

The 4th Transnational Project Meeting

MatLan *Learning maths and languages through research and Cooperation*
2014-1-RO01-KA201-002699

M4 Transnational Project Meeting

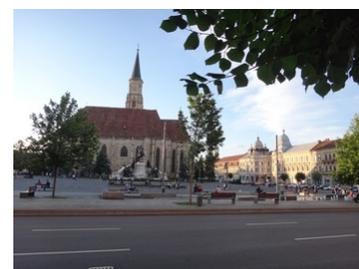
This MatLan project meeting took place at Colegiul National Emil Racovita from Cluj-Napoca, from the 15th to the 17th of June 2016. There were 3 hard-working days focused on the assessment of our Erasmus+ project; the project teams from both partner-schools checked the attainment level of the MatLan project's aims. The assessment tools, elaborated in the first year of our project and tested during this school year, supported us in documenting the fact that the math research workshops contributed to the development of the students' competences. We will continue improve the collaboration among students, especially the collaboration among groups of students who research the same research topic from both high-schools. The public's report card for assessing students' *interactive communication* subskills and *scientific oral communication* subskill will be simplified and will become more user friendly. The procedure of using the *student's reporting sheet on making use of aids and tools* will be improved.

The success of the MatLan project was welcome by the representatives of the project team from both partner-schools and they will continue the MatLan adventure with dynamism. A representative of MATH.en.JEANS attended our project meeting and observed our work; he informed us that the association intends to facilitate the sharing of the MatLan project good practice, in 2017, in other schools.



Volume 2, Issue 6
Date 30/06/2016

MatLan project website
<http://matlanproject.weebly.com/>



Our next year work

The Erasmus+ project will end up in August 31st, BUT the MatLan workshops will continue. In both high-schools, the math research workshop will be integrated into the students' and teachers' schedules. Some ideas for increasing the quality of the exchanges between the Romanian and French students will be implemented and should this should increase the opportunities for FR/ EN language practice – the eTwinning platform will support us in our approach. We plan to participate to the MATH.en.JEANS Congress in Marseille in March/April 2017 and to organize a MATH.en.JEANS Congress in Cluj-Napoca (April 2017). We will organize meetings in Briançon and in Cluj-Napoca and we will continue to organize video-conferences.



Erasmus+

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission and the National Agency cannot be held responsible for any use which may be made of the information contained therein.

End of the School-Year Events

In the previous issue of our newsletter we shared with you some info related to the students' exchange in Briançon and the MATH.en.JEANS Congress in Lyon. Since then, the MatLan students participated in different activities.

Four students from Briançon participated in the MATH.en.JEANS Congress in Milan. The group of FR students who researched the *Localization* topic came back from the qualifications of the « Faites de la science » contest organized by the Marseille University with a nice second place and the originality award. MatLan project has been awarded by the Public at Journée Académique Pédagogique 2016. The MatLan students from Colegiul National Emil Racovita students participated for the 1st time in the Science Festival in Cluj-Napoca (21st of May 2016). Four of the research projects have been awarded: 1st prize (countries cooperation category) - *Smile, you are on CCTV*, 2nd prize (countries cooperation category) - *Localisation*, 3rd prize (ICT for science learning) - *Room surveillance* and the 4th prize (countries cooperation category) - *Cristal growth*.

During André Parent contest in Paris, Lucie, Clara and Elise presented the *Cristal growth* topic in front of a jury, for fifteen minutes. They had prepared laminated posters, straw and wood braces to make their presentation more dynamic and easier to understand by the public, particularly by children. Finally, a group of MatLan students from Briançon participated in the PASS Forum in Aix-en-Provence and in the Sciences Souk in Gap.



MATH.en.JEANS congres in Milan



PASS forum in Aix-en-Provence



Sciences souk in Gap



Academic educational day in Gardanne



Faites de la science contest in Marseille



André Parent contest in Paris



The science celebration in Cluj-Napoca

Research Articles

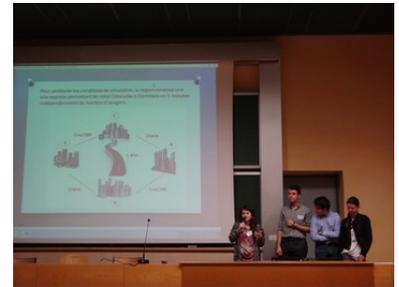
The last year research articles have been validated by the MATH.en.JEANS editorial board and can be accessed online by clicking on the related photos below.



Modelling plant growth



Mancala



The paradox of Braess



The fern

There should be an article by research topic, which has to be validated by a teacher and researcher before being submitted to a scientific committee.



The bicycle wheel

