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Overview of EGRA and EGMA

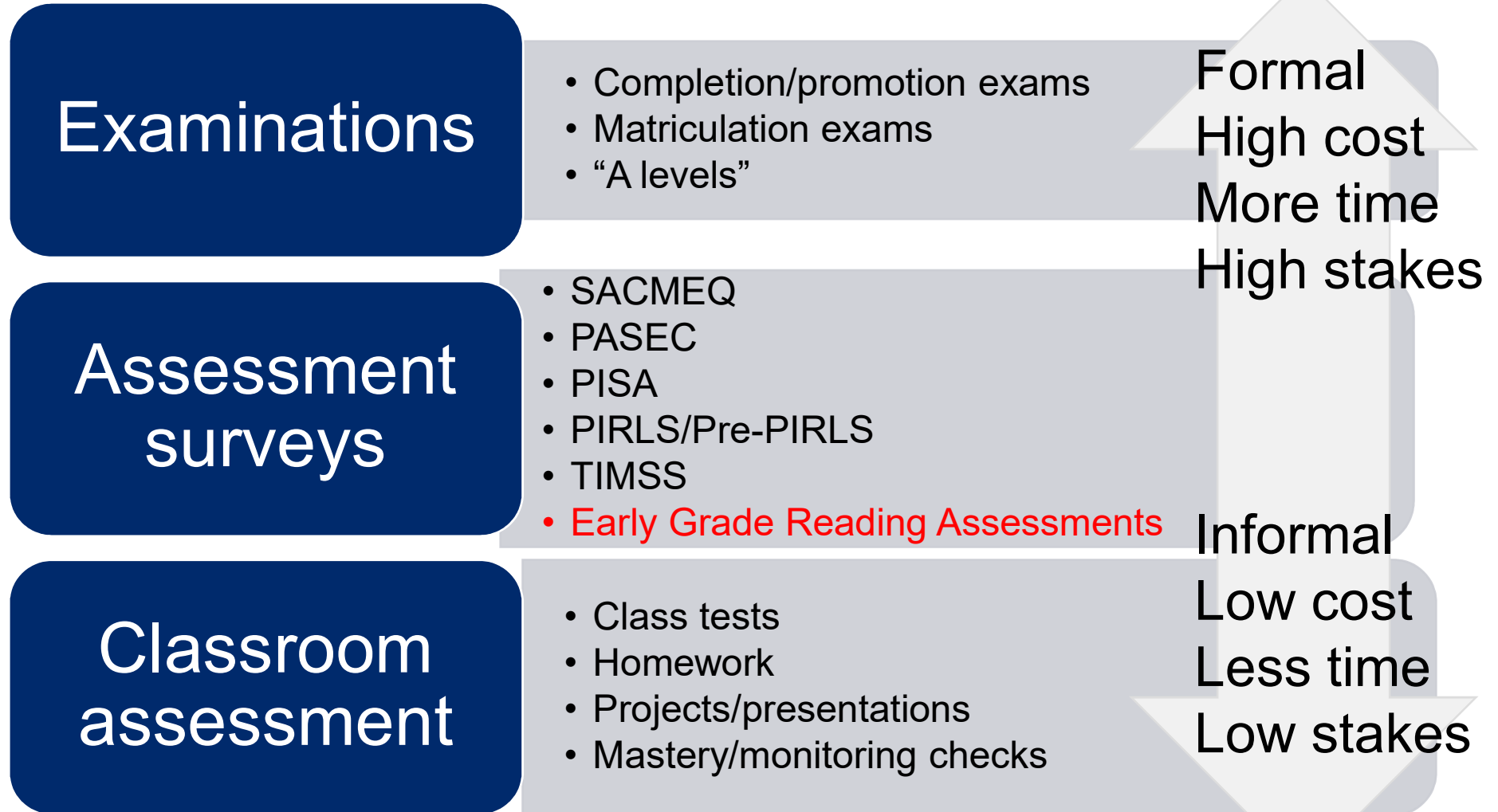
Global Alliance to Monitor Learning

