to social engineering;
- how acquiring a new skill can be translated into a job or a business opportunity;

**A**

- up-cycling and re-cycling techniques;
- brainstorming and creative processes for developing art;

**M**

- problem solving and spatial thinking;
- mathematical principals that apply to life.



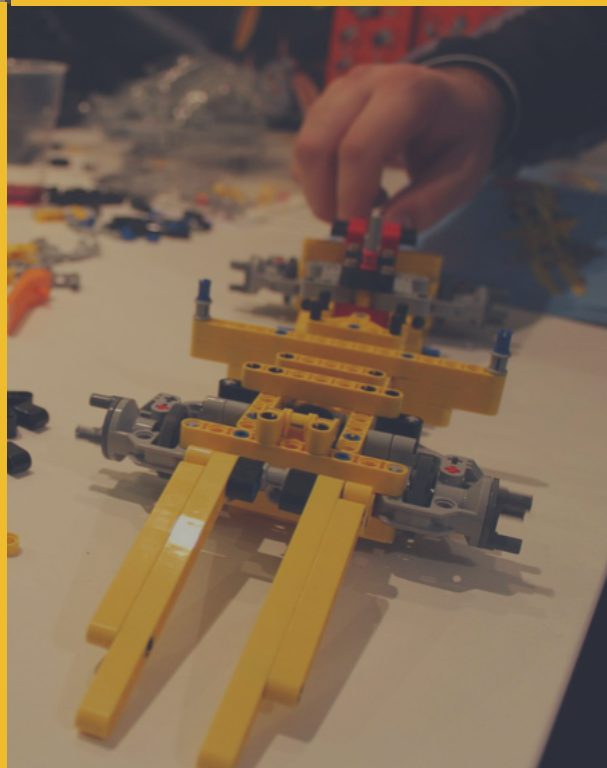
## PASSION

## DELIVERY STYLE

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- **hands-on experience** - experiencing and putting into practice through active participation;
- **learning to play, playing to learn** - learning through games, in a playful environment;
- **LEGO® Education System** creating engineering and robotic mechanisms made out of LEGO to learn STEM concepts, enhance creativity, problem solving, team spirit.

## CREATIVITY





# THE PROGRAM ARCHITECTURE

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## DAY 1

Intro, Erasmus+, getting to know each other, team bonding,

## DAY 2

Basics of robotics & programming, LEGO tools, Intercultural evening

## DAY 3

Robotics, circuits, creativity, study visit in Iași

## DAY 4

Team assignment, hand crafts, 3D printing, study visit in Iași

## DAY 5

Production day, planning and designing products

## DAY 6

Production day, feedback and improving results, Open Day event

## DAY 7

Results, follow-up and dissemination, plans for the future for each participant.



# Costs

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Your travel expenses will be reimbursed up to:

270 euro - Spain and United Kingdom

170 euro - Lithuania

20 euro - Romania

The reimbursement will be done after receiving all your travel documents in 1 months time after the youth exchange.

The contribution fee is 30 EUR to be paid upon arrival. If you are coming from a disadvantage area and cannot afford to pay the fee, tell us to find together a solution.

The accommodation, food, materials are funded by Erasmus+ program.

## AIRPORTS

in Iași, Bacău, Cluj, Bucharest

## BUS, TRAIN

trains: [www.mersultrenurilorcfr.ro](http://www.mersultrenurilorcfr.ro)

buses: [www.autogari.ro](http://www.autogari.ro)

## KEEP & BRING

all your tickets, invoices,  
boarding pass and receipts  
(original) in order to be  
reimbursed

When you buy your ticket, ask for invoice and keep all your travel documents in original - this will guarantee your reimbursement. The reimbursement will be done after the exchange by bank transfer, one per country.



# Hosting City

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## MEETING POINT

at the accomodation. More details in confirmation email.

## ARRIVAL DAY

14 May (between 14-19)

## WORKING DAYS

15 - 21 May

## DEPARTURE DAY

21 May (after 14 PM)

You will be hosted in Iași, the second-biggest city of Romania, placed in the north-est of the country.

