Deliverable 38r: Presentation given at the EMINENT 2015 / SCIENTIC, Experts Meeting in Education Networking annual event, Barcelona, 19-20 November 2015
<table>
<thead>
<tr>
<th><strong>Project Title</strong></th>
<th>Enhance Teaching and Learning of Less Used Languages through OER/OEP</th>
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</thead>
<tbody>
<tr>
<td><strong>Project Acronym</strong></td>
<td>LangOER</td>
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<tr>
<td><strong>Funding Programme</strong></td>
<td>Lifelong Learning Programme, KA2 Languages</td>
</tr>
<tr>
<td><strong>Contract No</strong></td>
<td>543239-LLP-1-2013-1-LV-KA2-KA2NW</td>
</tr>
<tr>
<td><strong>Project Start</strong></td>
<td>January, 1st, 2014</td>
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<tr>
<td><strong>Project Duration</strong></td>
<td>36 months</td>
</tr>
<tr>
<td><strong>Partnership</strong></td>
<td>Fryske Academy, The Netherlands (P1, Project coordination), Web2learn, Greece (P2, Project management) European Schoolnet, Belgium (P3), University of Gothenburg, Sweden (P4), Jan Długosz University, Poland (P5), Mykolas Romeris University, Lithuania (P6), International Council for Open and Distance Education (ICDE), Norway (P7), European Foundation for Quality in E-learning, Belgium (P8), Rezekne Higher Education Institution, Latvia (P9).</td>
</tr>
<tr>
<td><strong>Copyright</strong></td>
<td>© 2014 LangOER partnership</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>Final</td>
</tr>
<tr>
<td><strong>Contractual day of delivery</strong></td>
<td>(N/A)</td>
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<tr>
<td><strong>Nature of the deliverable</strong></td>
<td>E – Event</td>
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<tr>
<td><strong>Dissemination level</strong></td>
<td>PU = Public</td>
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<tr>
<td><strong>Author(s) and their institutions</strong></td>
<td>Ioannis Lefkos &amp; Katerina Zourou (Web2Learn)</td>
</tr>
<tr>
<td><strong>Contributor(s) and their institutions</strong></td>
<td></td>
</tr>
<tr>
<td><strong>History</strong></td>
<td>Version No &amp; date Revised by</td>
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</table>
1. Summary of the event

EMINENT is the Experts Meeting in Education Networking annual event organized by European Schoolnet (EUN). It brings experts in education, Ministries representatives and other stakeholders to discuss the latest trends in education and technology. EMINENT 2015 was focused on Science, Technology, Engineering and Maths (STEM) in Education and Life and was organized in collaboration with Scientix, the community for science education in Europe, as well as the Department of Education of Catalonia.

The collaboration with Scientix impacted the number of participants (increasing the participation from ~150 to 280).

Ioannis Lefkos (Web2Learn) attended the 2 days of the event, and presented a workshop on the 1st day. The presentation was entitled: “Open Educational Resources (OER) in Science Education”.

The workshop lasted 2 hours and was generally divided in three parts. The first part was an introduction to OER (UNESCO definition and the 5R’s of openness) and the LangOER Project (Scope, research, outcomes). The second part was about the use of the CC licenses, and how these can contribute to the development and growth of OER. The last part was the longer one and participants were provided with examples of OER repositories relevant to Science Education and also with step by step guidelines about using simple tools to Reuse, Remix and Redistribute OER’s. The tools proposed were (a) TED Ed, online lesson editor and (b) the Amara online video translation utility. Attendants were also provided with a link to all relevant resources used at the workshop in the form of a Padlet online Bulletin Board, so they were able to test these tools themselves.
2. **Target audience and impact**

About 250 participants attended the EMINENT 2015 event. The workshop participants were about 20-25 people, educators, Ministries representatives and other stakeholders.

During the workshop presentation there was a lot of discussion about the culture of sharing between the teachers and about the copyright issues concerning the use of other people’s work.

