

- Open Education  
in Macedonia

Hello!

**I am Elena Stojanovska**

I am here to present Macedonian perspective  
on Open Education.

You can find me at [clibitola@gmail.com](mailto:clibitola@gmail.com)



“

*Education is sharing.*

*David Wiley*

# Outline of the presentation

1. Educational system in Macedonia
2. Current situation
3. Timeline of OE
  - primary and secondary education
  - higher education
4. Activities of Center for Local Initiatives
5. Recommendations



Educational System

Current state

Timeline OE

CLI activities

Recommendations



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# EDUCATIONAL SYSTEM IN MACEDONIA

## EDUCATIONAL SYSTEM IN MACEDONIA



- Primary and secondary education is compulsory;
- Higher education is delivered at state and private universities;
- The Macedonian legislation on education is in compliance with UNESCO declarations and its “Education for All” Program.

## ● EDUCATIONAL SYSTEM IN MACEDONIA



### ○ Institutions in charge:

- Ministry of Education and Science
- Bureau for Development of Education
- Ministry of Information Society



# Current situation

Educational System

**Current state**

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## ● CURRENT SITUATION

- The free access to educational content is low;
- The rare exceptions are found in the enthusiasm of individuals;
- The concept of OER is not unknown in Macedonia, just it needs better coordination between the activities, intensifying and further developing.



# Timeline of OE

Initiatives, activities in the formal education system and from other sectors

Educational System

Current state

**Timeline OE**

CLI activities

Recommendations

● TIMELINE OF OE

2002

computerization and digitalization of education has been intensively developed in the period after 2002

2005

National Program on Education Development, Draft Program on ICT Development in Education (2005-2015), the National Policy on Information Society and the National Strategy on Information Society Development

## TIMELINE OF OE

- 2007 – Project “Computer for Every Child” started by the Government
- transfer from Windows OS (operating system) to LINUX-Edebuntu - educational software was implemented in order to increase the quality of the informational technology in the educational process.

