



AIMS

African Institute for
Mathematical Sciences
**IN AFRICA'S YOUTH,
THE FUTURE OF SCIENCE**

The African Institute for Mathematical Sciences (AIMS) is a pan-African network of Centres of Excellence for postgraduate training, research in mathematical sciences, and public engagement in STEM. Established in 2003, AIMS trains highly skilled problem solvers equipped with the knowledge, competence, and analytical tools to address Africa's most pressing challenges.



Vision



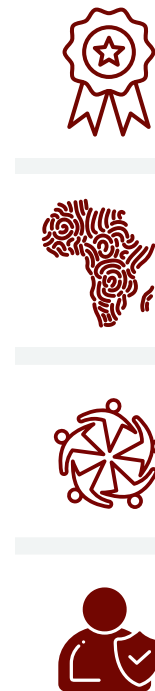
A prosperous Africa, propelled by innovative education and mathematical sciences.

Mission



To empower talented young Africans to be creative leaders in science and technology.

VALUES



Excellence

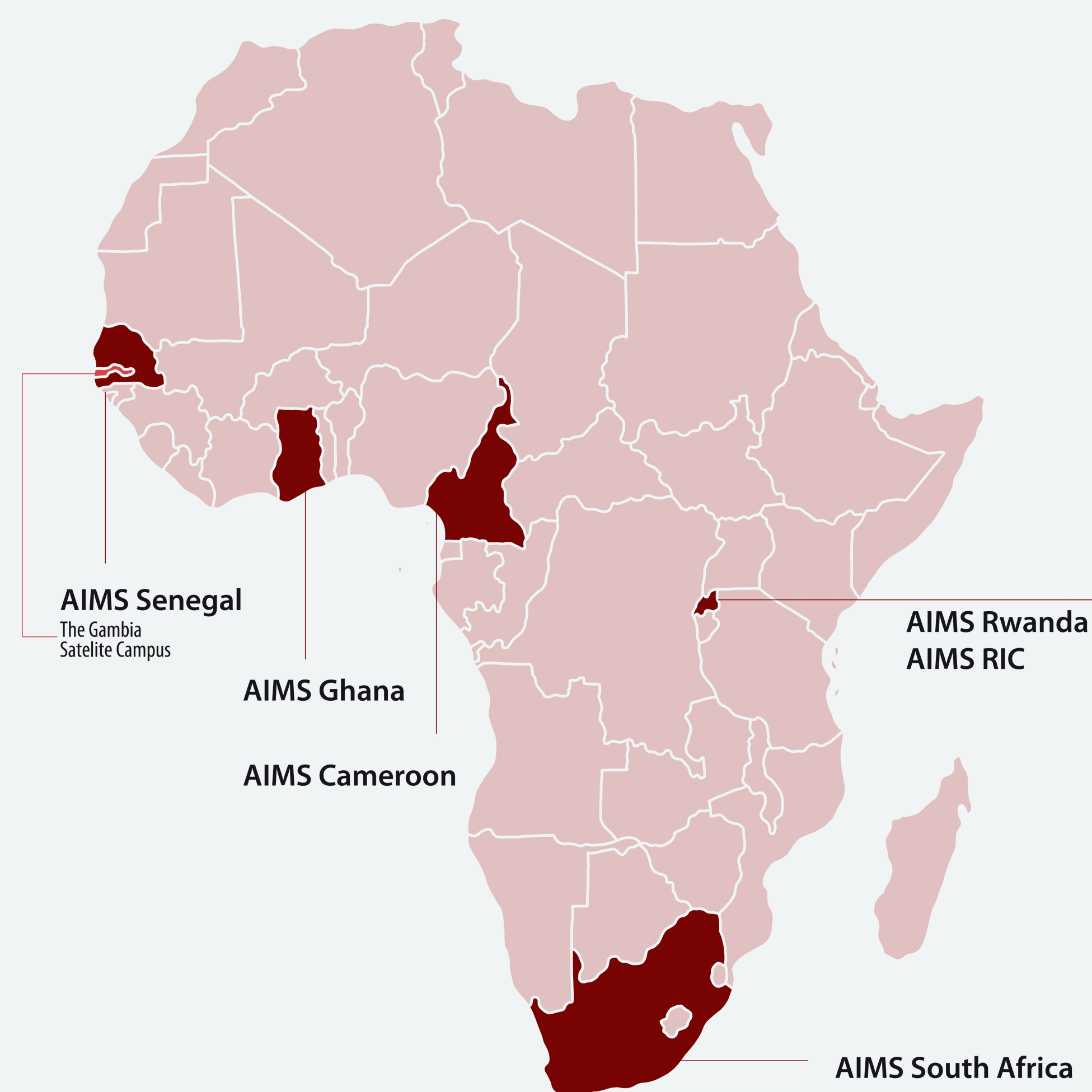
Pan-Africanism

Equity & Inclusion

Integrity

Centres

We have six Centres of Excellence in South Africa, Senegal, Ghana, Cameroon and Rwanda (2)



Our Programmes

Structured Master Program

A comprehensive ten-month master's programme in mathematical sciences, combining fundamental and applied coursework with a supervised research project to build strong academic and practical foundations.

Master in Mathematical Epidemiology

A 16-month master's stream applying mathematical modelling and data analysis to public health, studying how diseases spread and how responses can be guided.

PhD programs

Doctoral research within AIMS centres, supervised by research chairs and senior scientists, in fields such as data science, machine learning, mathematical modelling and quantum science.

Research chairs

A dedicated research facility where a distinguished scientist works alongside postdoctoral fellows and doctoral and master's students, applying mathematical sciences to solve real-world challenges

Teacher Training Program (TTP)

AIMS teacher training equips secondary teachers with ICT, gender-responsive pedagogy and competency-based curriculum skills to improve science teaching/learning and increase STEM uptake in tertiary education.

Cooperative Master Program

