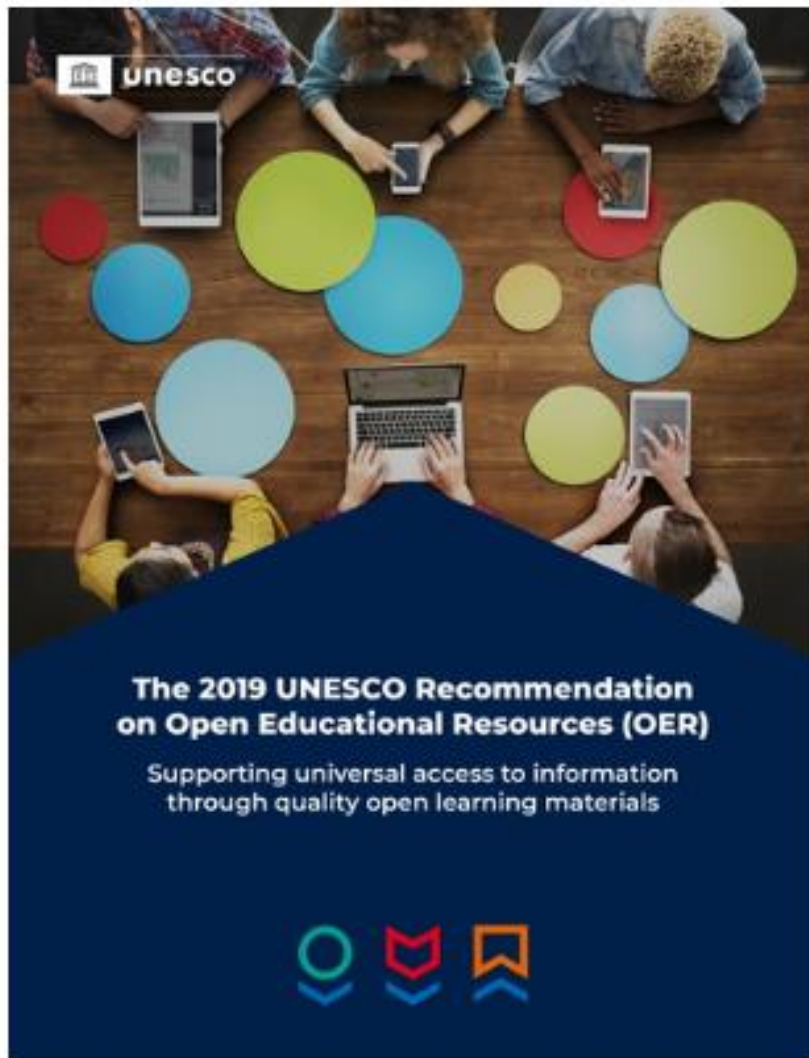




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Section for Universal Access to
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Communication and Information
Sector
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The UNESCO ICT Competency Framework for Teachers Harnessing OER Project



I. Definition and scope

1. Open Educational Resources (OER) are learning, teaching and research materials in any format and medium that reside in the public domain or are under copyright that have been released under an open license, that permit no-cost access, re-use, re-purpose, adaptation and redistribution by others.
2. Open license refers to a license that respects the intellectual property rights of the copyright owner and provides permissions granting the public the rights to access, re-use, re-purpose, adapt and redistribute educational materials.

2019 Recommendation on OER



Capacity Building

- Stakeholders understand OER's value
- Training in digital skills to create, access, adapt, share OER
- Access to open tools & platforms with clear metadata standards



Policy

- Open licensing in procurement models
- National/institutional guidelines & incentives for OER use
- Align with Open Science, Open Data policies + ensure data protection



Ensuring inclusive & equitable access to quality OER

- Promote the creation and use of OER that are inclusive, accessible, gender-sensitive, and culturally diverse.
- Public investment supports equitable infrastructure & access
- Ensure that OER meet quality standards and are relevant to learners' needs.



Sustainability Models for OER

- Encourage financial and institutional models that support long-term OER use.
- Promote public-private partnerships and community involvement.
- Support open licensing frameworks that allow reuse and adaptation



International cooperation

- Foster global, regional, and local collaboration on OER initiatives.
- Share best practices, tools, and resources across borders
- Strengthen international networks and communities of practice.