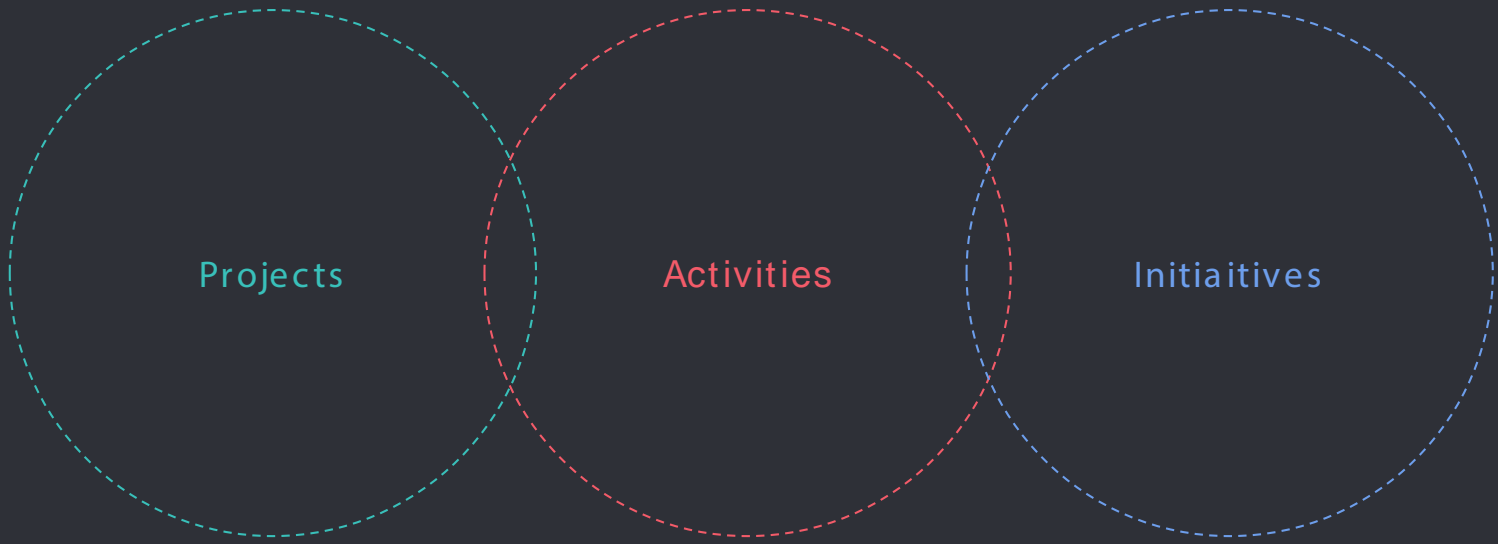
## TIMELINE OF OE

- **2008/2009** - selection, translation and localization of educational Edubuntu tools as part of the Project on Primary Education.
- OER efforts, website ToolBox was developed, and according to its creators represents/ED “a collection of instruction materials for the 21st century” (youtube videos)
- **2009/2010** MISPA in cooperation with Intel company developed the portal skool.mk

## TIMELINE OF OE



- 2010 Ministry of Information Society promoted the project on free e-textbooks and the relevant website e-ucebnici.mk
- *National Strategy on Development of e-Contents – frame of OER*



Educational System

Current state

**Timeline OE**

CLI activities

Recommendations

- E-uciliste
- Video aggregator
- Nauka.mon.gov.mk
- 10 0 0 knigi.mon.gov.mk



Видео агрегатор за олеснителна работа на учениците и професорите

Видео агрегатор за олеснителна работа на учениците и професорите



Educational System

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## Higher education

- Scientific publishing and textbooks
- E-learning (Moodle)

## Initiatives from other sectors

- Open Educational Resources of Metamorphosis foundation:  
[www.oer.mk](http://www.oer.mk)



Wikimedia Macedonia – 2009  
legally recognized from Foundation  
Wikimedia

Ресурси

oer.mk/resources/

Пребарај низ ресурсите

БАРАЈ

**Степен на образование**

- Основно
- Средно
- Високо
- Неформално

**Област**

- Природни науки
- Општествени науки
- Технички науки
- Уметност
- Друга


**Јазик**


- Македонски
- Албански
- Англиски
- Други јазици


**Тип на ресурсот**


- Учебник
- Белешки за предавање
- Вежби и задачи
- Курс
- Наставна програма
- Предавање
- Веб-сајт
- Брошура
- Друго
- Анализа
- Истражување
- Извештај

**Warning:** Missing argument 2 for wpdb::prepare(), called in /home/bewman/webapps/oer/wp-content/plugins/oerplugin/templates/resources\_display\_all.php on line 103 and defined in /home/bewman/webapps/oer/wp-includes/wp-db.php on line 1154

 **Тutoriјал: Користење на TOR**  
Прикачен од: Tamara  
Опис: Tutorијал: Користење на TOR  
Област: Технички науки

 **Видео Активности за Осми март**  
Прикачен од: Violeta Petkovska  
Опис: Изработки од најразлични материјали.  
Област: Уметност

 **Видео за техника печатење со компир**  
Прикачен од: Violeta Petkovska  
Опис: Примена на техника печатење на часот по ликовно образование.  
Област: Уметност

 **The Snowwhite - A story**  
Прикачен од: Виолета Панев  
Опис: A story for the kids in the primary school

# Makedonika Foundation - 2013

<http://www.makedonika.mk/>

More than **600 books** and **32 000 users**


Подреди ги книгите по > **КНИГОТЕКА** најнови во Книготека најчитани по АБВГД по автор

- Проза
- Поезија
- Роман
- Раскази
- New wave
- Драма
- Лектира
- Детски
- Сликвница
- Историја
- УКИМ
- Биографија

