

Goerudio – effective ways of studying science subjects

20.11.2015, Dubrovnik

National CARNet Conference



36,6 CC
Competence
Centre

based in Lodz, Poland



Goerudio



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36,6 Competence Centre

Goerudio - Managing Learning process in science education

KA4 LLP (543223-LLP-1-2013-1-LV-KA4-KA4MP)

Duration: 24 months (January 2015– December 2015)

Project website: www.goerudio.pixel-online.org

8 Partners from 7 countries:

- Riga State technical school (Latvia)
- Pixel (Italy)
- 36,6 Competence Centre (Poland)
- Connectis (Italy)
- Fundația EuroEd (Romania)
- Transfer Slovensko, s.r.o. (Slovak Republic)
- Association Alqueria (Spain)
- ZinevArt Technologies (Bulgaria)



EUROED



CONNECTIS
WEB APPLICATIONS TECHNOLOGY



Aim

The aim of the project is to create a learning community of European science teachers and students willing to identify:

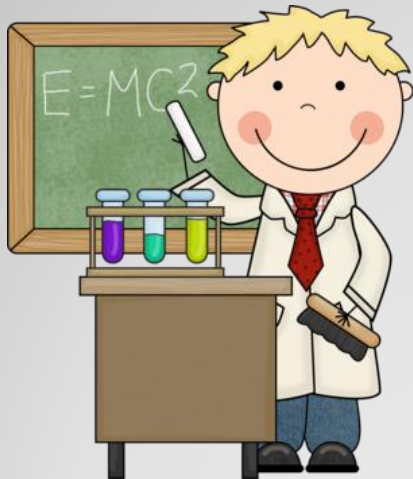
- Solutions to overcome the main obstacles when studying scientific subjects
- Innovative teaching methods for science



Target groups

The project is addressed to:

- Science teachers
- Science students
- Policy makers in the education sector



Main Activities

- Creation of a network of European science teachers and students
- Sharing information concerning the main obstacles when teaching and studying scientific subjects
- Identification and review of existing projects and initiatives in the field of teaching scientific issues in a more interactive and involving way.
- Production of teaching resources for scientific subjects
- Organisation of national workshops for sharing the produced resources

Goerudio network

46 schools from 7 countries are involved in the Goerudio project activities. In each school there are minimum 2 teachers involved, what in total gives more than **90 science teachers**.

Assuming that each teacher has 20 students, there are **1800 students** involved in the project.

Goerudio Portal

www.goerudio.pixel-online.org

 This project has been funded with support from the European Commission.
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Also available in: [BG](#) [ES](#) [IT](#) [LV](#) [PL](#) [RO](#) [SK](#) [EN](#) 

Strona główna	<h2>Strona główna</h2> <p>Europejskie systemy edukacyjne stoją przed dwoma poważnymi wyzwaniami:</p> <ul style="list-style-type: none">• uczniowie szkół średnich i zawodowych nie mają motywacji do nauki przedmiotów ścisłych• nauczyciele są zobowiązani do poszukiwania innowacyjnych metod nauczania, aby zainteresować uczniów nauką przedmiotów ścisłych <p>Mając to na uwadze Komisja Europejska przyznała dofinansowanie projektowi "Goerudio" w ramach Programu Uczenie się przez całe życie (KA4 Upowszechnianie i wykorzystanie rezultatów projektów oraz wymiana dobrych praktyk).</p> <p>Portal Goerudio zapewnia dostęp do:</p> <ul style="list-style-type: none">• Doświadczeń nauczycieli przedmiotów ścisłych• Doświadczeń uczniów z nauki przedmiotów ścisłych• Opinii o istniejących inicjatywach w dziedzinie nauczania przedmiotów ścisłych• Krajowych warsztatów	<h3>RESERVED AREA</h3> <p>Welcome Anna Ziemecka-Potera 36,6 Competence Centre</p> <p>Welcome page Logout</p> <h4>SCHOOLS</h4> <p>Manage Schools Insert new Schools</p> <h4>ASSOCIATED PARTNERS</h4> <p>Manage Partners Insert new Partner</p> <h4>TEACHERS EXPERIENCES</h4> <p>Manage T. Experiences Insert new T. Experience</p>
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Experience of science teachers and students

- science teachers' experience in adopting teaching methods to promote students' interest towards scientific issues
- science students' experience describing their difficulties and successes in learning science

Portal contains the repository of:

375 teachers' experience

841 students' experience (available in all languages of the project)

Relevant initiatives promoting science

Identification of **219 projects** from all over Europe

The screenshot shows a web browser window with the URL `online.org/rel-initiatives.php`. The page features a header with the Goerudio logo and a navigation menu on the left. The main content area is titled "Relevant initiatives" and includes a search form with filters for deliverables, thematic areas, target groups, and descriptions. Below the search form, a table lists 218 documents found, with the first two entries visible.

