

OSNAŽI-USAVRŠI-
INTEGRIRAJ ZA RAZVOJ
&
UCF EDUCATION FUND

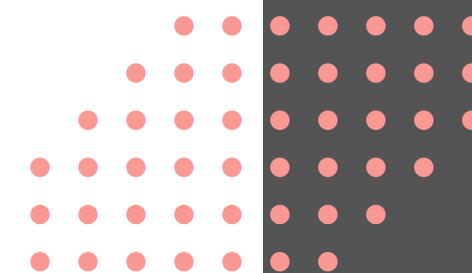
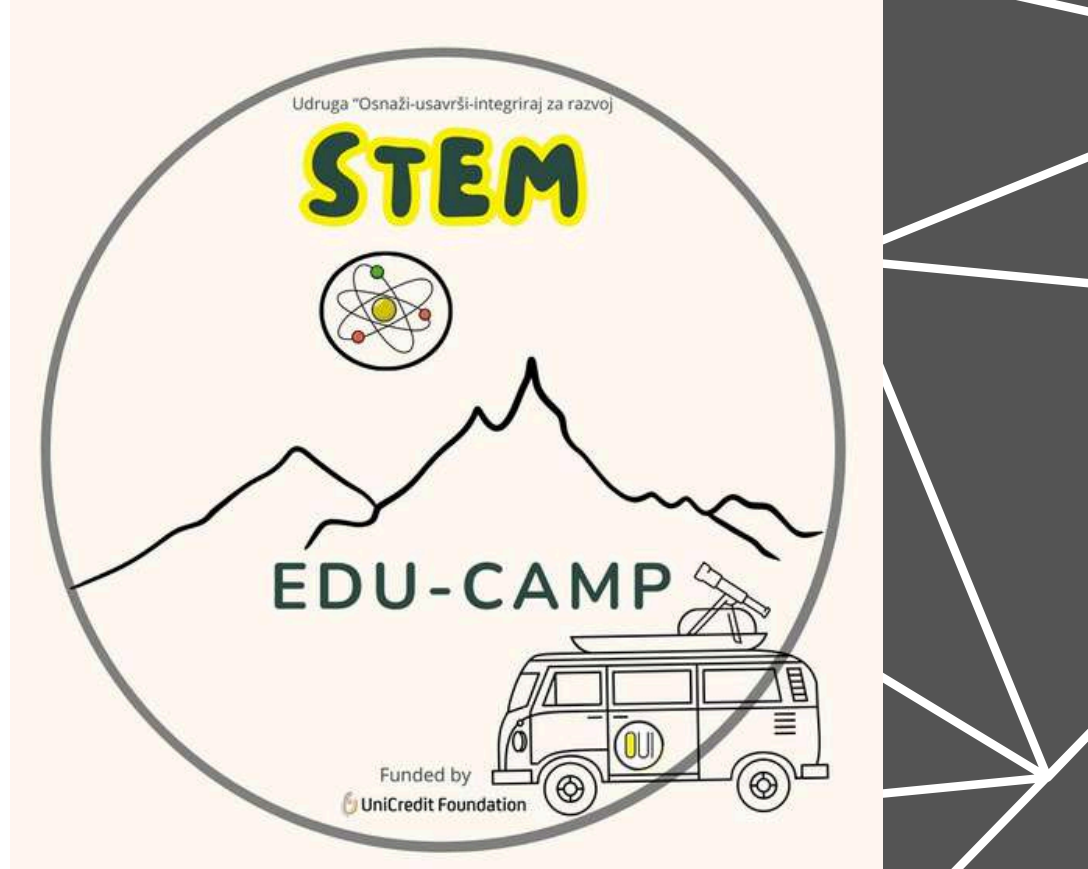
2025-2027

