

Open Education as an opportunity to reshape  
Western Balkans education  
18-20 September 2017, Ljubljana, Slovenia

## Open Educational Resources in Macedonia

- Current Situation, Challenges and Initiatives -

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18 September 2017, Ljubljana

# Context

- Population over 2 million people
- Primary education:
  - Lasts 9 years
  - 192,715 students, 17,887 teachers
- Secondary education:
  - Lasts 3-4 years
  - 76,394 students, 7,420 teachers)
- Higher education:
  - 4,114 teachers at 19 Higher Education Institutions (Universities, Faculties, ...)
  - 58,083 enrolled students in the academic year 2016/2017
  - In 2016, a total of 2 021 persons obtained the titles of Master of Science and Specialist
  - 197 persons have gained the title "Doctor of Science" in 2016
- Internet penetration:
  - Population aged 15-74 – 72%
  - Internet most used by students – 100%
  - 99.2% of all households with Internet access have broadband (fixed or mobile) connection to the Internet
- Textbooks for Primary and Secondary Education:
  - Free of charge

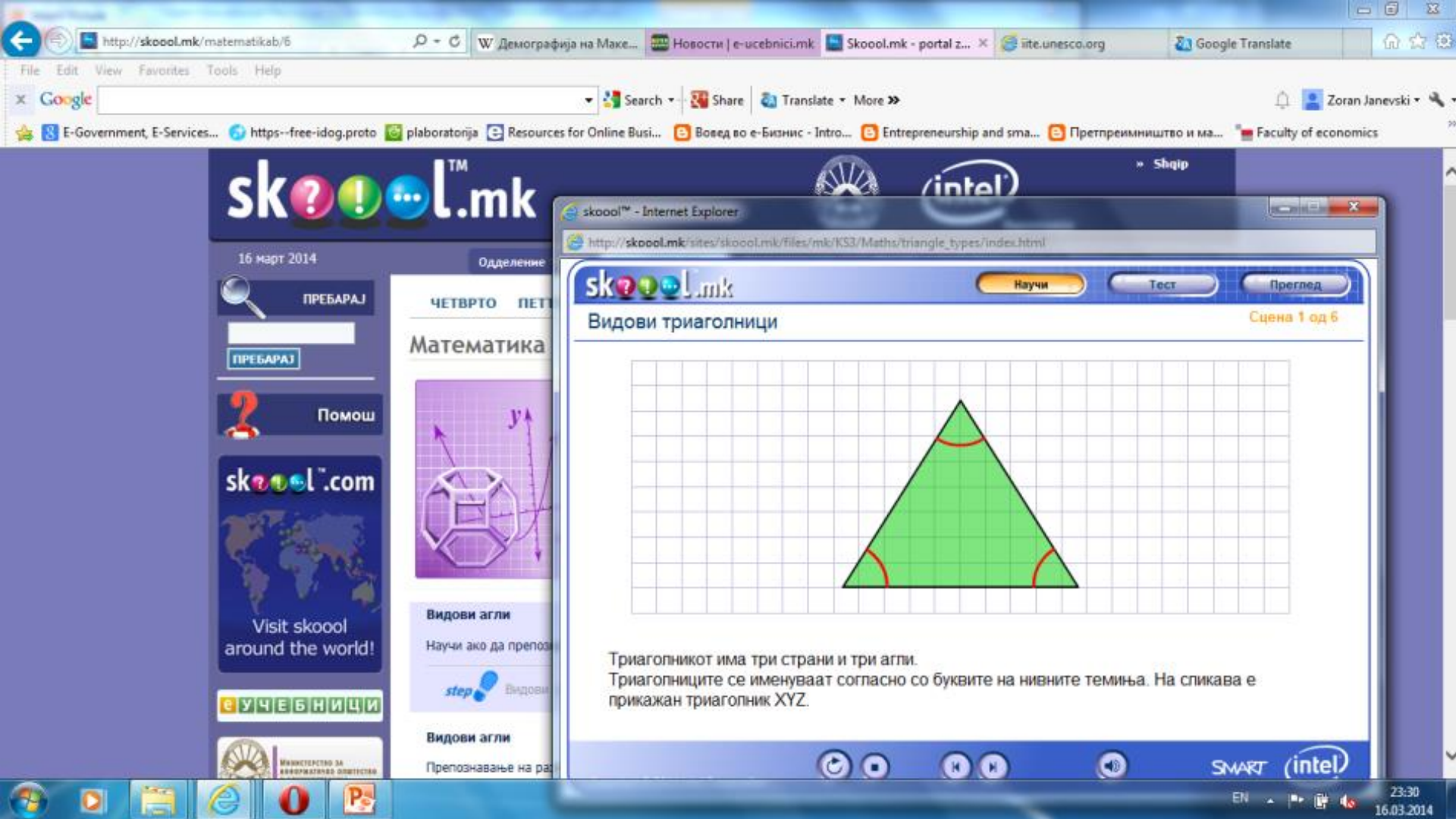
