



Co-funded by
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Metaverse-based STEM Education for a Sustainable and Resilient Future (M-STEM)

project number: **2023-1-FR01-KA220-SCH-000151516**



OUR OBJECTIVE

M-STEM wants to develop and implement a novel education package that incorporates the use of Metaverse technology in STEM education. We'll train teachers on the use of Metaverse technology and its integration into STEM education and thereby improve student achievement in these subjects. As a result of their experience with Metaverse technology in education, we hope to increase the number of students pursuing STEM careers.



RESULTS

The project will result in:

- an M-STEM Pedagogical Strategy
- an M-STEM Curriculum and Training Contents
- an M-STEM VR Simulation (VR App)
- an M-STEM Policy Recommendation Report

LTTA

In May we had the first session of Learning Teaching Training Activity. Teachers from the participating countries came together in Vienna to discuss and improve the education package, learn about Metaverse and VR and try different ways to use it in STEM education.

It was a couple of very appreciated days and we hope all the teachers got a lot of new ideas, experiences and knowledge about how VR and Metaverse may enhance their STEM teaching.



PARTICIPATING ORGANISATIONS

Lycée polyvalent Clément Ader – France

The Lycée Clément Ader is located in the southeast of Paris. The school is labeled as a "Lycée des Métiers" and also holds the certification of E3D (Sustainable Development Approach). The school is a union that has two parts: The first one is general secondary and the second one is VET.



Avrasya Enstitüsü Araştırma ve Geliştirme Limited Şirketi – Turkey

The Eurasia Institute Research and Development Association is the private research arm of the Eurasia Innovative Society Association, a non-governmental organization established in 2021. Our association focuses on the "Digital, Green and SMART" development of society, particularly through supporting the Continuous Professional Development and Continuous Professional Activities of 5000 teachers, 20,000 young people, 100 youth associations, 700 youth workers, 30 vocational schools and 200 local schools from pre-primary to secondary level



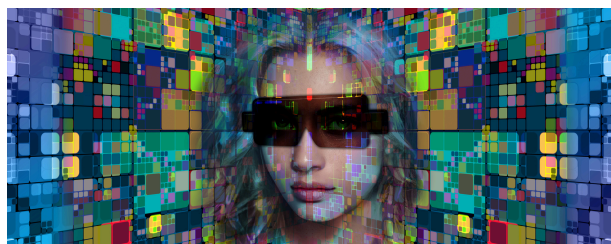
Colegio Séneca S.C.A – Spain

The Colegio Séneca school was founded in 1982 in Córdoba, Spain and currently has around 700 students and 50 teachers. The school offers education from nursery to secondary levels, including support and integration classrooms. The school values diversity in education and aims to educate students who are solidary, environmentally respectful, and have a high level of critical thinking, teamwork, and commitment to innovation.

Agrupamento de Escolas de Barcelos – Portugal

Agrupamento de Escolas de Barcelos is a large Union of Schools located in a wide area of the Barcelos district, on both sides of the Cávado River. The Union serves students from the urban areas of Barcelos, Póvoa de Varzim, and the outskirts of the Esposende district. Its influence is strongly felt in the communities of Barcelos, Arcozelo, Vila Fresquinha, Barqueiros, Cristelo, Faria, Fornelos, Gilmonde, Milhazes, Paradela, Vila Seca, and Vilar de Figos, but it also extends to all communities in Barcelos, particularly those located near the Cávado River. The Agrupamento de Escolas de Barcelos serves students from 3 to 18 years old, with a total of 2,400 students and 260 teachers. It includes a Kindergarten, primary school, and secondary school.

PARTICIPATING ORGANISATIONS



Malmö stad, digitalization unit – Sweden

Grundskoleförvaltningen digitalization unit in the city of Malmö is working with all compulsory schools from year 6–9 in the city. There are 77 schools with a total of 33,000 students and 4,600 employees. Digitalization unit has approximately 30 employees with pedagogical and technical expertise. The unit is working on developing ICT as a tool for higher goal fulfillment and increasing inclusion for Malmö's school students, increasing equality and social sustainability by developing the students' digital skills.



Inspectoratul Scolar Judetean Teleorman – Romania

The School Inspectorate in the County of Teleorman is responsible for coordinating all educational institutions in the county, including around 140 schools that have legal representation and another 200 that are connected to the 140 mentioned. Our institution oversees and advises these schools in terms of educational process, as well as their administrative organization and human resources. Currently, there are around 3300 teachers, 345 auxiliary/didactic staff, 680 administrative staff, and 38,000 students in the county of Teleorman.

VAEV Research and Development Agency GmbH – Austria

VAEV R&D GmbH aims to enhance and promote the skills of youth, students, teachers, and educational professionals by cooperating with local organizations, NGOs, and educational centers to develop comprehensive and updated curricula with the skills and competencies needed for the 21st century. Specifically, we empowers individuals to develop their hard and soft skills to improve personally and professionally, enhancing useful competencies to advance their education while promoting new innovative and technical methodologies as valuable techniques in the scope of youth education, youth work, STEM, scientific and critical thinking, VR and NFE.



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