



12th Newsletter – October 2023

GAMMA is the acronym of the project *GAME-based learning in Mathematics*, which is a three-year Erasmus+ project, finished on September 30, 2023.

The Final Conference in Athens, Greece

The conference took place on 9 and 10 June 2023, at Maraslio Didaskalio, Athens, Greece and it was organized by members of the GAMMA team of the National and Kapodistrian University of Athens (NKUA). It was hosted by members of the GAMMA team of the National and Kapodistrian University of Athens (NKUA). A total of 71 mathematics teachers and academic stakeholders participated in the event, including 52 participants from Greece and 19 participants from abroad (from Germany, Italy, the United Kingdom, Austria, Norway, Iceland, Israel and Hong).

An interesting and valuable programme included a welcome lecture by C. Kynigos, who gave a brief presentation of the Educational Technology Lab (ETL), NKUA, and also addressed the main theoretical perspectives and research ideas of the ETL related to the project. Subsequently, ETL members C. Kynigos and M. Karavakou gave a brief presentation of the GAMMA project and the GAMMA intellectual outputs. The event also included a workshop on the MaLT2 and ChoiCo authoring tools developed in the ETL lab and a workshop on GAMMA games and related teaching scenarios.

Finally, all participants were involved in a general reflection on digital games in mathematics education, their possibilities and limitations, and expressed



their own experience and thinking on this issue. It is important to mention that all participants expressed

their own experiences and reflections on this topic. They were all really satisfied by all activities and they would use the shared material and include them in their own classes.

The Final GAMMA Conference in Osijek, Croatia

The conference was held on August 31, 2023 at the Faculty of Applied Mathematics and Computer Science, University of Osijek, Croatia (MATHOS) and was the largest GAMMA dissemination activity in Croatia. Teachers from primary and secondary schools from different parts of Croatia, as well as professors and assistants from different faculties participated in the conference.



The project was first introduced by project leader M. Jukić Bokun (MATHOS team) and the senior advisor for mathematics J. Noskov from the Education and Teacher Training Agency, Croatia. Guest lecturer T. Jagušć from the Faculty of Electrical Engineering and Computer Science, University of Zagreb, Croatia, gave a presentation on Game-based Learning and Gamification, while MATHOS team members Lj. Jukić Matić and D. Marković gave a presentation entitled Implementation of GBL in Mathematics Teaching. K. Brleković, a member of the GAMMA team at Elektrotehnička i prometna škola Osijek (ELPROS), Croatia, presented the participants to the activities within the e-Twinning project GAMMA for all. Through the workshops led by GAMMA members of the MATHOS and ELPROS teams and the GAMMA team of Srednja škola Markantuna de Dominisa Rab, Croatia (SS Rab), participants had the opportunity to learn about the GAMMA teaching scenarios and play the GAMMA games. A poster section was also held during the meeting to present teachers' experiences with game-based learning (GBL) to the participants. Prior to the evaluation and closing of the conference, a panel discussion on GBL was held with several teachers sharing their





experiences with using GAMMA games and scenarios in the classroom. The evaluation of the meeting showed that the participants were extremely satisfied, found the content interesting and useful, enriched their knowledge about GBL, and will recommend the GAMMA intellectual outputs to their colleagues.

Final Transnational Project Meeting in Rab, Croatia

It was held on 14 and 15 September 2023 on the island of Rab, Croatia, in the premises of Srednja škola Markantuna de Dominisa Rab, Croatia (SS Rab). The meeting was organised by the members of the GAMMA team of SS Rab in collaboration with the MATHOS team. The meeting was attended by 22 participants from the 4 partner countries. After the welcome by the principal of the hosting school, D.

the excellent organisation of the breaks and for a boat trip that gave the participants the opportunity to socialise in an informal setting and get to know Rab and the surrounding area. Unfortunately, this was the last face-to-face meeting in the project, where all the participants had the opportunity to exchange experiences once again and to say goodbye until the next cooperation. The evaluation of the meeting showed that the participants were very satisfied with the organisation, the working environment during the meeting and the communication between the partners, but also that they enjoyed the project and were sad that the project is coming to an end.

It is officially over, but it will last...

Although the project officially ended on September 30, 2023, all expected results were developed and the



Paparić, at the beginning of the meeting the project coordinator M. Jukić Bokun gave a presentation about the Mobility Tool and the Erasmus+ project results platform. During two-day meeting the project coordinator also led a series of discussions and workshops to gather the information needed for the preparation of the final report.

The main purpose of the meeting was to discuss the results, intellectual outputs, final report and future cooperation, involving all participants. The teachers and students of the host school were responsible for

project results were published on the official website in all partner languages, project partners are currently working on the preparation of the final report.

Keep Our Project Progress on Track

All information, news, activities, and, project outputs, are freely available on the project website: <http://www.project-gamma.eu>.

Follow us also on Facebook: <https://www.facebook.com/people/GAME-based-learning-in-MAThematics-GAMMA/100063862788148/>

