



CONCEPT NOTES
SESSION 13

FEBRUARY 2024

2024 CONFERENCE ON
EDUCATION DATA
AND STATISTICS

SESSION 13 (A) - ROLE OF TECHNOLOGY IN EDUCATION DATA PRODUCTION

Friday February 09, 2024, 13:30 PM-14:30 PM CET

The first UNESCO Conference on Education Data and Statistics will bring Member States, regional statistical agencies and organizations, experts, and representatives from international organizations to discuss and reach consensus on definitions, methodologies, and operational aspects of indicator measurement in the form of recommendations for adoption as international standards.

The conference will have two devoted sessions to debate the impact on technology on education statistics and ways in which the community of education statisticians can benefit from opportunities and address challenges.

Objectives:

The relentless pace of digital technology development; the rapid expansion of generated data; and the advent of artificial intelligence tools are changing the education monitoring landscape and have potential implications that are yet to be mapped or discussed at a global scale. This first session focusing on technology and data for the future will discuss future-oriented issues that affect the education community, with a particular focus on the role of technology in education data production.

The session will:

- 1.** Introduce the work from different organizations who are using technology in education data production.
- 2.** Discuss the opportunities and challenges of the use of technology on education statistics and future-oriented issues that may affect the education statistics community.
- 3.** Discuss the implications, rules, and protocols for the use of big data in education statistics and the potential of artificial intelligence for the generation of policy-oriented SDG 4 indicators.

Format:

Each speaker will be invited to intervene twice in the session. First, to present how their organization is using technology and big data in education data production, second to discuss the challenges and opportunities for the use of technology in this area. They will have 4 minutes for each intervention.

We request speakers to limit the number of PPT slides to three and to make use of the PPT template provided.

Timetable:

Time	Item	Presenter / Speaker
5 mins	Introduction by moderator	Moderator
25 mins	Presentation of how different organizations will use technology and big data to improve education data production	All speakers
25 mins	Interactive discussion on the challenges and opportunities of the use of technology, big data, and artificial intelligence	All speakers
5 mins	Wrap up and closing	Moderator

SESSION 13 (B) - TECHNOLOGY PANEL/MEMBER STATES

Friday February 09, 2024, 14:30 PM-15:30 PM CET

The first UNESCO Conference on Education Data and Statistics will bring Member States, regional statistical agencies and organizations, experts, and representatives from international organizations to discuss and reach consensus on definitions, methodologies, and operational aspects of indicator measurement in the form of recommendations for adoption as international standards.

The conference will have two devoted sessions to debate the impact on technology on education statistics and ways in which the community of education statisticians can benefit from opportunities and address challenges.

Objectives:

The relentless pace of digital technology development; the rapid expansion of generated data; and the advent of artificial intelligence tools are changing the education monitoring landscape and have potential implications that are yet to be mapped or discussed at a global scale. This second session focusing on technology and data for the future will discuss future-oriented issues that affect the education community, with a particular focus on how different countries are using technology in education data production.

The session will:

- 1.** Introduce the work from different countries who are using technology in education data production.
- 2.** Discuss the opportunities and challenges of the use of technology on education statistics and future-oriented issues that may affect the education statistics community.
- 3.** Discuss the implications, rules, and protocols for the use of big data in education statistics and the potential of artificial intelligence for the generation of policy-oriented SDG 4 indicators.

Format:

The session will begin with a keynote presentation (tbc).

After this, each country representative will be invited to intervene during 6 minute inputs to present how they intend to use technology and big data in education data production and the challenges and opportunities that they intend to try and address.

While PPT slides are welcome we request speakers to limit the number to three slides and to make use of the PPT template provided by the organizers.

Timetable:

Moderator: TBC		
Time	Item	Presenter / Speaker
3 mins	Introduction by moderator	Moderator
15 mins	Keynote speech	To be confirmed
40 mins	Interactive discussion with country representatives on the challenges and opportunities of the use of technology, big data, and artificial intelligence in	All speakers
2 mins	Wrap up and closing	Moderator