ресетирај избор


филтрирај

**ЦРНИ ОВЦИ**  
Катица Кулавкова



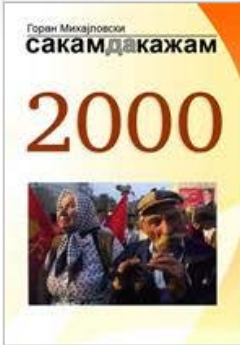
Црни овци  
Катица Кулавкова

**МАКЕДОНСКА КРВАВА СВАДБА**  
Војдан Чернодрински




Македонска крвава с...  
Војдан Чернодрински

Горан Михајловски  
**САКАМ ДА КАЖАМ 2000**



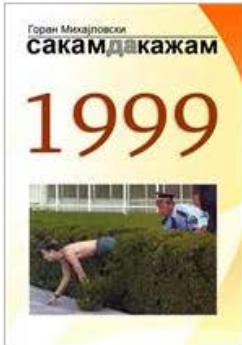
Сакам да кажам 2000  
Горан Михајловски

**СОН НА ЛЕТНАТА НОЌ**  
ВИЛИЈАМ ШЕКСПИР



Сон на летната ноќ  
Вилијам Шекспир

Горан Михајловски  
**САКАМ ДА КАЖАМ 1999**




Сакам да кажам 1999  
Горан Михајловски

**ЕВГЕНИЈ ОНЕГИН**  
Александар Пушкин



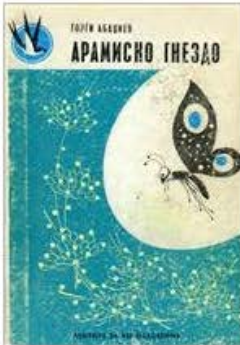
Евгениј Онегин  
Александар Пушкин

ГОРАН МИХАЈЛОВСКИ  
**САКАМ ДА КАЖАМ 1993**



Сакам да кажам 1993  
Горан Михајловски

ГОРГИ АБАЦИЕВИЌ  
**АРАМИСКО ГНЕЗДО**



Арамиско гнездо  
Горги Абаџиев



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## OUR ACTIVITIES

CLI Bitola

## ● OUR ACTIVITIES

● Part of the Open Education Week 2015

● Trainings and presentations how to use OER

● Innovative ways of training delivery using OER

Educational System

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**CLI activities**

Recommendations



- Facilitated sessions of massive open online courses



# Beyond Silicon Valley: Growing Entrepreneurship in Transitioning Economies

[Resume Course](#)

## About this Course

The path for entrepreneurs to grow their companies outside of well-developed entrepreneurial ecosystems like Silicon Valley is challenging. Most markets around the world do not look like Silicon Valley, and they never will. But there are other models to support new businesses. In transitioning markets (where entrepreneurs do not have much access to private sector financing), government officials, donors, and business leaders are experimenting with creative approaches to support the growth of entrepreneurs. Northeast Ohio, whose largest city is Cleveland, is one such community. During our time together in this course, we will be exploring some of these innovative approaches.



Case Western Reserve University



Professor Michael Goldberg  
Assistant Professor, Design and Innovation  
Weatherhead School of Management



# ИНВЕСТИРАЈ

Зошто да одите во странство кога можете да останете и да ја развivate Вашата држава

CEFE Macedonia

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## Beyond Silicon Valley: Growing Entrepreneurship in Transitioning Economies - The Macedonian Story

by CEFE Macedonia • 11 videos • 855 views • Updated 4 days ago

These videos are designed according to the Massive Open Online Course (MOOC) "Beyond Silicon Valley: Growing Entrepreneurship in Transitioning Economies", which is thought by Prof. Michael Goldberg from Case Western University Reserve fr... more

