



## Program

# Expanding Open Educational Resources for Lifelong Learning in Kazakhstan

*Park Inn by Radisson, Astana  
11-13 December 2017*

## 1. Background

In 2015, the United Nations adopted the Sustainable Development agenda until 2030. As part of this agenda, Kazakhstan agreed to achieve the Sustainable Development Goal 4 until 2030, which aims at ensuring inclusive and quality education for all and promoting lifelong learning. Having access to a quality education is the foundation to improving people's lives and sustainable development. Information and Communication Technology (ICT) can contribute to universal access to education, equity in education, the delivery of quality learning and teaching, teachers' professional development and efficient education management, governance and administration. In this context, the potential of opening up educational resources for use and adaptation by everyone, especially those in resource-poor environments, is a great opportunity to achieve quality education for all.

The term Open Educational Resources (OER) was coined at UNESCO's 2002 Forum on Open Courseware and designates "teaching, learning and research materials in any medium, digital or otherwise, that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation and redistribution by others with no or limited restrictions. Open licensing is built within the existing framework of intellectual property rights as defined by relevant international conventions and respects the authorship of the work". UNESCO recognizes the potential OER holds to widen access to education at all levels, both formal and non-formal in a perspective of lifelong learning, and to improve both cost-efficiency and quality of teaching and learning outcomes.

After leading the OER initiative over one decade, UNESCO convened the World OER Congress at its Headquarters in Paris (20-22 June 2012) during which Member States of UNESCO signed the 2012 Paris OER Declaration. The Qingdao Declaration, adopted by Member States during the International Conference on ICT and Post-2015 Education held on 23-25 May 2015 at Qingdao, China, reaffirmed that UNESCO identifies OER as a way to provide education stakeholders with opportunities to improve the quality of, and expand access to, textbooks and other forms of learning content, to catalyze the innovative use of content, and to foster knowledge creation.

Member States should embrace the commitment to develop sector-wide strategies and capacity building programmes to fully realize the potential of OER to expand access to lifelong learning opportunities and achieve quality education.

The Asia-Pacific Ministerial Forum on ICT in Education 2017 (11-12 May 2017, Seoul, Republic of Korea) adopted the Asia-Pacific Regional Strategy on Using ICT to Facilitate the Achievement of Education 2030 for the next five years. During the forum, the Central Asian countries highlighted that progress in priority areas on secondary education, technical and vocational education (TVET) and higher education development could be achieved through enhanced access to OER and MOOCs to address the needs of the labour market by 2022 (action point 3).<sup>1</sup>

In line with these global and regional agreements, UNESCO has been conducting a number of activities on ICTs in education and OER in Kazakhstan. UNESCO Institute for Information Technologies in Education (IITE) completed a survey on OER in Kazakhstan in 2011.<sup>2</sup> The findings of this survey indicated that Kazakhstan required comprehensive programmes on nation-wide training in ICTs in education and on increasing a scale and impact of OER initiatives. For instance, Kazakhstan developed a general legislative framework, which supports the use of OER. However, the quality of available resources is not regulated, as decision makers in education require more understanding of benefits which OER can offer. Some education institutions need to learn to store their OER collections and cooperate with others to widen the access to external OER sources.

Since 2013, the annual Central Asia Symposiums on ICT Education (CASIE) have been calling for urgent attention to significant benefits of OER in the Central Asian context for enhancing educational practices for all.<sup>3</sup> Following CASIE 2015, UNESCO Headquarters developed a project on OER in Central Asia, in collaboration with the UNESCO Cluster Office in Almaty, the UNESCO Tashkent Office, UNESCO Asia-Pacific Regional Bureau for Education, and IITE. It has an overall goal to contribute to the implementation of Paris OER Declaration and the Qingdao Declaration in supporting Central Asian countries to harness ICTs to achieve SDG 4 and Education 2030 (Incheon Declaration and Framework for Action). Under the framework of a signed agreement with Weidong Group, UNESCO supports Member States, including Central Asian countries (Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan), in developing and implementing national OER policies through regional and country-specific OER seminars and workshops.

In this context, UNESCO is organizing the National Workshop on Expanding OER for Lifelong Learning in Kazakhstan. A core task of this workshop is to contribute towards establishing an enabling environment towards the development and implementation of national OER policies in the country. To facilitate this environment, it is necessary to share national experiences, scrutinize existing policy frameworks, compare them with the advanced international practices and recommendations, identify existing gaps, and enhance the existing policy framework to fill these existing gaps.