May 11, 2016

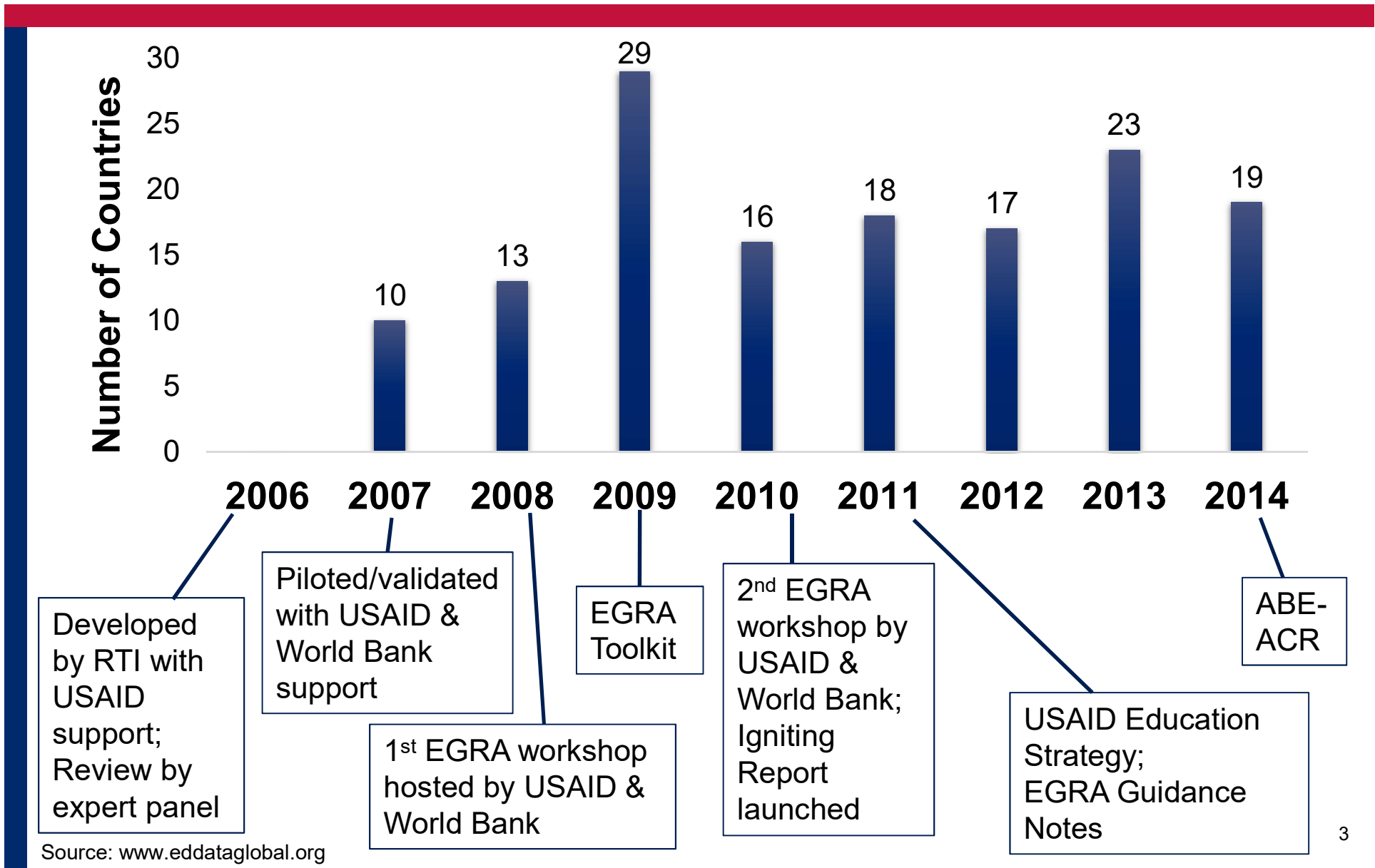
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Different Types of Assessments: A Continuum



