



Project Number: 2018-1-PT01-KA203-047361

BragançaMat 2021 – XXIV Encontro Regional de Educadores e Professores de Matemática (Bragança Conference of Teachers of Mathematics)

**Bragança, Portugal (Online)
12 June 2021**

Minutes

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For a constructive, fulfilling life project, education represents the main tool that enables the development of individuals' life with excellence. Furthermore, it is considered a fundamental commitment to promote self-confidence and create the necessary conditions to full participation and citizenship in today's world. In order to engage and motivate the students, it is vital to innovate pedagogical methodologies at all levels of the teaching system and improve the quality of lessons that are usually taught in a conventional manner.

The national conference BragançaMat 2021 – XXIV Encontro Regional de Educadores e Professores de Matemática was attended by 150 basic, high-school and university teachers (133 from institutions outside the MathE consortium), most of which of the area of Mathematics, aimed at offering a forum of debate about the main concerns that are transversal to all agents of teaching.

Two major communications were delivered:

"Das recomendações para a melhoria das aprendizagens dos alunos em Matemática aos novos programas do ensino básico" (On recommendations for improving student learning in Mathematics to new basic education programs) *Leonor Santos, Instituto de Educação, Universidade de Lisboa*

and

"MathE - Uma nova forma de aprender Matemática" (MathE, a new way to learn Mathematics)

Ana Pereira, Florbela Fernandes, Maria F. Pacheco

A thorough and profitable debate about new pedagogic methodologies, problems and possible solutions followed both communications. All participants agreed on the need to implement new practices in order to engage and motivate the students. The main features of the MathE platform that aims to provide all agents of the higher education teaching system with an opportunity to reinvent some aspects of teaching and learning, offering them the possibility of building individual study pathways, tailored to the specific skills and features of each student, allowing each of them to manage their learning, were presented and subject to discussion. By the end of the debate, the participants reached the following conclusions, about the scope of MathE:



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Lecturers and researchers will:

- Improve their skills.
- Refresh their practice.
- Diversify teaching approaches.
- Adapt teaching approach to contemporary learning scenarios.

Students will:

- Be motivated to learn math (through alternative pathways).
- Be more aware and autonomous and the acquired knowledge will be more consistent.
- Improve skills, knowledge and attitude.

All involved agents will increase engagement, enthusiasm and sense of being challenged.

The existence of the section Community of Practice, providing a place where teachers and students have the opportunity to interact on an ongoing basis, was also highlighted and explored by the participants. E-learning has already operated a transformation in higher education and software platforms such as MathE are an opportunity to make learning more accessible, deepen student engagement and allow teachers to shift to a student-centered pedagogical model.



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