

SCIENTIX - ОБЩНОСТ ЗА НАУЧНО ОБРАЗОВАНИЕ В ЕВРОПА

Свежина Димитрова НАОП"Николай Коперник - Варна

The work presented in this document is supported by the European Commission's FP7 programme – project Scientix 2 (Grant agreement N. 337250). The content of this document is the sole responsibility of the consortium members and it does not represent the opinion of the European Commission and the Commission is not responsible for any use that might be made of information contained herein.





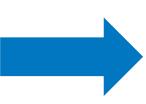


Европейска Училищна Мрежа(EUN)



Насърчаване на използването на ИКТ и цифрови технологии в класната стая?

Мрежа от 30 министерства на образованието в Европа



Насърчаване на европейските измерения в училищата

Подобряване на качеството на образование в Европа

Три области на интерес:

- 🔪 обслужване на училища,
- научни изследвания и иновации,
- споделяне на ресурси за обучение



EUN STEM Проекти



















TRAINING INITIATIVE



Science Fairs Evaluation

Xperima nia

	EUR	į	Ę	, E	Status	
2011-2013	EC Ind. EC / Ind.	Dissemination	Teacher trai	Piloting / Eve	rumin®	ingh d
22	12 9 1	10	18	13	12	10
STEM in general						
DESIRE	EC	х			runnir	_
Pathway	EC		x	х	runnir	_
Scientix 2	EC	х	x		runnir	_
Spice	EC		X	Х	finishe	
ECB - inGenious	EC / Ind.	х	х	х	runnir	
STEM white paper 1	Ind.	Х			finishe	
Intel Fairs	Ind.			х	runnir	ıg
Thematic						
Remote access labs / eInfrastructures						
UniSchooLabS	EC		x	х	finishe	
Go-Lab	EC		x	х	runnir	ıg
Global excursion	EC		х	х	runnir	ıg
Nanotechnologies						
NanoYou	EC	x	x	х	finishe	ed
Nanochannels	EC	х	x	х	finishe	ed
nanOpinion	EC	x	x	x	runnir	ıg
Health Sciences						
Xplore Health	EC		x	x	finishe	ed
Xplore Health 2.0	Ind.		x	х	finishe	ed
Amgen science teacher training initiative	Ind.		x		runnir	ıg
Energy						
U4Energy	EC	х	x		finishe	ed
Futurenergia	Ind.	х	x		runnir	ıg
Technology						
Impact of data loggers on science teaching	Ind.			х	finishe	ad
Chemistry / Physics						
The Global Water Experiment	Ind.		x		finishe	ed
Chemistry is all around you	Ind.	х	x		runnir	ıg

running

EUN STEM Проекти







































Европейски проекти по математика и природни науки































































































http://scientix.eu













Scientix 1: 2010 - 2012























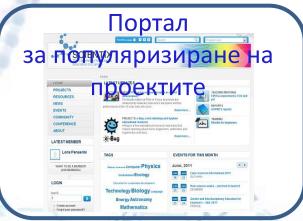
Практически







Scientix 2: 2013 - 2015







HCI + Hc 0 = Ct - , Hc 0 + L') ?

Сътрудничество между проектите Ртојестез Europeus de ciències







Национални точки за контакт и учителски панел













HOME

PROJECTS

RESOURCE

Sign In

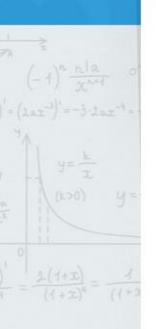
-

COMMUNITY

CONFERENCE

SCIENTIX LIVE

ABOUT





FEATURED RESOURCE

SEARCH RESOURCES



Design Your Alien

In your country

Observatory

Scientix Moodle

Science it's a girl thing!

Subscribe to our email updates to get all the latest news!