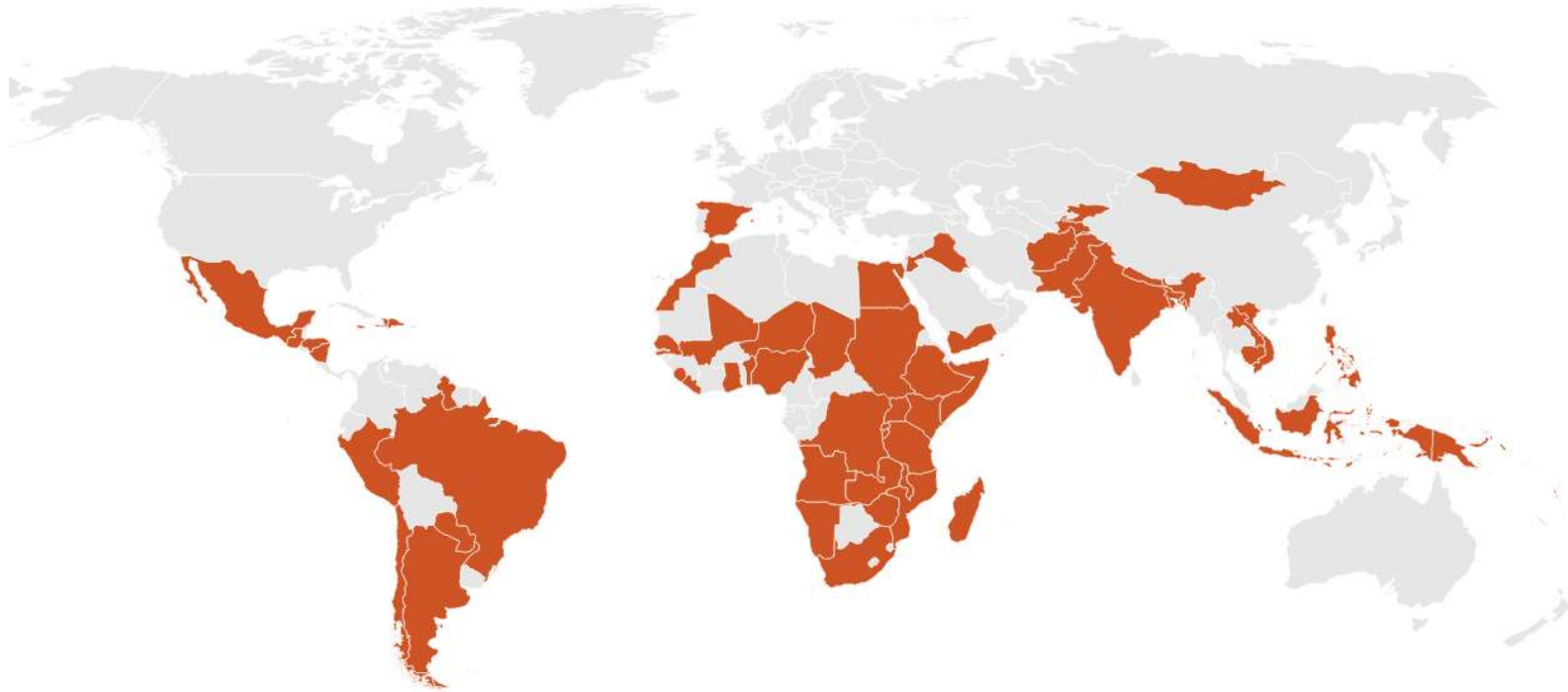
EGRA History



Early Grade Reading Assessment (EGRA)

Component	Early reading skill	Skill demonstrated by students' ability to:
1. Listening comprehension	Listening comprehension; oral language	Respond correctly to different types of questions, including literal and inferential questions about the text the assessor reads to them
2. Letter identification: Letter names and/or letters sounds	Alphabet knowledge	Provide the name and/or sound of letters presented in both upper case and lower case in a random order
3. Nonword reading	Decoding	Make letter-sound (grapheme-phoneme correspondences, or GPCs) through the reading of simple nonsense words
4. Oral reading fluency with comprehension	Oral reading fluency	Read a text with accuracy, with little effort, and at a sufficient rate
	Reading comprehension	Respond correctly to different types of questions, including literal and inferential questions about the text they have read
5. Initial or final sound identification, or letter sound discrimination, or phoneme segmentation, identification of onset/ rime sounds	Phonological awareness	Identify/differentiate the onset/rime sounds of words or the initial or final sounds of words, or segment words into phonemes by having the assessor and then the student read the phonemes aloud
6. Familiar word reading	Word recognition	Read words which are randomly ordered and drawn from a list of frequent words

EGRA: Global Reach and Rapid Expansion



Used by
30+
organizations

Used in
70+
countries

Adapted for
120+
languages

Background to EGRA 2.0 and Subtasks to be Piloted

Word Comprehension Grade 1-3	<ul style="list-style-type: none">• Approximately 24 individual words• Half real & half orthographically plausible nonwords• Child checks real words, crosses non-words• Scored for number correct, hits & false alarms• Measure decoding & vocabulary
Sentence Reading Grades 2-3	<ul style="list-style-type: none">• Short sentences based on fundamental knowledge• Half of the sentences true, half obviously false• Child checks real words, crosses false sentences• Scored for number correct, hits & false alarms• Measures sentence level comprehension
Spelling Grades 1-3	<ul style="list-style-type: none">• Approximately 12 individual words• Words are scored for correct letter-sequences• Beginning & ending of the word scored for 'phantom' spaces (e.g., talk has 5 sequences to score)• Measures encoding
Semantic Fluency Grades 1-3	<ul style="list-style-type: none">• Limited time to produce words in a category• Category is age & context appropriate (e.g., animals)• Score for the number of unique, correct words• Measures vocabulary & lexical access

Early Grade Math Assessment (EGMA)

Component	Early mathematics skill	Skill demonstrated by the student's ability to...
1. Addition and Subtraction Level 1*	Knowledge of and confidence with basic addition and subtraction facts	Mentally solve addition and subtraction problems, with sums and differences less than 20
2. Quantity Discrimination	Number comparison	Identify the larger of a pair of numbers
3. Missing Number	Number patterns discernment and completion	Determine the missing number in a pattern of four numbers, one of which is missing
4. Addition and Subtraction Level 2*	Application of procedural addition and subtraction knowledge.	Solve addition and subtraction problems that involve the knowledge and application of the basic addition and subtraction facts assessed in the Level 1 subtask
5. Word Problems	Interpretation of a situation, planning, and problem solving.	Solve problems presented orally using any strategy that they wanted, including the use of paper and pencil and/or counters supplied by the assessor

- EGMA's have been conducted in 22 countries and adapted for 24 different languages