

# STEAM+

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**Dates: 20-27 September 2017**

**Location: Iași, Romania**

**Age: 17-30**

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



PROJECT ORGANIZED BY

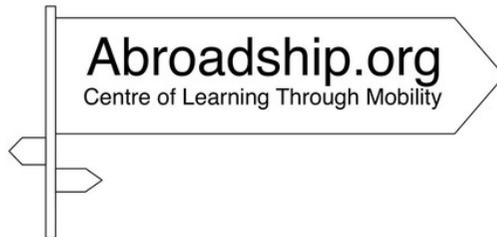


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# Partners

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VŠĮ "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



Erasmus+



# 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

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- citizens of the partner countries, aged 17-30.
- youth that are not employed or are still studying to develop their technical, vocational and social skills in order to get a job.
- youth that want to develop their practical skills, including handcrafts or for creative purposes (DIY - do it yourself).





# 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

## CREATIVITY



# DELIVERY STYLE

- **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.

# THE PROGRAM ARCHITECTURE



## DAY 1

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

## DAY 2

STEAM around Iași, building engineering mechanisms with LEGO, intercultural evening.

## DAY 3

Enhancing creativity and artistic processes with different types of resources, study visits in Iași.

## DAY 4

Basics of robotics & programming with Mindstorms EV3, Team assignment, hand crafts.

## DAY 5

Creation day, planning and designing artsy 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, Suceava, Bacău, Cluj, Bucharest

## BUS, TRAIN

trains: [www.mersultrenurilorocfr.ro](http://www.mersultrenurilorocfr.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

20 September (between 14-19)

## WORKING DAYS

21- 27 September

## DEPARTURE DAY

27 September (after 14 PM)

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

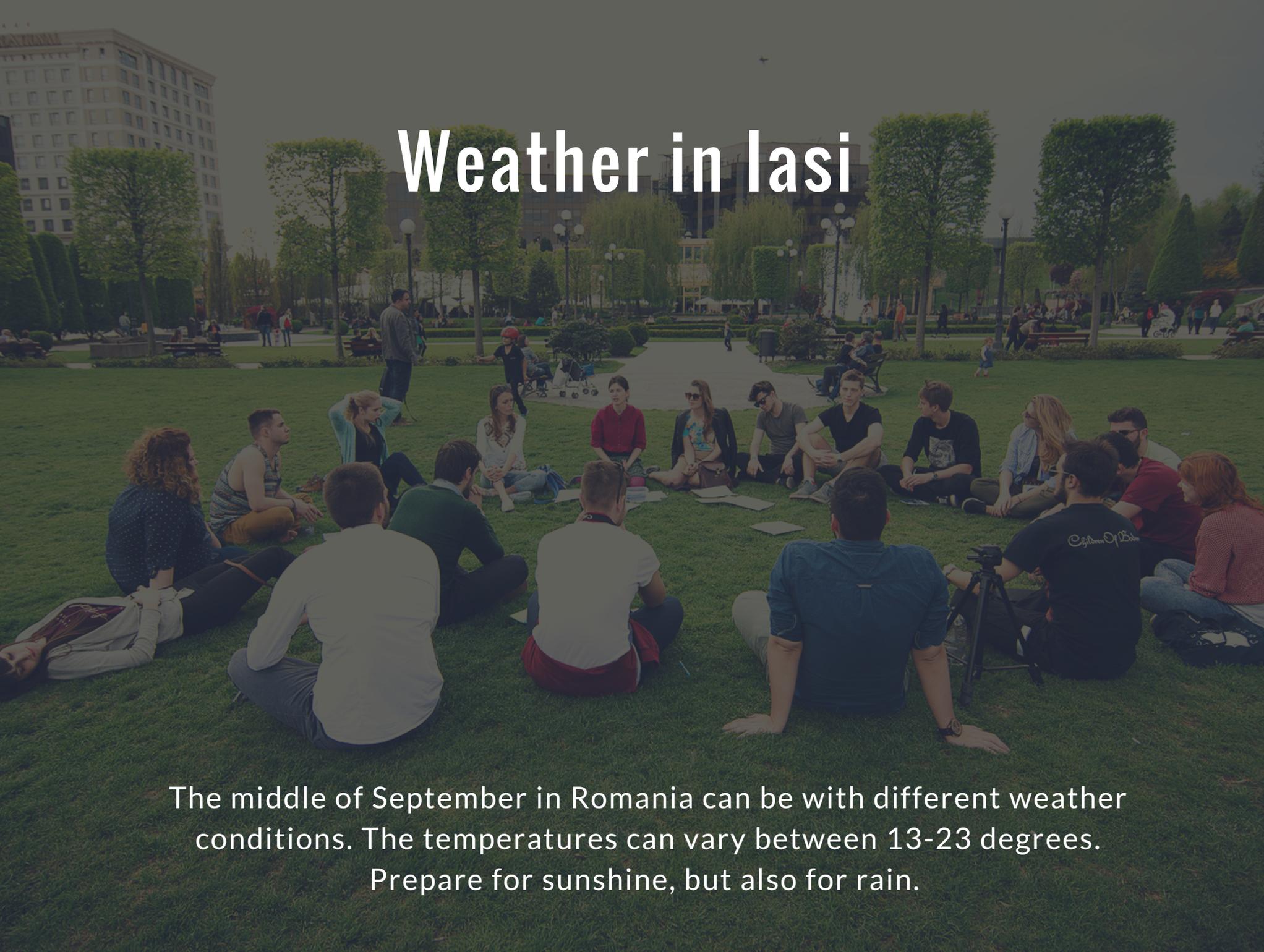
Having the first university in the country, Iași is well known for its tradition of excellence and innovation in the fields of education and research.

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

# Weather in Iasi

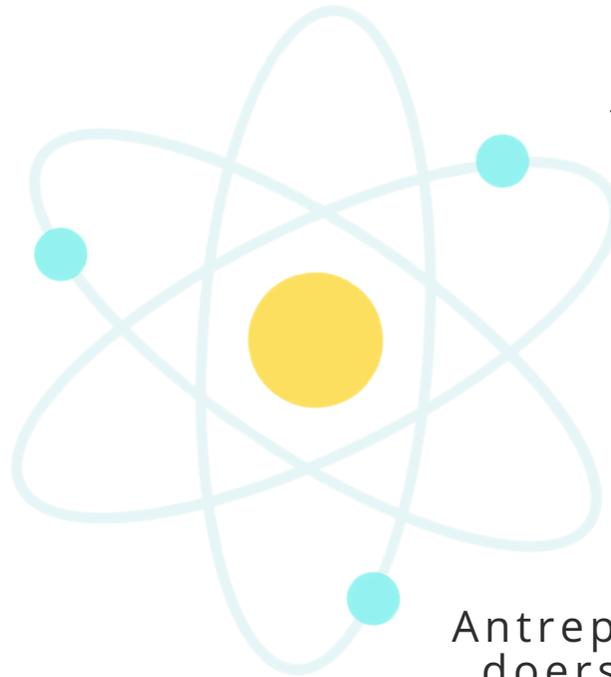
A group of approximately 20 people are sitting in a circle on a large green lawn in a park. They are dressed in casual attire, including t-shirts, blouses, and jackets. Some are looking towards the center of the circle, while others are looking away. In the background, there are several trees, a paved walkway, and a large, multi-story building with many windows. The sky is overcast.

The middle of September in Romania can be with different weather conditions. The temperatures can vary between 13-23 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**

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: 10th of August

For more information about the practicals, accomodation or how to get there please contact Synergy Romania - steam.synergyromania@gmail.com