An informative leaflet about the LangOER Project was also given to all participants.

3. **Outcomes**

The event has given the opportunity to present some of the LangOER project’s products that were briefly presented at the workshop, but links were also provided to the actual materials:

   a) The “Open Educational Resources (OER) in less used languages: a state of the art report”, which presents the results of an in-depth investigation and analysis of Open Educational Resources (OER) in 23 languages, including the target languages of the LangOER consortium.

   b) Policy Brief - Open Educational Resources in your Own Language, in your Way, with recommendations to governments and policy makers about ways to adopt Open Educational Resources in their own language.
Workshop: working with Open Resources in Science Education

Ioannis Lefkos, Katerina Zourou
Web2Learn, Greece

EMINENT/Scientix conference, 19-20 November 2015
Do you know any of these sites?

Amara makes video globally accessible

TED Ed Lessons Worth Sharing

Create a Lesson
What is OER - UNESCO’s Definition

- **Teaching, learning and research materials** in the public domain OR released under an open license;
- **No-cost** access;
- **Possible to adapt and redistribute** with no (or limited) restrictions

*UNESCO (2012) Paris OER Declaration*

Also: Defining the "Open" in Open Content:

- **Retain**
- **Reuse**
- **Revise**
- **Remix**
- **Redistribute**

*David Wiley, 5 Rs of Openness*
What is the LangOER project

• Enhance the linguistic and cultural components of OER

• Raise awareness about the risk of exclusion of less used languages

• Foster sustainability through OER reuse

• Address needs of policy makers and educators
  – Training of educators from LUL communities
  – Mainstream good practice at policy making level
About the LangOER network

“Enhancing teaching and learning of Less Used Languages through OER/OEP”

European funded network (2014-2016),

- Fryske Academy, The Netherlands
- Web2learn, Greece
- European Schoolnet, Belgium
- University of Gothenburg, Sweden
- Jan Dlugosz University, Poland
- Mykolas Romeris University, Lithuania
- European Foundation for Quality in E-learning, Belgium
- International Council for Open and Distance Education, Norway
- Rezekne Higher Education Institution, Latvia

Co-funded by the European Commission (LLP programme)
LangOER project languages

**Project languages:** Danish, Dutch, Flemish, French, Frisian, German, Greek, Icelandic, Italian, Latgalian, Latvian, Lithuanian, Norwegian and Polish.

**Additional European languages:** Catalan, English, Estonian, Finnish, Flemish, Hungarian, Romanian and Welsh are also targeted.
IN-DEPTH INVESTIGATION OF OER

STATE-OF-THE ART REPORT

This report presents the results of an in-depth investigation and analysis of Open Educational Resources (OER) in 23 languages, including the target languages of the LangOER consortium: Dutch, Frisian, Greek, Latvian, Lithuanian, Polish and Swedish. Target languages have also been extended to more European languages, regional and minority languages (RML). The investigation also included a more global overview by using languages such as English, French, and German for reference. The study is now also available in several languages: Dutch, Frisian, Greek, Latvian, Lithuanian, Polish and Swedish.

The state-of-the-art report covers 22 languages
Results: Policy

• The overall picture emerging from national approaches to OER is **characterised by diversity**
• Initiatives and explicit connections to ministries and national educational agencies are being addressed in concrete actions e.g. in Greece, Wales and Catalonia
• Some national approaches are connected to online spaces indicating engagement in OER for LUL as **driven by communities**
• The impression is more one of **occasional initiatives** without incentives for fully sustained development
• Without a potential connection to long-term policy level or community level commitments, some promising initiatives eventually risk ending up as discontinued websites, **not uncommonly found** in the investigation.
Results: languages

• A diverse landscape:
• Languages with considerable OER to languages with few or no OER at all
• In some LULs, there are a few large OER repositories that have been developed to host a high number of users and OER.
  
