

## Shaping, Enhancing and Nurturing STEM in Europe - The Way Forward

### INVITATION

Skills in Science, Technology, Engineering and Mathematics (STEM) are becoming an increasingly important part of basic literacy in today's knowledge economy. Europe faces a shortage in science-knowledgeable people at all levels of society and the economy. Overcoming these challenges will require input from specialists and from stakeholder groups. The solutions shall support learners of all backgrounds and talents in developing positive attitudes to science, and help ensure sustainable societies into the future.

The Shaping, Enhancing and Nurturing STEM in Europe Project is a result of a two years' cooperation of a partnership of Regional Authorities governing education (including VET) on the regional level – Zlínský kraj in the Czech Rep., VET providers – GRETB in Ireland, UTC in Italy, two enterprises with strong cooperation with companies – Trexima in the Czech Rep. and SES13-19 Ltd. in the UK, CPIP – a centre for teachers training and supporting young people in Romania, and University of Cyprus bringing a great experience in the area of applying ICT tools to engage young people in STEM.

We have worked in the area of promoting STEM careers among young people in a modern and attractive way for two years. Our key topics were:

- **could volunteers from a STEM related jobs and disciplines help bring a new and inspiring perspective to STEM lessons and career opportunities?**
- **could a contest based approach and use of modern technologies attract young people's attention to STEM learning?**
- **could teachers identify and support young talents in STEM effectively?**
- **could Authorities, decision makers and other stakeholders contribute to STEM learning attraction?**

Are you interested in our results and conclusions? Would you like to contribute to the debate on STEM learning? You are invited to a Final Conference of The SENSE project.

**When:** 24<sup>th</sup> February 2021, 10:00 - 14:00 Brussels time

**Where:** on-line

**Registration:** please, register on-line <https://forms.gle/JBZdwa7Azc8m9KET7> by 22<sup>th</sup> February 2021

## AGENDA OF THE CONFERENCE

24/02/2021	
10:00 - 10:15	<b>Introduction</b> , Martina Němcová, Zlínský kraj, Czech Rep.
10:15 - 10:45	<b>Induction and managing of STEM Supporters</b> <b>STEM Supporters Training</b> <b>Practical examples of STEM activities</b> Brian Martin, SES 13-19 Ltd., United Kingdom Ian Crawford, SES 13-19 Ltd., United Kingdom <b>Questions and discussion</b>
10:45 - 11:15	<b>Interactive, Attractive and Modern Way of Engagement Young People in STEM education</b> <b>Contest based approach</b> <b>Use of modern technologies</b> Alexandros Yeratziotis, University of Cyprus, Cyprus Christos Mettouris, University of Cyprus, Cyprus <b>Questions and discussion</b>
11:15 - 11:30	<b>Pause</b>
11:30 - 12:00	<b>Support for Talents in STEM</b> <b>Strategies for Identification and Development of Talents</b> <b>Support for girls in STEM</b> Giampiero Bianchini, Umbria Training Center, Italy Angelica di Giacomo, Umbria Training Center, Italy Francesco di Giacomo, Umbria Training Center, Italy <b>Questions and discussion</b>
12:00 - 12:30	<b>The SENSE project results</b> John McLoughlin, GRETB, Ireland
12:30 - 13:15	<b>Pause</b>
13:15 - 14:00	<b>The Way Forward - recommendation on the STEM learning for policy makers</b> Martina Němcová, Zlínský kraj, Czech Rep.
	<b>Questions and discussion</b>
14:00	<b>Closing</b>