STEM EduCamp

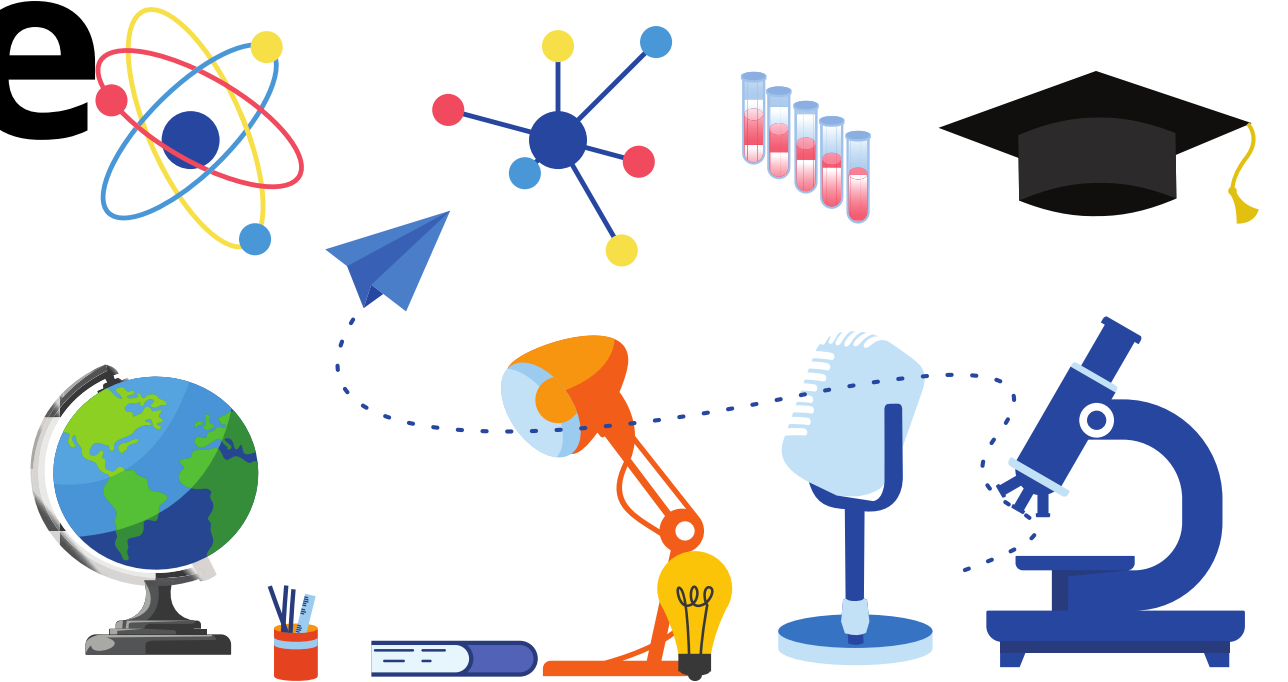
Supporting Underrepresented Students in STEM

PRESENTED BY

dr. sc. Mia Čović, OUI



Experience



ORGANISATIONAL



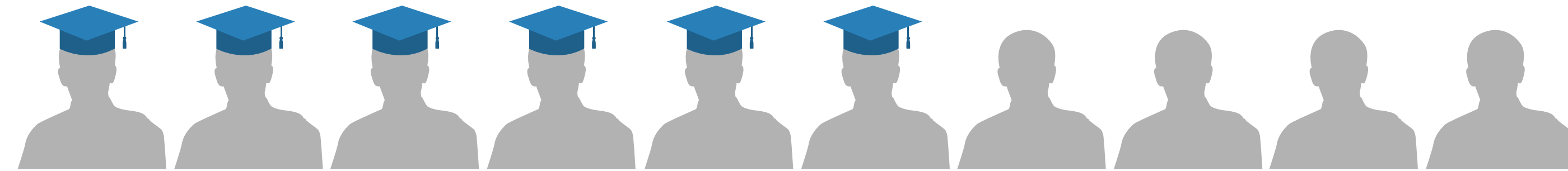
- Sectoral expertize
- Erasmus+ KA1 i KA2
- International colaboraaation
- Education and professional development
- Quality mark- SKOCKANO