SIGN UP

FOLLOW US



GM's Frankie James: A Women in Tech, From NASA to General Motors' Advanced Tech Lab on recode net/1eX9Efn #STEM

34m



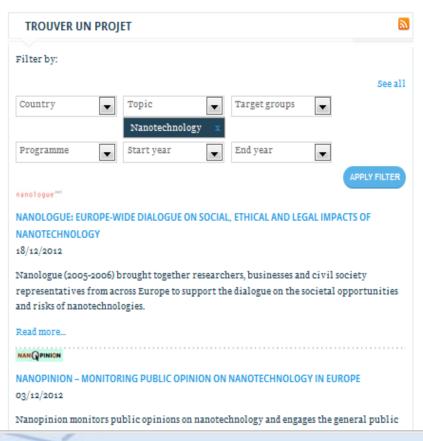






Home > Projects

PROJECTS LIBRARY



In your country

Observatory

Scientix Moodle

Science it's a girl thing!

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

SUBMIT PROJECT

Read more on what Scientix offers to science education projects

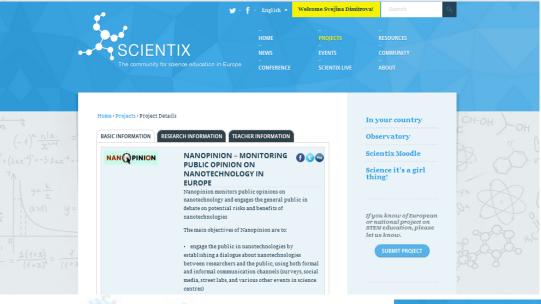
- · Online meeting room
- · Networking events

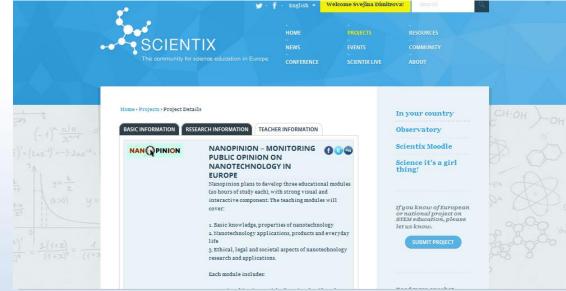




















Scientix 2 | Speaker's name Date | City Name of event

HCI + H2 0 = Ct + H20 - 1 To H2 To H

















Nanotechnologies: Where should they take us? Have your say







Previous newsletters Blog

Newsletter

Insert your email to subscribe





What do people really think about nanotechnologies?

How do we imagine our future with nanotechnologies?

nanoforum. Join the debate



OUESTIONNAIRE

Участвайте в европейски изследователски

Read edge.sharethis.com

твеното мнение

5342 Participants

Вашето мнение

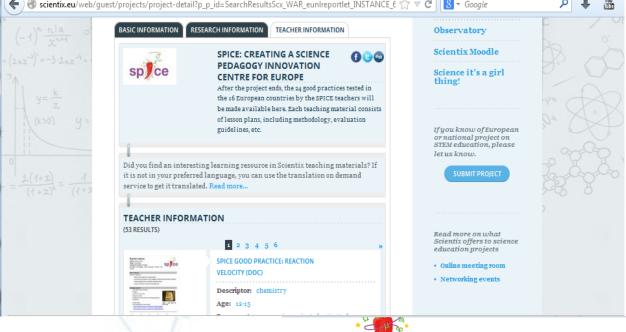
















Home Ab

About Who is Who

Publications

Moodle

SPICE Summer Academy

Communities

Communices

English | português

About Spice

Good Practices (GPs)

The GPs chosen for this phase of the SPICE project are shown here organized by subject area, as defined by the author of the GP. The names of the authors of the GPs are also provided, but it is important to note that the term "author" is used in a broad sense, as in some cases the teachers were not really the authors of the GP but adapted known practices from their countries for the SPICE project.

GP	Subject	Author	Country
Biology			
Comparing Leaves	Biology	Annunziata Michetti	BE (FR)











TEACHER INFORMATION

In the first project year, the Go-Lab Project offered

Visionary Workshops for teachers, providing information about the project and access to online laboratories (including hands-on sessions) and pedagogic scenarios to be used in teachers' practice. The workshops also aimed at collecting feedback from the teacher community on how to best integrate their requirements in the Go-Lab infrastructure.