## 2. Main objectives

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<sup>1</sup><http://bangkok.unesco.org/content/asia-pacific-ministerial-forum-ict-education-2017>

<sup>2</sup><http://iite.unesco.org/pics/publications/ru/files/3214683.pdf>

<sup>3</sup><http://en.unesco.kz/central-asia-symposium-on-ict-in-education-casie-2016-2016-09-02>

1. Train the participating policy makers on the essential knowledge on OER and its implications for Education 2030.
2. Present existing OER experiences and activities implemented in Kazakhstan and lessons learned from the OER policy development of other countries with a view to facilitate policy dialogue in the field of ICT in education.
3. Develop the capacity of the participating policy makers in planning the sector-wide strategies needed to adopt OER, and prepare the first draft of the national policy on OER.

### 3. PARTICIPANTS

If a **national committee for OER policy or strategy has been established**, the core members of the committee who have been designated by the minister(s) should be the main participants. If the Committee has not yet been established, those who will be involved in developing and coordinating the implementation of the OER policy/strategy should attend the workshop:

- Director-general level MoE officials from the departments who are in charge of the use of ICT in the education sector including ICT in K-12, tertiary education (including higher education), TVET, teacher training, and non-formal education.
- MoE officials from the departments/sections/units that are in charge of digital content development.
- Directors or experts from key national and international institutions that are/should be involved in developing and coordinating the implementation of the OER policy/strategy.
- Representatives from Non-governmental educational institutions involved in lifelong learning and out of school education

## Agenda

11 December 2017	
Day 1	
09:00 – 09:30	Registration
	Welcome and Opening Session
09:30 – 09:50	<p><b>Opening remarks:</b></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Cluster Office</p> <p>Meldebekova MayraTurganbaevna, Ministry of Education and Science of the Republic of Kazakhstan</p> <p>Krista Pikkat, Director, UNESCO Almaty Cluster Office</p>
09:50 – 09:55	<ul style="list-style-type: none"> <li>• <b>Introduction of Participants</b></li> </ul> <p><b>Presenter:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p>
09:55 – 10:00	<ul style="list-style-type: none"> <li>• <b>Introduction of the Objectives and Background</b></li> </ul> <p><b>Presenter:</b> Fengchun Miao, Chief, of Unit for ICT in Education, UNESCO Headquarters</p>

<p><b>10:00 – 10:30</b></p>	<p><b>Session 1: Global UNESCO ICT in Education Programme and OER Projects</b></p> <p><i>The role of OER in achieving SDG 4</i></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p> <p><b>Presenters:</b></p> <p>Fengchun Miao, Chief of Unit for ICT in Education, UNESCO Headquarters</p> <p>Svetlana Knyazeva, Chief of Section of Digital Pedagogy and Learning Materials, IITE</p>
<p><b>10:30 – 11:00</b></p>	<p><b>Coffee/tea Break &amp; Group Photo</b></p>
<p><b>11:00 – 11:45</b></p>	<p><b>Session 2: Experience on OER Policy Development: Open Licensing</b></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p> <p><b>Presenter:</b> Nartay Ashym, Director, Knowledge Engineering (45 min)</p>
<p><b>11:45 – 12:30</b></p>	<p><b>Session 3: Global Experience on OER Policy Development</b></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p> <p><b>Presenter:</b> Fengchun Miao, Chief of Unit for ICT in Education, UNESCO Headquarters (45 min)</p>
<p><b>12:30 – 14:00</b></p>	<p><b>Lunch Break</b></p>
<p><b>14:00 - 14:15</b></p>	<p><b>Session 4: Regional Experience on OER</b></p> <p><b>Presenter:</b> Jonghwi Park, Education Programme Specialist, UNESCO Asia-Pacific Regional Bureau (15 min)</p>
<p><b>14:15 – 14:35</b></p>	<p><b>Session 5: OER Initiatives in Central Asia: Kyrgyzstan, Tajikistan, Uzbekistan and Kazakhstan</b></p> <p><b>Moderator:</b> Svetlana Knyazeva, Chief of Section of Digital Pedagogy and Learning Materials, IITE</p> <ul style="list-style-type: none"> <li>• <b>OER Initiatives in Kyrgyzstan</b> (20 min)</li> </ul> <p><b>Presenters:</b></p> <p>Ulanbek Mambetakunov, Ministry of Education and Science</p> <p>Lira Samykbayeva, Open Society Institute</p>
<p><b>14:35 – 14:55</b></p>	<ul style="list-style-type: none"> <li>• <b>OER Initiatives in Tajikistan</b> (20 min)</li> </ul> <p><b>Presenters:</b></p> <p>Parviz Latifov, Ministry of Education and Science</p> <p>Nazarkhudo Dastambuev, Open Society Institute</p>
<p><b>14:55 – 15:15</b></p>	<ul style="list-style-type: none"> <li>• <b>OER Initiatives in Uzbekistan</b> (20 min)</li> </ul> <p><b>Presenters:</b></p> <p>Haydarov Ozodjon, Ministry of Public Education</p>
<p><b>15:15 - 15:30</b></p>	<p><b>Coffee/tea Break</b></p>
<p><b>15:30 – 16:10</b></p>	<ul style="list-style-type: none"> <li>• <b>OER Initiatives in Kazakhstan</b></li> </ul> <p><b>Draft of Country Report on OER in Kazakhstan</b> (30 min)</p> <p><b>Presenter:</b> Yermek Alimzhanov, Director of the Institute for New Educational Technologies</p> <ul style="list-style-type: none"> <li>• <b>OER country example</b> (10 min)</li> </ul>

