

Open Educational Resources and FLOSS

- OER Definition
- OER and FLOSS – lessons learned
- Key points in OER
- OER and Web 2.0
- Advantages of using OER
- Important OER projects
- A pilot program for Romanian teachers

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OER Definition

Open Educational Resources – OER: “the open provision of educational resources, enabled by information and communication technologies, for consultation, use and adaptation by a community of users for non-commercial purposes.”

The term:

- . has been introduced and promoted in the context of **UNESCO**'s aim to provide free access to educational resources on a global scale,
- . was first adopted by UNESCO in 2002 in the final report of the Forum on the Impact of Open Courseware for Higher Education in developing countries

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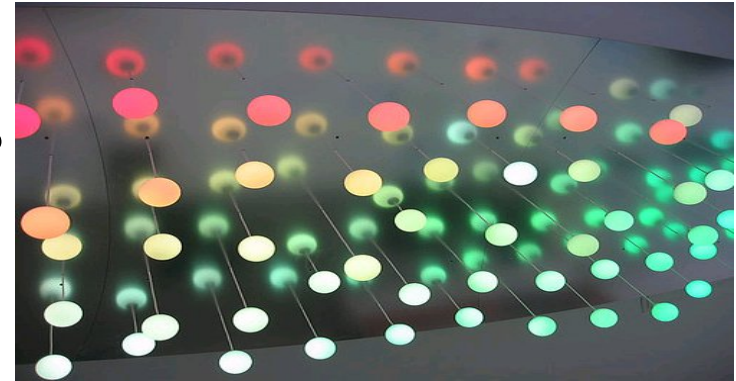
OER definition

William and Flora Hewlett Foundation:

“At the heart of the movement toward Open Educational Resources is the simple and powerful idea that the world’s knowledge is a public good and that technology in general and the Worldwide Web in particular provide an extraordinary opportunity for everyone to share, use, and re-use knowledge. ”

OER Definition

OER comprise three major areas of activity:



- . the creation of **open source software and development tools** - needed to produce, store, share, search, access content; spaces for learning communities / communities of practice ,
- . the creation and provision of **open content** (different granularity) – open courseware / open content projects, free courses, Learning Objects repositories
- . the development of **standards and licensing tools**.

