

ICILS 2023 Progress Report

Julian Fraillon

IEA General Assembly 63 – Split, Croatia



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Contents

- Country participation and interest
- The ICILS 2023 field trial
 - Issues and responses
 - Current status
- Main survey preparation and next steps

Country participation and interest

32 countries/education systems confirmed

Austria, Azerbaijan, **Belgium (Flemish)**, Bosnia and Herzegovina, **Chinese Taipei**, **Croatia**, **Czech Republic**, **Denmark**, **Finland**, **France**, **Germany**, **Germany (North Rhine Westphalia)**, Greece, Hungary, **Italy**, Kazakhstan, Kosovo, **Latvia**, **Luxembourg**, **Malta**, **Netherlands**, **Norway**, Oman, **Portugal**, **Republic of Korea**, Romania, **Russian Federation (Moscow)**, **Serbia**, **Slovak Republic**, **Slovenia**, Spain, **Sweden**, **United States** and **Uruguay**

4 countries/education systems at different stages of participation but not yet formalized

Brazil, Chile, Cyprus, and United Arab Emirates

Countries in **bold** (25) are completing both CIL and CT



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Field trial instruments and instrument preparation

(September 2021 to May 2022)

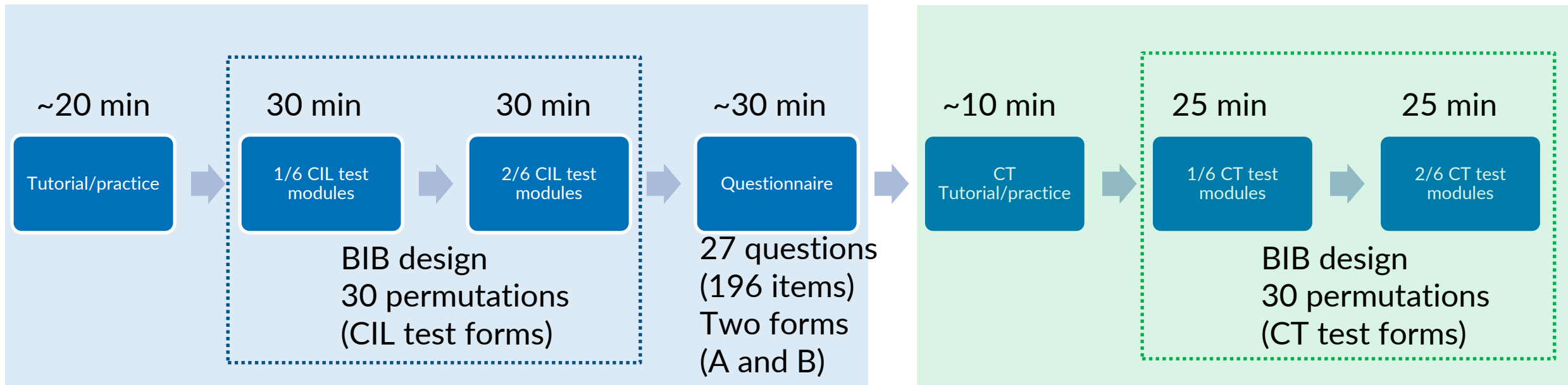
Student instruments

- Prepared and delivered using RM Assessment Master

CIL (core)

Break (15-45min)

CT (option)



- 3 trend and 3 new modules
- 60 CIL only test booklets

- 2 trend and 4 new modules
- 60 CIL + CT test booklets

Adult questionnaires

- Prepared and delivered using IEA Online Survey System (OSS)
- Teacher: 27 questions, 286 items trialled across two alternative forms (including alternative formats of common content)
- ICT Coordinator: 24 questions, 129 items (one form)
- Principal: 27 questions, 150 items (one form)

Summary of field trial issues

- Rolling delays
 - Delivery of field trial student instruments for translation/adaptation
 - Resolution of layout verification issues
 - Delivery of ‘player’ software to be used in student data collection
 - Delivery of AM marker (including ISCO coding)
 - Slowness of release of corrections to problems (on weekends only)
 - Release of student data by RM
- Defects in AM content delivery
 - Student tasks not functioning as intended
 - Instability of system with issues “reappearing” or new issues being introduced
 - Problems of AM system load and performance
 - Issues with data saving, scoring accuracy and data structure in exports from RM
- Unreliable communication from RM about issues and resolution times
- Consequent issues associated with ISC staff resourcing and capacity to engage in planned processes