	<b>Presenter:</b> Piotr Lapo, General Library Expert, Nazarbayev University Library
<b>16:10 – 18:30</b>	<p><b>Session 6: UNESCO OER Indicators</b></p> <p><b>Moderator:</b> Svetlana Knyazeva, Chief of Section of Digital Pedagogy and Learning Materials, IITE</p> <ul style="list-style-type: none"> <li>• <b>Presentation of OER in Germany and UNESCO OER Indicators</b></li> </ul> <p><b>Presenter:</b> Dominic Orr, FiBS, Germany</p> <ul style="list-style-type: none"> <li>• <b>Collecting Responses to the UNESCO OER Oval Questionnaire</b></li> </ul> <p><b>Facilitator:</b> Dominic Orr, FiBS, Germany</p>
<b>18:30</b>	<b>End of Day 1</b>
<b>19:00 – 21:00</b>	<b>Reception</b>
<b>12 December 2017</b>	
<b>Day 2</b>	
<b>09:00 – 09:10</b>	<b>Recap of Results of Day 1</b>
<b>09:10 – 10:10</b>	<p><b>Session 7: OER Policies Development in Kazakhstan</b></p> <p><b>Moderator:</b> Jonghwi Park, Education Programme Specialist, UNESCO Asia-Pacific Regional Bureau</p> <ul style="list-style-type: none"> <li>• <b>OER in Development and Education Policies in Kazakhstan (30 min)</b></li> </ul> <p><b>Presenter:</b> Ministry of Education and Science</p> <ul style="list-style-type: none"> <li>• <b>Introduction to the UNESCO OER Country Policy template (30 min)</b></li> </ul> <p><b>Presenter:</b> Fengchun Miao, Chief of Unit for ICT in Education, UNESCO Headquarters</p>
<b>10:10 – 11:10</b>	<p><b>Session 8: Why OER: OER Essentials for Policy Makers</b></p> <p><i>OER policy review and OER policy examples. Strengths and limits in developing OER Policies in Kazakhstan. Discussion on how to position OER in national education strategies of Kazakhstan.</i></p> <p><b>Moderator:</b> Svetlana Knyazeva, Chief of Section of Digital Pedagogy and Learning Materials, IITE</p>
<b>11:10 – 11:25</b>	<b>Coffee/tea Break</b>
<b>11:25 – 13:00</b>	<p><b>Session 9: Assessment of Situation and Need for OER</b></p> <ul style="list-style-type: none"> <li>• <b>Group discussion and policy drafting (1 hr 15 min)</b> <ul style="list-style-type: none"> <li>✓ <i>How OER supports the vision of education development of Kazakhstan (policy context, mission and objectives of OER policy)?</i></li> <li>✓ <i>What OER policies and strategies should be developed (scope)?</i></li> <li>✓ <i>Where to position the newly developed OER policies and strategies (required changes in existing policies)?</i></li> </ul> </li> </ul> <p><b>Facilitators:</b> National OER Focal group as group leaders</p> <ul style="list-style-type: none"> <li>• <b>Presentation of the results of group work (20 min)</b></li> </ul> <p><b>Moderator:</b> National OER Focal group</p>
<b>13:00 – 14:30</b>	<b>Lunch Break/Press Briefing</b>