# *OER Policy and Regulation*

- Education has a constitutional basis
- No policy and regulation on OER
- Law on Primary Education
  - a) mandatory and free of charge
  - b) public interest
  - c) IT technologies (Internet) must be used
- Law on Secondary Education
  - a) secondary education is also defined as public interest, it is mandatory and free in public high schools
- Law on Textbooks for Primary and Secondary Education
  - a) Textbooks are free of charge
  - b) Proposed by the Bureau for Development of Education and confirmed by the minister
- Law on Copyright and Related Rights
  - a) Defines the principles that regulate the rights of textbooks' authors, regardless the form of the textbooks – printed or electronic

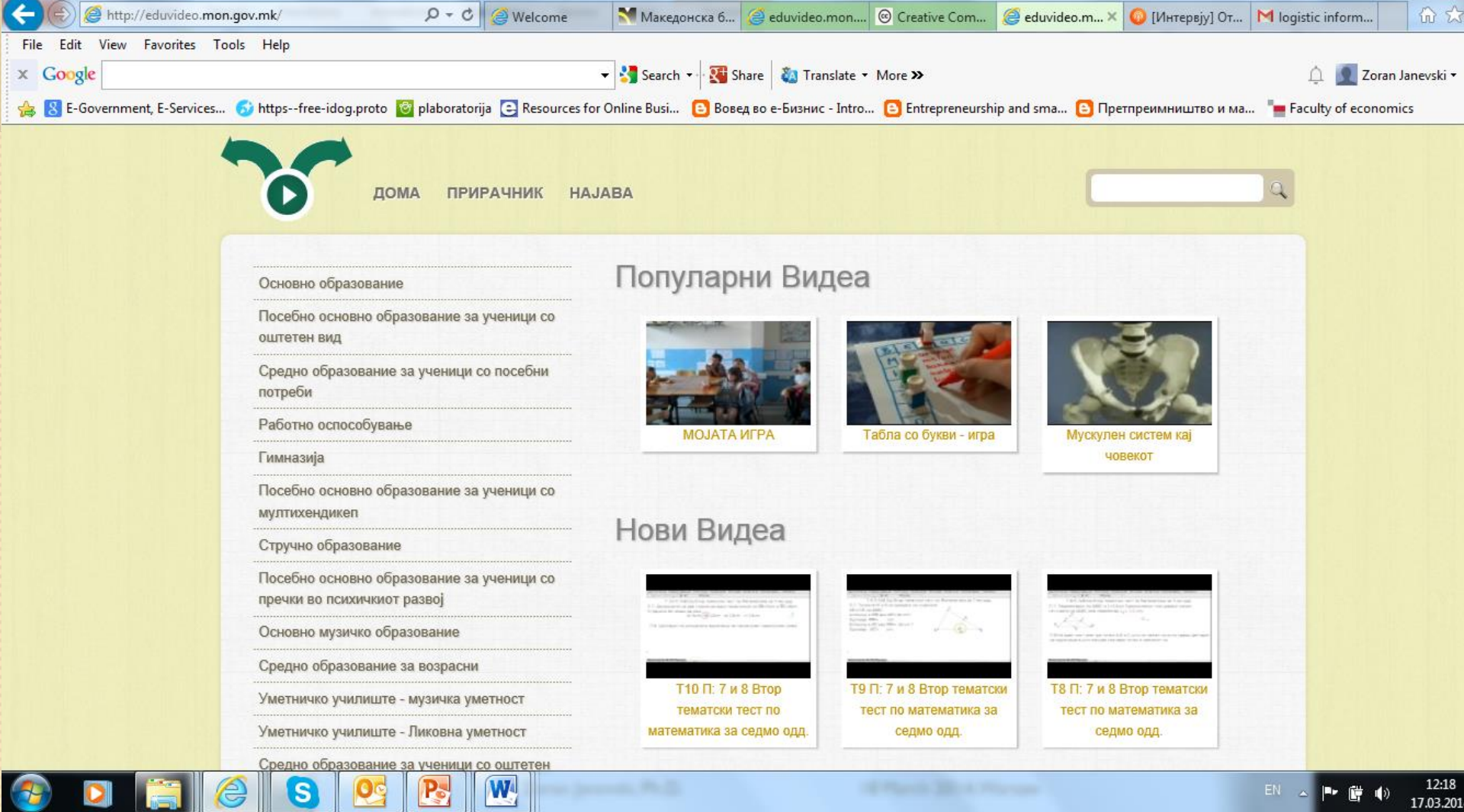
# Content

- 2007 - Computer for every student, 1.45:1 (students per computer)
- 2009 - E-Contents ([www.skool.mk](http://www.skool.mk))
- 2010 - National Strategy and Action Plan for e-Content Development 2010-2015
- 2009- 2012 - E-Textbook Portal, 60+ textbooks ([www.eucebnici.mon.gov.mk](http://www.eucebnici.mon.gov.mk))
- 2011 - Web portal - video content aggregator (<http://eduvideos.mon.gov.mk>)