UNESCO OER Dynamic Coalition

5. Facilitating international cooperation

1. Building capacity to create access, use, adapt and redistribute OER
2. Developing supportive policy
3. Ensuring inclusive and equitable access to quality OER
4. Developing sustainability models

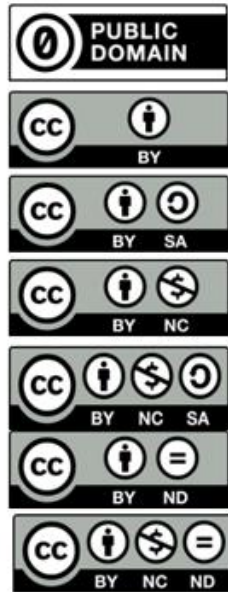
Supporting information sharing on best practices and collaboration on joint activities :

- Monthly updates on activities in the OER community
- Development of the OER DC Portal (upcoming)
- Joint projects and initiatives - e.g. translation and adaptation of the NZ Open Licensing Course for use in West Africa

most free



least free



Dr Cable Green, Director
Global Learning, Creative
Commons





UNESCO
ICT Competency Framework
for Teachers



UNESCO ICT Competency Framework for Teachers

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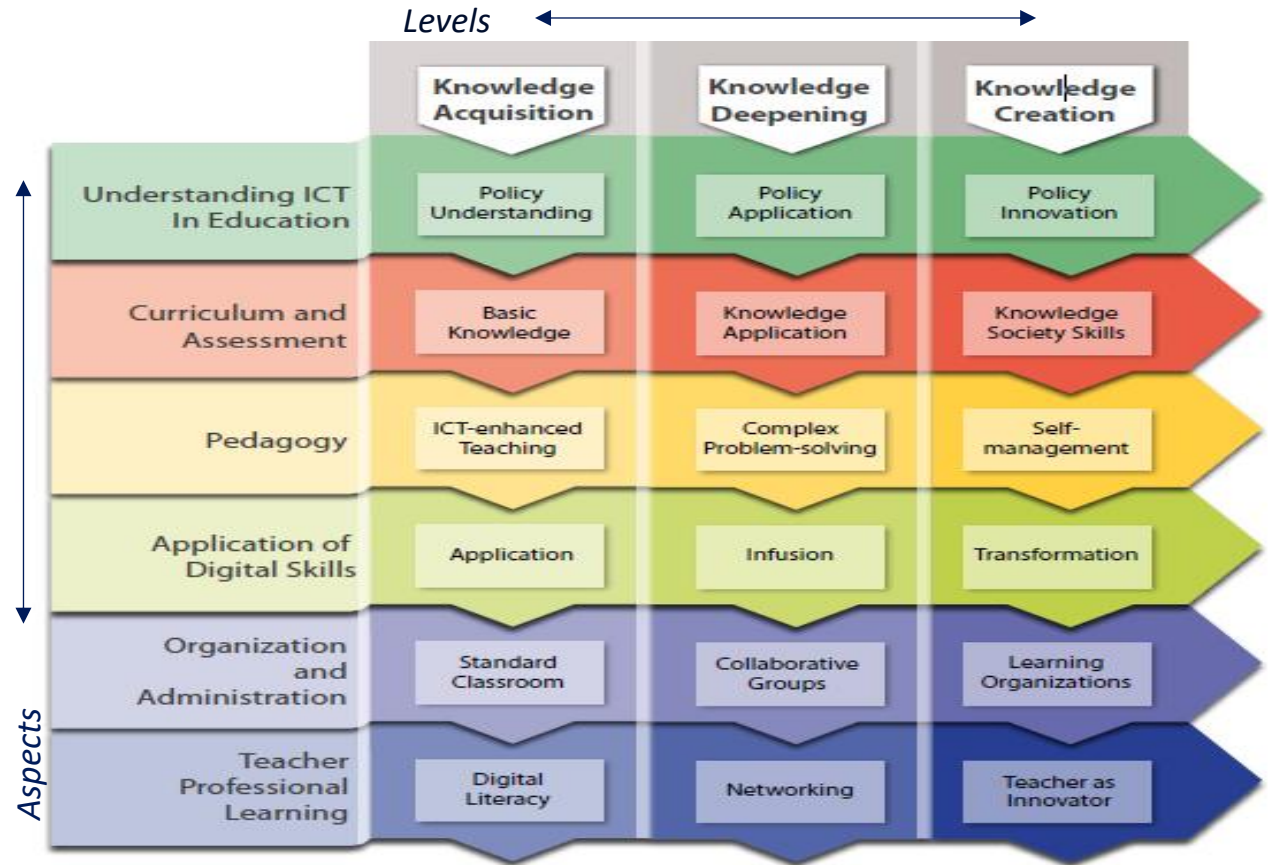
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Typesetting (interior) - UNESCO/CLD

