



Review of Physics Education System in Africa

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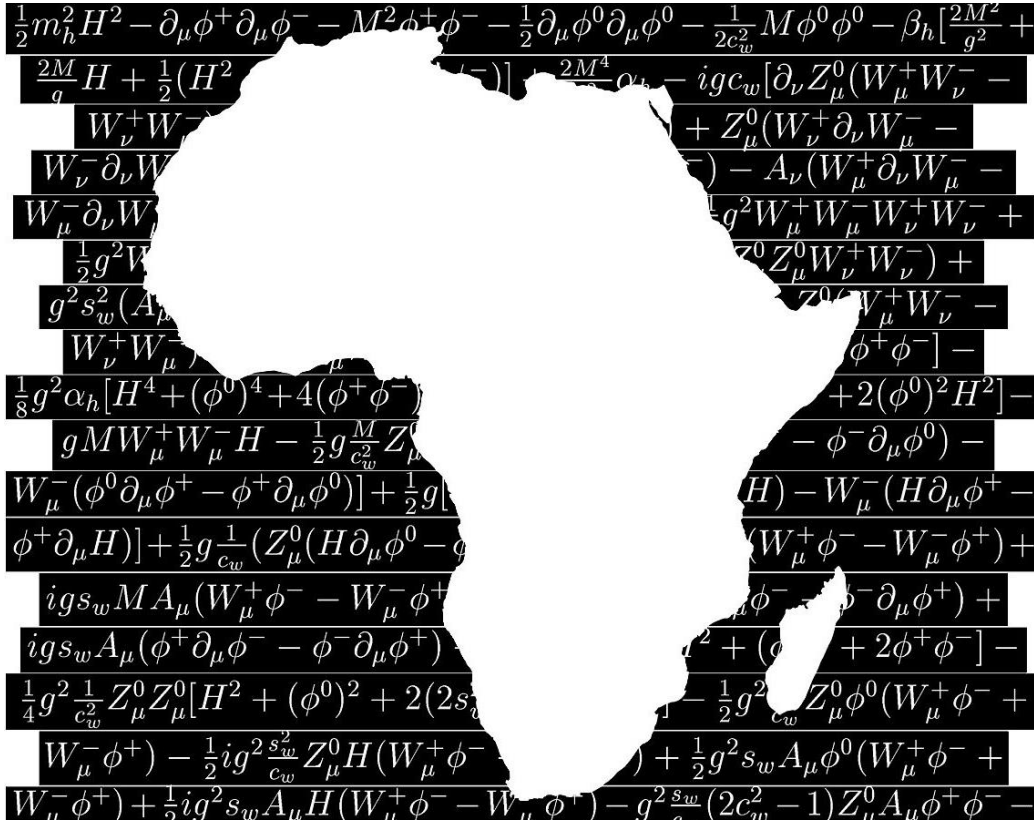
ASFAP Physics Education Working
Group



Outline

- Physics in Africa
- Physics Education System
- Questions
- Survey
- Recommendations
- Questions and Answers

Physics in Africa



- One of the oldest field in Science
- Plays a very important role in the development of science and technology
- Every field in physics is significantly represented in Africa. (from theoretical physics to Medical physics)
- Almost all the universities in Africa have a physics department.

Physics Education System

TEACHING

LEARNING

ENVIROMENT

EVALUATION

**GOVERNMENT
POLICY**

OPPORTUNITIES

Questions



How is physics being taught in our universities?

At what level are some fundamental concepts introduced?

How are students evaluated across the institutions in Africa?

Differences between Education system in Africa and other continents.

Can we say we are better? Is there a need to improve on what we have?