In its second and third year, the project will continue to

In your country Observatory Scientix Moodle Science it's a girl thing!

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





Project

ns up remote science

Call for Schools

Newsletter

News Blog

Join Go-Lab in Bulgaria

About the project



Lab Type: Virtual Experiment

Weblink: Link

Language(s): German

Grade Level(s): Secondary Education (15-18 years old), Higher Education

Bachelor, Higher Education Master

Booking Required: No

This lab provides a set of simulations carried out in a server running Matlab with pre-defined mathematical models. Users can change input parameters, but not the simulation model. Outputs of these simulations are typically arrays with measurement data and images.

Sun4all



Subject(s): Physics, Mathematics, Astronomy

Lab Type: Data Set & Resource

Weblink: Link

Language(s): English, Portuguese

Grade Level(s): Primary Education (10-12 years old), Secondary

Eurobean Schoolnet chemistry (7)

Earth Sciences (7)

Environmental Science (7)

Particle Physics (2)

Cosmology (1)

Electrical Engineering (1)

Electronics (1)

Hardware Programming (1)

Materials Science (1)

Show more

Filter by language(s):

English (29) French (12)

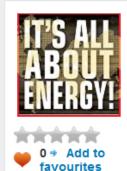
German (12)











Report

INGENIOUS: IT'S ALL ABOUT ENERGY

Descriptor: physics, climate, materials, chemistry, sa management, environmental education, gas, oil, electr sciences, electricity, fossil, energy

Age: 14-18 Resource type: guide glossary tool assessment lesson plan

assessment lesson plan

Description: A series of lessons about the future of petroleu...Know More

Creative Commons license: (1)(\$)(3)

Project: Ingenious

View this in:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it pl - pt - ro - sk - sl - sv

Request translation:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it pl - pt - ro - sk - sl - sv

DEFORESTACTION: TAKINGITGLOBAL (PDF)

Descriptor: industry, educational institution

Age: all Resource type: presentation reference other

Description: The DeforestACTION Toolkit is an interdisciplinary educa...Know More

Creative Commons license: (*)(\$)(3)

Project: Ingenious

View this in:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt - nl pl - pt - ro - sk - sl - sv

Request translation:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt - nl pl - pt - ro - sk - sl - sv

SuperBenz





INGENIOUS SUPERBENZ WORKSHOP

Descriptor: finance, mobility, oil, safety, energy

Age: 15-18 Resource type: guide reference case study assessment application lesson plan

Description: Guidelines for a workshop – simulation game on developme...Know More

Creative Commons license: (*)(\$)(3)

Project: Ingenious

View this in:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt pl - pt - ro - sk - sl - sv

Request translation:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt pl - pt - ro - sk - sl - sv

HOW ARE DRUGS DEVELOPED? - TAKE PART IN THE RESEARCH OF A DRUG

Descriptor: biology, biotechnology, medicine

Age: > 10 Resource type: Not found guide lesson plan tool

Description: Science centres, museum and schools have a change to rep...Know More

Creative Commons license: 180

Project: Xplore health

View this in:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt - nl - pl - pt - ro - sk - sl - sv

Request translation:

en - bg - cs - da - de - el - es - et - fi - fr - ga - hu - it - lt - lv - mt - nl - pl - pt - ro - sk - sl - sv

