



Mathematics Education - Relevant, Interesting and Applicable

In the training activity there were high school teachers, university professors as well as policy makers from educational institutes working together. Project team discussed different ways in which educational systems in partnering countries can be compared and examples of good practice exchanges. Group work and engaging activities were in the focus of all workshops.





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First MERIA training week was dedicated to exploration and understanding of two theories in mathematics education supporting inquiry-based approach. First of them is Theory of Didactical Situations (TDS). The principles and exemplary situations in TDS were explained by Carl Winslow. Carl's lecture was followed by a series of workshops realized in the subsequent days by Britta Jensen from University of Copenhagen.





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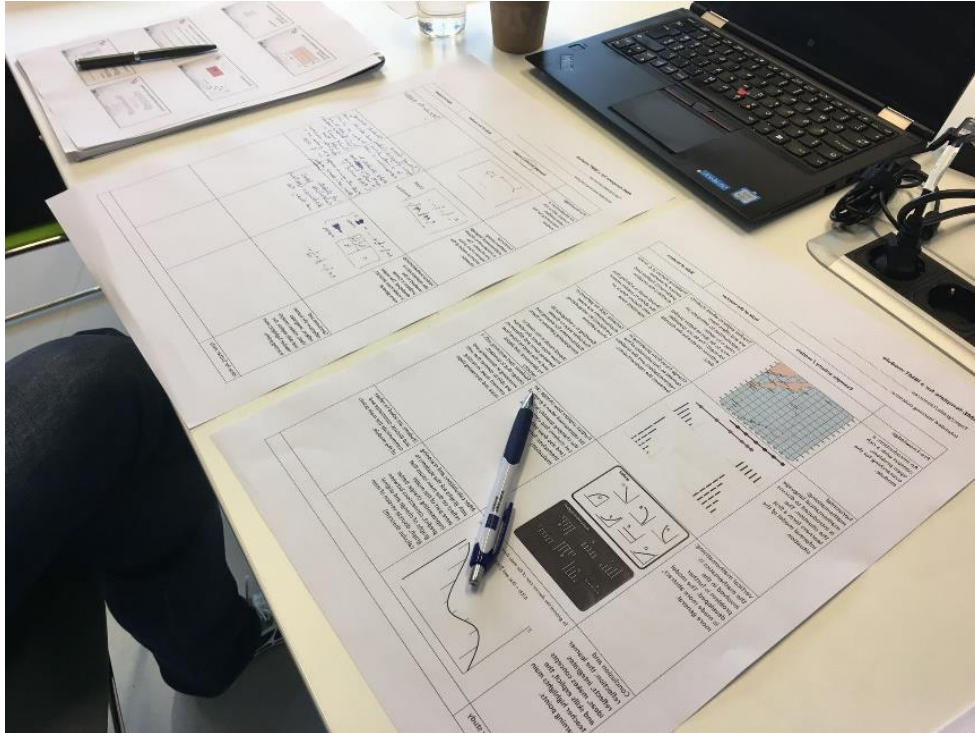
Lectures on Realistic Mathematics Education (RME) were presented by experts from University of Utrecht, Paul Drijvers and Michiel Doorman. After being presented with the theory, Rogier Bos led a series of workshops using RME templates. Workshops on RME situations and templates continued through sessions in three days.





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We have experimented with a new RME template that guides the teacher through four phases (introduction, horizontal mathematization, vertical mathematization and conclusions).



Slovene team working on the template.



An interesting way to divide into pairs, introduction to lecture of Mojca Suban on inquiry based teaching and Slovene curriculum.





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How can you form a square?





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Introducing new approaches in the classroom means we need to adjust assessment as well. Blaženka Divjak presented ideas that support peer assessment and assessment of complex problems. Matija Bašić and Željka Milin-Šipuš led a discussion on how to compare mathematics education in different countries based on investigation of national documents.