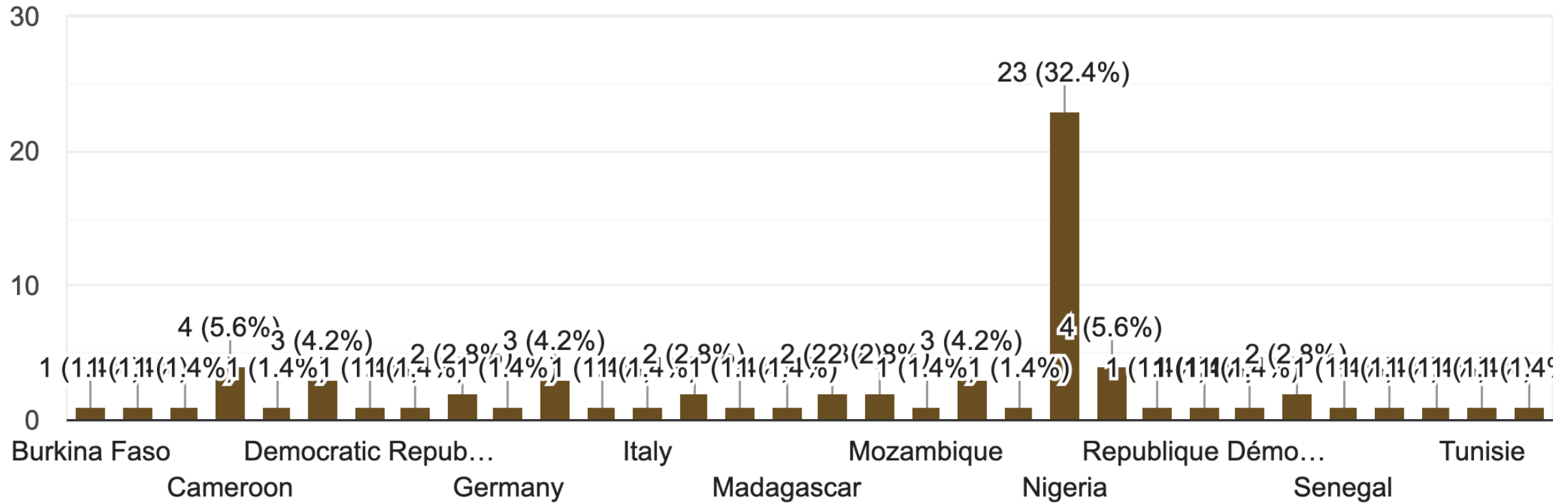
Equal Footing

Survey Result – 71 responses

- ✓ **Country**
- ✓ **Name of University**
- ✓ **Official Language**
- ✓ **Areas of Specialization**
- ✓ **Grading Scale**
- ✓ **Grading Style**
- ✓ **Brief description of grading system.**