## SPORADIC INITIATIVES



[www.skoool.mk](http://www.skoool.mk)



<http://eduvideos.mon.gov.mk>



[www.e-ucebnici.mon.gov.mk](http://www.e-ucebnici.mon.gov.mk)

# *E-Textbooks Portal - random, fragmented*

*and unregulated open access to textbooks in Macedonia*

- Digital e-Textbooks Library
- Absence of a comprehensive policy and procedures for its implementation and use
- No value added, just a digital copy of the existing paperback textbooks
- Randomness
- Fragmentation - 'e-textbooks' is a static window, "Search" is still "Under Construction"
- It provides incomplete textbooks
- No use of Creative Commons
- Authors have heard but do not really know much about the open access (OA) to textbooks
- MoE must lead towards OA and OE





http://oer.mk/

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Zoran Janevski

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# ОТВОРЕНИ РЕСУРСИ ОБРАЗОВНИ

Пребарај го сајтот... **БАРАЈ**

Основни поими Вести Изданија Препораки Ресурси Декларација за ООР на Македонија

## Диплома од Центарот за вишо образование „Tidewater“ со наставна програма целосно составена од ООР – Резултати по една година

13 МАРТ 2014 ОД TAMARA • ОСТАВИ КОМЕНТАР

Ми се допаѓа Tweet 1 +1 0 Share

На 10 март, Коалицијата за научно издаваштво и академски ресурси организираше конгресен брифинг за отворени образовни ресурси (ООР) за време на Неделата на отворено образование. Говорникот, Даниел ДеМарте, го опиша искуството кое го има Центарот за

Македонски Shqip

Најави се  
Регистрирај се

Партнери

20 ГОДИНИ  
FOUNDATION ФОНДАЦИЈА  
OPEN SOURCE ОПОТВОРЕНО  
SOCIETY ШКОЛСТВО  
MACEDONIA МАКЕДОНИЈА

EN 12:19 17.03.2014

[www.oer.mk](http://www.oer.mk)

<http://oer.mk/resources/>
Welcome
Македонска б...
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Ресурси
[Интервју] От...
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Пребарај го сајтот... **БАРАЈ**

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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

<https://www.facebook.com/GrandmasGames>

**Прикачен од:** Marina Vasileva

**Опис:** Grandma's games is a project which aims to overcome the negative aspects of the passive cyber games with creative usage of technology and developing a digital manual for grandma's games ...

**Област:** Природни науки

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**Grandmas Games (Бабини игри)**

**Прикачен од:** Marina Vasileva

**Опис:** Grandma\'s games is a project which aims to overcome the negative aspects of the passive cyber games with creative usage of technology and developing a digital manual for grandma\'s games which would ...

**Област:** Природни науки

Македонски  
 Shqip

**Најави се**

**Регистрирај се**

**Партнери**

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 SOCIETY ОПШТЕСТВО  
 MACEDONIA МАКЕДОНИЈА

12:22 17.03.2014

[www.oer.mk/resources](http://www.oer.mk/resources)

# Initiatives

- Declaration on OER in Macedonia (Based on the Paris Declaration) in cooperation with the National Commission for UNESCO of Macedonia.
- Web application (<http://oer.mk/sign/index.php/pages/signup>)
- Round Tables with participants from primary and secondary schools, universities, libraries, non-governmental organizations and public institutions.
- Discussions with the Government (MON, MIOA, MOC) on OER cooperation, and preparation for the law amendments. Raising awareness among government officials.
- Production and distribution of promotional material (Video Clip (<http://oer.mk/sign/index.php/pages/video/>) brochures, leaflets, t-shirts and mobile phone holders with personalized messages (And Name supports OER, too.),<sup>12</sup>

# *Challenges and Future Plans*

- OE and OER Sustainability (through introduction of the OE and OER into the Law on Textbooks, and other Edu-Laws).
- OER Alliance in Macedonia to become more recognizable and with more members (1000 individuals, 50 organizations).
- Cooperation with Metamorphosis and other promoters and supporters if possible.
- Continue and intensify discussions with the Government and establish partnership.
- Continue Raising Awareness especially among Government and Ministries, Universities, Research Centers, Business Sector (Lifelong learning, On-the-job training) and introduce more innovative approach.



*THANK YOU*