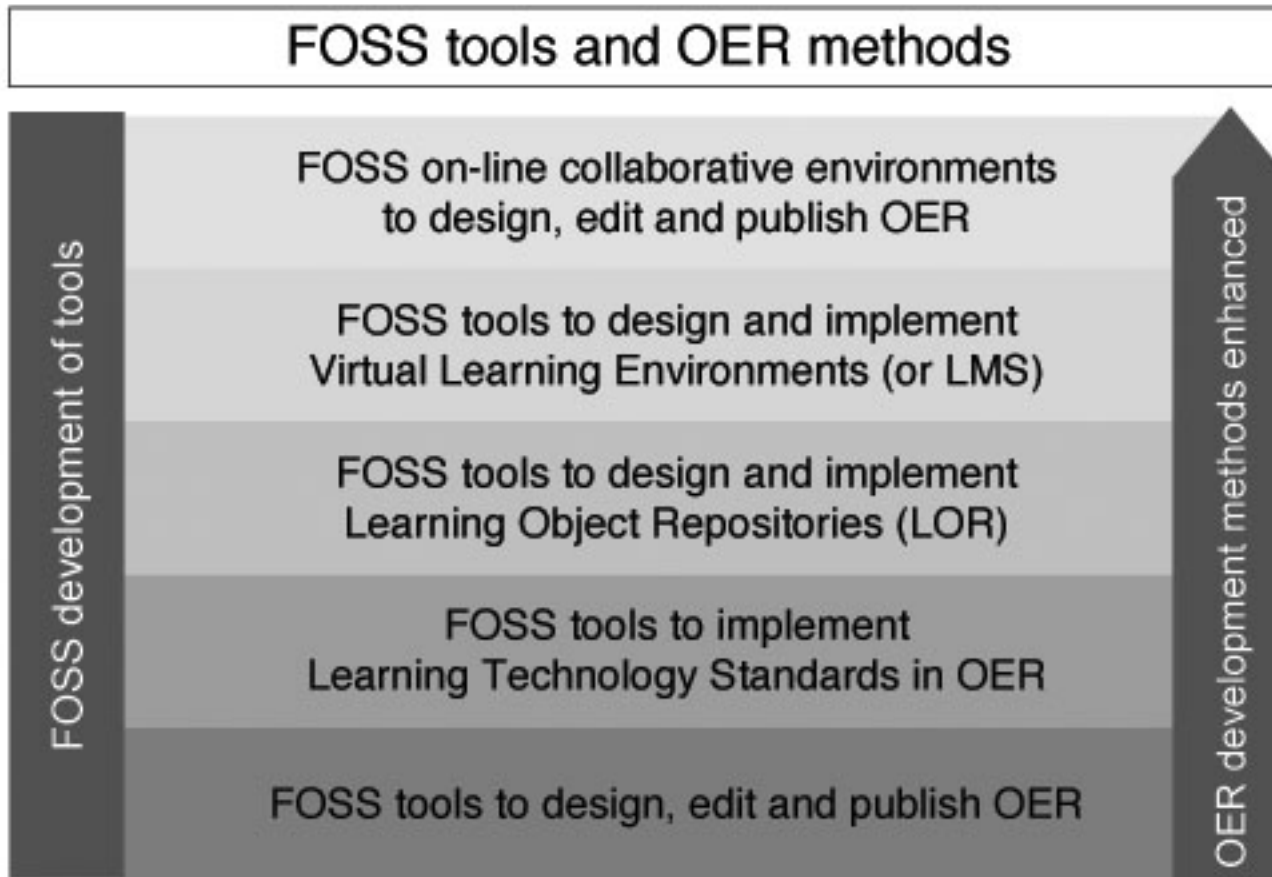
OER and FLOSS. Lessons learned

- **OER** and **FLOSS** are complementary
- **OER** development can mirror and take advantage of the **FLOSS** collaborative model
- **FLOSS** can promote creation of **OER** content in developing countries
- **OER** developers should commit to open licenses
- more inclusive formats for document exchange should be used
- **FLOSS** can support technical demands of **OER** development / better searching of **OER**

UNESCO International Institute for Educational Planning's
Open Educational Resources Community [http://oerwiki.iiep-](http://oerwiki.iiep-unesco.org)

[unesco.org](http://oerwiki.iiep-unesco.org)

FLOSS tools for OER



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Key Points in OER

- to foster the **acquisition of specific competences** needed by teachers and learners
- to adopt **open educational practices** within and across educational institutions - such practices follow a competency-focused, collaborative paradigm of learning and knowledge acquisition
- **priority** should be given:
 - to **learning communities** instead of teacher-centred education,
 - to development of **knowledge and skills required for solving problems** instead of subject-centred knowledge transfer.

OER and Web 2.0



- collaboration: blogs, wikis, social networks
- content: syndicated using RSS feeds, categories created with social bookmarking systems
- licence: Creative Commons

Openness is the core paradigm of content, tools and services in Web 2.0 digital environments

OER advantages for educational networks and institutions

- sharing development costs among institutions or professional communities => a **higher return on investment** of public funds
- **promote digital competence** for the knowledge society - tools and content that allow learners to develop their critical thinking and creativity
- **increase educational quality of content** - quality control, feedback and improvements within content alliances, communities and networks who share content
- **foster lifelong learning and social inclusion** - easy access to resources that may otherwise not be accessible by potential user groups.

OER advantages for teachers, students, learners

- offer **flexibility** in choosing from a broader range of subjects and topics for teaching and learning
- **save time and effort** through reusing resources for which IPR/copyright issues have already been resolved
- **easy-to-use tools** to set up collaborative environments: blogs, wikis, social networks, RSS feeds syndication
- promote **user-centred approaches** in education and lifelong learning; participants not only consume educational content but develop their own ePortfolios, and share study results and experiences with peers.

Open Educational Resources Projects - worldwide

- UNESCO International Institute for Educational Planning's Open Educational Resources Community -

<http://www.unesco.org/iiep>

International Institute
for Educational Planning
a learning organization



- OpenCourseWare Consortium - <http://ocwconsortium.org/>

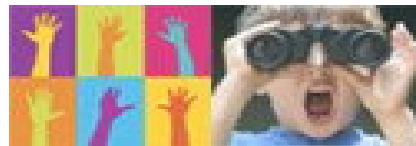
OPENCOURSEWARE
CONSORTIUM

MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

openlearn

- OER Commons Open Educational Resources -

<http://www.oercommons.org>



Open Educational Resources Projects - Europe

- Open eLearning Content Observatory Services - <http://www.olcos.org> - Roadmap 2012



Open eLearning Content Observatory Services

- EUN – European Schoolnet - <http://www.eun.org>
Learning Resource Exchange

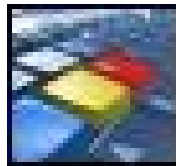


Romanian Open Access Projects

- Educational Portals: <http://portal.edu.ro>,
<http://www.didactic.ro>



- Online materials – universities websites
- Educational Blogs, Wikis: <http://www.timsoft.ro/resurse.shtml>



A pilot program for Romanian teachers



economia bazată pe cunoaștere
valoarea comunității tale

- Project “Development of Education Policy Concerning the Integration of the Information and Communication Technology and Communications in the Pre-University Romanian Education System” - *Finnish Consulting Group*
- Activity 1 – pilot program for using **OER and new technologies in teaching and learning** - implemented by Seppo Tella, University of Helsinki, Carmen Holotescu, Timsoft