Goerudio

Also available in: BG ES IT LV PL RO SK EN

Relevant initiatives

Homepage > Relevant initiatives

This is a collection of previous and current projects and initiatives focusing on the promotion of innovative practices for teaching scientific subjects.

Search by

Type of deliverables	All
Thematic area	All
Lang. of the deliverable	All
Target Group	All
Lang. of the description	All
Free text	

Clear All Find it

Found 218 documents

Title of Initiatives	Name of Organiser
"Modern not only in the natural sciences" Project	ZŠ Letohrad, Komenského 269
3E's e-counting, e-culture, e-communications	Dun Guzepp Zerafa primary School
A measurement instruments and protection of relev	RSTS

username
password
LOGIN

Last Educational Products Comments

Jakub Janošík - Slovakia

It is great to learn using some concrete experiments. We enjoy it more, it is also easier to remember, because we have come to final knowledge by ours.....

New comment on the Initiatives "Statistics"

News

Third Partners' Meeting in Valencia

26 January 2015

The third partners meeting

Educational Products

More than **120 educational products** (database is updated constantly) developed by teachers and students:

- Lesson plans
- Interactive science lessons
- Educational models
- Videos
- Methodologies

Goerudio community - Facebook

facebook.com/goerudioscience

Goerudio

Goerudio Edukacja

Polubienia: 381 0 w tym tygodniu
Anna Rejniak-Skrzyńska i Magdalena Gataj

Zasięg 226 postów w tym tygodniu

Zaproś znajomych do polubienia tej strony

Osiągnij kolejny poziom
500 Polubienia
Promuj stronę

INFORMACJE

Dodaj adres
Miejscowość, województwo, kod pocztowy

Dodaj numer telefonu

Goerudio

Opublikowane przez Grzegorz Grodex [?] · 18 godz. ·

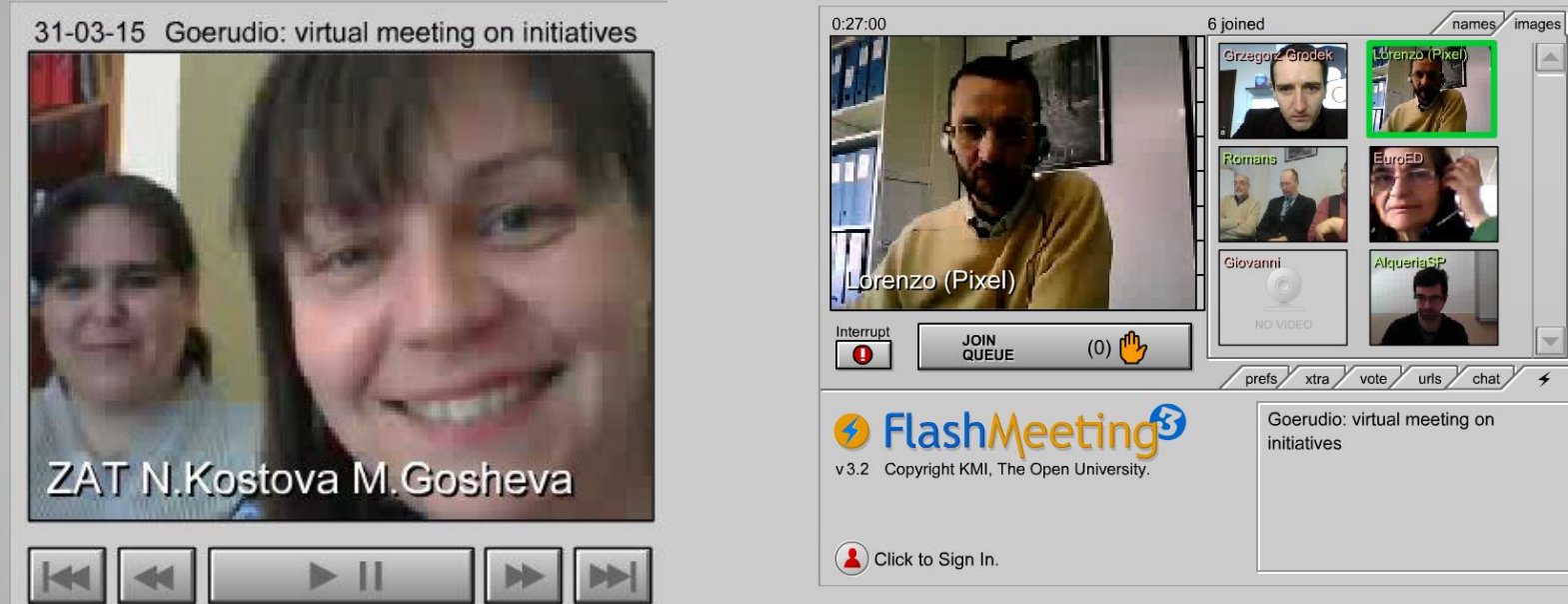
Tomorrow 36,6 CC will present Goerudio at Scientix National Conference in Warsaw
<http://scientix.pl/o-konferencji/>