PERSONAL/PROFESSIONAL

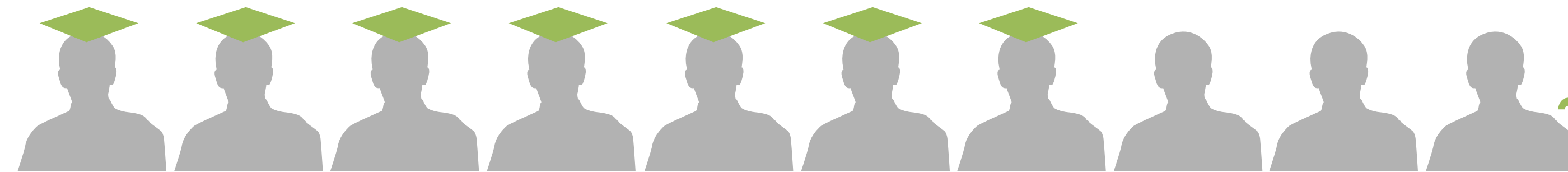
- over 20 year in education
- PhD in STEM integration and methodology
- over 15 programs
- leading, coordinatng, and developing more than 30 projects



Who are we?



**10 team members
& 8 external
associates**



~ 200 PhD students



**~ 4.100 educators
and teachers**

Social and economic development is based on the quality of **human resources** that results from a **quality and efficient education system**, including **non-formal education**.