Program pilot in proiectul "Economia bazata pe cunoastere"

You are logged in as [Carmen Holotescu](#)

[KEP](#) ► [KEpilot](#)

Switch role to... Turn ed

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[Settings](#)

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[Restore](#)

[Import](#)

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Topic outline

Forumuri de discutii

- [Anunturi](#)
- [La inceput de program pilot](#)
- [Discutii modul 1 \(despre OER si Web2.0 \): 26.03-8.04](#)
- [Discutii module 2, 3 \(despre RSS \): 9-15.04](#)
- [Discutii module 4, 5 \(despre sisteme de bookmark colaborativ si bloguri \): 16-22.04](#)
- [Discutii module 6, 7 \(despre wiki si sisteme sociale \): 23.04-6.05](#)
- [Discutii module 8, 9 \(despre sisteme multimedia si Google Maps \): 7.05-13.05](#)
- [Exercitii colaborative](#)
- [Coffee House](#)
- [Obiective, aspecte tehnice si administrative](#)

Module

- [Introducere: Ce inseamna resurse educationale deschise: 26.03-8.04](#)
- [Modul1: Ce inseamna Web 2.0. Implicatii in educatia...](#)

Wiki cu proiecte create

Wiki-ul [KEProject](#) va contine proiecte create de profesorii participantii; parte din proiecte vor fi de grup dezvoltate impreuna cu elevi din multe scoli.

OPML grup

Bloglines Subscriptions

Grazr File View

Address <http://www.bloglines.co>

[Colectii_RSS](#)

[Exercitii_colaborative](#)

[KEProject_wiki](#)

[Site-uri_personale](#)

[Site_uri_scoli](#)

Materials, discussions, collaborative exercises on a Moodle platform - <http://www.ecomunitate.ro/moodle>

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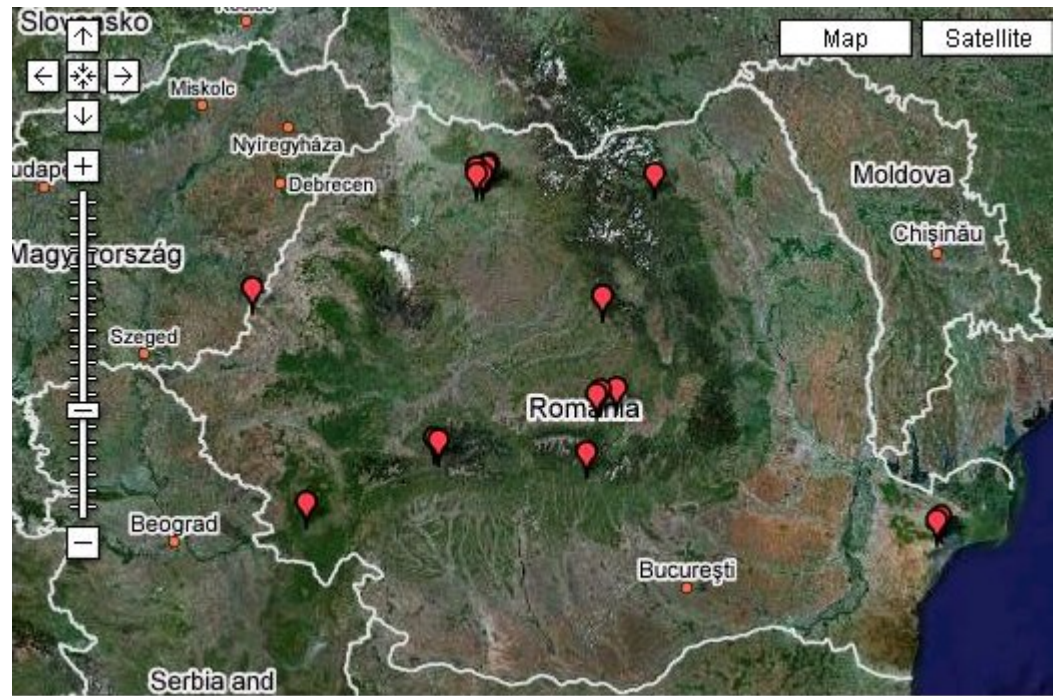
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Topics:

OER, Web 2.0 in education,
RSS feeds, collaborative bookmarking systems, blogs,
wikis, social networks, OS in education, Creative
Commons

Collaborative Projects
published on [KEProject
wiki](http://keproject.wikispaces.com) -
<http://keproject.wikispaces.com>



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Using OER means:

open access / use / re-use / create / share / validate OER

specific competences, open educational practices,
learning communities

Thank you!