



# IEA Hamburg Developments

Juliane Hencke  
Director IEA Hamburg

*67<sup>th</sup> IEA General Assembly  
07 October 2026, Warsaw*



# What have we been working on?

## *A busy year across IEA Hamburg's study portfolio*

| International IEA studies                                                                                                                                                                                                                                                                                                                                                                                                                                                        | International non-IEA studies                                                           | National studies                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  PIRLS 2026 Main Study<br> TIMSS 2027 Field Test → Main Study<br> ICCS 2027 Field Trial → Main Study<br> ICILS 2028 Field Trial Preparations | TALIS+<br>PIAAC Cycle 2 Round 2<br>PISA 2029 Sampling<br>SIMCE quality standards<br>... | PIRLS Germany (IGLU)<br>TIMSS Germany<br>ICCS Germany<br>ICILS Germany<br>StarS<br>Evaluation Startchancen<br>Safe!<br>... |
| <b>Completed studies</b><br>TIMSS Longitudinal • TALIS 2024 • IELS 2024 • PASEC • PISA 2025 Germany • IQB-Bildungstrend 2024, ...                                                                                                                                                                                                                                                                                                                                                |                                                                                         |                                                                                                                            |

# Safe! – A different kind of large-scale study

*First nationwide representative study of adolescents' experiences of violence in Germany*

## The study at a glance

**~10,000**  
students

Grade 9 students in a nationwide representative study

**~300**  
schools

Participating schools

**Fully**  
anonymous

Online survey using students' own digital devices



Flyer for participating students

## What makes Safe! different

### Anonymous by design

Individual survey responses cannot be traced back to students—a central requirement for this sensitive topic.

### Support built in

Professional counselling is available during and after the survey; an external counsellor is present at each school on data-collection day.

## IEA Hamburg's role

Sampling • Online survey & hosting • School communication •  
Test administrator training and coordination

## Current status

School recruitment and test administrators' training underway

**Fieldwork 5 October 2026 - January 2027**

# Research from Hamburg

*RandA: Using IEA data to answer substantive and methodological questions*

**20**  
Publications

## Research Topics

Student Exclusions • Achievement Growth •  
Teaching Quality • School Climate • Curriculum  
Coverage • Reading Behavior • Civic Participation •  
Digital Engagement • Measurement Invariance •  
Sampling & Participation

**31**  
Conference  
contributions

## Workshop Topics

Multilevel modelling in R • Secondary analysis of  
ILSA data • Working with TIMSS-L data • Digital  
divide with ICILS • IRT • Report Writing

**6**  
Workshops



# Sharing expertise beyond our studies

*Training, capacity development, and support for stronger assessment systems*

## Supporting IEA participation

Intensive support for new country teams joining IEA studies

## Building our engagement



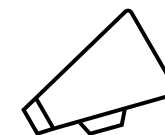
### Develop Opportunities

Submit proposals for national assessment support



### Build Relationships

Connecting IEA expertise with international and regional partners



### Increase Visibility

Making IEA expertise and LaNA visible to countries and assessment communities



## 2026 LMIC Task Force

Clarifying where IEA can add value and engage sustainably

# Modernizing the systems behind our studies

*Long-planned developments are now becoming part of real study operations*

## StudyExpert

- Instrument preparation and national adaptations
- Data collection
- Increasingly used across IEA studies

### Used in:

- Questionnaires: all IEA studies
- Assessment: ICCS, ICILS

## OSE International

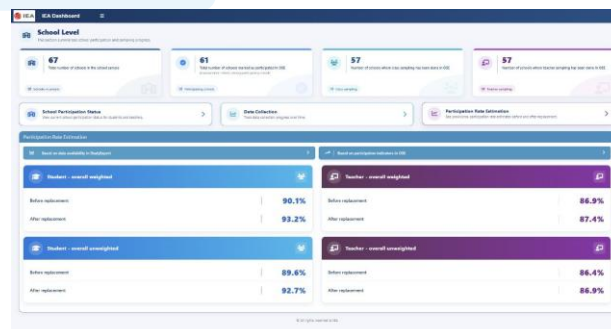
- Class selection and administration of school samples
- Tracking of test implementation and participation

Used in: ICILS, PISA 2029

## R-based data processing

- Uses the information collected in StudyExpert and OSE
- Shorter runtimes and more flexibility for study teams

Used in: ICCS, TIMSS



Screenshot from OSE Dashboard

# Harmonization – from identification to implementation

*Reducing unnecessary differences—discussing new developments before new differences emerge*

## Harmonizing existing differences

- Data processing: Consistency checks aligned across studies
- Inclusion & exclusions: Common definitions agreed for implementation across studies
- Survey operations: Modular School Coordinator Manual approach being tested with ICILS and OSE

## Discussing innovations early

- AI & digital assessments: Share emerging developments, risks and possible responses
- Accessibility: Learn across studies as expectations and approaches evolve
- New methods & approaches: Discuss planned developments before implementation

Identify

2024

Where do studies differ?

Align

2025

Where does harmonization add value?

