

## 3<sup>rd</sup> transnational project meeting

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

### ***Important dates for the math-research (MeJ) workshops***

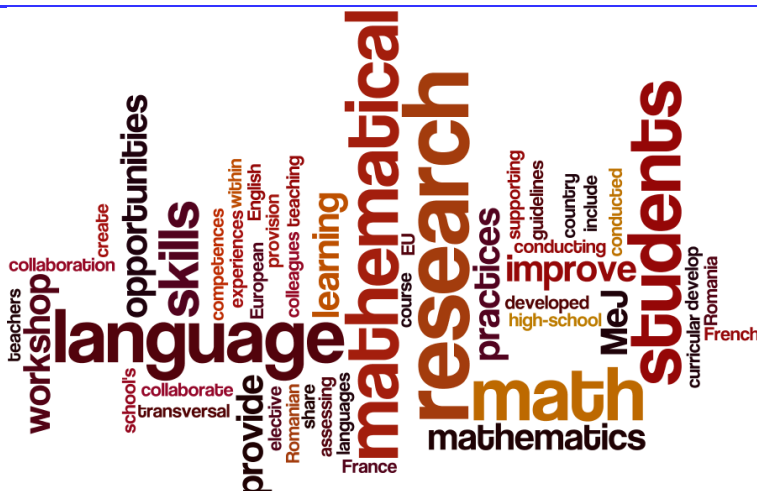
September - October 2015 – launching the math research workshops 2015-2016  
20 November 2015 – each group of students will provide a text describing how they intend to approach the research topic  
23 – 27 November 2015 – 1<sup>st</sup> video-conference (the day will be decided later)  
14 – 18 December 2015 – 2<sup>nd</sup> video-conference (the day will be decided later)  
11 – 15 January 2016 – 3<sup>rd</sup> video-conference (the day will be decided later)  
1 February 2016 – each group (RO + FR) of students prepares the plan of the research article (one plan/ research topic)  
22 – 26 February 2016 – 4<sup>th</sup> video-conference (the day will be decided later)  
17 March 2016 – Math Youth Forum (RO)  
31 March – 2 April 2016 - MeJ Congress (Lyon) – activity included in the students' exchange activity C2 (27 March – 3 April 2016)  
15 May 2016 – final version of the research article (FR & RO students, one article/ topic)



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

***The subjects proposed for this year***



- 1) Localisation
- 2) Room surveillance
- 3) Growth model by joining blocks together.
- 4) Cristal growth
- 5) The bicycle wheel
- 6) Control of the lift
- 7) Poincaré's disk
- 8) Juggling
- 9) Smile, you are on CCTV
- 10) Decimal Clock
- 11) Seeking convex polygons



**Erasmus+**

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## *Transnational project meeting M3*

This third transnational meeting, organised at the « Lycée d'Altitude » received a delegation from the « Colegiul National Emil Racovita » (3students and 2 teachers). The first day was used to evaluate the different activities of the first year of the project, that is to say: the first two transnational meetings, the students exchange in Cluj-Napoca, the communication between the students of the two schools, the MatLan project management, dissemination activities, elaboration of the assessment tools etc. At the end of the day, there was a presentation of this year's research topics. The second day was aimed at setting up a calendar of the future actions to come, and the division of tasks. It was also used for improving the project implementation; for example an internal communication platform was set up for improving French and Romanian students' communication on the research topics (<http://mathenjeans.livehost.fr/>). This will allow a more fluid exchange of documents and ideas between students working on the same topics.

During this second year, evaluation tools will be tested on the students to determine if their participation in the Project permits them to develop certain competences. The third day, was much more cultural, with a visit of the school and of Briancon's Old town for the Romanian delegation.



# Communication

## Internal communication

We decided to create a platform, easy to be used, unbanned in both partner schools, so that we could simplify and improve the FR-RO students' communication and collaboration on the research topics.

Each student who takes part in the math research workshop will have access to our platform, on the section allocated to the research topic he/ she works on (<http://mathenjeans.livehost.fr/>). Students will be able to share documents about their topic: resources, their work, glossary, and therefore will be able to communicate easily. User name and password will be provided by the MeJ workshops facilitators/ math teachers.

The video conference system will be continued throughout the year so that the students can keep each other up to date on their work. On the first page of the newsletter, you can find information about the dates of the video-conferences.

## External communication / Dissemination

We will publish articles about our experience in the MatLan project in our schools' magazines. We will update the MatLan flyer and the project website.

Romanian students will present their research results in the Students Conference organized in November 2015, while the French students will participate in different contests with their research results (e.g. Fête de la science, Forum des maths à Aix).

We will also give presentations about the project in our school; French students will give the project presentations in English.

The first presentations of this school year research results will be done in our schools in March 2016.

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### MATLAN, LEARNING MATHS AND LANGUAGES THROUGH RESEARCH AND COOPERATION

Share this project

**BASIC INFORMATION**   RESEARCH INFORMATION   TEACHER INFORMATION

**MatLan** Speaking in different languages, understanding with mathematics.

The MatLan project (2014-1-RO01-KA201-002699) builds on the experience gained by the French partner in the MATH.en.JEANS (MeJ) workshops, which at this moment are being implemented in 150 schools in France, aiming to valorize students' creativity and innovation by inviting them to discover and research mathematics. Mathematics in the classroom is too abstract for students to feel attracted to it, but in the workshops they get to mathematically investigate issues that no-one has an answer to yet. MatLan adds onto the MeJ experience a series of new dimensions:

- the assessment dimension: guidelines will be created for assessing students' skills (soft skills and mathematical competences) developed through mathematical research within the MeJ

**In your country**

- Observatory
- Scientix Moodle
- Science it's a girl thing!
- Scientix blog

If you know of European or national project on STEM education, please let us know.

**SUBMIT PROJECT**

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