

Madagascar - Enquête sur les Acquis Scolaires des Élèves de la 8ème année en Mathématiques et en Sciences Liées à la Vie Courante

**Direction de la Planification de l'Éducation Fondamentale Secondaire et Technique
- Ministère de l'Éducation Nationale - Government**

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Overview

Identification

Summary

ABSTRACT

The Enquête sur les Acquis Scolaires des Élèves de la 8ème année en Mathématiques et en Sciences liées à la Vie Courante (MLA II) was administered in 2003 by the Direction de la Planification de l'Éducation Fondamentale Secondaire et Technique, Ministère de l'Éducation Nationale to grade 8 (ISCED 2) students in general education programmes in public and private schools. Although the target population was grade 8 students, as administration occurred in October (beginning of a new school year), non-repeaters grade 9 students were assessed on instruments designed for grade 8 students and based on grade 8 curriculum.

The Enquête sur les Acquis Scolaires des Élèves de la 8ème année en Mathématiques et en Sciences liées à la Vie Courante is part of the Monitoring Learning Achievement (MLA) initiative, jointly conducted between 1992 and 2003 by UNESCO and UNICEF. As part of the MLA project, assessments were conducted in more than 50 countries. The first phase of the project (MLA I) assessed grade 4 students in Literacy, Numeracy and Life skills. The second phase (MLA II) started in 2002 and focused on lower secondary grades, assessing Mathematics, Science, and Life skills.

The MLA I was was administered in Madagascar to grade 4 students in 1998.

The MLA II is a low-stake assessment. It is a written assessment, administered face-to-face and delivered through paper-pencil tests. All test-takers are presented with the same cognitive booklets or tests, which are aligned with the national curriculum.

The MLA II has the objective of monitoring the education quality levels.

KIND OF DATA

Random sample

UNITS OF ANALYSIS

Results are reported at the sub-national and national levels. Data are disaggregated by sex, geographic location (urban and rural), major cities and type of schools (public and private).

Results are published in reports that are available in print.

Scope

NOTES

The Enquête sur les Acquis Scolaires des Élèves de la 8ème année en Mathématiques et en Sciences liées à la Vie Courante comprises two tests: a Mathematics test, and a Science test. Each test has a duration of one hour.

The Mathematics test comprises the following sub-domains:

- Algebra
- Arithmetics
- Geometry

The Science test comprises the following sub-domains:

- Life sciences

- Earth Science
- Physics
- Chemistry

Description of test items: Test items consist of multiple choice questions with three or more response options and open-ended questions requiring short constructed responses.

Description of stimuli: Test stimuli consist of continuous, non-continuous and mixed.

Reporting metrics: Student performance is reported by proficiency levels. The minimum requirement to meet the national standard is a score of 50%. The three proficiency levels are defined as follows:

- Less than 50%: Low mastery
- 50 to 74%: Medium mastery
- 75% and above: High mastery

Coverage

GEOGRAPHIC COVERAGE

National

UNIVERSE

Students enrolled in grade 8 (ISCED 2) in general education programmes in public and private schools.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Direction de la Planification de l'Éducation Fondamentale Secondaire et Technique - Ministère de l'Éducation Nationale	Government

OTHER PRODUCER(S)

Name	Affiliation	Role
Direction de la Planification de l'Éducation Fondamentale Secondaire et Technique - Ministère de l'Éducation Nationale	Government	Test development and administration; data processing and dissemination; programme development
UNESCO		Funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Ministère de l'Éducation Nationale	MEN	Government	Data collection
UNESCO Institute for Statistics	UIS	United Nations	Questionnaire design, metadata collection, review and publication

DATE OF METADATA PRODUCTION

2015

DDI DOCUMENT ID
MGA-MLAII-2003

Sampling

Sampling Procedure

The sample is drawn using a three-stage stratified sampling method. The sample frame is given by data from the 2000 school census. Strata are based on provinces, type of schools (public and private) and geographic location (urban and rural). In the first stage, a sample of schools is drawn using a stratified sampling design. In the second stage, one classroom was randomly selected for each selected school. In the third stage, 25 students (non-repeaters) were randomly selected from each sampled classroom. If the selected classroom comprised 25 students or less, the entire classroom was selected.

Questionnaires

Overview

The MLA II comprises three background questionnaires:

- student questionnaire: collects information on student characteristics, family environment, accessibility of the school, learning conditions, and the family and institutional support available.
- teacher questionnaire: collects information on teacher personal and professional characteristics, teaching conditions, pedagogical monitoring, activities and practices, attitudes and opinions.
- school principal questionnaire: collects information on the school infrastructures including health infrastructures, characteristics of students, school staff, organization and management, security, funding, and also on the school principal training and experience.

Data Collection

Data Collection Dates

Start	End	Cycle
2003-10-29	2003-10-31	Unknown

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

The following actions were taken to reduce non-sampling error:

- Conducted a pilot survey
- Trained data collection staff
- Trained data processing staff
- Trained test monitoring officers

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Data Access

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Access Conditions

To access the data, please send a request to the Direction de la Planification de l'Éducation (DPE), Ministère de l'Éducation Nationale, Anosy ANTANANARIVO, www.education.gov.mg