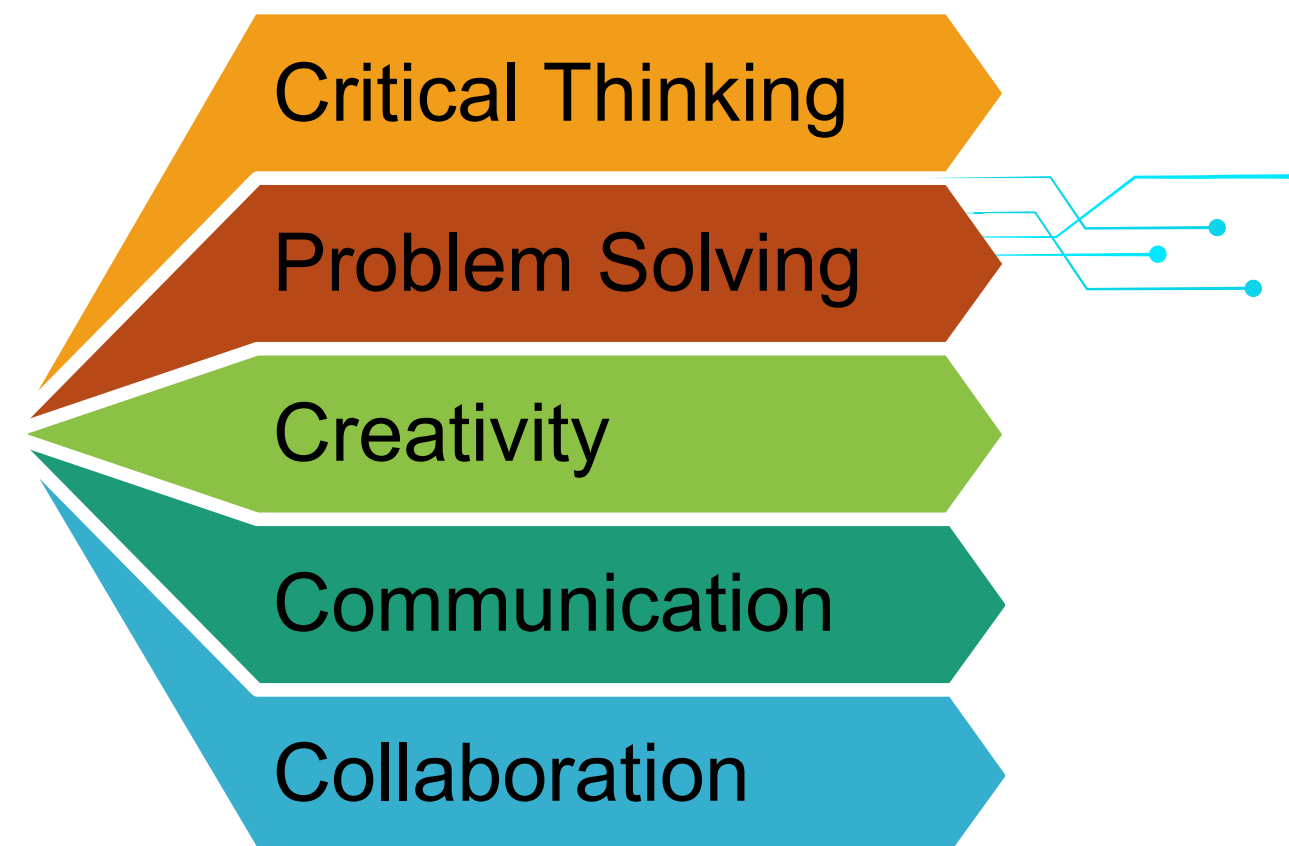
Contemporary education

shapes its goals by focusing on the development of core 21st century competencies

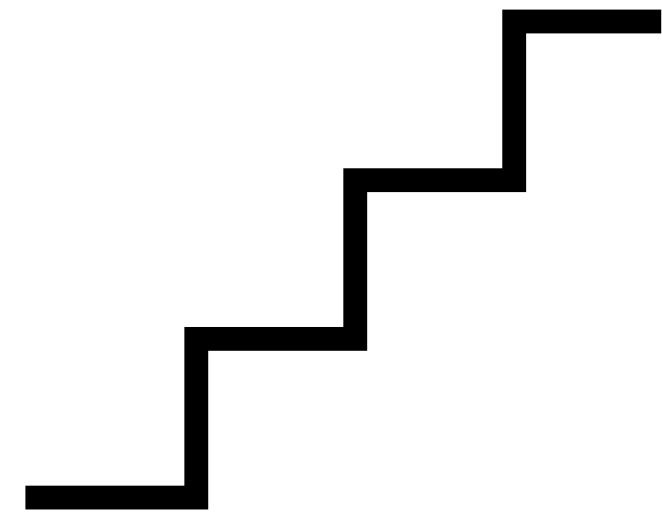


DEVELOPING:

- skills
- knowledge
- behaviours
- mental habits



- how an individual responds to complex challenges
- informed decision-making
- participation in democratic decision-making
- contribution to the development of society's response to rapid social and technological change





Wonder is the beginning of every question.

A large, irregularly shaped hole is torn in a piece of light brown, textured paper. The hole reveals a bright green surface underneath. A vertical strip of the same brown paper is attached to the left edge of the hole.

QURIOSITY

Problem

Addressing barriers faced by underrepresented students according to research



1

Enhancing **access to educational resources** for all students

2

Fostering **community educational partnerships** to support collaborative learning

3

Implementing **innovative teaching methods** to engage diverse learners



BACKGROUND



Addressing barriers faced by underrepresented students

1

Enhancing **access to educational resources** for all students

2

Fostering **community educational partnerships** to support collaborative learning

3

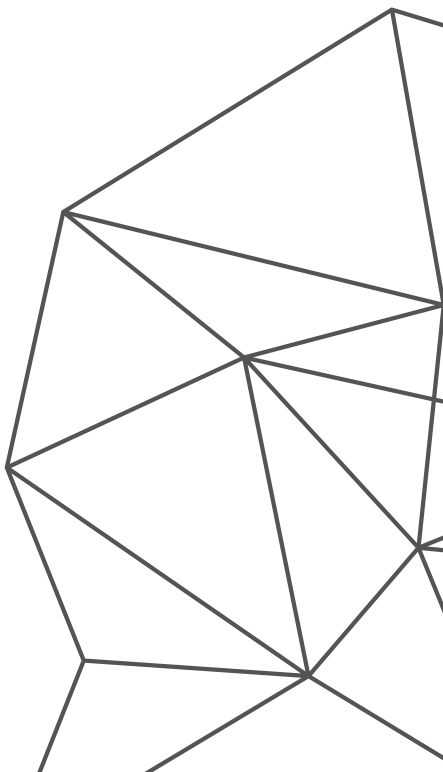
Implementing **innovative teaching methods** to engage diverse learners

Objectives



Supporting underrepresented students in rural areas through innovative educational initiatives in non-formal STEM education.

The programme targets **upper primary and secondary school students** in the suburban and islandic areas of Middle and southern Dalmatian counties characterised by economic and educational poverty. Through STEM activities and extracurricular support it aims to **foster the learning of key STEM competences** for school continuation.