Преводи по поръчка

©creative commons

The Licenses





Attribution CC BY





Attribution-NoDerivs CC BY-ND





Attribution-NonCommercial-ShareAlike CC BY-NC-SA





Attribution-ShareAlike CC BY-SA





Attribution-NonCommercial CC BY-NC





Attribution-NonCommercial-NoDerivs CC BY-NC-ND









SCIENTIX Европейска конференция 6-8 май 2011 г., Брюксел

Основен доклад - Sir John Holman, UK Постерна сесия

46 дискусии

2 Кръгли маси

25 щанда, представящи проекти, финансирани от EC

10 мини-практически семинари











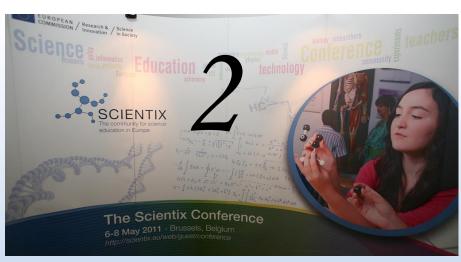




Scientix 2 | Speaker's name
Date | City
Name of event

Scientix 2 Европейска конференция 24- 26 Октомври 2014, Брюксел

- Доклади
- Постерна сесия
- дискусии
- Кръгли маси
- щанда, представящи проекти, финансирани от ЕС
- мини-практически семинари
- HO cera...





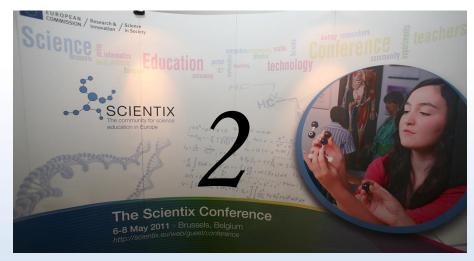






Scientix 2 Европейска конференция 24- 26 Октомври 2014, Брюксел

- Доклади
- Постерна сесия
- Дискусии
- Кръгли маси
- Щандове, представящи проекти, финансирани от EC
- мини-практически семинари
- Но сега....**550 участници**
- EUN ще покрие:
 - настаняването в хотела за всички
 - 200 самолетни билета за учители









Онлайн обучение ...











... И SCIENTIX практически семинари

















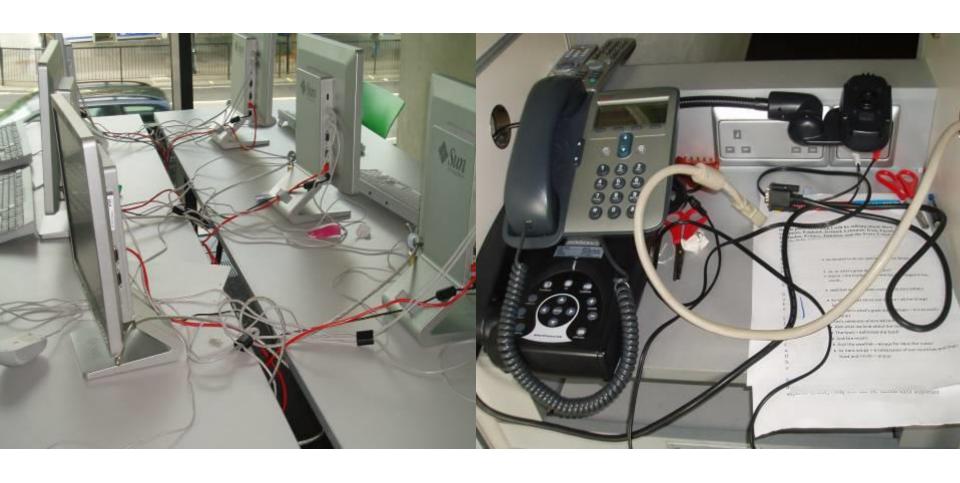
Future Classroom Lab

by European Schoolnet

Лаборатория на класната Стая на бъдещето http://fcl.eun.org

Как се е променило обучението през последните 50 години?