Having the first university in the country, Iași is well known for its tradition of excellence and innovation in the fields of education and research.

Once dubbed the 'city of the hundred churches', Iași is indeed bursting with centuries of architectural creations. Yet, besides the monasteries, theaters and other historical buildings, the city has botanical parks, big squares and both communist concrete structures and gleaming modern shopping malls.

Moreover, its intense social life and youth enthusiasm provides a fertile ground for initiatives and growth.

If you are really lost, you can call our team at 00 40 744 681 006

A group of approximately 15 young adults are sitting in a circle on a lush green lawn in a park. They are dressed in casual summer attire, including t-shirts, tank tops, and jeans. Some are looking towards the center of the circle, while others are looking away. In the background, there are several tall, leafy trees and a large, multi-story building with many windows. The sky is overcast. The overall atmosphere is relaxed and social.

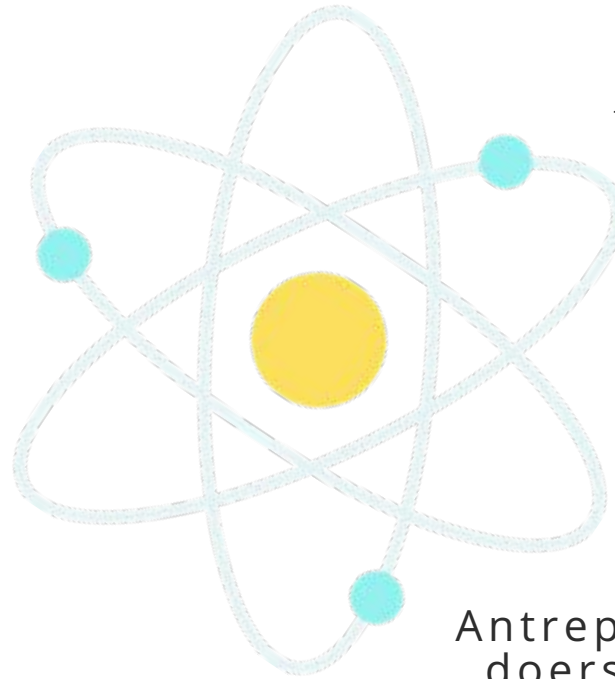
# Weather in Iasi

The middle of May in Romania can be with different weather conditions. The temperatures can vary between 13-24 degrees. Prepare for sunshine, but also for rain.

# STEAM+ Project Team

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Costi, Angela and George will be the facilitators of this exchange. They have vast experience on Erasmus+ projects, being trainers in personal and professional development for the last 7 years, working in more than 6 exchanges every year.



European partners  
from Spain, UK and  
Lithuania

Antrepreneurs and  
doers from local  
community

One of the definitions of Synergy is that **1+1 = 3**, meaning that when you put the parts together, their sum is bigger than if you look at them individually. We will work in synergy.



Contact details

## HOW TO APPLY

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Fill in the application form available [here](#) and send it to the partner organisation. **Click to download**

Abroadship  
Intercambia  
Inovatyvi Karta  
Synergy Romania

United Kingdom  
Spain  
Lithuania  
Romania

hello@abroadship.org  
info@intercambia.org  
raminta.rusoviciute@gmail.com  
steam.synergyromania@gmail.com



Deadline to apply: 31st of March

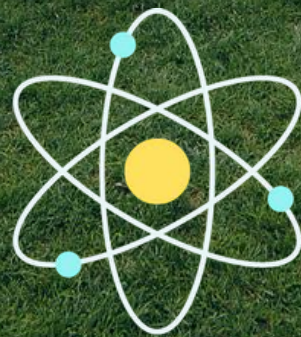
For more information about the practicals, accommodation or how to get there please contact Synergy Romania - [steam.synergyromania@gmail.com](mailto:steam.synergyromania@gmail.com)







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Iași, Romania



STEAM+  
PLAYFUL LEARNING OF SCIENCES