ICT Competency Framework for Teachers (Version 3)



The main idea :

Teachers/ Instructors who have competencies to use ICT in their professional practice will be able to effectively guide the development of students'/ learners' ICT competencies.

Version 3

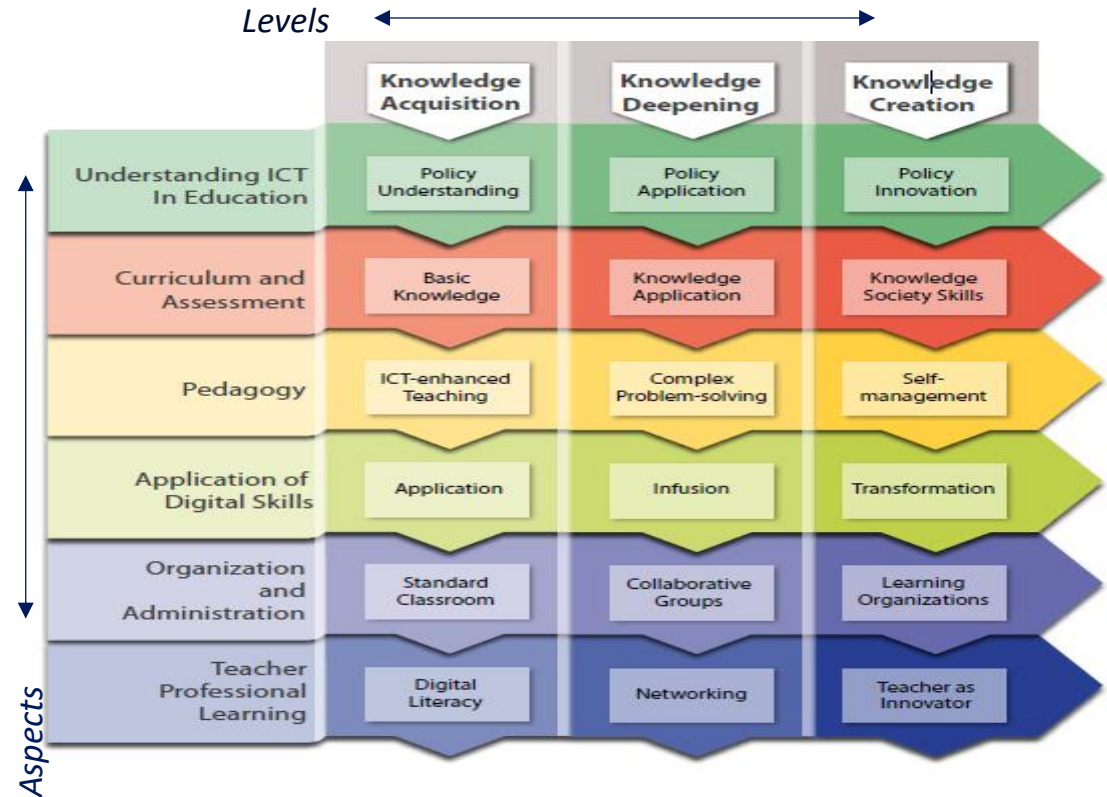
ICT Competency Framework for Teachers (Version 3)

Purpose:

Teacher/ Instructor training on the use of information and communications technology (ICT) in Education.