  e.g.: In Estonia HITSA has 4,500 records, Koolielu has 7,500 records, and in Sweden the ROER Lektion.se has over 208,000 members (June 2014 data).
• There are also multilingual repositories with a high number of languages, for instance LeMill (with an alleged #87 languages).
Policy workshop organized by ICDE in 2014

Resulted in a **policy brief**:

- available in EN, EL, LT, LV, NL, SE, PL and Frisian
- viewed +320 times.
- High interest: some ICDE members & partners decided to translate into: Russian, Faroese, Arabic, Norwegian, Bahasa Indonesian
Policy recommendations

Recognizing the importance to adopt OER’s in their own language, it is recommended for governments to:

- Adopt national policies in support of Open Educational Resources in less used languages.
- Facilitate in partnership with private, public and the educational sector, market places and collaborative arenas for quality OER.
- Take the leadership in facilitating the development of open frameworks and standards to ease the ability of OER repositories and systems to work together (provide and accept educational content, compatible applications and contextualized services).
...there are some challenges

- Searching, discoverability and sharing
- Copyright and quality
- Concepts of the culture of OEP and reflective practice is novel to some groups
- Incentives for fully sustained development
- For some teachers, resources are not to be shared as they are ‘their stock-in-trade’
**Webinars**

- **25 March 2015, 14:00-14:45 (CET)**
  - Introduction to OER and the open learning platform – Marit Bijlsma, Mercator Research Centre on Multilingualism and Language Learning / Fryske Akademy (Netherlands)

- **2 April 2015, 14:00-14:45 (CET)**
  - OER and best-practice examples – Ebba Ossiannilsson, Lund University (Sweden)

- **15 April 2015, 14:00-14:45 (CET)**

- **23 April 2015, 14:00-14:45 (CET)**
  - OER and licensing: What you need to know – Lisette Kalshoven, Kennisland / Creative Commons (Netherlands)
  - Chair: Valentina Garoia, European Schoolnet (Belgium)

- **13 May 2015, 14:00-14:45 (CET)**
  - How to store and share your own created material? – Elena Schulman, European Schoolnet (Belgium)
18 expert interviews on “Language teaching and learning through OER and OEP”

Youtube channel of European Schoolnet
Teacher training activities in blended mode carried out in GR, LV, LT, PL, and SE in Spring –Summer 2015
Covering: Licensing, how to find and use OER, how to create OER; how to mix resources containing different types of licensing.
What is an original? What is a remix?

Nothing is original, says Kirby Ferguson, creator of Everything is a Remix. From Bob Dylan to Steve Jobs, he says our most celebrated creators borrow, steal and transform.

http://www.ted.com/talks/kirby_ferguson_embrace_the_remix?language=en
Structure of the course and insights into module 2

| Module 1: Introduction
| Module 2: Reuse and Revise
| Module 3: Redistribute
| Module 4: Remix

**Module 2: Reuse and Revise**

This module will guide you through the already existing repositories of open resources. We will ponder over the concept of openness and will search for resources that fit your context. You will also learn how to attribute CC-licensed content.

**Activities**

- Task 1: The video task - read before you watch
- Task 2: Exploring OER repositories
- Task 3: Features of good-quality repositories
Working with CC licensing

<table>
<thead>
<tr>
<th>License</th>
<th>Copy &amp; Publish</th>
<th>Attribution Required</th>
<th>Commercial Use</th>
<th>Modify &amp; Adapt</th>
<th>Change License</th>
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</thead>
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<td>Yes</td>
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<td>Yes</td>
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</table>

- You can redistribute (copy, publish, display, communicate, etc.):
- You have to attribute the original work:
- You can use the work commercially:
- You can modify and adapt the original work:
- You can choose license type for your adaptations of the work:
Outline of the Workshop

• **CC licenses:**
  – What is the effect on OER?