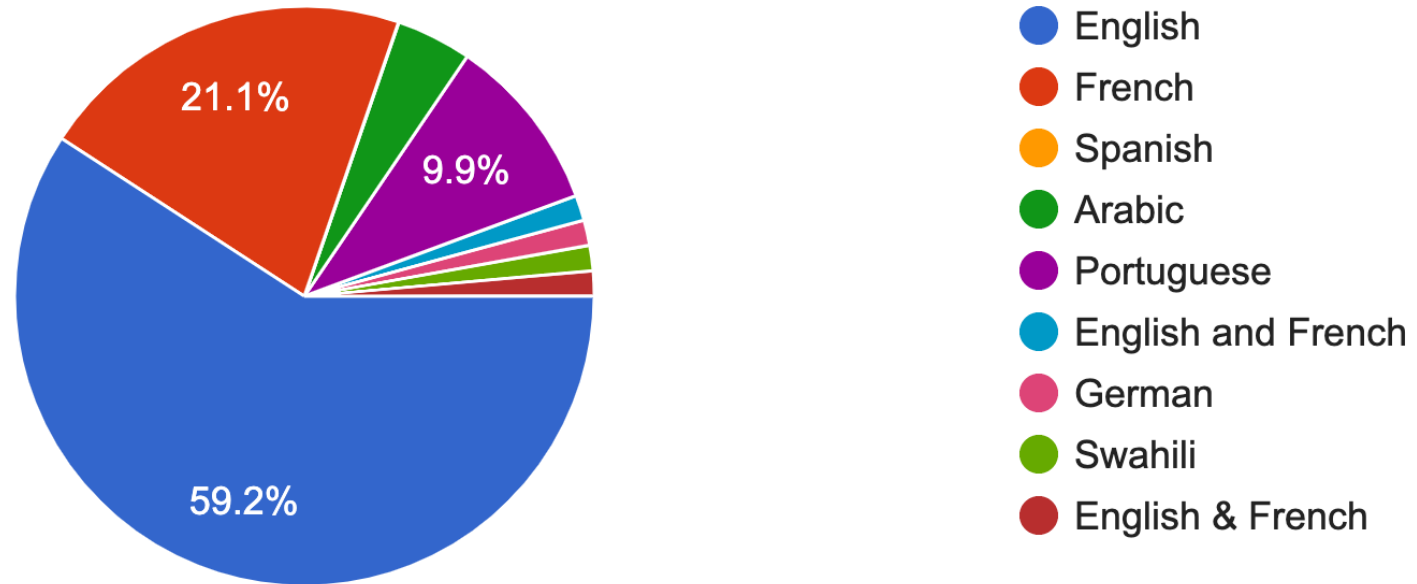
Country/Pays/País/دولة

71 responses

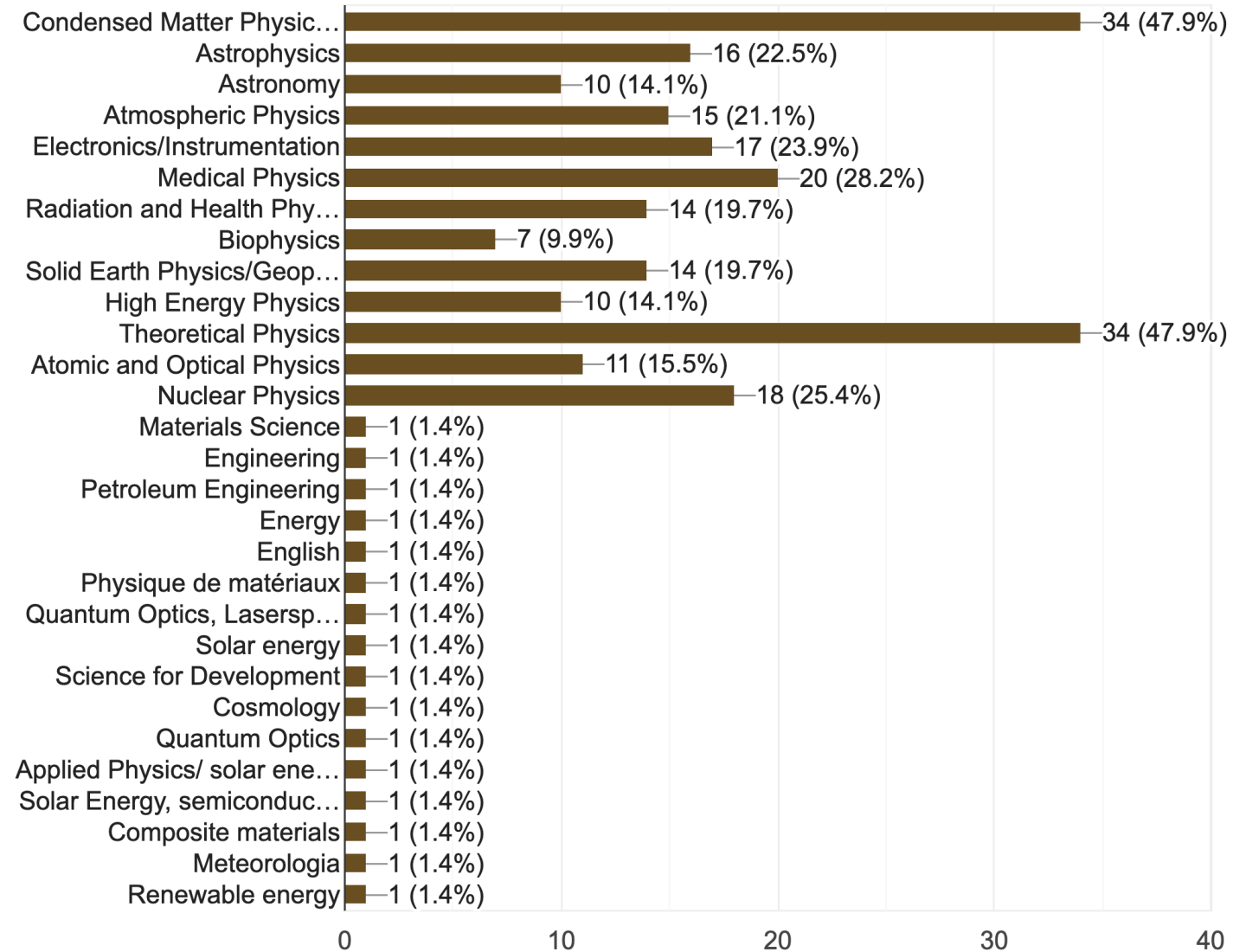


Official Language/Langue officielle/língua oficial/لغة رسمية

71 responses

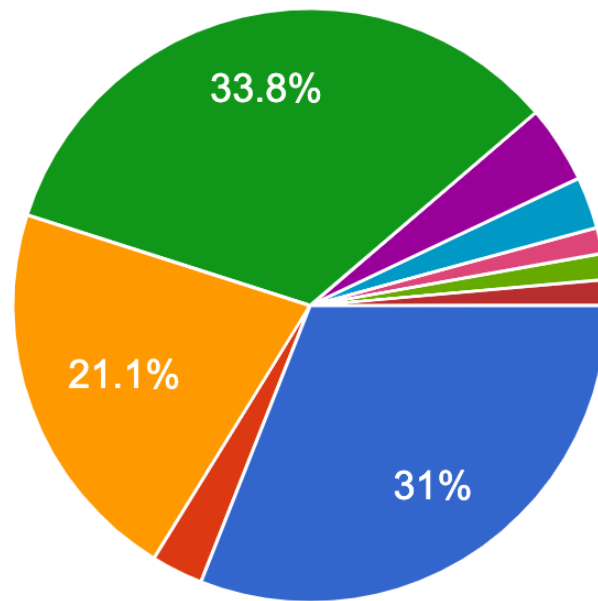


Areas of Specialization