Target Audience:

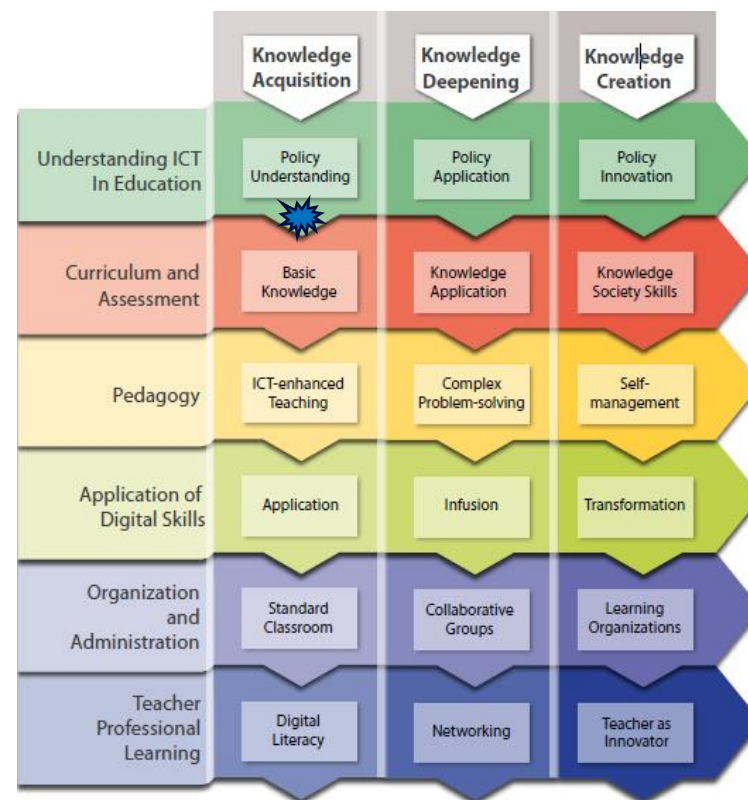
- Teacher & Instructor training personnel,
- Educational experts (formal & informal),
- Policy makers,
- Teacher & Instructor support personnel
- Other providers of professional learning.



Version 3

Knowledge Acquisition

	CURRICULAR GOALS FOR TEACHER TRAINING	TEACHER COMPETENCY (Teachers can ...)	OBJECTIVES (Teachers should be able to ...)	EXAMPLE ACTIVITIES
ASPECT 1 <i>Understanding ICT in Education Policy</i>	Policy Understanding. Teachers make connections between policy and classroom practices.	Articulate how their classroom practices correspond to and support institutional and/or national policy.	KA.1.a. Identify how policy implementation is shaping classroom practice.	Discuss institutional and/or national policies and common classroom practices. Identify those practices that support policy. Teachers identify and analyse their own classroom practices in terms of how their teaching practices contribute to policy implementation.
			KA.1.b. Identify the principles of using ICT in education in a safe and accessible manner.	Investigate the benefits, and also drawbacks, of using ICT in education. Identify appropriate ICT use to support and enhance their productivity, teaching methods, class administration and continuing professional development.
ASPECT 2 <i>Curriculum and Assessment</i>	Basic Knowledge. Teachers have a basic knowledge of the potential benefits of incorporating a range of relevant ICT resources and productivity tools into any subjects to support both teaching and learning and assessment.	Analyse curriculum standards and identify how ICT can be used pedagogically to support attainment of the standards.	KA.2.a. Match specific curriculum standards to particular software packages and computer applications and describe how these standards are supported by these applications.	Identify specific curriculum standards and identify software packages, digital tools and resources that support the attainment of these standards.
			KA.2.b. Search for and identify OER to support curriculum standards.	Search for OER, using both specialized and common search engines, and select open resources to teach specific curriculum standards.
			KA.2.c. Select ICT to support assessment strategies.	Identify how ICT can support different ways to assess students, such as portfolios, peer assessment, formative assessment and journal reflections. Teachers are introduced to dedicated e-assessment tools.





UNESCO ICT Competency Framework for Teachers

Helping countries develop comprehensive national teacher ICT competency policies and standards.



[Welcome](#) | [ICT-CFT Aligned Resource](#) | [ICT-CFT Adopters](#) | [ICT-CFT Toolkit and OER Creation tools](#)

Welcome

This hub contains collections of Open Education Resources (OER) curated by UNESCO and partner countries, which are aligned to the UNESCO ICT Competency Framework for Teachers (CFT). Here you can discover content and connect with other educators who are using Information and Communication Technology (ICT) to improve teaching practice.