• **Reusing OER:**
  – Phet simulations: [https://phet.colorado.edu/](https://phet.colorado.edu/)
    • (login to submit activity)
    • (login to create lesson)
  – Amara: [http://www.amara.org/](http://www.amara.org/)
    • (login from the start)
Materials for the Workshop

- Padlet online virtual “bulletin” board for the workshop:
  - http://goo.gl/TCiw4L  OR
Your ideas

Interest in involvement for specific activities?

Practices?

Experiences from the field?

Other?
Staying in touch

http://langoer.eun.org/

#langOER

LangOER

OER and languages

OER and languages

LangOER teachers’ group
5. Other material (agenda)
EMINENT 2015: STEM IN EDUCATION AND LIFE
Barcelona 19-20 November 2015

Rationale
EMINENT is the Experts Meeting in Education Networking annual event organised by European Schoolnet (E-SN). It brings experts in education, Ministers representatives and other stakeholders to discuss the latest trends in education and technology. EMINENT 2015 will be focused on Science, Technology, Engineering and Maths (STEM) in Education and life and will be organised in collaboration with Scientix, the community for science education in Europe, as well as the Department of Education of Catalonia.

The collaboration with Scientix will impact the number of participants (increasing the participation from ~150 to 290); the content (with the inclusion of stands, workshops and presentations on STEM education issues) and opening the door to invited project representatives beyond those in which European Schoolnet is involved (not done until now). This conference is additionally supported by GSMA and Telefonica.

The event in detail
Dates and location
EMINENT 2015 will take place in Barcelona, 19 – 20 November 2015

Venue
Tomi Telefónica Diagonal 00, Plaça de Llevant, Barcelona.

Registration
Participation is by invitation only. There is no conference fee and Scientix will offer the coffee breaks and lunches both days for all participants. Dinner on Thursday 19th November will be offered by GSMA.

Target audience
290 participants are expected to attend the event. These participants will include policy makers and industry representatives mainly. Additionally, project representatives, researchers and teachers will be invited to ensure all stakeholders of STEM education are present.

Conference on Twitter
Twitter hashtags for the conference: #EMINENT2015, #ScientixWorks