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WATCHED

1. Modern History of Entrepreneurship in Macedonia

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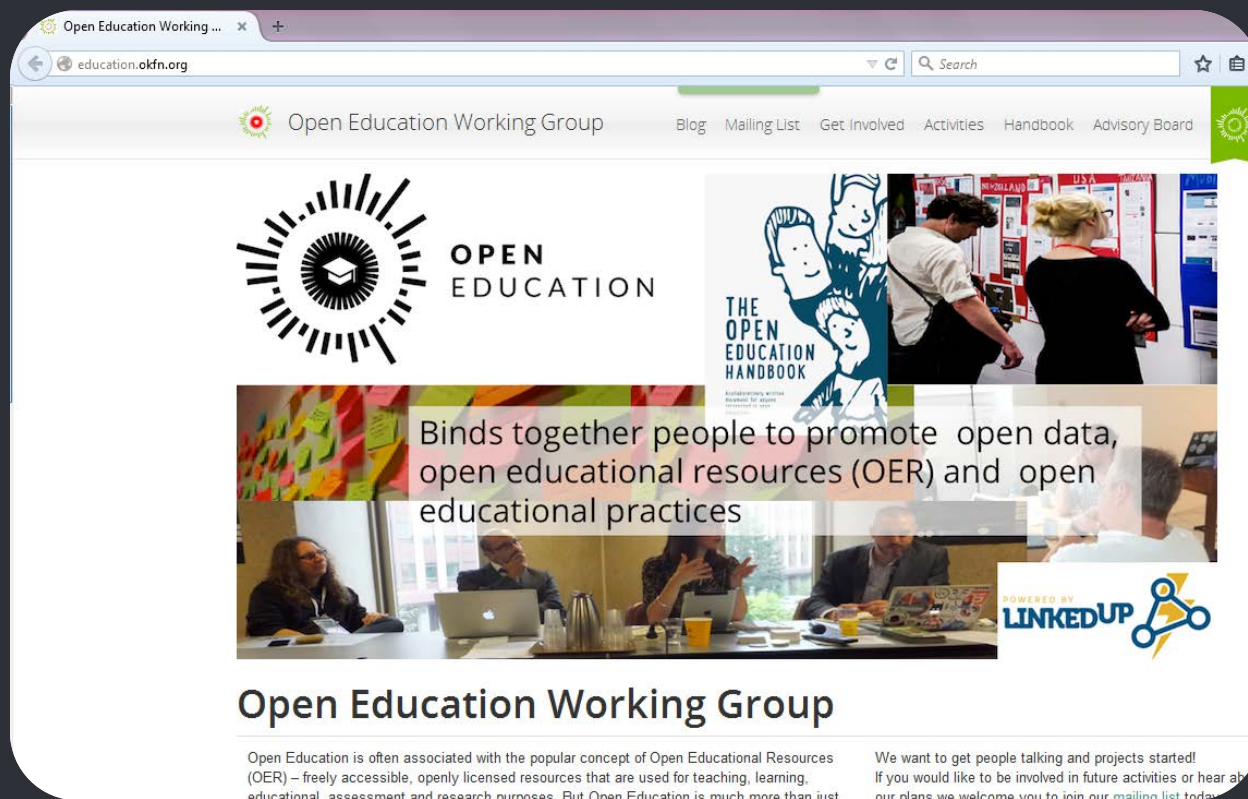
- Part of the first MOOC created in Macedonia on topic: Growing entrepreneurship in transitioning economies – The Macedonian story
- <http://cefe.mk/Investiraj/>



## OUR ACTIVITIES

Part of the Coordinative Team of Open Education  
Working Group from September 20 15

[www.education.okfn.org](http://www.education.okfn.org)