The UNESCO ICT Competency Framework for Teachers (ICT-CFT) is intended to inform educational policy makers, providers of professional learning and working teachers on the role of ICT in educational reform, as well as to assist Member States in developing national ICT competency standards for teachers with an ICT in Education Master Plan approach. Details on the Framework can be found at [UNESCO ICT in Education](#).

ICT-CFT Adopters

These countries are adopting the UNESCO ICT Competency Framework for Teachers. They are using groups to organize, collaborate, and share ICT-CTF aligned resources.



Kenyan ICT CFT Course



Guyana ICT in Education for Teachers Course



Rwanda ICT Essentials for Teachers Course



TIC pour l'université de Djibouti



The Philippines ICT Competency Resources



Indonesia Rumah Belajar Untuk Semua



Formation à Distance des Enseignants du Togo



Matthew Goniwe School of Leadership & Governance



Zimbabwe ICT Essentials for Teachers



ICT CFT Morocco



Commonwealth of Learning Certificate for Teacher ICT Integration



University of Cambridge OER4Schools

https://www.oercommons.org/curated-collections/587?_hub_id=32

Collection Policy Understanding

Teachers can articulate how their classroom practices correspond to and support institutional and/or national policy.


18 affiliated resources


Search Resources


Enter your keyword(s) here

Search

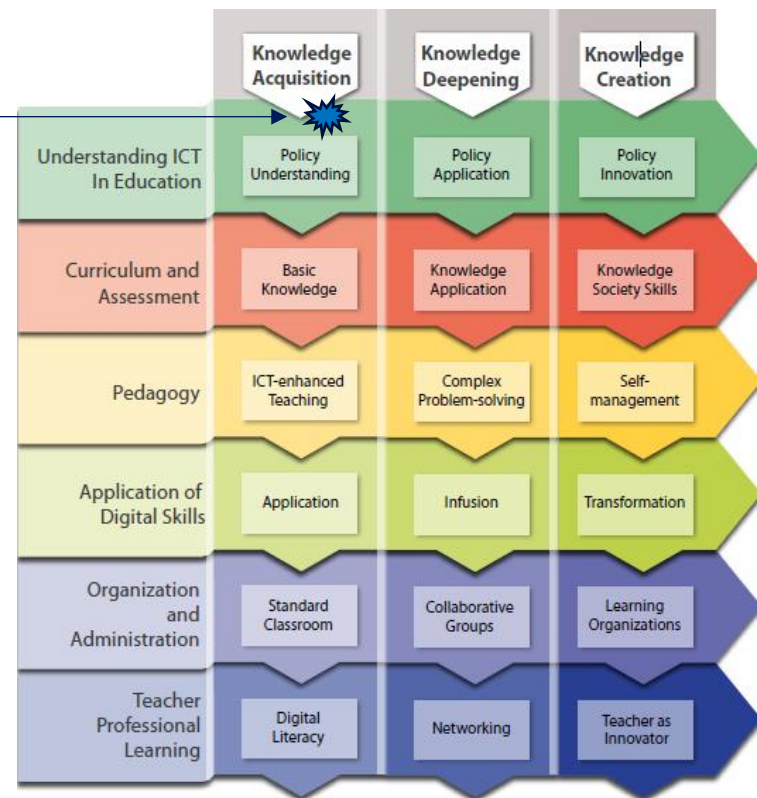
Per page 20 Sort By Title View

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The Cabinet Secretary introduces the KICTCFT Course on Vimeo
 Rating: 4.5 stars
 Welcome to Kinyanjui ICT CFT Course participants from the Cabinet Secretary, Prof. More
 Subject: Educational Technology
 Material Type: Lecture
 Author: Ministry of Education Science and Technology Kenya
 Date Added: 04/16/2020
- 

Dep. Commissioner, Simon Kavisiri for Teacher Service Commission on Vimeo
 Rating: 4.5 stars
 Simon Kavisiri introduces the KICTCFT Course on behalf of the Teacher's Service
 Subject: Educational Technology
 Material Type: Lecture
 Author: Ministry of Education Science and Technology Kenya
 Date Added: 04/16/2020
- 

ICT Essentials for Teachers Course
 Rating: 4.5 stars
 ICT
 Subject: Education
 Material Type: Full Course
 Provider: Ministry of Education (Rwanda)
 Author: Rwanda Education Board



