

Visual Mathematics in International Cooperation

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Veszprém 27.06.2014



VISUALITY &
MATHEMATICS

EXPERIENTIAL EDUCATION
OF MATHEMATICS THROUGH
VISUAL ARTS, SCIENCES
AND PLAYFUL ACTIVITIES

The project

530394-TEMPUS-1-2012-1-HU-TEMPUS-
JPHES

**Visuality & Mathematics: Experiential
Education of Mathematics through Visual
Arts, Sciences and Playful Activities
(2012-2014)**



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Consortium Partners

- University of Jyväskylä, Finland
- Sint-Lucas School of Architecture, Brussels, Belgium
- University of Applied Arts Vienna, Austria
- Eszterházy Károly College, Eger, Hungary
- ICT College of Vocational Studies, Belgrade, Serbia
- University of Novi Sad, Serbia
- Belgrad Metropolitan University, Serbia
- Mathematical Institute of Serbian Academy of Sciences and Arts, Serbia



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Aims of the project

- Attitude research on Mathematics Education in Serbia and evaluation;
- Development of teaching methods in Mathematics Higher Education in Serbia with the aid of 4 EU partners;
- Courses for Serbian future and in-service teachers of mathematics;
- Development of Maths Didactics materials and webpages for Serbian teachers of Mathematics;
- Purchasing of ICT tools (software and hardware) for Serbian partners.



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Activities

- Questionnaire research I. in Serbian schools on attitude towards Mathematics (Spring, 2013)
- 1 month long courses for Serbian students at the EU partners (Sort Study Period I., spring 2013) <F:\Short Study Period programm.docx>
- Summer School for Visuality and Mathematics, Eger (July 2013) <F:\Summer School Prog Short.docx>
- Evaluation of Attitude research I.



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Activities

- 1 month long courses for Serbian students at the EU partners (Sort Study Period II., spring 2014) [F:\Short Study Period programm HU 2014.docx](#)
- Questionnaire research II. in Serbian schools on attitude towards Mathematics (Spring, 2014)
- Summer School for Visuality and Mathematics, Belgrade (July, 2014)
- Evaluation of Attitude research II.
- Closing Conference in Belgrade (September, 2014) - dissemination



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Developments

- Development of course materials to „Visuality in Mathematics Education”
<F:\Tantárgyleírás Vismath.docx>
- Lectures and workshops at the Spring courses and the Summer Schools.
- Exercise-book for Serbian school mathematics – useable, copyable materials for teachers.
- Construction of webpage for future didactical aid for teachers in Serbia.



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Observations, results

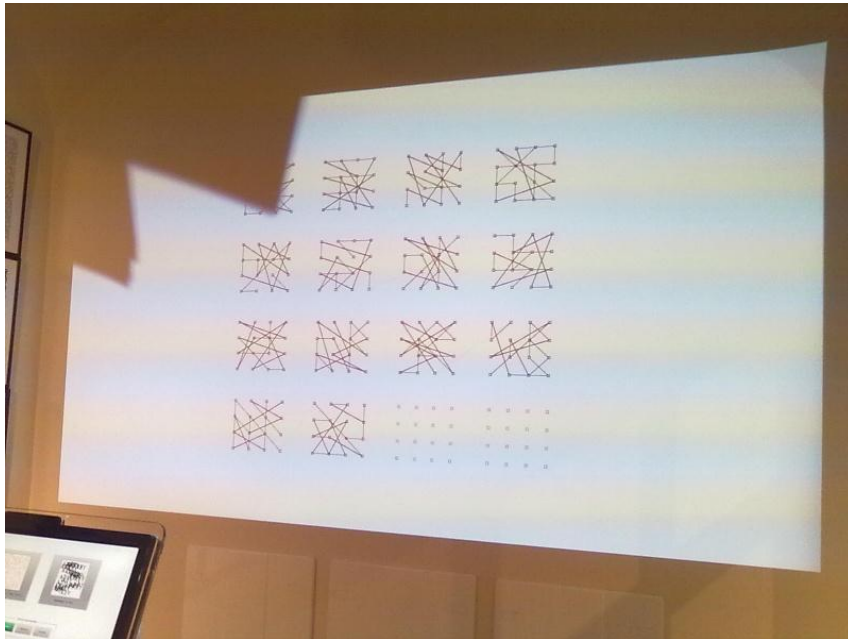
- Cultural differences and connecting bridges.
- Everyone has got good practices - we can improve learning from each other.
- Experience in international coordination , building partnership.
- English course in Mathematics for our own students - built in the regular course system (also online open course).
- New chances for research in Visualization and Mathematics.
- Interdisciplinary approach of Mathematics.



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Further information:

<http://vismath.ektf.hu/>

Thank you for your attention!

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