EXPECTED RESULTS



300

Students

Number of students in workshops

15

Schools

Non-formal education events

50

Teachers

Included in professional development

4

Volunteers

Engaged in the programm

For who?

Community Organizations

Public actions - Engaging local groups of youth and parents

Educational Institutions

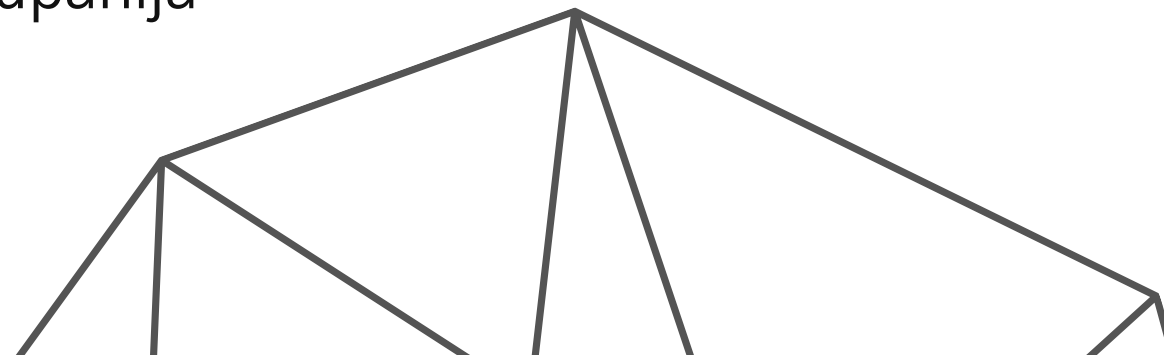
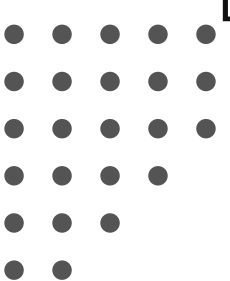
Collaborating with schools to enhance **educational innovation** efforts and empower teachers and youth (age 11-19)

General public

Support **sustainable community initiatives**.

Geographic coverage

3 counties in south Dalmatia: Dubrovačko-Neretvanska, Splitsko-Dalmatinska i Šibensko-Kninska županija



Key Partners Collaborating

Strengthening support

- **schools**
- **NGO's**
- **public body's**
- **scientific community**

Our initiative brings together **dedicated partners** committed to enhancing educational opportunities for all students, ensuring we address their unique needs effectively.



How?

Direct activities for pupils, kids and youth

Workshops and activities at the doorstep, experiments in all shapes and sizes for younger and combining cooking with chemistry for future young chefs

Educational Resources

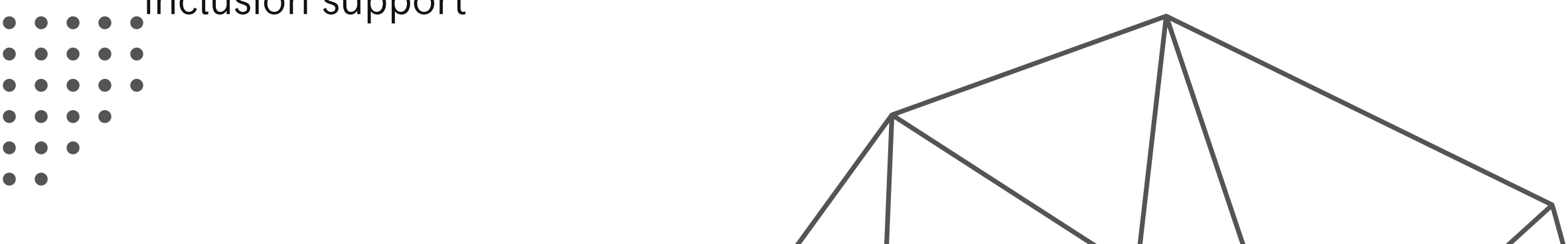
Manuals, STEM game, Astronomy night camp, Treasure hunt, Escape room

Professional development opportunities

Workshops, educational community club

Dissemination

Conferences, science popularization events, research publishing, inclusion support



By whom?