Grading Scale/Grading Scale/Escala de notas/مقياس الدرجات

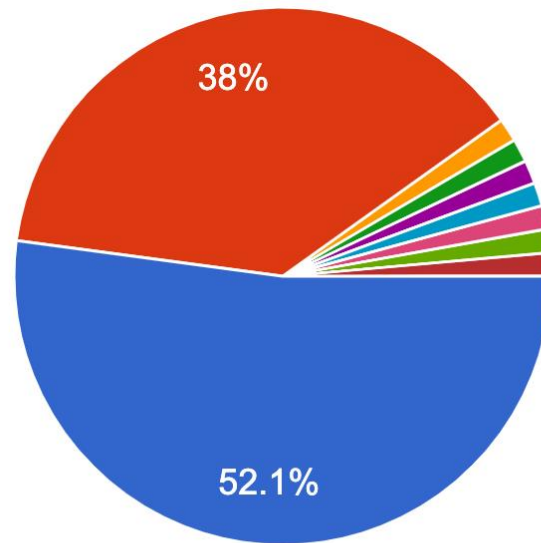
71 responses



- 20.0
- 10.0
- 5.0
- 4.0
- 7.0
- 100
- % example 70-100 First class, 60-60 Second class upper division
- don't understand the question
- Letter Grade A, B, etc

