

# The African Academy of Sciences

Welcome to the blueprint of progress and futures of research and innovation by the African Academy of Sciences (AAS), the continental voice for science!

We embark on a new chapter of this journey, through the launch of our latest Strategic Plan 2023- 2027.

**DR PEGGY OTI-BOATENG**  
**EXECUTIVE DIRECTOR**

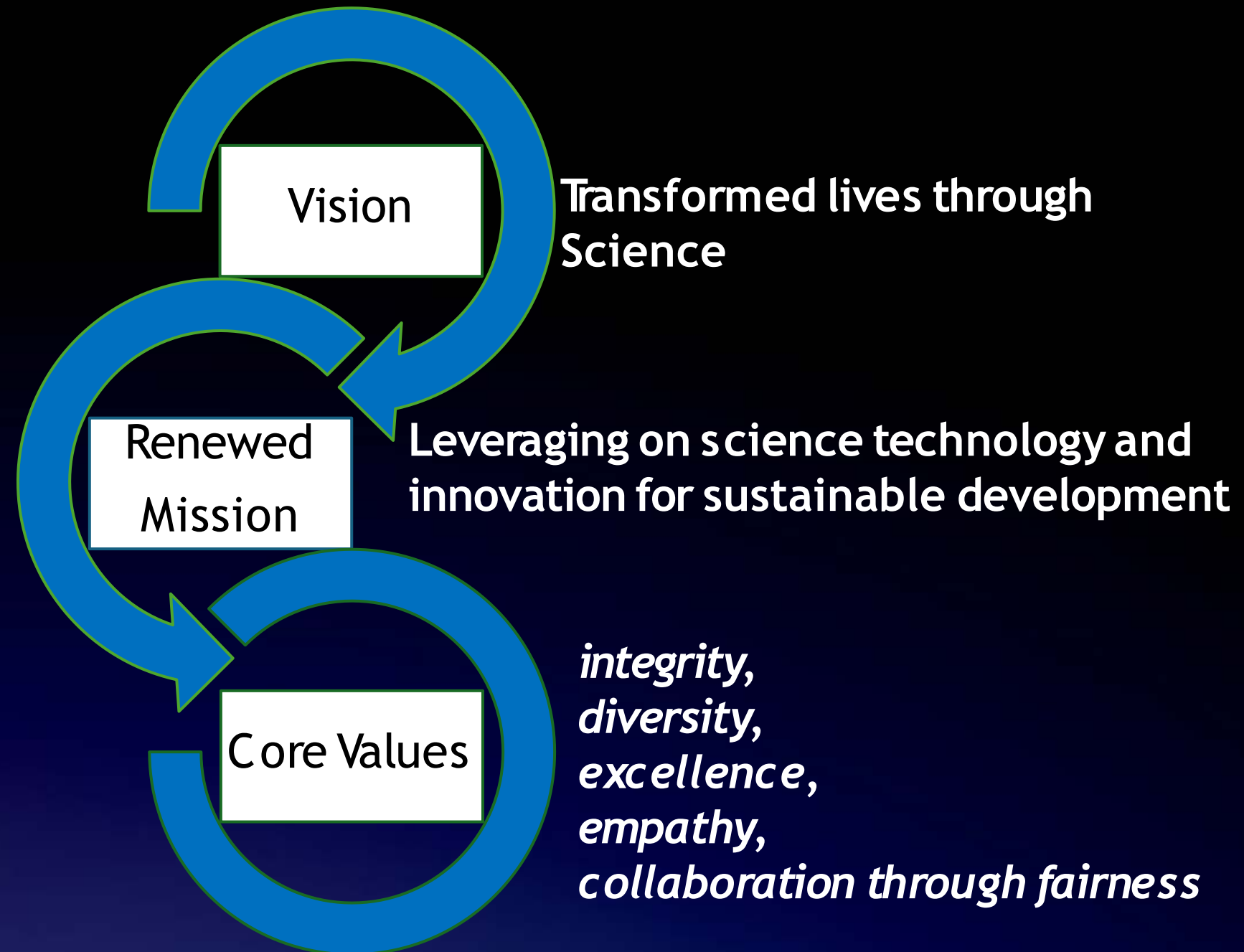
[www.aasciences.africa](http://www.aasciences.africa)



# About the African Academy of Sciences

- African Academy of Sciences (AAS) is an independent, not-for-profit, non-aligned; pan-African and Africa-led organisation and strives to drive sustainable development in Africa through thought leadership in science technology and innovation (STI)
- Established in 1985 by 34 Founding African Scientists.
- Recognised and supported by the African Union and has continental convening power
- HQ in Nairobi through hosting agreement with the Government of Kenya
- Present in all the five Regions of Africa (Central, East, North, Southern and West Africa) with 5 Vice Presidents – Cameroon, Burundi, Morocco, South Africa and Burkina Faso.