dr.sc. Mirela Sertić Perić

PMF ZAGREB
BIOLOG
VODITELJ PROGRAMA



dr. sc. Vernesa Smolčić

PMF ZAGREB
ASTROUČIONICA
VODITELJ PROGRAMA



dr.sc. Mladen Borovina

PMF ZAGREB
KEMIČAR
VODITELJ PROGRAMA



dr.sc. Ivana Kekez

PMF ZAGREB
KEMIČARKA
VODITELJICA PROGRAMA



dr.sc. Rozana Petani

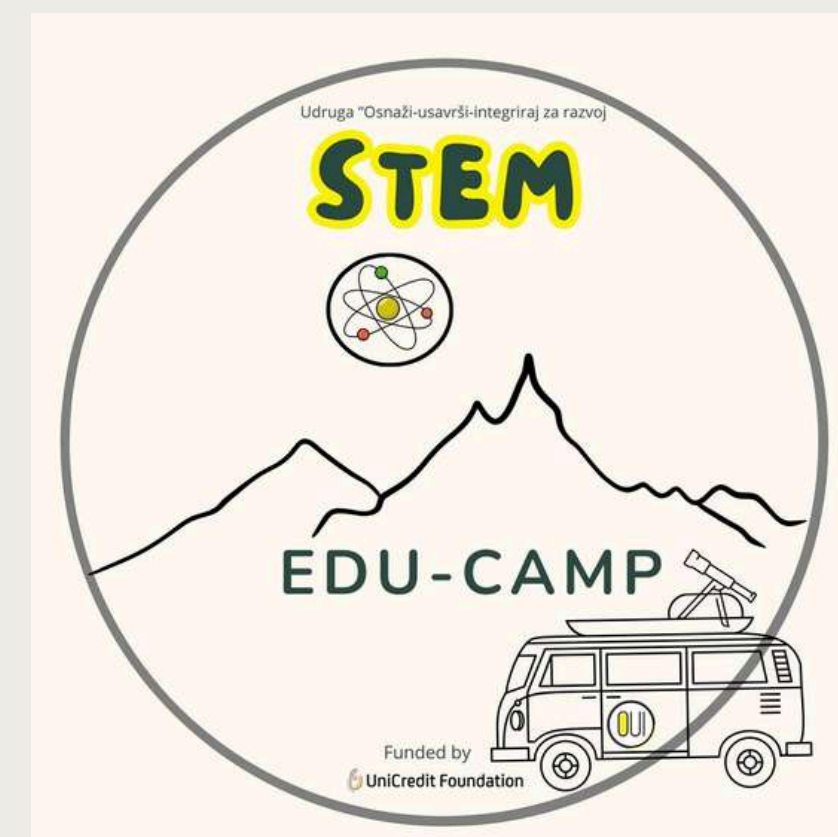
UNIZD
PEDAGOG
LEAD ISTRAŽIVAČ



dr. sc. Mia Čović

PEDAGOG, STEM EDUKATOR,
SCIENTIX AMBASADOR
VODITELJ PROGRAMA
KOORDINATOR PROJEKTA

OUR TEAM





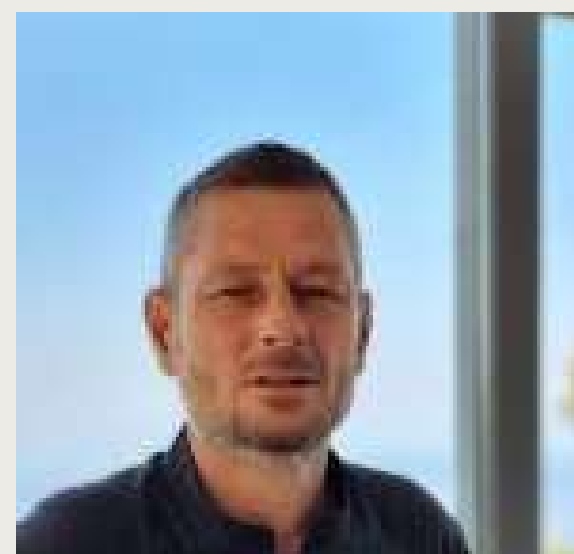
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UDRUGA SLIJEPIH
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Branko Gabelica