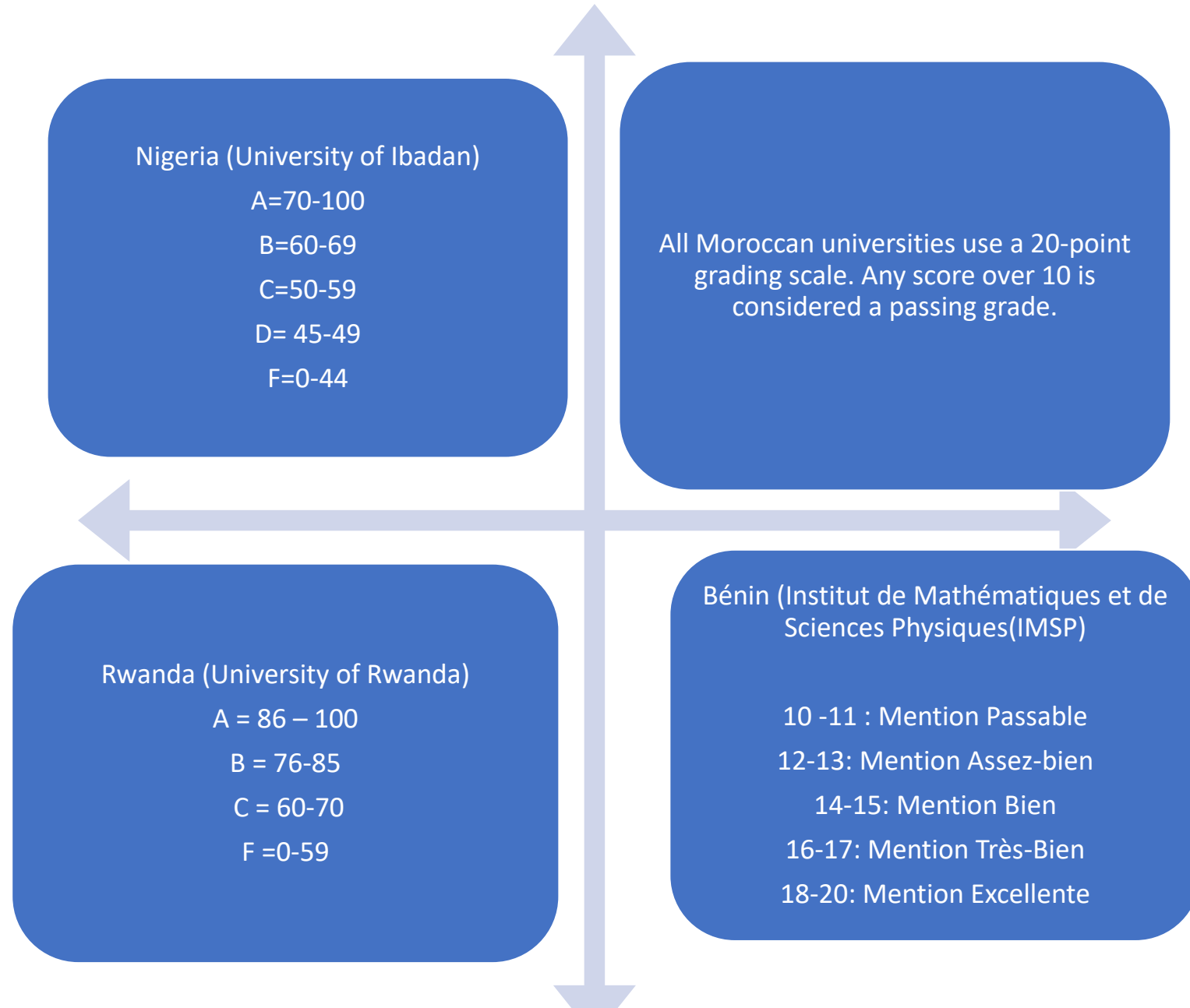
What grading style is adopted in your institution?