Version 3

ICT CFT Harnessing OER Project


https: www.oercommons.org/hubs/unesco




Added Value of the OER

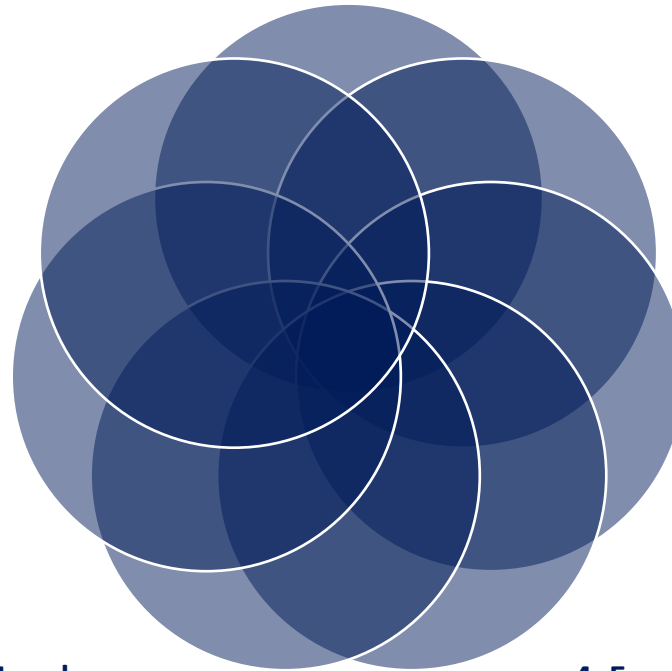


1. Global Alignment and Prestige


-  Enhanced potential for international collaborations in research and teaching.

2. Improved Access to Quality Resources


-  Access to a wide range of customizable teaching materials; ability to adapt resources to the local Qatari context and student needs.




7. Cost Efficiency and Sustainability

-  Faculty participation in cost-saving initiatives contributes to QU's social responsibility and sustainability goals.


6. Enhanced Collaboration and Networking

-  Opens doors for co-authorship, joint curriculum development, and international conference participation.

3. Innovation in Pedagogy

-  Flexibility to experiment with new teaching approaches and design student-centered learning experiences.

5. Encouragement of Local Knowledge Creation

-  Opportunity to contribute Qatari and Gulf-focused content to the global OER pool, increasing visibility of regional expertise.

4. Empowerment Through Capacity Building

-  Institutional support for professional development in digital literacy, instructional design, and open licensing (like Creative Commons).

Benefits



Enhances global engagement

Provides new teaching tools

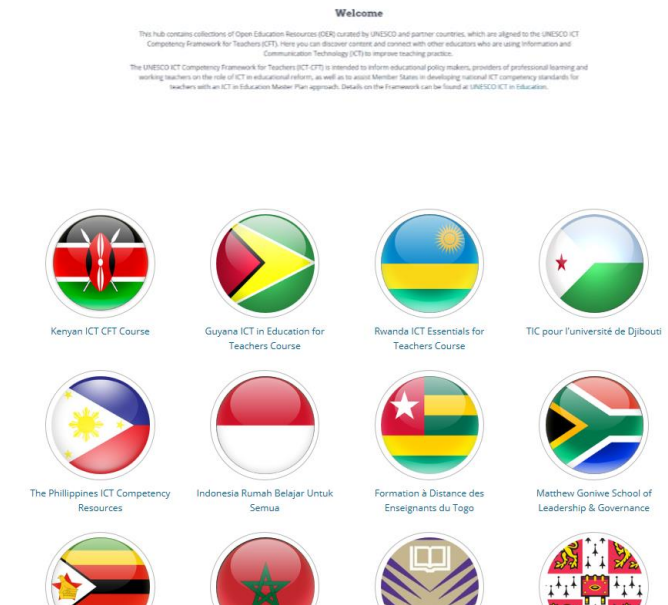
Fosters local and regional
innovation

Supports career development

Encourages open, collaborative,
and inclusive education.

