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Global Education  
Monitoring Report

**2023**

# Concept note

# 2023 Global Education Monitoring Report

# Technology and education

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**Africa consultation meeting with GOLA! / African Brains**

Education technology: knowledge generation and creation for skills transformation

27 October 2021

Manos Antoninis, Director, Global Education Monitoring Report

[en.unesco.org/gem-report](https://en.unesco.org/gem-report)

# GEM Report role in SDG 4 follow up and review

Editorially independent team based at UNESCO since 2002 with extended mandate in the 2015 Incheon Declaration to:

Monitoring part  
*'be the mechanism for monitoring and reporting on SDG 4 and on education in the other SDGs'*



Thematic part  
*'report on the implementation of national and international strategies to help hold all relevant partners to account for their commitments'*



# Previous GEM Report themes

2016	Education and the SDGs	Sep 2016
2017/8	Accountability	Oct 2017
2019	Migration and displacement	Nov 2018
2020	Inclusion	Jun 2020
2021/2	Non-state actors	Dec 2021
2023	Technology	Apr 2023
2024	Leadership	Jun 2024



# 2023 GEM Report approach

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## Context

- ▶ Technology and SDG 4
- ▶ Covid-19 and the role of technology
- ▶ Technology in education divides

## Focus

- ▶ Key education challenges and technology
- ▶ Minimum conditions for technology to support education
- ▶ Other technologies outside ICT

Concept note for the  
**2023 Global Education  
Monitoring Report**  
on technology and  
education



# Framework (1): Challenges

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## What is the education we want? Can technology help?

### 1. Access, equity and inclusion

*Access for disadvantaged groups:* Hard-to-reach learners

*Access to content:* As much in as attractive and cheap formats

### 2. Quality

*Basic skills:* Transform pedagogy, engage students, improve learning

*Digital skills:* Provide new skills that technology demands

### 3. Technology development

How can education systems support technological development?

### 4. System management

How to make assessment and other education management data more relevant and widely used?



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# Framework (2): Minimum conditions

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## What conditions to be met for technology to support education?

How can education systems:

### 1. Access to technology

...ensure that all learners have access to technology resources?

### 2. Governance and regulation

...protect learners from the risks of technology?

### 3. Teacher preparation

...support all teachers to teach, use and deal with technology?



# Overarching questions

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- ▶ **Basic skills:** transform pedagogy to engage students, improve learning: technology for learner-centred education
- ▶ **Digital skills:** ensure education systems provide the new skills that technology demands: safety, privacy, screen time, well-being
- ▶ **Curricula:** enable use of technology when reforming curricula and designing learning materials
- ▶ **Content:** determine specifications for online resources that meet national standards and are age appropriate
- ▶ **Policy:** develop comprehensive online and ICT for education policy frameworks



# Next steps

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Online consultation

What do you think should this report cover?

**Send your comments and recommendations!**

New chapter of **PEER** country profiles

**[www.education-profiles.org](http://www.education-profiles.org)**





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Download the 2023 GEM Report concept note  
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<https://en.unesco.org/gem-report/2023/technology>

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