Лаборатория на класната стая на бъдещето

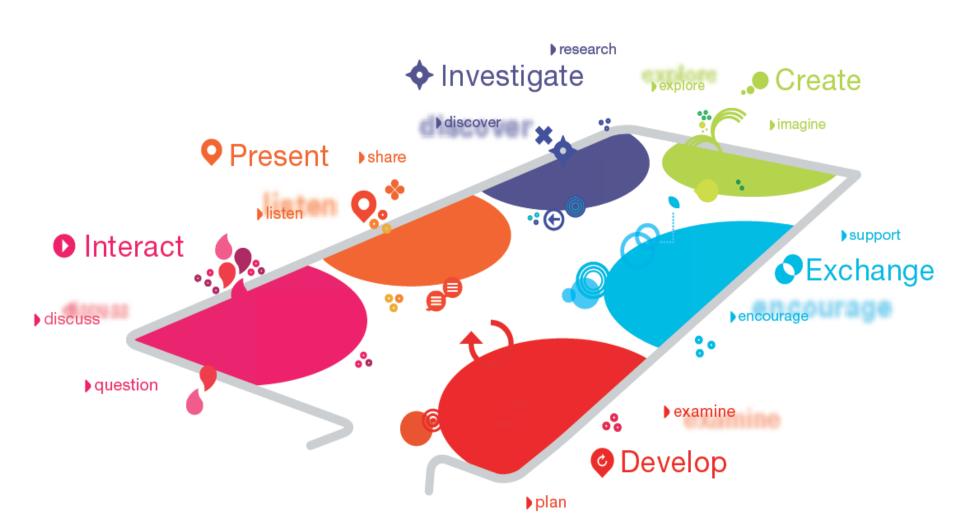




Шест различни зони

с подкрепата на:

Microsoft, Acer, Panasonic, Promethean, Smart, Dymo-Mimio, RM Education, Planet PC, Fourier



Интерактивна



Презентационна



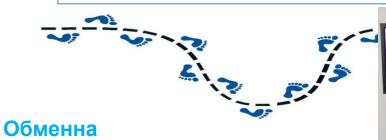
Изследователска



Креативна



Шест зони

















Насърчаване на сътрудничеството между проектите

- 1. Срещи на ръководителите на проекти / семинари (1 3 пъти годишно).
- 2. SCIENTIX предлага онлайн платформа за виртуално обучение
- 3. SCIENTIX семинари ← → семинари по проекти









SCIENTIX обсерватория

The Joy of Learning
Enhancing Learning Experience - Improving Learning Quality
Proceedings of the European Distance and E-Learning Network 2013 Annual Conference
Oslo, 12-15 June, 2013
ISBN 978-963-89559-3-7



THE SCIENTIX OBSERVATORY: ONLINE COMMUNICATION CHANNELS WITH TEACHERS AND STUDENTS – BENEFITS, PROBLEMS AND RECOMMENDATIONS

Agueda Gras-Velazquez, Barbara Schwarzenbacher, Evita Tasiopoulou, Maite Debry, Mathilde Bargoin, European Schoolnet – EUN, Belgium, Irina Kudenko, Myscience, United Kingdom, Maria Isabel Hernández Rodríguez, Centre for Research in Science and Mathematics Education – Autonomus University of Barcelona, Spain

Abstract

Scientix, the European Commission's DG Research and Innovation's community for science education in Europe includes since January 2013 the Scientix Observatory which aims to provide short overviews on a number of topics related to Science education projects. This paper concentrates on the format, benefits and problems encountered in communities of practice (CoP) and chats carried out by four projects: inGenious, Xperimania V, DESIRE and FuturEnergia. While inGenious' CoP last six weeks, DESIRE's CoP are only three days long. When looking for answers to specific questions, the DESIRE format works better but requires the information to be completed by shorter events or face to face workshops. When tackling general topics, longer CoP open all the time and facilitated by teachers, ensure the participation of teachers. inGenious and Xperimania V chats have experts replying via audio, while the FuturEnergia answers from the experts provided in writing, are better for schools with older technical equipment. The most efficient chats are carried out with a maximum of two experts, address up to 20 classes (400 pupils) and the chats have associated either an additional activity (like a competition) or the transcript which furthermore serves as an additional teaching resource.

Introduction

Scientix, the community for science education in Europe, was created to facilitate regular dissemination and sharing of know-how and best practices in science education across the European Union. Scientix is open for teachers, researchers, policy makers, parents and anyone interested in science education. Scientix collects teaching materials and research reports from European science education projects financed by the European Union under the 6th and 7th Framework Programmes for Research and Technological Development (Directorate General Research), the Lifelong Learning Programme (Directorate General Education and Culture)

Sharing Open Educational Resources in Multilanguage Repositories - the Learning Resource Exchange and Scientix

Premysl Velek, Victor J. Perez Rubio

European Schoolnet, Rue de Trèves, 61, B – 1040 Brussels, Belgium, premysl velek@eun.org

Abstract: The article presents and compares two ways to stimulate sharing and exchange of online educational resources across different languages and educational settings: the Travel Well criteria for learning materials and the Scientix Translation on demand service. Special attention is paid to the general features of online resources in science and maths education and their practical implications for their successful re-use in various contexts. The conclusion outlines the conditions under which those two approaches yield the expected results.