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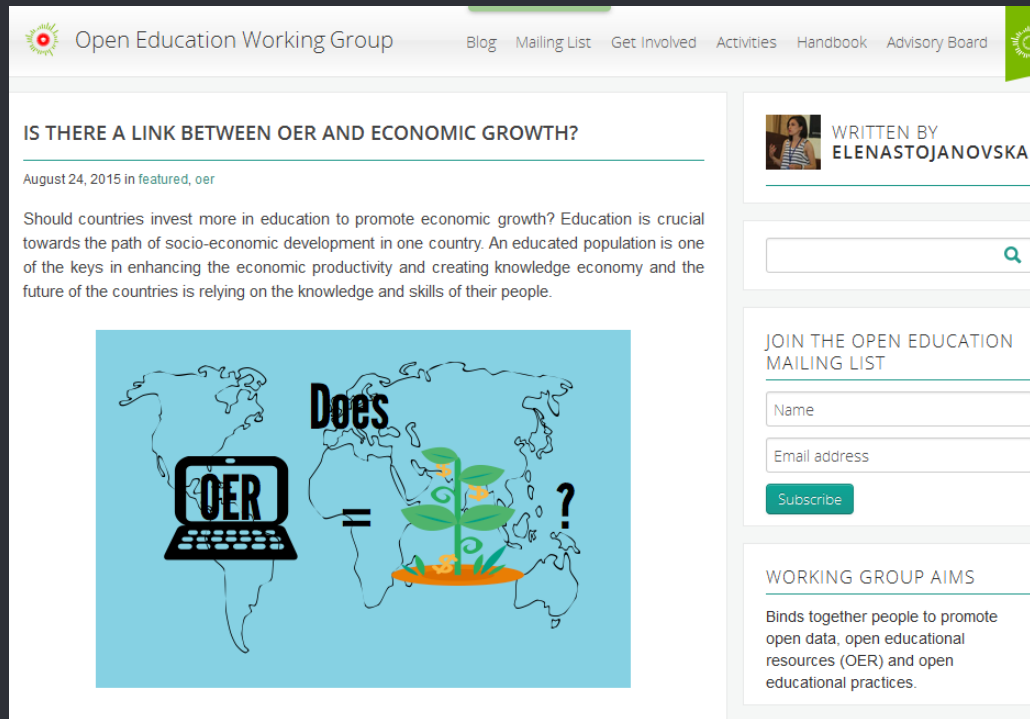
CLI activities

Recommendations

## OUR ACTIVITIES

### Open Education Macedonia

### Is there link between economic growth and OER?



The screenshot shows a blog post from the Open Education Working Group. The title is "IS THERE A LINK BETWEEN OER AND ECONOMIC GROWTH?". The author is Elenastojanovska. The post discusses the relationship between education and economic growth, stating that an educated population is key to enhancing economic productivity and creating a knowledge economy. An illustration shows a laptop with "OER" on the screen, an equals sign, and a growing plant on a globe with a question mark, symbolizing the link between OER and economic growth.

Open Education Working Group

Blog Mailing List Get Involved Activities Handbook Advisory Board

### IS THERE A LINK BETWEEN OER AND ECONOMIC GROWTH?

August 24, 2015 in featured, oer

Should countries invest more in education to promote economic growth? Education is crucial towards the path of socio-economic development in one country. An educated population is one of the keys in enhancing the economic productivity and creating knowledge economy and the future of the countries is relying on the knowledge and skills of their people.



WRITTEN BY  
**ELENASTOJANOVSKA**

JOIN THE OPEN EDUCATION MAILING LIST

Name

Email address

#### WORKING GROUP AIMS

Binds together people to promote open data, open educational resources (OER) and open educational practices.

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## RECOMMENDATIONS

## ● Recommendations



It is necessary to make a correlation between the Ministry of Education, open educational resources and legislative initiatives



Open the archives of educational and scientific materials



Resources created by students during the educational process should be acknowledged as their copyright works and be published with institutional support



Benchmarking



Transfer of experiences



Enhancing Regional cooperation

Thanks!

ANY QUESTIONS?

You can find me at

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<http://clibt.blogspot.mk/>

<https://mk.linkedin.com/in/elenastojanovska>