71 responses

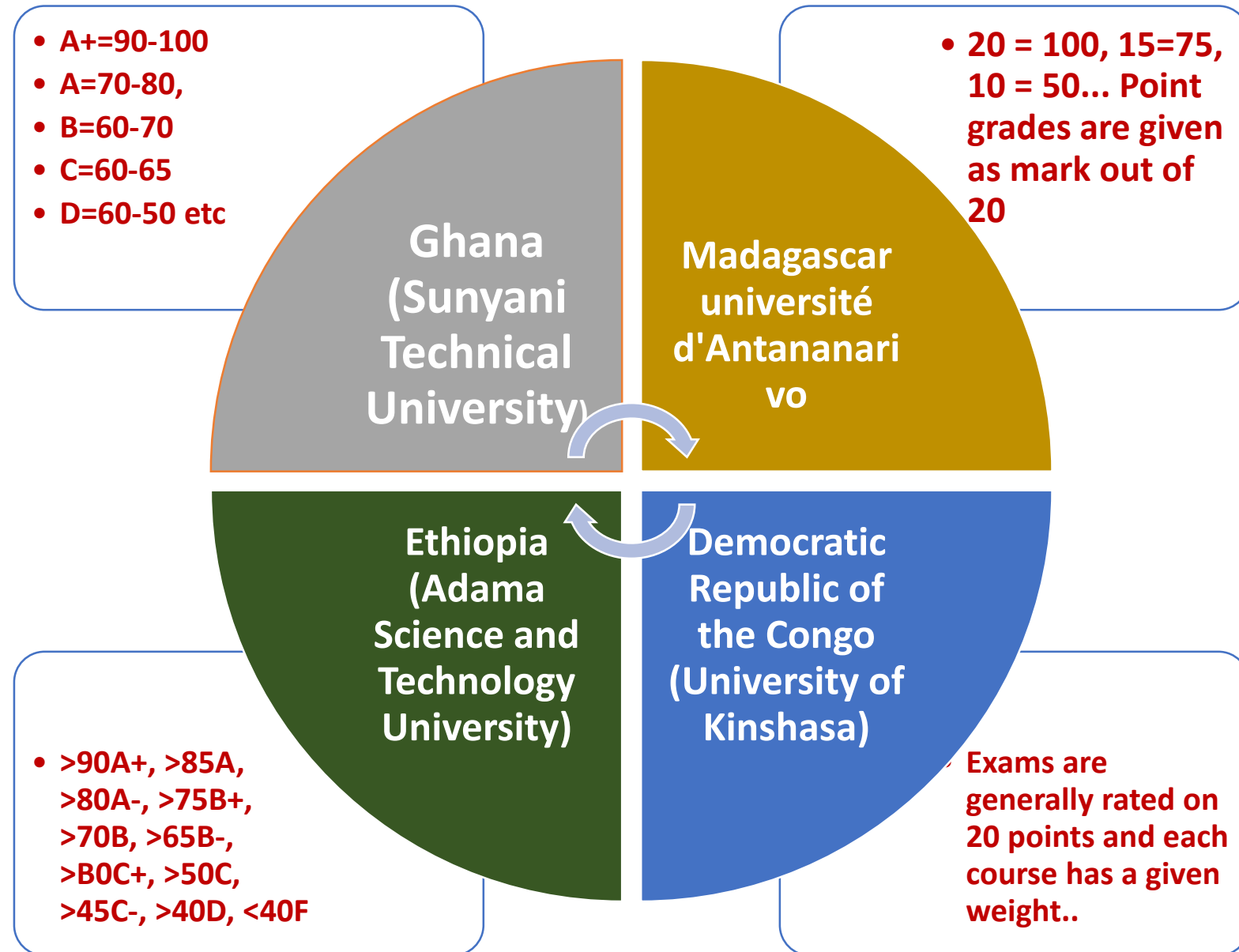


- Letter Grade e.g A, A-, B+, B, ...
- Point Grade e.g 20, 10, 7, 6, 4, ...
- A, B, C, D, E
- A,B,C,D,E,F
- A B C D E F
- A, B, C, D, F
- letter grade A,B+,B,C+,C,
- Très Bien, Bien, Assez Bien, Passable, Médiocre, Mal
- Excellent, Very Good, Good, Fair

Description of Grading Scale



Description of Grading Scale



Recommendations

- ❖ A Book/Database that contains information about the education system of each university in Africa. Information ranges from the fields, available resources, lecturers, syllabus, etc will promote collaboration within African scientists. We will know who to go to for any need.
- ❖ Certified Africa Uniform Evaluation System – Any transcript from any country in Africa can be converted to a standard scale that can be accepted worldwide.

Thank you