An eighteen-month master's degree combining coursework at AIMS with a six-month industry placement, allowing students to apply mathematics to real problems and enter meaningful employment.

Master in Mathematical Sciences for Teachers

A part-time professional master's degree for practising secondary school mathematics teachers across Africa, blending residential and online study to strengthen subject knowledge and modern teaching.

Industry Initiative

A bridge between the classroom and the workplace, connecting students and graduates with employers through placements, internships and applied research that facilitate transitions into employment

Public engagement

Bringing science to communities through lectures, outreach and events, and championing the value of science and technology to the public and to the decision makers who shape policy.

Innovation & Entrepreneurship

Advances entrepreneurship, incubation, and commercialization through technology transfer and intellectual property, led by a Knowledge and Technology Transfer Office.

Our achievements



4100+

Alumni



35%

Female Alumni



45

African Countries of alumni origin



1000+

Alumni pursuing /completed a PhD



74%

Retention within Africa



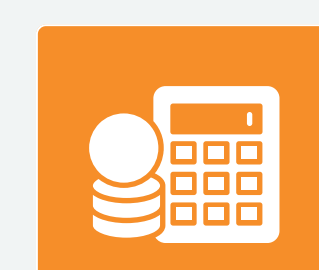
Tertiary education



ICT (mainly Data Science)



Academic research



Finance

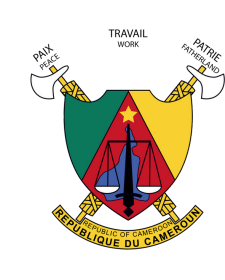


Health

Alumni top 5 Transitions areas

AIMS Centres train Africa's brightest and most highly motivated young scientists through an innovative pedagogical model in a 24/7 enabling learning environment, enriched by outstanding lecturers from around the world, including Nobel Laureates, Fields Medalists, and other leading researchers.

Our Partners



Alexander von
HUMBOLDT
STIFTUNG



CARNEGIE
CORPORATION OF
NEW YORK



IDRC - CIDI
International Development Research Centre
Centre international de développement et de coopération internationale



DAAD
Deutscher Akademischer Austauschdienst
German Academic Exchange Service



facebook



mastercard
foundation



unesco



Google



Canada



HENRY
LUCE
FOUNDATION



DeepMind