



BE 21
SKILLED

PROFESSIONAL DEVELOPMENT OPPORTUNITY

21st CENTURY SKILLS TEACHER EMPOWERMENT PROGRAM

Join us for a teacher focused 5-day immersion into 21st Century Skills and acquire a host of tools to help you transfer those skills onto your STEM students.

A 5-day program

In-person and hybrid training in Riga on **21- 22nd November**

Empowerment program immersion on **23rd November**

Followed by two-day self-paced online learning

Follow our journey here



www.be21skilled.eu



Funded by
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WHAT'S IN STORE?

Our Be21SKILLED hybrid professional development event brings together teachers from RIGAS TEHNISKA UNIVERSITATE (in-person) and UNIVERZITET U BEOGRADU (online) to jointly explore and master 21st Century Skills. Before we share our agenda, let's tell you more about our ERASMUS+ funded project.

Why 21 Skilled?

What Motivates Our Project?

- The rapid change in technology, growing globalisation and internationalisation, in addition to the shift from industrial to knowledge-based economies, has created the need for 21st-century skills.
- Well-rounded 21CS are vital in battling an uncertain future and aiding Europe in being more resilient and responding better to looming threats. Possession of these skills is thus seen as a key to economic and post-COVID recovery.
- STEM graduates are often reported to lack 21st-century skills by employers, which in turn prevents them from innovating, developing, and adapting in uncertain, volatile times.

Be 21 Skilled argues that the introduction of 21CS and their integration into existing curricula has a potential impact to:-

- create more competent, job-ready STEM graduates
- foster a support system and, by extension, increase retention rates of at-risk female STEM students.

This partnership addresses 3 important challenges & needs in STEM and aims to meet these needs and challenges that are reflected through 3 target groups:

Who will benefit?

01

STEM HEI TEACHERS

Although it is widely understood that skilful teachers lead to better education, a vast number of HEI teachers received little to no proper pedagogic training. Therefore, the project aims to address this clear need by upskilling STEM HEI teachers in 21CS to transfer these successfully.

02

STEM STUDENTS

Employers increasingly report STEM graduates are not job-ready & require soft skills & need a broader set of non-cognitive skills to cope with the demands of the digital transition. The project will specifically focus on this problem and need by upskilling STEM students in 21CS through the ecosystem approach (co-creation with industry) and by upskilling STEM HEI teachers.

03

FEMALE STEM STUDENTS

Due to challenges faced by female STEM students, through comprehensive training and support, we argue that fostering 21CS, which focuses on skills (such as grit), would have a positive effect on retaining female STEM students in STEM HE systems. More aware HEI STEM teachers and non-female STEM students on the importance of non-cognitive skills (such as empathy) have the potential to act as a supporting mechanism for female students, thus influencing their retention in the systems.



Our hybrid professional development event brings together teachers from **RIGAS TEHNISKA UNIVERSITATE** (in-person) and **UNIVERZITET U BEOGRADU** (online) to jointly explore and master **21st Century Skills**. We will share 3 key results ..



TUESDAY, November 21st 2023, AGENDA

VENUE: RTU FEEM, Riga, Str. Kalnciema 6

LINK FOR VIRTUAL ATTENDENCE

<https://rtucloud1.zoom.us/j/95448200443> Meeting ID: 954 4820 0443

		
09:30 – 10:00	Registration of participants + coffee	
10:00 – 10:15	Welcome and introduction - orientation, what motivated this project, what are we going to achieve	RTU, Inga Lapina
10:15 -10:45	Tool - Creativity - Marshmallow Challenge and Reverse engineering (teamwork)	UB, Žarko Mišković
10:45 –11:45	Identify and Apply 21st-Century skills in a specific field and region	Momentum, Orla Casey
11:45 - 12:05	Tool- Purposefulness - Journalling	ACEEU, Adisa Ejubovic
12:05 -12:30	Tool- Positive Attitude - inspirational stories	UB, Žarko Mišković
12:30 – 13:30	Lunch-break and networking	
13:30 – 13:50	Tool –“Problem-Solving Tool TRIZ (Theory of Inventive Problem Solving): A unique tool for solving engineering (but not only) contradictions.”	RTU, Modris Ozolins
13:50 – 14:50	Applying tools in teaching practice. Break into teams, explore a challenge, develop 21 st century tools and recommend solution	Momentum, Orla Casey
14:50 – 15:10	Coffee break	
15:10– 16:00	Reflection, key learnings and takeaways (identify challenges in different implementation settings)	Momentum, Orla Casey

Our morning focus is on creativity, teamwork, and purposefulness, featuring interactive activities like the Marshmallow Challenge and sessions on journaling, led by experts Žarko Mišković and Adisa Ejubovic. The afternoon sessions, led by Modris Ozolins and Orla Casey, delve into problem-solving techniques using TRIZ and reflective feedback on team approaches and solutions.