Implement & anticipate

2026

Put into practice and discuss what comes next

# AI & how we work

## *Moving from guidance towards responsible use*

**Clear boundaries**

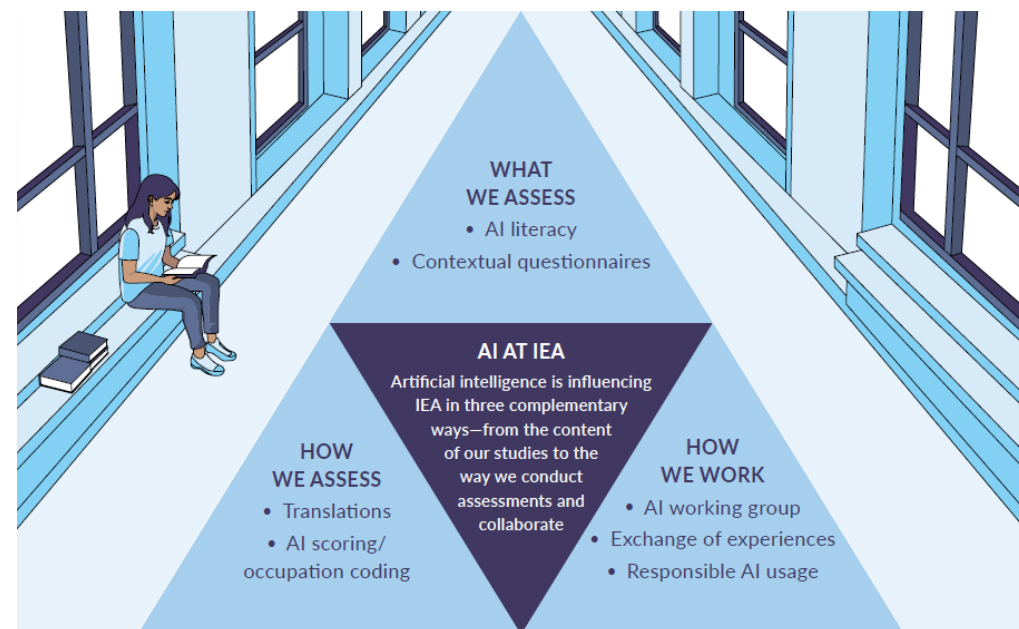
Internal guidance and  
governance for responsible  
use

**Building confidence**

Training, exchange, and shared  
learning across teams

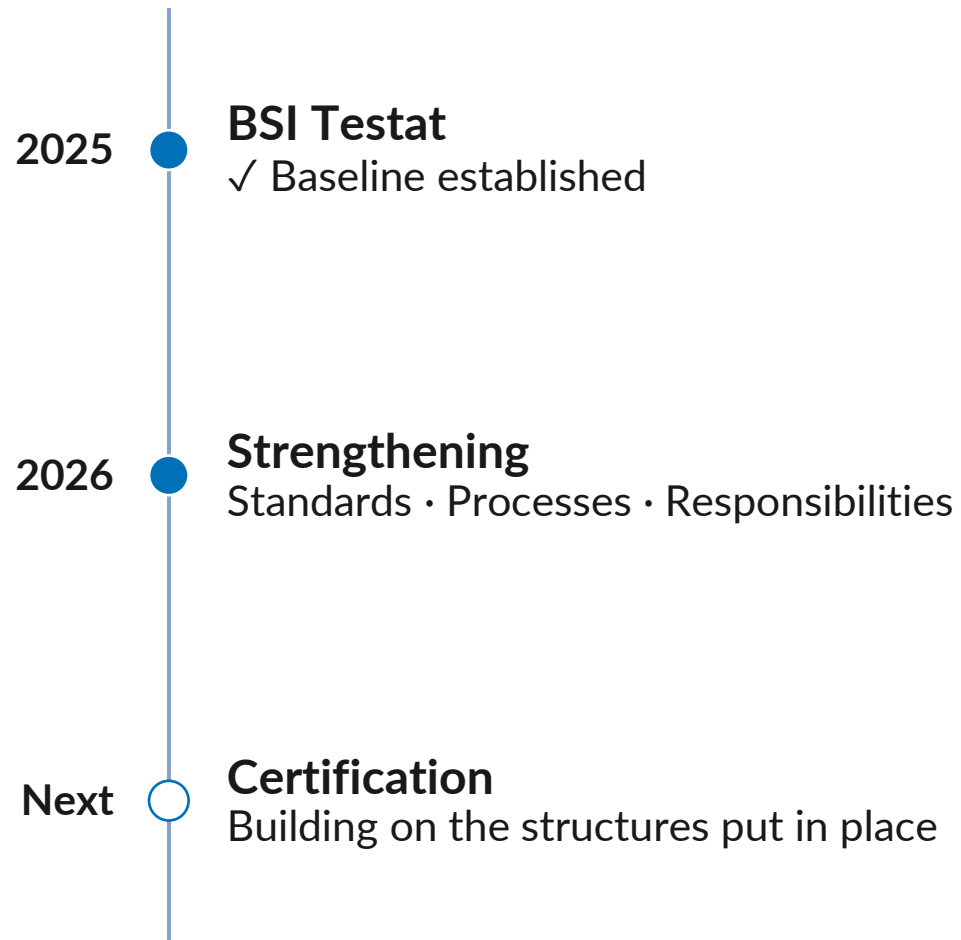
**Exploring practical use**

Testing where AI can support  
our work—with human  
judgement and clear  
responsibilities



# Strengthening information security

*From established standards towards certification*



# Looking ahead

## *Our priorities for 2027*

### DELIVER

**PIRLS • TIMSS • ICCS • ICILS • non-IEA studies, national studies**  
Processing and analysis • Main Studies • Field Test

### PURSUE

**TALIS 2030 • LaNA**  
Applications to upcoming CfTs • New country administrations

### SCALE

**StudyExpert • OSE International • R-based processing**  
Further roll-out and implementation across studies

### STRENGTHEN

**AI • Information security**  
Practical responsible use • Continue the path towards certification



# Thank you!

[Juliane.Hencke@iea-hamburg.de](mailto:Juliane.Hencke@iea-hamburg.de)

*Hosted by*



EDUCATIONAL  
RESEARCH INSTITUTE  
National Research Institute

