ASSESSMENT BLUEPRINT

10TH MEETING OF THE GLOBAL ALLIANCE TO MONITOR LEARNING (GAML)

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CONTENT

• Background

• Harmonization initiatives

• An Assessment Blueprint

• Discussion
In the context of SDG4, gaining an insight into the areas where progress has been achieved and those where further improvements are needed is critical...

**BUT** challenging because the discussion on how to monitor and measure learning outcomes and skills is ongoing in nature.

Current issues include:

- a narrow vs a broad scope of learning measurement
- global vs national goals and targets
- measurement of learning for all children vs those in schools
- top-down vs bottom-up implementation
HARMONIZATION INITIATIVES

MAKING DATA COMPARABLE
MAKING THE DATA COMPARABLE

- Considering the limitations, different solutions have been suggested to obtain data that can be used to measure and monitor, for example, SDG 4.1.1.

- **Rosetta Stone** uses psychometric methods to link regional assessments (e.g., ERCE, PASEC) to international assessments (e.g., TIMSS, PIRLS). Potentially applicable to national assessments too.

- **Policy Linking** is a non-statistical method that uses judgment to align and match items from the national assessment with the Global Proficiency Framework (GPF).

- **Assessments for Minimum Proficiency Levels (AMPLs)** are tools targeted at measuring the attainment of a single proficiency level for reading and mathematics at a given level of the education cycle.

- **Pairwise Comparison Method**: is a systematic approach to ranking or selecting from a group of alternatives by comparing them against each other in pairs.
AN ASSESSMENT BLUEPRINT

ESSENTIAL BUILDING BLOCKS
The ideal strategy would be the creation and systematic maintenance of a harmonized international dataset, that provides longitudinal indicators of educational achievement at the country level.

This harmonized dataset would include indicators from national, global and regional large-scale school assessments that meet the minimum quality requirements.

While initiatives like the Rosetta Stone, Pairwise Comparison, or Policy Linking have worked to harmonize different educational assessments, a standardized blueprint is still needed to systematically evaluate which assessments are suitable to include in these harmonization efforts.
## Overview

<table>
<thead>
<tr>
<th>Category</th>
<th>Specific Property</th>
<th>Description</th>
<th>Example of Property Compliance</th>
<th>Hypothetical Example of Property falling to Comply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Compliance</td>
<td>Assessment Methodology</td>
<td>Assesses whether a property is in compliance with applicable laws, regulations, standards, and best practices.</td>
<td>A property evaluation report that demonstrates a thorough understanding of the property's compliance with various codes and standards.</td>
<td>A property evaluation report that fails to identify critical deficiencies, leading to non-compliance with regulations.</td>
</tr>
<tr>
<td>Property Compliance</td>
<td>Building Inspection</td>
<td>Conducts an inspection of a property to identify any hazards or non-compliance with building codes or regulations.</td>
<td>A building inspection report that identifies all hazards and non-compliance with codes and standards.</td>
<td>A building inspection report that misses critical hazards, leading to potential legal issues.</td>
</tr>
<tr>
<td>Property Compliance</td>
<td>Property Management</td>
<td>Monitors and manages the property to ensure compliance with applicable laws and regulations.</td>
<td>A property management plan that includes all necessary compliance measures.</td>
<td>A property management plan that fails to address critical deficiencies, leading to non-compliance.</td>
</tr>
<tr>
<td>Property Compliance</td>
<td>Property Care and Maintenance</td>
<td>Ensures the property is maintained and care is taken to ensure compliance with applicable laws and regulations.</td>
<td>A maintenance plan that includes all necessary care and maintenance measures.</td>
<td>A maintenance plan that fails to address critical deficiencies, leading to non-compliance.</td>
</tr>
<tr>
<td>Property Compliance</td>
<td>Property Records</td>
<td>Maintains and manages the property records to ensure compliance with applicable laws and regulations.</td>
<td>A property record management system that includes all necessary records and compliance measures.</td>
<td>A property record management system that fails to address critical deficiencies, leading to non-compliance.</td>
</tr>
<tr>
<td>Property Compliance</td>
<td>Property Training and Education</td>
<td>Provides training and education to property staff to ensure compliance with applicable laws and regulations.</td>
<td>A training and education program that includes all necessary training on compliance measures.</td>
<td>A training and education program that fails to address critical deficiencies, leading to non-compliance.</td>
</tr>
<tr>
<td>Environment</td>
<td>Environmental Impact</td>
<td>Evaluates the impact of the property on the environment, including energy usage, waste management, and pollution.</td>
<td>A environmental impact assessment report that demonstrates compliance with environmental regulations.</td>
<td>A environmental impact assessment report that fails to address critical environmental impacts.</td>
</tr>
<tr>
<td>Environment</td>
<td>Sustainability</td>
<td>Evaluates the sustainability of the property, including energy efficiency, water usage, and waste management.</td>
<td>A sustainability assessment report that demonstrates compliance with sustainability goals.</td>
<td>A sustainability assessment report that fails to address critical sustainability metrics.</td>
</tr>
<tr>
<td>Environment</td>
<td>Safety and Security</td>
<td>Evaluates the safety and security of the property, including emergency preparedness and security measures.</td>
<td>A safety and security plan that includes all necessary emergency preparedness and security measures.</td>
<td>A safety and security plan that fails to address critical safety and security deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Health and Safety</td>
<td>Evaluates the health and safety of the property, including indoor air quality and accessibility.</td>
<td>A health and safety plan that includes all necessary measures to ensure a healthy and safe environment.</td>
<td>A health and safety plan that fails to address critical health and safety deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Accessibility</td>
<td>Evaluates the accessibility of the property to accommodate individuals with disabilities.</td>
<td>A accessibility assessment report that demonstrates compliance with accessibility requirements.</td>
<td>An accessibility assessment report that fails to address critical accessibility deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Water Quality</td>
<td>Evaluates the water quality of the property, including treatment and disposal systems.</td>
<td>A water quality assessment report that demonstrates compliance with water quality standards.</td>
<td>A water quality assessment report that fails to address critical water quality deficiencies.</td>
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<tr>
<td>Environment</td>
<td>Air Quality</td>
<td>Evaluates the air quality of the property, including indoor air quality and emissions.</td>
<td>An air quality assessment report that demonstrates compliance with air quality standards.</td>
<td>An air quality assessment report that fails to address critical air quality deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Energy Efficiency</td>
<td>Evaluates the energy efficiency of the property, including energy consumption and greenhouse gas emissions.</td>
<td>An energy efficiency assessment report that demonstrates compliance with energy efficiency standards.</td>
<td>An energy efficiency assessment report that fails to address critical energy efficiency deficiencies.</td>
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<td>Environment</td>
<td>Waste Management</td>
<td>Evaluates the waste management of the property, including recycling and disposal systems.</td>
<td>A waste management assessment report that demonstrates compliance with waste management standards.</td>
<td>A waste management assessment report that fails to address critical waste management deficiencies.</td>
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<tr>
<td>Environment</td>
<td>Noise Emission</td>
<td>Evaluates the noise emission of the property, including indoor noise levels and outdoor noise impacts.</td>
<td>A noise emission assessment report that demonstrates compliance with noise emission standards.</td>
<td>A noise emission assessment report that fails to address critical noise emission deficiencies.</td>
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<tr>
<td>Environment</td>
<td>Climate Change</td>
<td>Evaluates the impact of the property on climate change, including greenhouse gas emissions and energy consumption.</td>
<td>A climate change assessment report that demonstrates compliance with climate change mitigation standards.</td>
<td>A climate change assessment report that fails to address critical climate change mitigation deficiencies.</td>
</tr>
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<td>Environment</td>
<td>Climate Change Mitigation</td>
<td>Evaluates the measures taken to mitigate the impact of the property on climate change, including energy efficiency and emissions reduction.</td>
<td>A climate change mitigation assessment report that demonstrates compliance with climate change mitigation standards.</td>
<td>A climate change mitigation assessment report that fails to address critical climate change mitigation deficiencies.</td>
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<tr>
<td>Environment</td>
<td>Biodiversity</td>
<td>Evaluates the biodiversity of the property, including plant and animal species.</td>
<td>A biodiversity assessment report that demonstrates compliance with biodiversity conservation standards.</td>
<td>A biodiversity assessment report that fails to address critical biodiversity conservation deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Habitat Protection</td>
<td>Evaluates the protection of the property's habitat, including wetlands and other natural areas.</td>
<td>A habitat protection assessment report that demonstrates compliance with habitat protection standards.</td>
<td>A habitat protection assessment report that fails to address critical habitat protection deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Water Reuse and Recycling</td>
<td>Evaluates the use of recycled water and water reuse systems in the property.</td>
<td>A water reuse and recycling assessment report that demonstrates compliance with water reuse and recycling standards.</td>
<td>A water reuse and recycling assessment report that fails to address critical water reuse and recycling deficiencies.</td>
</tr>
<tr>
<td>Environment</td>
<td>Water Conservation</td>
<td>Evaluates the conservation of water resources in the property, including water conservation practices.</td>
<td>A water conservation assessment report that demonstrates compliance with water conservation standards.</td>
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<td>Evaluates the air pollution of the property, including indoor air quality and emissions.</td>
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</table>