Wednesday 18th November 2015 (Pre-conference meetings / By invitation)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:00 – 17:00</td>
<td>Agame Teach training providers meeting</td>
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<td></td>
<td>FZI-Antidera Mac 3rd floor</td>
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<tr>
<td>13:00 – 17:00</td>
<td>Researchers’ track</td>
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<td>Sala de Fomentació II, 2nd floor</td>
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<tr>
<td>17:30 – 20:00</td>
<td>European Schoolnet Steering Committee meeting</td>
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<td>Sala de Fomentació II, 2nd floor</td>
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# Thursday 19th November 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30 - 09:30</td>
<td>Registration / set up of stands</td>
</tr>
<tr>
<td>09:30 - 10:00</td>
<td>Opening + PT1: Auditorium, 2nd floor</td>
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<tr>
<td>10:00 - 11:00</td>
<td>Keynote speakers + PT1: Auditorium, 2nd floor</td>
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<tr>
<td>11:00 - 11:30</td>
<td>Coffee break at the stands exhibition area + General floor and 3rd floor</td>
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<tr>
<td>11:30 - 12:30</td>
<td>2 presentations on projects (18 projects)</td>
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<tr>
<td>12:30 - 13:30</td>
<td>Lunch + Hotel Barcelona Princep (in front of the Conference venue)</td>
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<tr>
<td>13:30 - 14:00</td>
<td>Coffee at the stands exhibition area + Ground floor and 2nd floor</td>
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<tr>
<td>14:00 - 15:00</td>
<td>Presentations from Ministries of Education + PT1: Auditorium, 2nd floor</td>
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<td>(12 talks)</td>
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<td>15:00 - 15:30</td>
<td>Coffee break at the stands exhibition area + General floor and 3rd floor</td>
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<tr>
<td>15:30 - 17:30</td>
<td>Workshop 1: Collaboration in STEM education (90 people)</td>
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<td>15:30 - 17:30</td>
<td>Workshop 2: Open resources (30 people)</td>
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<td>15:30 - 17:30</td>
<td>Workshop 3: Students &amp; Civilizing (60 people)</td>
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<tr>
<td>15:30 - 17:30</td>
<td>Workshop 4: ENABLE + FII: Auditorium, 3rd floor</td>
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<tr>
<td>15:30 - 17:30</td>
<td>Workshop 5: Mobile learning (150 participants) + FII: Auditorium, 2nd floor</td>
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<tr>
<td>17:45 - 19:15</td>
<td>Industry – Ministerial session (by invitation only) + Hotel Barcelona Princep (in front of the Conference venue)</td>
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<tr>
<td>19:30</td>
<td>Networking dinner, offered by OSMA + Museu Marítim, Avinguda de les Drassanes SN</td>
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### Friday 20th November 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00 – 09:00</td>
<td>Registration / visit of stands</td>
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<tr>
<td>09:00 – 10:15</td>
<td>Presentations from Ministries of Education II ➔ FI: Auditorium, 2nd Floor</td>
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<tr>
<td></td>
<td>• Portugal: STEM education in Portugal - Strategy and initiatives (Júlio Catarino Tanque)</td>
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<td>• Germany: Peer learning - a German program for professional development for science and technology teachers (Korn Bier)</td>
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<td>• Lithuania: STEM education in Lithuania - developing a culture of innovation (Gedroja Vaiškūtė)</td>
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<td>• Belgium: Focus on the STEM Reference Framework for Schools as part of the STEM Action Plan 2015-2020 (Chouchoul Op de Beeck)</td>
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<td>• Malta: STEM popularisation - the Malta experience (Marie Micalle)</td>
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<tr>
<td>10:15 – 10:30</td>
<td>Scientific results and the future by Agueda Grass ➔ FI: Auditorium, 2nd Floor</td>
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<tr>
<td>10:30 – 11:00</td>
<td>Coffee break at the stands exhibition area ➔ Ground floor and 2nd Floor</td>
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<tr>
<td>11:00 – 12:15</td>
<td>Panel discussion: Challenges on STEM Education ➔ FI: Auditorium, 2nd Floor</td>
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<td>• Moderator: Dr. Richard Walker, STEM teacher</td>
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<td>• Member of the European Commission’s Expert Group on Science Education (Yvonne Raesenberg)</td>
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<td>• European Commission representative: Kenta Seki (Project Officer at DG Research)</td>
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<td></td>
<td>• STEM education researcher/project representative: Kats Miad (Professor at the University of Education Freiburg)</td>
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<td>• Industry/Foundation representative: Albert Font (BSMP)</td>
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<tr>
<td>12:15 – 13:30</td>
<td>Actions for the future, conclusions and farewell by Marc Durando, Executive Director of European Schoolestics</td>
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<tr>
<td>12:30 – 13:50</td>
<td>Lunch ➔ Hotel Barcelona Princep (on level of the Conference venue)</td>
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<tr>
<td>13:30 – 14:00</td>
<td>Coffee at the stands exhibition area ➔ Ground floor and 2nd Floor</td>
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<tr>
<td>14:00</td>
<td>Discount stands</td>
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</tbody>
</table>

### Further Information

On the event: Agueda Grass <agueda.grass@eun.org>, European Schoolnet Science Programme Manager and Science Project Manager.

On the logistics: Silvia Sphoos <sphoos@eun.org>, European Schoolnet Events Manager.

- [www.sso.org](http://www.sso.org)
- [sso_schooles](http://sso_schooles)
- [EU2017](http://EU2017)
- [KoreanWorks](http://KoreanWorks)
- [European Schoolestics and Science Teachers in Europe Group](http://www.sso.org)
6. Other material (pictures)