The day balances practical skill-building with inspirational and reflective learning, wrapping up with a focus on key learnings and implementation challenges.

WEDNESDAY , November 22nd 2023, AGENDA

VENUE: RTU FEEM, Riga, Str. Kalnciema 6

		
09:30 – 10:00	Registration of participants + coffee	
10:00 – 11:00	Tool – Role playing – emotional intelligence and empathy	ACEEU, Adisa Ejubovic
11:00 – 12:00	Be 21 Skilled e-Compass Masterclass	EUEI, Cara O'Sullivan
12:00 – 12:10	Coffee break	
12:10- 13:00	Choose and implement specific 21st-century skills in a study course	Momentum , Orla Casey
13.00 – 14:00	Lunch-break	
14:00-15:15	Tool –Problem-Solving- “Lego Serious Play: Can the world-famous kids’ game be utilized as a basis for studies?”	RTU, Professor Deniss Ščeulovs
15:15-15:30	Coffee-break	
16:30 – 17:15	Tool –Problem-Solving- “Lego Serious Play: Can the world-famous kids’ game be utilized as a basis for studies?”	RTU, Professor Deniss Ščeulovs
17:15 – 17.45	Applying tools in teaching practice. Break into teams, explore a challenge, develop 21 st century tools and recommend solution	Momentum, Orla Casey
17:45 – 18:15	Evaluate: assess experience, lessons learned, challenges	ACEEU, Adisa Ejubovic

Our Day 2 starts with Adisa Ejubovic from ACEEU leading a session on emotional intelligence and empathy through role-playing. This is followed by the Be 21 Skilled e-Compass Masterclass, presented by Cara O'Sullivan from EUEI. After a refreshing break, , Orla Casey from Momentum will focus on the selection and implementation of specific 21st-century skills in study courses. The post-lunch segment features an engaging problem-solving session using "Lego Serious Play," facilitated by Professor Deniss Ščeulovs from RTU. The programme concludes with practical application exercises led by Orla Casey, where participants form teams to develop and recommend solutions using 21st-century tools. The day ends with an evaluation and reflection session by Adisa Ejubovic, encouraging participants to assess their experiences, lessons learned, and challenges faced. The day's activities are designed to engage participants in hands-on learning and reflective practices, emphasizing creative problem-solving and effective teaching methodologies.

Teacher Empowerment Program Immersion

23rd November 2023

Participating in this BE 21 SKILLED TEACHER EMPOWERMENT PROGRAM means you are the first teachers to benefit from this project which seeks to help you empower your HEI students in STEM to develop well-rounded 21st century skills which are vital in battling uncertain future and aiding Europe in being more resilient and responding better to looming threats.

You will be given exclusive access to our full scale 6 module BE 21 SKILLED TEACHER EMPOWERMENT PROGRAM. Guided by our team of pedagogic experts, this will give you a sense of the entire programme which we invite you to complete in our own time (2 days recommended).

The links you need will be shared when we meet in person.



SELF DIRECTED LEARNING (2 DAYS)

BENEFIT FROM OUR 6 MODULE EMPOWERMENT PROGRAMME

MODULE 1
21ST CENTURY SKILLS
IN A NUTSHELL

MODULE 2
EMPLOYER'S PERSPECTIVE
European Skills Panorama
Key industry trends

MODULE 3
The Role of Regional Skills
Councils, learnings from
Latvia and Serbia

MODULE 4
Innovative pedagogical
practices to boost the
relevant 21CS in students

MODULE 5
21CS integration into the
curriculum

MODULE 6
Elevate 21 CS in STEM
teaching

www.be21skilled.eu