# Vision Mission and Core Values



# Our Tripartite Mandate

## Recognition of Excellence

Recognising excellence through the AAS' highly prestigious fellowship and award schemes

## Advisory and Think-Tank Function

Providing advisory and think tank functions and foresight for shaping Africa's Science, Technology, and Innovation (STI) strategies and policies;

## STI Program Implementation

Implementing key STI programmes that impact on Africa's developmental prospects..

## Core Values

Integrity

Diversity

Excellence

Empathy

Collaboration

Fairness

# FACES OF AAS GOVERNING COUNCIL



**Professor Lise Korsten**  
AAS President



**Professor Friday Okonofua**  
AAS Secretary General



**Professor Agong Stephen Gaya**  
AAS Treasurer



**Professor Godfrey Tangwa**  
Vice President, Central Africa



**Prof Ozoemena Kenneth**  
Vice President, Southern Africa



**Professor Paco Sereme**  
Vice President, Western Africa



**Professor Juma Shabani**  
Vice President, Eastern Africa



**Professor Rajaa Cherkaoui**  
Vice President, Northern Africa



**Professor Mary Abukutsa-Onyango**  
Member



**Professor Raphael Munavu**  
Member



**Professor Jean Koulidiati**  
AU Representative



**Dr Peggy Oti-Boateng**  
Executive Director/ GC  
Ex-Officio Member

# OUR MEMBERSHIP

• 34  
Founding  
Fellows



• 20  
Honorary  
Fellows



• 800+  
Fellows and  
Affiliates



10  
Disciplines



Agricultural &  
Nutritional  
Sciences



Biosciences



Chemical  
Sciences



Cultural,  
Humanities &  
Social Sciences



Engineering  
Technology &  
Applied Sciences



Mathematical  
Sciences



Geological,  
Environmental, Earth  
& Space Sciences



Medical &  
Health  
Sciences



Physical  
Sciences



Policy  
Sciences

# AAS STRATEGIC PLAN 2023-2027

# OUR SUCCESS STORIES

**Build R&D Infrastructure**



DELTA Africa



H3 Africa



Africa Scientific Priorities

**Innovations & Entrepreneurship**



Grand Challenges Africa



Translational sciences with big Biotech & Pharma

**Rising & Emerging Research Leaders**



FLAIR



AESA-RISE



APTI



CR4D



Affiliates



CIRLE



ARISE-PP

**Research Uptake & Management**



ReMPro Africa



Community & Public Engagement



Science Communication



Science & Language



AAS Open Publishing



South-South Africa-India



Global Grant community



Clinical Trials Community

**PARTNERSHIP**

**PROGRAMS**

**PLACES**

**PEOPLE**

**PRODUCTS**

**PRACTICES**

**POLICIES**

**Selected STI Programmes Implemented by AAS**



# WHAT NEEDS TO CHANGE

Policy  
Alignment to  
developmental  
aspirations for  
the future we  
want

Need for  
Equitable  
Partnership  
for Data  
Governance  
and  
Ownership

Optimize  
Systems  
Internally and  
Externally  
Governance,  
Secretariat/Man-  
agement  
Multi-  
Stakeholders and  
actors

Science as a  
public good  
for Influence  
and foresight

3

# Thematic Focus Areas

Policy and Governance

Fortifying the infrastructural backbone of STI in Africa.

Natural Sciences

Endorsing progression within the diverse realms of natural science.

Environmental and Climate Change

Advancing environmental initiatives to mitigate climate impacts.

Health and Wellbeing

Promoting conducive health research for a healthier Africa.