<b>14:30 – 16:15</b>	<p><b>Session 10: Curriculum and Material to be Openly Licensed</b></p> <ul style="list-style-type: none"> <li>• <b>Group discussion and policy drafting</b> (1 hr 15 min) <ul style="list-style-type: none"> <li>✓ <i>Status of existing openly licensed teaching, learning and research materials in Kazakhstan (national repository/website available, funding mechanism)?</i></li> <li>✓ <i>What educational materials should be obliged to be openly licensed in Kazakhstan?</i></li> <li>✓ <i>What open licensee should be adopted?</i></li> <li>✓ <i>What strategies should be developed to encourage use, re-use, and sharing of OER?</i></li> </ul> </li> </ul> <p><b>Moderator:</b> National OER Focal group</p> <ul style="list-style-type: none"> <li>• <b>Presentation of the results of group work</b> (30 min)</li> </ul> <p><b>Moderator:</b> National OER Focal group</p>
<b>16:15 – 16:30</b>	<p><b>Coffee/tea Break</b></p>
<b>16:30 – 18:30</b>	<p><b>Session 11: Institutional Capacity Building</b></p> <ul style="list-style-type: none"> <li>• <b>Group discussion and policy drafting</b> (1 hr 30 min) <ul style="list-style-type: none"> <li>✓ <i>How to reflect the use and creation of OER in ICT Competency Standard for Teachers</i></li> <li>✓ <i>Training and support to educators and teacher education institutions in developing and using OER</i></li> </ul> </li> </ul> <p><b>Moderator:</b> National OER Focal groups</p> <ul style="list-style-type: none"> <li>• <b>Presentation of the results of group work</b> (30 min)</li> </ul> <p><b>Moderator:</b> National OER Focal group</p>
<b>18:30</b>	<p><b>End of Day 2</b></p>
<p><b>13 December 2017</b></p> <p><b>Day 3</b></p>	
<b>9:00 – 9:10</b>	<p><b>Recap of Results of Day 2</b></p>
<b>9:10 – 11:00</b>	<p><b>Session 12: Refine the Draft OER Policies for Kazakhstan</b></p> <ul style="list-style-type: none"> <li>• <b>Group work to refine the OER policies</b> (1 hr 20 min)</li> </ul> <p><b>Moderator:</b> National OER Focal group</p> <ul style="list-style-type: none"> <li>• <b>Presentation and consensus of the first draft of the OER Policies for Kazakhstan</b> (30 min)</li> </ul> <p><b>Moderator:</b> National OER Focal group</p>
<b>11:00 – 11:15</b>	<p><b>Coffee/tea Break</b></p>
<b>11:15 – 13:00</b>	<p><b>Session 13: Follow-up Strategies and Work Plan</b></p> <p><i>Group Discussion and Drafting Strategies and Work Plan</i></p> <ul style="list-style-type: none"> <li>• <i>National coordinating structure for the development and monitoring of OER policies and division of responsibilities of national OER Focus Group</i></li> <li>• <i>Cost estimation and sustainable funding strategies</i></li> <li>• <i>Work plan and timetable to finalize and launch the OER Policy</i></li> <li>• <i>Institutional capacity building, including planning follow-up workshops</i></li> </ul>

	<b>Moderator:</b> National OER Focal group
<b>13:00 – 14:30</b>	<b>Lunch Break</b>
<b>14:30 – 16:15</b>	<p><b>Session 14: Follow-up Strategies and Work Plan (cont.)</b></p> <p><b>Moderator:</b> TBD</p> <ul style="list-style-type: none"> <li>• <b>Presentation and consensus of the first draft of the follow-up strategies and work plan</b> (1 hr 15 min)</li> </ul> <p><b>Presenter:</b> National OER Focal group</p> <ul style="list-style-type: none"> <li>• <b>Meeting with high-level MOE officials in charge of education and ICT in education of Kazakhstan</b> (30 min)</li> </ul>
<b>16:15 – 16:30</b>	<b>Coffee/tea Break</b>
<b>16:30 – 17:00</b>	<p><b>Session 15: Synthesis of the Workshop</b></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p> <ul style="list-style-type: none"> <li>• <b>Building Consensus on the Features of OER Policies in Kazakhstan</b> (15 min)</li> </ul> <p><b>Presenter:</b> National OER Focal group</p> <ul style="list-style-type: none"> <li>• <b>Proposed Follow-up National Activities in Kyrgyzstan, Tajikistan, and Uzbekistan</b> (15 min)</li> </ul>
<b>17:00 – 17:30</b>	<p><b>Closing Session</b></p> <p><b>Moderator:</b> Lina Benete, Education Programme Specialist, UNESCO Almaty Cluster Office</p> <p><b>Speakers:</b></p> <p>Ministry of Education and Science of the Republic of Kazakhstan</p> <p>UNESCO Almaty Cluster Office</p>
<b>17:30</b>	<b>End of Day 3</b>