

# TIMSS 2023 Longitudinal (TIMSS-L) Progress Report

Matthias von Davier & Ann Kennedy

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# TIMSS-L Study

- The TIMSS Longitudinal Study provides a measure of average learning gains over the course of a school year that can be used to contextualize achievement differences across countries and gaps within countries
- Learning gains will be measured on the well-known TIMSS achievement scales for mathematics and science
- The TIMSS 2023 4<sup>th</sup> and 8<sup>th</sup> grade students constitute the baseline and will be assessed again one year later in 5<sup>th</sup> and 9<sup>th</sup> grade, respectively

# TIMSS-L Participating Countries

Georgia (Grades 4 and 8)

Italy (Grade 4)

Jordan (Grades 4 and 8)

Korea (Grades 4 and 8)

North Macedonia (Grade 4)

Slovenia (Grade 4)

Sweden (Grades 4 and 8)

# TIMSS-L Study Design

- The fully digital TIMSS assessment will also be used in 2024, using the same test delivery platform
- The group adaptive design introduced in TIMSS 2023 provides the flexibility to cater to the ability level of the higher grade levels tested in 2024
  - The same item pool as in TIMSS 2023 will be used but a higher proportion of more difficult booklets will be allocated for the second measurement in 2024, as appropriate

# Contexts of Student Achievement and Achievement Gains over Time

- Slightly adapted international context questionnaires as in T23 will be used in the second measurement occasion in 2024
- Unnecessary repetitions will be avoided, some questions therefore will be dropped
- Necessary adaptations will be made to ensure the questions asked in context instruments apply and are appropriate for a repeated presentation in 2024
- Few additional new questions will be added to gather information relevant for contextualizing learning gains

# Administration Procedures for TIMSS-L

- A short survey was sent to countries to learn what mechanisms are in place for tracking students from 2023 to 2024
  - Countries reported that most students are expected to stay in the same school in 2024 as in 2023, only a few students are expected to change schools
- Guidelines for student tracking and questionnaire administration were shared with participating countries
  - Assessing students who moved to a different school is optional; school and home questionnaires do not have to be administered in those cases

# TIMSS-L Activities and Milestones

- Meetings with NRCs
  - Online information session for interested participants to review project goals and answer questions about administration schedules and student tracking (Dec 2022)
  - Project overview, student tracking preparations (Session in TIMSS 2023 6<sup>th</sup> NRC Meeting, Mar 2023)
  - Project timeline, data management, sampling preparations, and context questionnaire review (Apr 2023)
- Meetings with TIMSS-L Questionnaire Item Review Committee (QIRC)
  - QIRC meeting to discuss potential revisions to TIMSS 2023 questionnaires for TIMSS-L (Apr 2023)

# TIMSS 2023 Longitudinal Project Timeline

Task	Timeline
TIMSS 2023 data collection, <b>recruit</b> TIMSS 2023 sample for repeated measure (NH)	March – June 2023
TIMSS 2023 data collection, <b>recruit</b> TIMSS 2023 sample for repeated measure (SH)	September – December 2023
Sampling preparations for repeated measure (NH)	March 2023 – June 2024
Sampling preparations for repeated measure (SH)	September 2023 – December 2024
Preparation of WinW3s Databases	December 2023 – January 2024
Scoring training for TIMSS Longitudinal countries (virtual)	February – March 2024
<b>Reassess</b> TIMSS 2023 students one year later (NH)	<b>March – June 2024</b>
<b>Reassess</b> TIMSS 2023 students one year later (SH)	<b>September – December 2024</b>
Analysis, Country Review, and Reporting	January 2025 – December 2025



# Summary

- TIMSS-L is an exciting (while optional) extension to TIMSS 2023 administration with data collection in 2024
- This study is expected to provide important information about student achievement gains over the course of one year
- Allows for new opportunities to examine contextual factors that are associated with learning and achievement gains

# Contacts

If you have questions about TIMSS-L, please ask us now, or in the break.

After the meeting, drop us an email, or contact the project manager at the TIMSS & PIRLS International Study Center:

- Lale Khorramdel (TIMSS-L\_2023@bc.edu)

# Thank You!

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