IT SPECIALIST
VOLONTER



Vlado Čović

MICHELIN CHEF
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OUR TEAM



Laura Kunac

MARKETING AND DIGITAL
SPEC.
VOLONTER



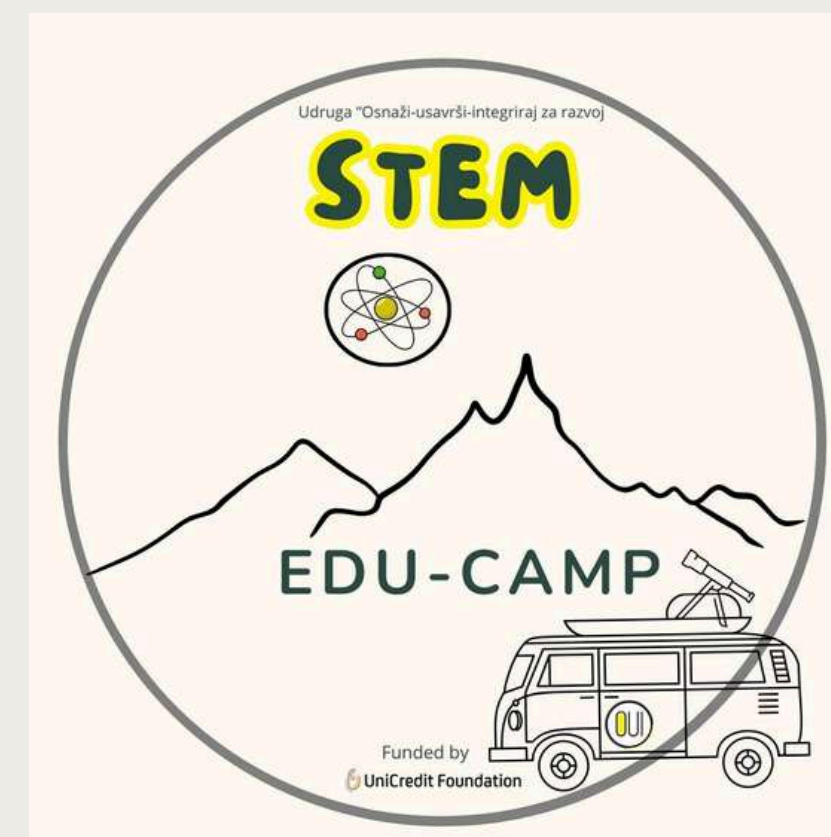
Nikolina Sobol, dipl. oec

POU LIBAR
GAME DEVELOPER



Ives Buljan Gladović,
dipl.ing.el.

PROF. FIZIKE I MATEMATIKE
VODITELJICA PROGRAMA



When?

PROJECT IMPLEMENTATION TIMELINE

2025

EDUCATIONAL RESOURCES

PLANNING PHASE

- LAUNCH CONFERENCE
- MAJOR EQUIPMENT AND RESOURCES PURCHASE
- RESEARCH ON STEM ECOLOGIES
- STEM BOARDGAME DEVELOPMENT
- AGREEMENTS WITH PARTNERING ORGANISATIONS

2026

IMPLEMENTATION

IMPLEMENTATION PHASE

- PROFESIONAL DEVELOPMENT WORKSHOPS
- STEM FOR YOUTH WORKSHOPS
- DIGITAL STEM MANUAL FOR TEACHERS

2026

EDUCATIONAL COMMUNITY

- SCIENCE PICNIC - PUBLIC EVENT
- RESEARCH RESULTS DISSEMINATION
- CONFERENCE

2027

EVALUATION

- RESEARCH ON SOCIAL IMPACT
- OUI 4 STEM EVENT
- CLOSING CONFERENCE



AS ADULTS, WE CAN CHANGE OUR OWN NARRATIVE – WE CAN CHOOSE TO BE THE ONES WHO RECOGNIZE THE POTENTIAL IN A CHILD. THROUGH OUR EMPATHY, SUPPORT, AND FAITH, CHILDREN LEARN TO BELIEVE IN THEMSELVES.



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