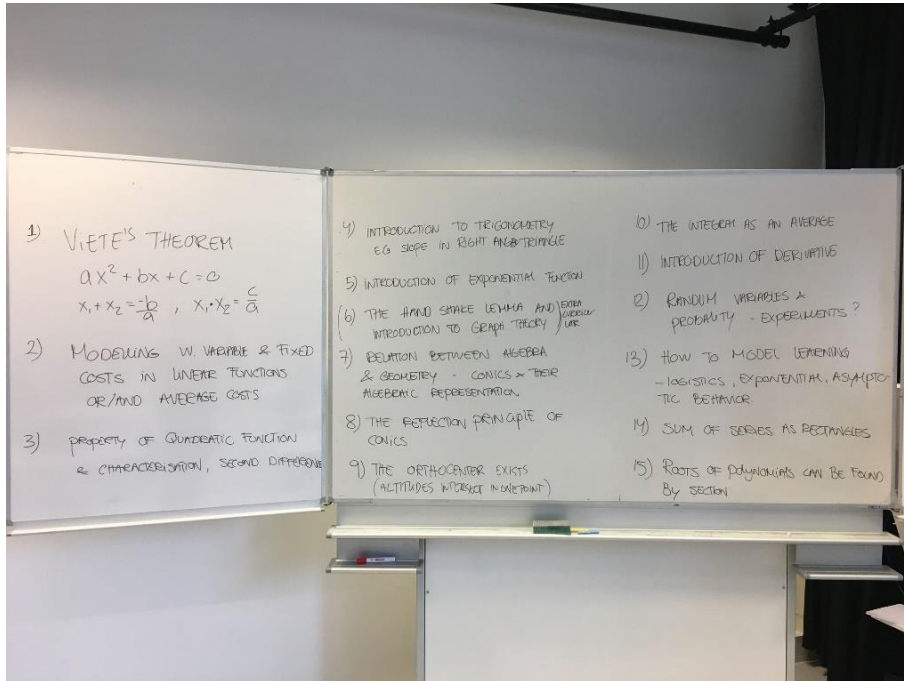
Ideas for new scenarios and modules come from different contexts. Eva Špalj and Vesna Županović presented ideas developed in Croatia.



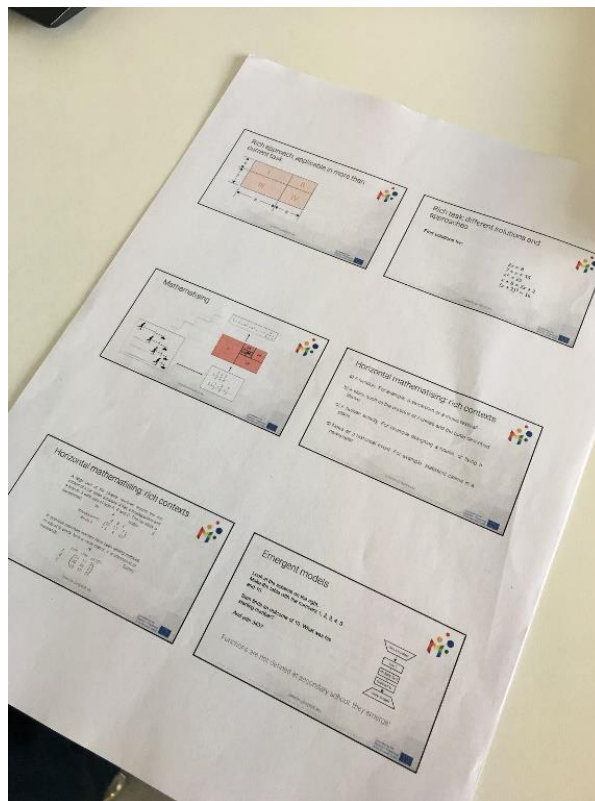


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How to choose target knowledge? Which topics are suitable for inquiry based lessons?



Ideas from RME explained with different examples.





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Project team was introduced to the Teaching and Learning Lab of Freudenthal's Institute. On the picture a transparent smart board is presented.



Team work – taming the Dutch water. Visit to Amelisweerd.





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Free time in Utrecht.