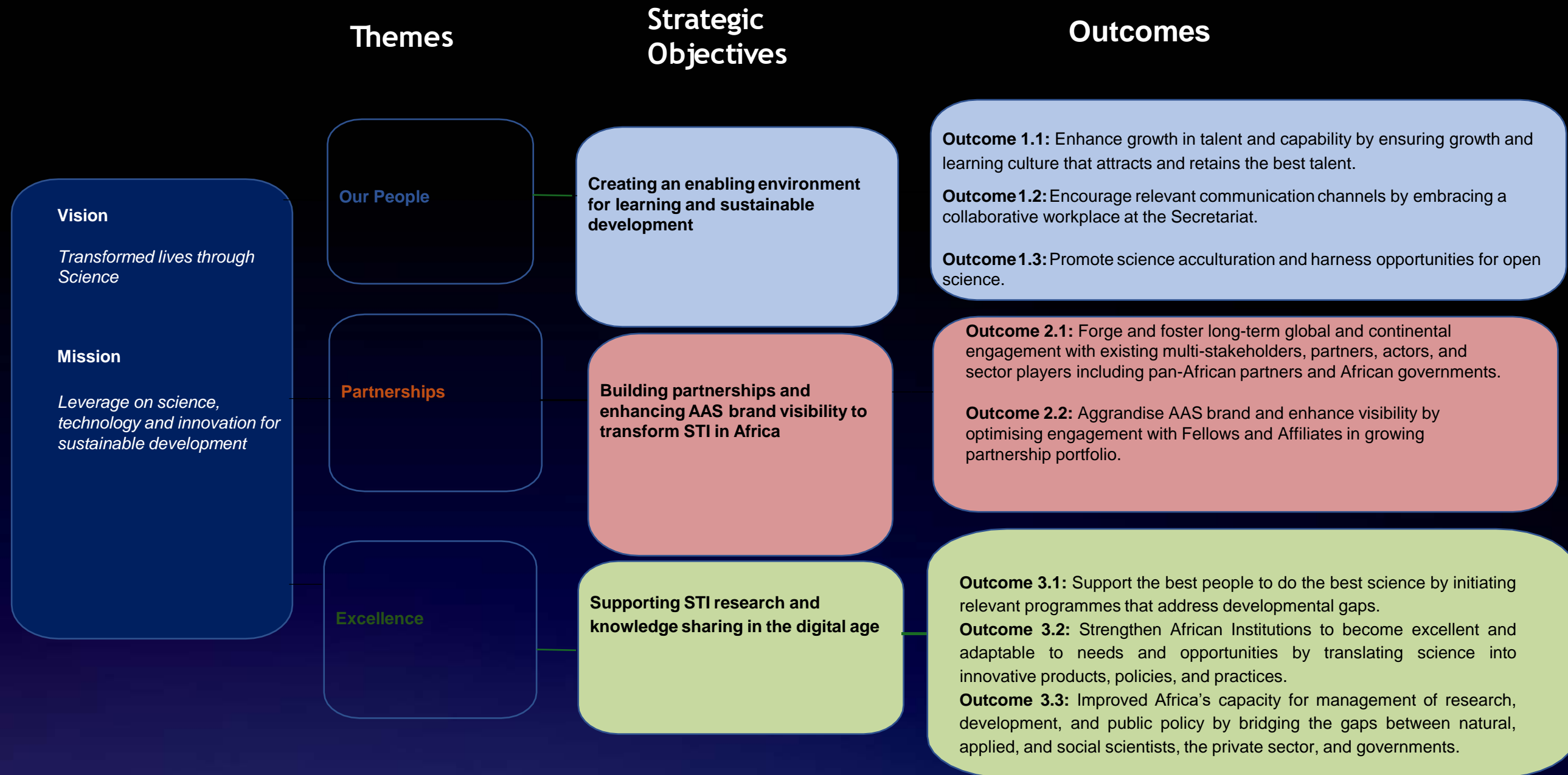
Social Sciences & Humanities

Championing the social sciences for a more informed and resilient society.