**Assessment Blueprint**

- **Assessment Methodology**: The assessment methodology should be clearly outlined and should include a comprehensive review of applicable laws and regulations, as well as best practices. The methodology should include a review of the property's compliance with environmental standards, safety and security measures, and accessibility requirements.
- **Building Inspection**: The building inspection should be conducted by a licensed professional and should include a thorough evaluation of the property's structure, systems, and components. The inspection should identify any hazards or non-compliance with building codes or regulations.
- **Property Management**: The property management plan should include all necessary measures to ensure compliance with applicable laws and regulations. The plan should include a maintenance plan, a training and education program, and a record management system.
- **Property Care and Maintenance**: The property care and maintenance plan should include all necessary measures to ensure the property is maintained in compliance with applicable laws and regulations. The plan should include a maintenance plan, a training and education program, and a record management system.
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ASSESSMENT BLUEPRINT

PSYCHOMETRIC PROPERTIES
- Alignment
- Validity
- Reliability
- Difficulty Level
- Item Discrimination
- Item Design Clarity

DATA QUALITY
- Representativeness
- Reproducibility
- Transparency
- Test Security
- Suitable Technical Infrastructure
- Stakeholder Involvement

ETHICS
- Feasibility
- Physical Accessibility
- Digital Accessibility
- Data Privacy

Students who report lower levels of trust in institutions do so because they are better informed and, therefore, are more critical.
DISCUSSION

AND NOW WHAT?
HOW CAN WE MOVE FORWARD?

What do we have?

• Different sources of data to measure and monitor SDG 4 indicators

• Several options for harmonization of educational assessments (Rosetta Stone, Pairwise Comparison, Policy Linking, MPL).

• A proposal for an assessment blueprint

What do we need?

• Finalize the assessment blueprint

• Use it to identify the best-quality data sources for each SDG 4 indicator

• Support (where needed) the development of quality assessment data for measuring and monitoring SDG 4 indicators.

• Strengthen and decide on a harmonization strategy to be applied to each SDG 4 indicator (+ background questionnaires).

• Produce high-quality comparable data to measure and monitor SDG 4 indicators.

• Strengthening stakeholder collaboration.
THANK YOU!

QUESTIONS?