ICT CFT Harnessing OER Project

https: www.oercommons.org/hubs/unesco





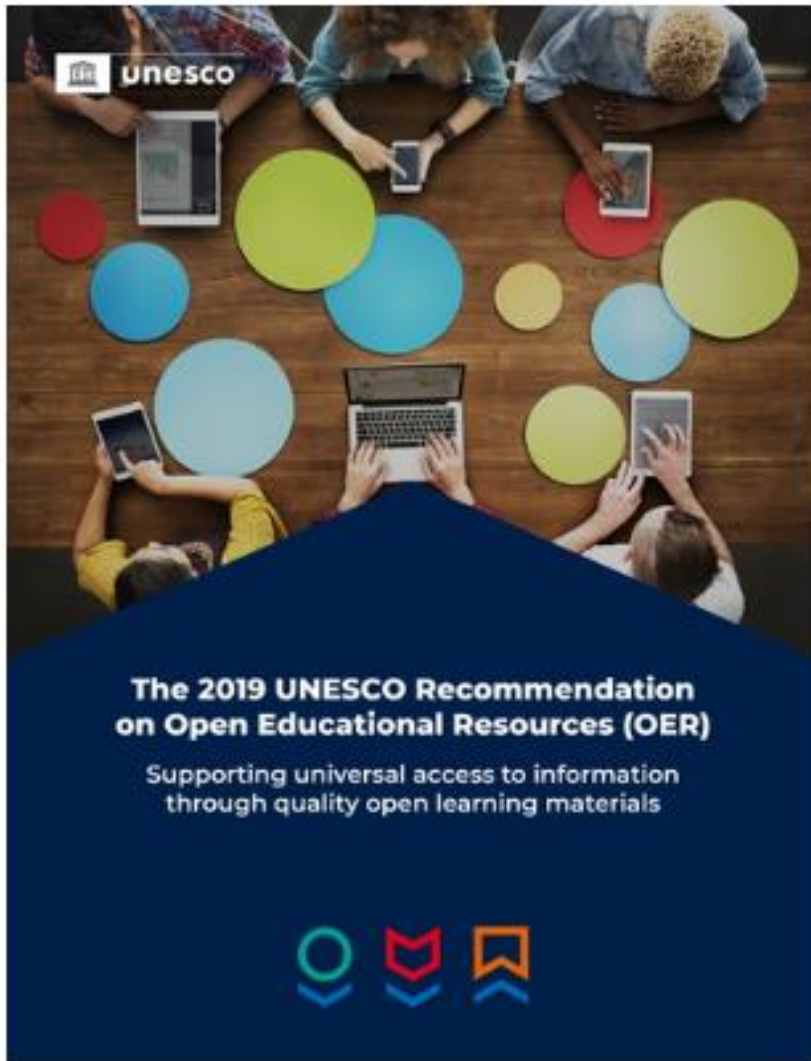
OPEN
EDUCATIONAL
RESOURCES

3rd UNESCO World OER Congress:

Open Solutions and AI for Inclusive Access to Knowledge

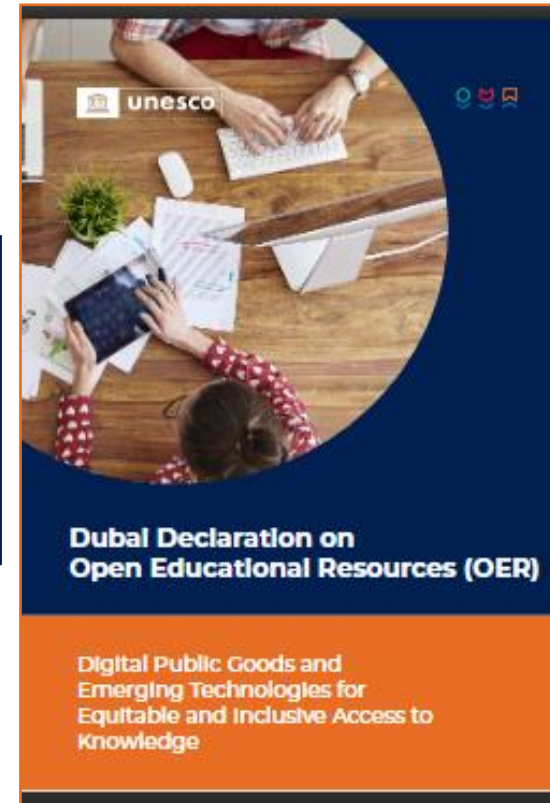
19-20 November 2024,
Dubai, United Arab Emirates





