



Researching education, improving learning

Strengths of TIMSS

September 7, 2017

Moscow

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TIMSS evolution

TIMSS is **grade based and curriculum rooted**.

TIMSS considers the inputs, processes and outcomes of education and draw on the notion of “opportunity to learn” in order to understand the linkages between:

- The **intended curriculum** (**what policy requires**);
- The **implemented curriculum** (**what is taught in schools**); and
- The **achieved curriculum** (**what students learn**).

TIMSS follows the developments within the field of **education and its context** (remaining true to the educational reality).

Briefly on eTIMSS (video)

VIDEO on eTIMSS

Impact and challenges

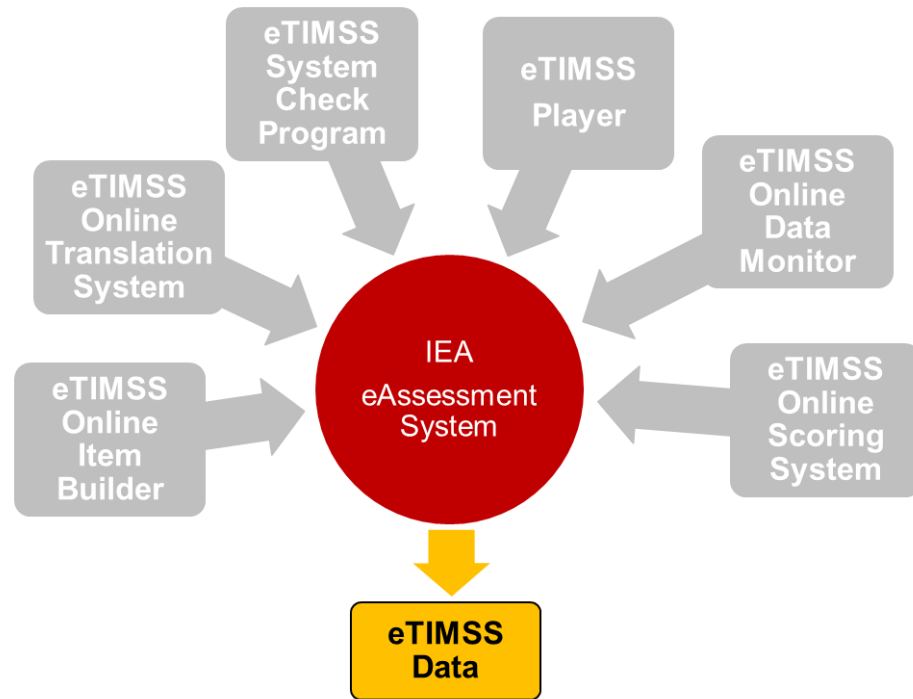
- Enhancing framework coverage (PSIs – Problem Solving Items using the IT potentials)
- Making testing more attractive and enjoyable for participants
- Streamlining assessment procedures
- Improving data quality assurance and tracking
- Item development more demanding (time consuming and expensive)
- Higher time pace and demands on capacity, professionalism and equipment of national research coordinators (NRCs) and other experts

Global collaboration

- (e)TIMSS is a research project, not a competition!
- NRCs and other experts from participating countries contribute to make it valid across different contexts. This includes:
 1. Framework reviews;
 2. Item development and reviews;
 3. Technical specifications and requests for IT developments;
 4. Survey operations improvement; and
 5. Reporting and communication.

Data

- Online 'assembly' line from the international source to the international database includes:



- All eTIMSS data will be matched to all other TIMSS databases (DME, WinW3S, ...)
- Assuring QUALITY DATA for all involved countries

Trends

- Careful piloting and field testing included **TIMSS 2019 Pilot study** earlier this year

Including:

- 1) securing school cooperation;
 - 2) selecting devices (computers or tablets) for the Pilot;
 - 3) preparing the trend items from 2015 for e-administration;
 - 4) preparing and printing the paper booklets; and
 - 5) scoring and data entry.
- Carrying on **beyond the 20 years** of trends!!!

Thank you!

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