European School

Community – Virtual Meetings

Virtual Meeting – video conferences to allow the teachers involved in the project to exchange their opinions on the project activities

31-03-15 Goerudio: virtual meeting on initiatives



ZAT N.Kostova M.Gosheva

0:27:00 6 joined names images

Grzegorz Grodek Lorenzo (Pixel)

Romans EuroED

Giovanni AkqueriaSP

NO VIDEO

Interrupt JOIN QUEUE (0)

FlashMeeting³
v3.2 Copyright KMI, The Open University.

Click to Sign In.

Goerudio: virtual meeting on initiatives

Community – national seminars

Seminars promoting the educational projects developed by teachers and students involved



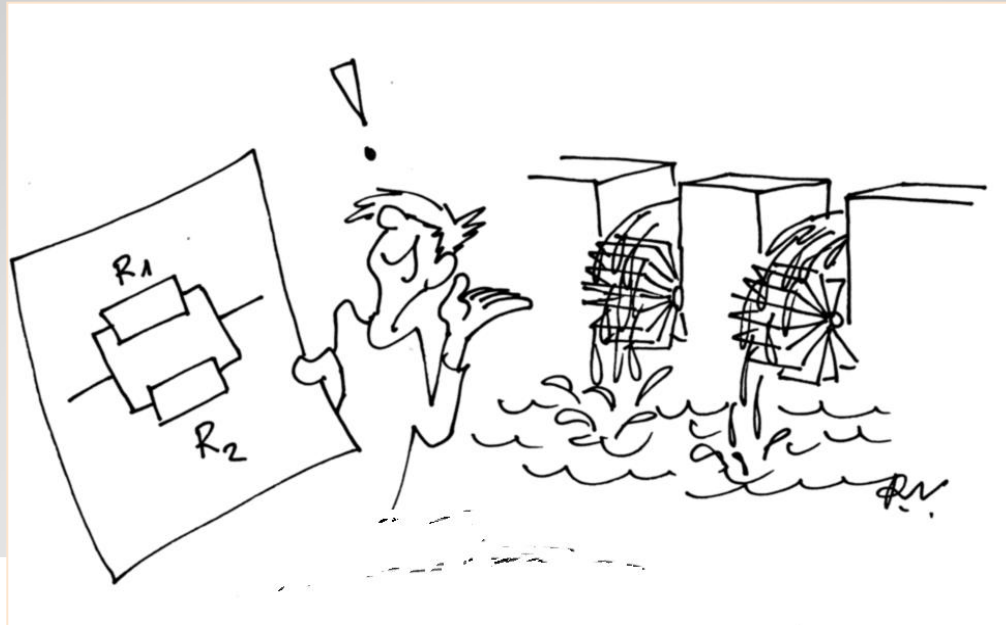
Goerudio Approach



Goerudio Method

Goerudio method was developed by Riga State Technical School, Latvia.

It is based on creation of so-called **comprehension models**.



Model

Here a word "**model**" denotes the interpretation of concepts or relations used in a theory, rule, instruction or another notion by expressing them by/through well-known, familiar phenomena and natural, conventional relation that creates a conception that is easy to perceive intuitively – **image**.



Approach based on observation

A person does many **observations** during his life and there are many fields where each individual has some comprehension (notions, causations and processes which seem natural to him and he feels comfortable among them).



Goerudio Model

The model is an associative image which shows the comparison of some notion, process or phenomenon of science or mathematics with some every day or natural object, process or phenomenon.




Goerudio

543223-LLP-1-2013-1-LV-KA4- KA4MP

Name, surname Class ... Subject

English Version

The model is an associative image which shows the comparison of some notion, process or phenomenon of science or mathematics with some every day or natural object, process or phenomenon.

Notion , process or phenomenon	Electromagnetic waves
Definition or explanation	Electromagnetic waves are waves that result from electrical quantities (charge, voltage and amperage) fluctuations.
Model	
Description of the model	Throw a stone in the water. This will cause waves in the water, which will be directed around the place where the stone fell.



Thank you!

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