Keywords: Science and maths education, Multilanguage online repositories, Translation and localisation of Open Educational Resources, European initiatives

1 Introduction

Scientix, the community for science and maths education in Europe, initiated by the European Commission (Research and Innovation DG), has set up the Scientix observatory to provide a regular overview of the state of play of different themes related to science and maths education. The themes and initiatives examined vary in duration, scope, audience and methodology, yet all of them include elements of e-learning and the use of various online tools for education, communication, or data collection.

This article discusses the issue of multilanguage online repositories, and the exchange of Open Educational Resources (OERs) across countries and language boundaries, an issue accentuated by the expansion OERs in the past 10-12 years (OECD, 2007, p. 100-108). A special emphasis is put on exchanging and promoting good practice resources in STEM (Science, Technology, Engineering and Mathematics) education. Two examples of different, though complementary,

TIX

Scientix











Scientix Национални контактни точки



SCIENTIX







	Country	Teachers	Ambassadors	Deputy Ambassadors	Missing	The Time of Brent
1	Austria	3	1	2	1	Scientix
2	Belgium	3	1	2		A PROPERTY AND A STATE OF THE S
3	Bulgaria	3	1	2		Посланници
4	Croatia	2	1	1		
5	Cyprus	2	0	2		(Учители)
6	Czech Republic	3	1	2		
7	Denmark	3	1	2		
8	Estonia	3	1	2	1	1 st старт
9	Finland	3	1	2		-
10	France	3	1	2		29 Ноември – 1
11	Germany	3	1	2		Декември 2013
12	Greece	3	1	2		
13	Hungary	3	1	2		
14	Iceland	3	1	2		2 nd старт
15	Ireland	3	1	2		-
16	Israel	2	1	1		6 Декември – 8
17	Italy	3	1	2		Декември 2013
18	Latvia	2	1	1		декември 2013
19	Lithuania	3	1	2		
20	Luxembourg	1	0	1	1	
21	Malta	2	0	2	1	
22	Netherlands	3	1	2	1	
23	Norway	3	1	2		
24	Poland	3	1	2		
25	Portugal	3	1	2		
26	Romania	3	1	2		
27	Slovakia	3	1	2		9 9 9 9 9 9 9 P
28	Slovenia	2	1	1		
29	Spain	3	1	2		1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
30	Sweden	3	1	2		YULUULU -
31	Switzerland	3	1	2	2	
32	Turkey	2	1	1		
33	United Kingdom	3	1	2		
	ΤΟΤΛΙ	an	30	60		













http://scientix.eu

LATEST MEMBER



WANT TO BE A MEMBER? (1693 MEMBERS)

Type here your Username/OpenID

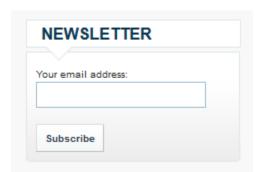




If you have not created your OpenID on this website or if you are not using an European Schoolnet OpenID, please paste the whole OpenID.

- Create account
- ⇒ Forgot your password?







@scientix_eu









Повече информация

Scientix Заместник посланник за България Свежина Димитрова, НАОП"Николай Коперник" - Варна (svejina@gmail.com)

http://scientix.eu



European Schoolnet - Science Programme Manager // Scientix project manager Àgueda Gras-Velázquez, European Schoolnet, Brussels, Belgium (agueda.gras@eun.org)



European Schoolnet - Web Editor // Scientix portal manager Přemysl Velek, European Schoolnet, Brussels, Belgium (premysl.velek@eun.org)







