



THE MOST IMPORTANT RESULTS OF THE PROJECT CBC FOR MaST EDUCATION



Călărași, Veliko Tarnovo, Silistra, Tutrakan
April 2019





Introduction

Our joint Romanian-Bulgarian project with the title *”Coordination of joint policies and equipment investments in the field of education in the cross-border area”*, with the acronym *CBC for MaST education*, funded under the INTERREG V A cross-border program, is the expression of a good collaboration between 4 education institutions: Călărași County School Inspectorate - as a leading beneficiary of partnership and 3 high schools from Bulgaria, “Emil Stanev” from Veliko Tarnovo, „Saint Kliment Ohridski” from Silistra and “Hristo Botev” from Tutrakan, as beneficiary partners.

Implementation of the project started on April 26, 2017, with the signing of the contract and finalized on 27 April 2019.

The main objective of the project is to develop the domain of MaST (mathematics, science and technology) in the educational systems of the two countries.

This goal was achieved through two specific objectives:

1. creating and equipping MICS in cross-border schools;
2. creating a common educational framework for the future development of the MaST domain.

The partner leader ensured the achievement of the specific objectives in the Romanian part of the cross-border area by enrolling 5 high schools, namely: 3 from Călărași, the Barbu Știrbei National College, the Mihail Eminescu Theoretical High School and the Economic College, 1 from Lehliu Gara - Alexandru Odobescu High School 1 from Oltenita - Neagoe Basarab Theoretical High School.





CROSS-BORDER NETWORK OF WORKSHOP MICS

= MaST Innovation and Creativity Studysshops

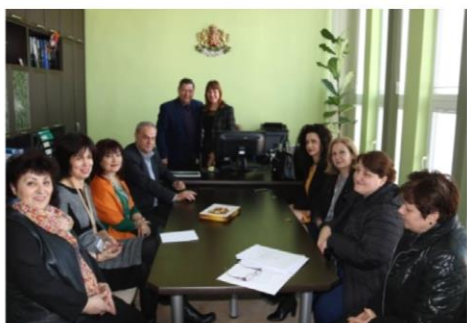
- establishment of the MICS network: 8 schools of which 3 in Bulgaria and 5 in Romania;
- 1 training course with coordinators of MICS workshops at Calarasi, September 8 - 10, 2017;
- 8 decisions to set up MICS in the eight schools.



CONFERENCES AND CROSS - BORDER MEETINGS

Working meeting, launch conference, press conference

- June 13-14, 2017 in Veliko Tarnovo;
- Working meeting, Silistra, November 10, 2017;
- Working meeting, Tutrakan, March 9, 2018;
- 2 working meetings in Calarasi: March 22, 2018, April 22, 2019.





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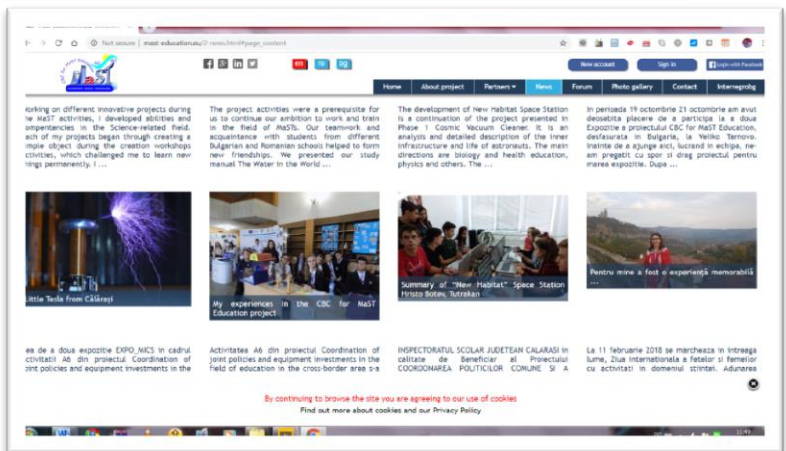
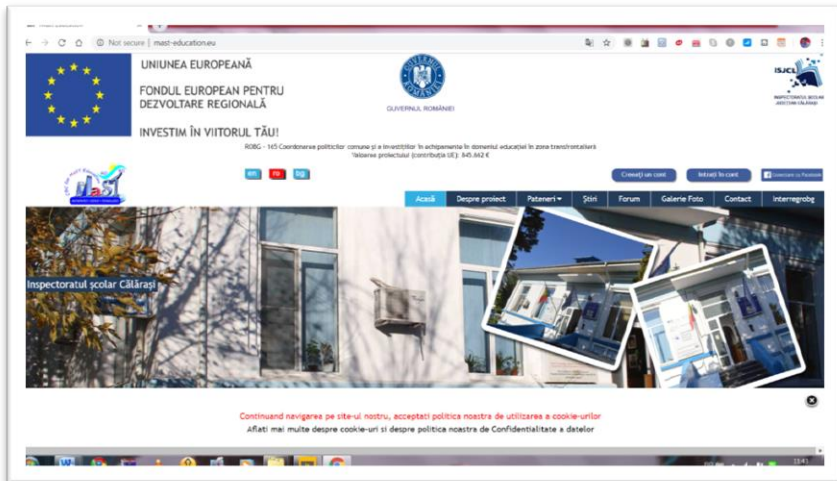