5 Areas of Action

- 1.Capacity Building
- 2.Policy Support
- 3.Inclusive Equitable Quality OER
- 4.Sustainability
- 5.International Cooperation



Dubai Declaration on OER



Capacity Building

- Professional Development for AI in OER
- Inclusive Digital Literacy for OER Stakeholders
- Improving OER Attribution and Discoverability
- Digitally Signed Works for OER
- Human Rights-Based Strategies



Policy

- Respect for Licenses in AI Platforms
- Recognition of Open Licenses in AI Training
- Machine-Readable Licenses for AI Outputs
- Research on Attribution Systems



Ensuring inclusive & equitable access to quality OER

1. AI-Enabled OER for Accessibility
2. Machine-Readable Licenses for OER
3. OER Translation and Contextualization
4. Promote Open Ecosystems for OER



Sustainability Models for OER

1. Interoperability and IPR Protection
2. Environmental Sustainability
3. Participatory Governance and Transparency
4. Promote Open Ecosystems for OER



International cooperation

1. Regional and International Networks
2. Engagement with Open Community and Legal Experts
3. Inter-Regional Cooperation on AI Frameworks
4. Authorship Recognition and AI Model Training
5. AI Platforms for OER Creation

UNESCO ROAMX Principles



Rights: Ensuring digital rights, privacy, and freedom of expression.



Openness: Promoting open access to information, data, and knowledge.



Accessibility: Ensuring inclusive digital participation for all.



Multi-stakeholder Participation: Engaging governments, private sectors, and civil society.

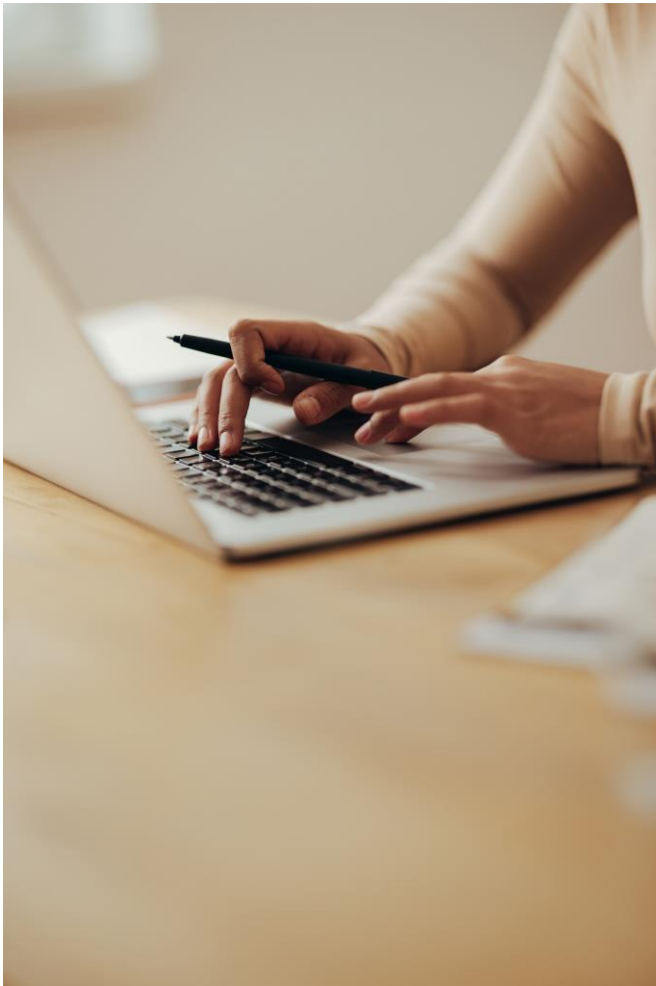


Cross-cutting Issues: Addressing ethics, gender equality, and sustainability in digital transformation.

Thank you

Zeynep Varoglu

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To join the UNESCO OER Dynamic Coalition

<https://surveys.unesco.org/163625?lang=en>

UNESCO 2019 Recommendation on OER

<https://unesdoc.unesco.org/ark:/48223/pf0000383205>

Dubai Declaration on OER:

<https://unesdoc.unesco.org/ark:/48223/pf0000392271/PDF/392271eng.pdf.multi>

UNESCO OER Dynamic Coalition Portal

<https://oerdynamiccoalition.org/>