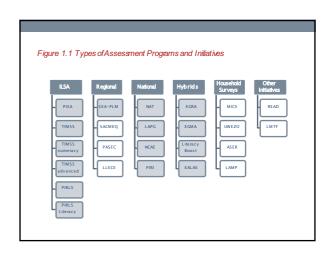


Large scale assessment defined

- · 'large-scale assessment'
 - -measurement of student learning designed to describe the achievement of students in particular areas of learning across an education system
- · 'international large-scale assessment'
 - -assessment across different countries not defined by a region
- · 'regional large-scale assessment'
 - -assessment across different countries within a particular geographic region (subset of international large-scale assessment programs)



Usefulness
Usefulness of LSA depends on:

• who gets tested
• what gets tested
• when tests occur
• how a test takes place
• why a test takes place

Population assessment of all approach students within the Who target range in a participating country Sample assessment of selected approach students within the target range - an assessment can be administered to a (selected) sample of students and findings can be extrapolated statistically to describe the population

What
What gets tested

Each LSA varies, and a country
needs to decide what
competencies are of interest, for
example:
-Reading
-Maths
-Science
-Global citizenship

• use of assessment data as a baseline measure before a country implements system-wide change
 • degree to which the Philippines can rely on its current and previous national assessments to evaluate progress is minimal, due to:
 • implementation of the K to 12 reform is well underway
 • comparability of previous assessment data with current is tenuous given that both the curriculum and the assessments that are aligned with these differ

Why
Why a test takes place

• What are the questions of primary importance that stimulate the country to participate?

PISA, TIMSS and PIRLS

The major international large scale assessment programs

Curriculum, application, and understanding

TIMSS

 TIMSS is designed to provide information about mathematics and science education across time and across grades. to improve teaching and learning of mathematics and science by providing information about student achievement in relation to different types of curricula, instructional practices, and schools

PISA

"PISA looks at students' ability to apply knowledge and skills in key subject areas and to analyse, reason and communicate effectively as they examine, interpret and solve problems" (PISA, 2015a)

Details

TIMSS

- · Targets: Gr 4, 8 • Countries: ~ 49 in 2015
- · Areas: Maths, Science • Min # students: 4,000
- · Sampling: School sampling followed by whole class
- Cycle: 4 years

PISA

Target: 15 year olds Countries: ~60 countries in

2015

Areas: Reading, Maths, Science, Problem solving

Min # students: 1,500 (pilot), 6,000 (main study)

Sampling: School sampling followed by studentsampling Cycle: 3 years

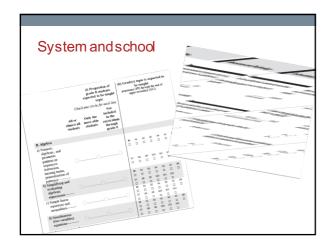
New versions for Grade 4+

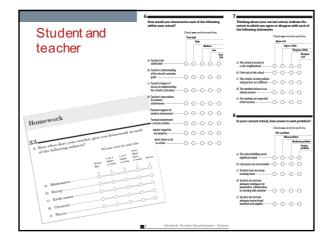
TIMSS Numeracy

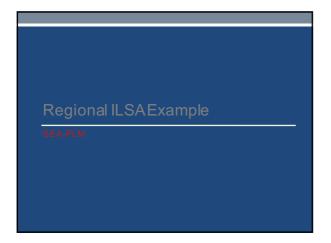
- · assesses fundamental mathematical knowledge, procedures, and problem solving strategies
- · test items are similar to TIMSS Grade 4 items, but numbers are simpler and procedures are more straightforward
- · can be administered to students in Grades 4-6

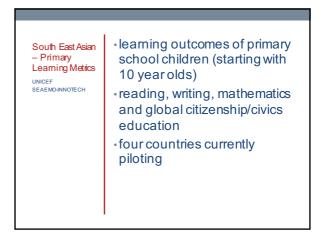
PIRLS Literacy

- · reflects the same conception of reading as PIRLS but is less difficult and is designed to assess basic reading skills that are a prerequisite for **PIRLS**
- · reading passages are shorter, with easier vocabulary and syntax

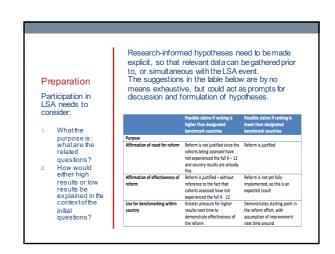


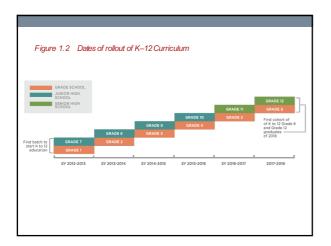


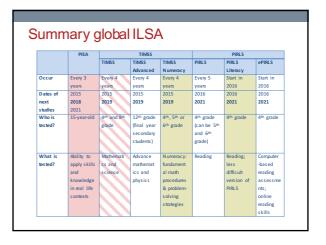


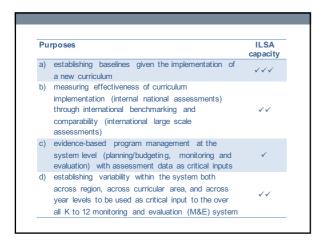


Preparation, choices, and purposes











Issues

- · Language in Grade 4
- Impact of language on science and maths outcomes
- Need for demonstration of understanding rather than rote learning
- How to engage the public and media prior to the events

Sustainability

- A primary purpose for use of LSA is to ensure capacity building at all levels of a system's educational enterprise
- Sustainability can be promoted through
- appointment of a dedicated assessment and measurement team that will work not only on the ILSA, but also on national assessment
- scheduled and maintained professional development for regional directors, principals and teachers
- repeat participation in the LSA; the value of participation in more than one round provides much greater opportunities than afforded by benchmarking with one round only.