ПРЕМИЕ НА БЪЛГАРИЯ
GOVERNMENT OF BULGARIA



WEBSITE IN 3 LANGUAGES: Romanian, Bulgarian and English which has integrated

- 1 Newsletter and
- 1 Forum for discussions



8 INNOVATION AND CREATIVITY WORKSHOP for MICS with endowments of about 80,000 Euros each



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3 EXHIBITIONS WITH THE WORKSHOPS REALIZATIONS

EXPO MICS NO. 1, CĂLĂRAȘI, APRIL 22-24, 2018

Project title	School
Tradition, creativity and innovation	”Barbu Știrbei” National College Calarasi
We play, recycle, innovate and learn!	”Mihai Eminescu” High School Calarasi
Involve RobotKID in student training	Economic College Calarasi
The development of software applications and electronic systems for the development of MAST skills in students	”Neagoe Basarab” High School Oltenita
The green lab	”Alexandru Odobescu” High School, Lehliu Gară
Modern agriculture in support of healthy food	”Emiliyan Stanev” High School from Veliko Târnovo
Water from the surrounding world	The Lyceum of Mathematics and Natural Sciences "Saint Kliment Ohridski" from Silistra
Space Agency <i>Hristo Botev</i>	”Hristo Botev” High School from Tutrakan





EXPO MICS NO. 2, CĂLĂRAȘI, OCTOBER 19-21, 2018

Project title	School
Fractions of time	”Barbu Știrbei” National College Calarasi
Fire detection and home alarm system	”Mihai Eminescu” High School Calarasi
Demo-math	Economic College Calarasi
Bread from tradition to modernity	”Neagoe Basarab” High School Oltenita
Be green!	”Alexandru Odobescu” High School, Lehliu Gară
Teaching games (I)	”Emiliyan Stanev” High School from Veliko Târnovo
Learning through research	The Lyceum of Mathematics and Natural Sciences "Saint Kliment Ohridski" from Silistra
“New Habitat” - Space Agency <i>Hristo Botev</i> (II)	”Hristo Botev” High School from Tutrakan





EXPO MICS NR. 3, CĂLĂRAȘI, 22-24 MARTIE 2019

Project title	School
On the shoulders of Leonardo da Vinci	”Barbu Știrbei” National College Calarasi
Building a device that monitors operating conditions in a tropical greenhouse	”Mihai Eminescu” High School Calarasi
Discover the sound	Economic College Calarasi
Creativity and ingenuity in the MICS laboratory developed through mechatronics.	”Neogoe Basarab” High School Oltenita
The model of an automated greenhouse	”Alexandru Odobescu” High School, Lehliu Gară
Educational games (II)	”Emiliyan Stanev” High School from Veliko Târnovo
Science in action	The Lyceum of Mathematics and Natural Sciences "Saint Kliment Ohridski" from Silistra
Looking to the future	”Hristo Botev” High School from Tutrakan





INFORMATION AND PUBLICITY

- 3 brochures: 1. General information, 2.A The methodology of organizing MICS, 2.B Twenty romanian and bulgarian scientists and inventors, 3. The main project results
- 1 Guide to Good Practices and Lessons Learned
- Launching conference and press conference in Veliko Tarnovo
- Final Conference, Călărași, April 18/19 2019





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EDUCATIONAL STRATEGIES AND POLICIES

- Romanian-Bulgarian comparative study in the field of MaST
- A common educational strategy based on this project and the MICS activities
- Proposing curricula to education ministries in both countries to implement the MICS concept at national level

MICS (MaST Innovation and Creativity Studysshops) – an integrated, collaborative and inclusive learning environment

In today's society, man must be able to find solutions to extremely diverse and unpredictable issues using basic knowledge of MaST. In order for this to happen, the center of gravity of the educational action must move from *acquiring knowledge to put knowledge into action.*