Responses to field trial challenges

- ICILS SharePoint site updated regularly (as soon as we received information) to keep NRCs informed of progress
- ISC team engaged in daily and extensive problem solving with countries and RM
- ISC Requested in late 2021 that countries reconsider their data collection windows and test as late as is possible for them in the 2022/2023 school year
- Layout verification requests classified by International Study Center according to priority (level of impact on student responses)
 - RM able to address issues that would otherwise compromise students' capacity to respond to tasks
- 'Staged' scoring and occupation coding exercises in some countries



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Field trial – current status

Field trial - successes

- Data from 29 countries
 - > 20,000 students
 - > 7800 teachers
 - > 580 ICT coordinators
 - > 600 principals

Work space: 14

```

for each pixel in grid and cell in table
  if pixel in security_pixel_grid = pixel in test_pixel_grid
  do set cell in table to T
  else set cell in table to F
if T Count ≥ 64
do print Match
else print No Match
  
```

Security pixel grid Sam

Test pixel grid 1 Sam

Test pixel grid 2 Alice

Pixel comparison table

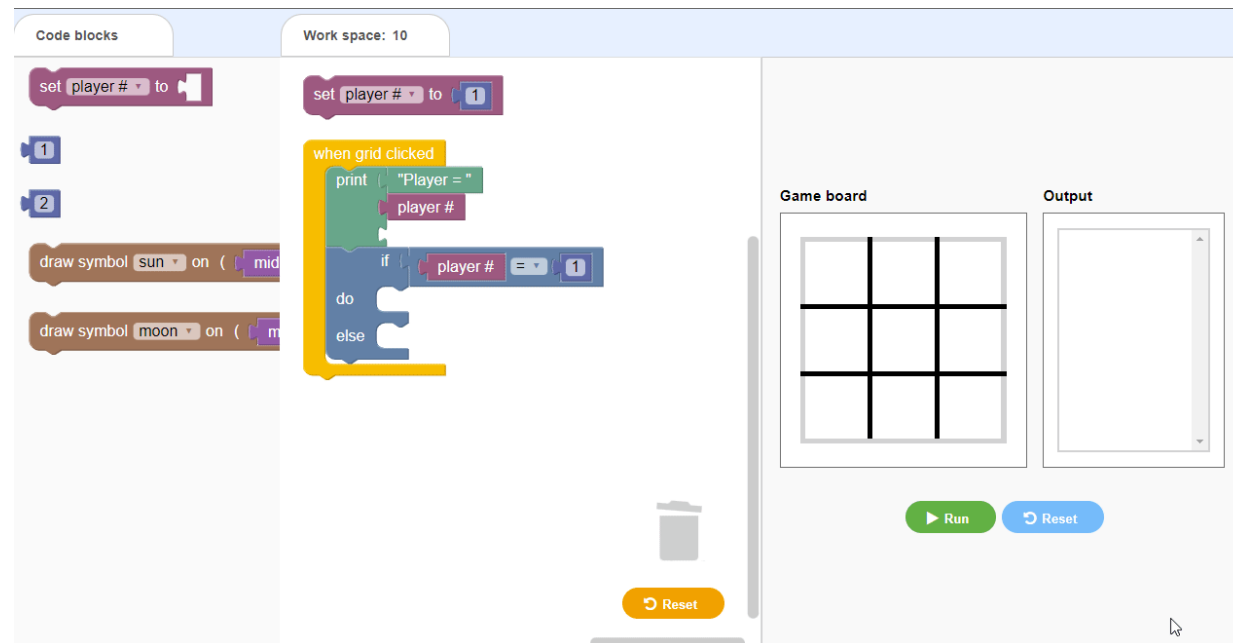
T count:
F count:

Output

Reset Run Reset

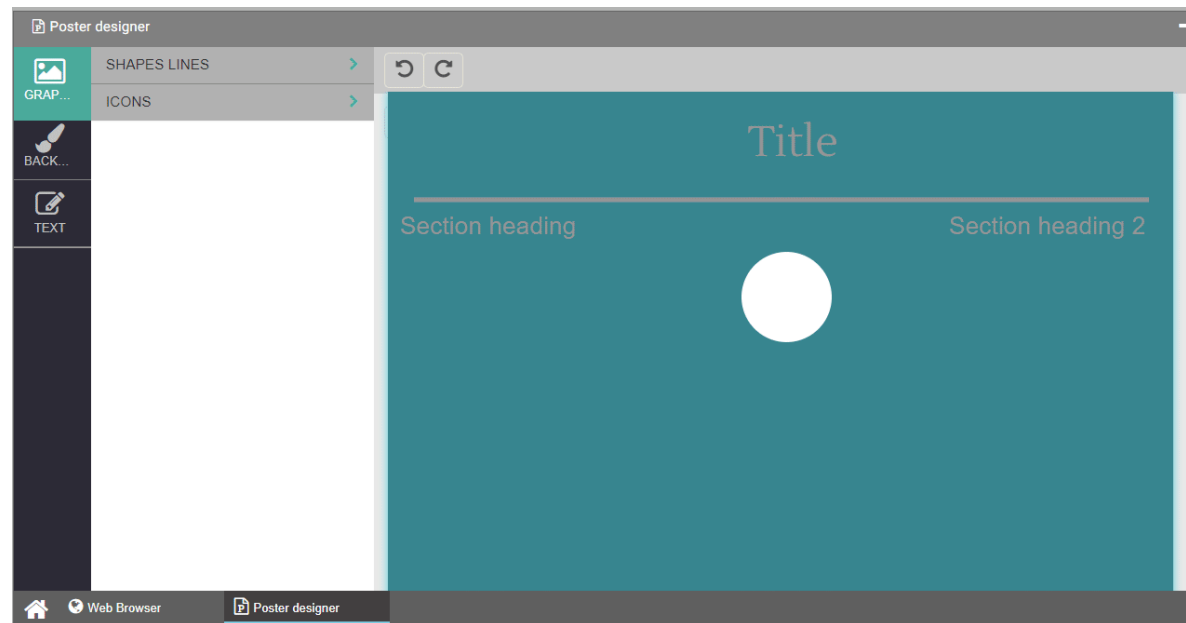
Field trial successes

- Largely due to the extraordinary goodwill, understanding, patience and flexibility of national center staff
- Also due to the tireless work of ISC staff and to the perseverance of RM staff



Field trial successes

- Data analyzed, international and national field trial reports presented to the fourth meeting of ICILS NRCs (Hamburg, 19 to 23 September)
- Decisions made regarding the content of the ICILS main survey instruments





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Main survey preparation

Changes in project administration (RM)

- New project management structure
 - Including daily meetings with study director
- Capacity to release software fixes directly into production (rather than waiting for scheduled release cycle)
- Protection of ICILS delivery from other RM projects

Changes in project administration (ISC)

- Increased staffing
- Separate workflow of National Adaptation Forms for adult and student instruments
- ISC to complete structural adaptations for student questionnaires in AM system rather than relying on RM
- Introduction of preliminary layout verification using field trial sources to identify and resolve issues as early as possible

Preparedness for main survey

- All potential MS student material already used in the field trial except one trend module
 - The trend module is already also developed and finalized in AM
 - Field trial translations to be used as basis for main survey translations (instruments released on November 8th, 2022)
 - Expectation of relatively few layout verification issues for main survey (as all but a few known issues have been resolved for the field trial translations)
- Teacher, ICT-coordinator and principal questionnaires again to be prepared and delivered using IEA OSS

Preparedness for main survey (cont.)

- Extensive functional testing has continued following the field trial with further issues resolved
- Northern hemisphere countries asked to begin data collection as late as possible in the 2022/2023 school year
 - Negotiations ongoing with countries

Next steps

- Finalization of main survey instruments – October 2022
- Main survey instrument release – 8 November 2022
- Main survey field operations training (NH) – 21 to 23 November 2022 (virtual)
- Main survey scorer training (NH) – March/April 2023 (in person)
- Main survey data collection (NH) – March to July 2023
- Main survey field operations training (SH) – June 2023
- Main survey data collection (SH) – September to November 2023



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Thank you

Questions?