AAS STRATEGIC PLAN 2023-2027

RESULTS-BASED MANAGEMENT FRAMEWORK

# Strategic Drivers



# IMPLEMENTATION PLAN

WORKING WITH MID CAREER RESEARCHERS AND INNOVATORS  
AND FELLOWS FOR EFFECTIVENESS AND IMPACT

# AAS Thematic Programme Areas



# AAS Programmes: Thematic Goals

*Shifting the centre of gravity for African science to Africa*



# The African Research Initiative for Scientific Excellence Pilot Programme (ARISE-PP)

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**Funder:** European Commission, Carnegie Corporation of New York

**Grant amount:** EUR 25.5 million

**Grant period:** Jan 2021 – June 2027

More info: <https://aasciences.africa/Programmes/ARISE>



# African Postdoctoral Training Initiative (APTI)

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**Funder:** Bill and Melinda Gates Foundation

**Grant amount:** \$9m

**Grant period:** March 2018 – December 2026



BILL & MELINDA  
GATES *foundation*

More info: <https://aasciences.africa/Programmes/APTI>

# Part 1: *Critical success factors for R&I*

## Availability & access to science

- AAS, in partnership with the **AU** and **EU**, is implementing the African Research Initiative for Scientific Excellence (ARISE) to facilitate generation of excellent research.
- ARISE supports >500 researchers in 38 countries across Africa

## Adequate stakeholder engagement and buy-in

- AAS partnership and engagement with critical partners in its R&I programming work including the **African Union Commission**, **AUDA-NEPAD**, **ARUA**, Science Granting Councils, and universities and research institutions

## Equitable partnerships around R&I

- AAS' concept of **shifting the center of gravity** for Africa's R&I to Africa
- Progressive initiatives such as the **AU-EU High Level Policy Dialogue on STI** and the **EU-AU Innovation Agenda**

## Enabling environments, frameworks, and instruments

- **AU Agenda 2063**
- **EU-AU Innovation Agenda**
- Programmes like ARISE that facilitate R&I exchanges within and across continents
- Partnership with United Nations Agencies (**UNESCO**, **WHO**, **WMO**, **UNEP**, **UNIDO** etc)

# PART 2: Sustainable and Equitable Partnership



# OPPORTUNITIES

WORKING WITH AFRICA AND GLOBAL PARTNERS

# Opportunities Unveiled



## Open Science

AAS commits to promoting accessible and transparent scientific research in Africa, aligning with UNESCO's recommendations on open science to accelerate scientific advancement and benefit the society.



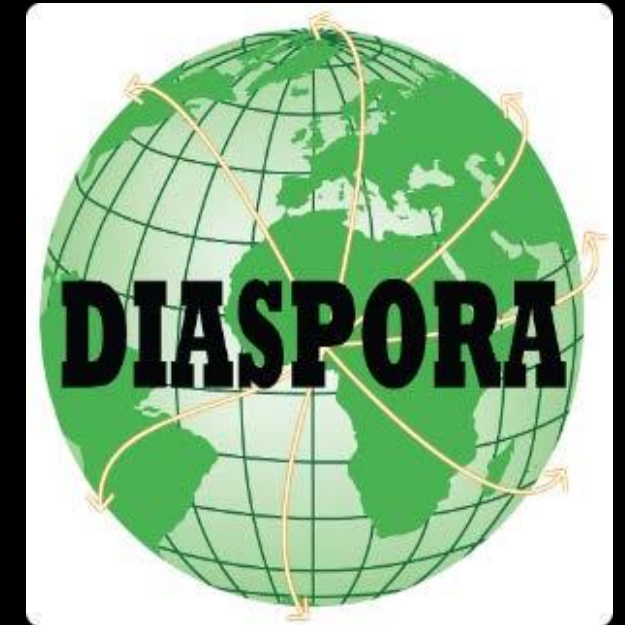
## Strengthen Partnerships

Engage with new and existing partners such as the UN Agencies, ISC, WMO etc to address demographic challenges and implementing Sustainable Development Goals (SDGs) through Science, Technology, and Innovation (STI) and foresights



## AAS Young Academy

Establish mentorship programs to groom young scientists and enhance scientific dialogue. The Academy also aims to expand its membership to include diverse talent from non-English speaking countries.



## Diaspora Fellows

AAS has embarked on recruiting into our fellowship, African-born scientists residing abroad who demonstrate prowess in the development and application of science in Africa.

# Contn....Opportunities Unveiled

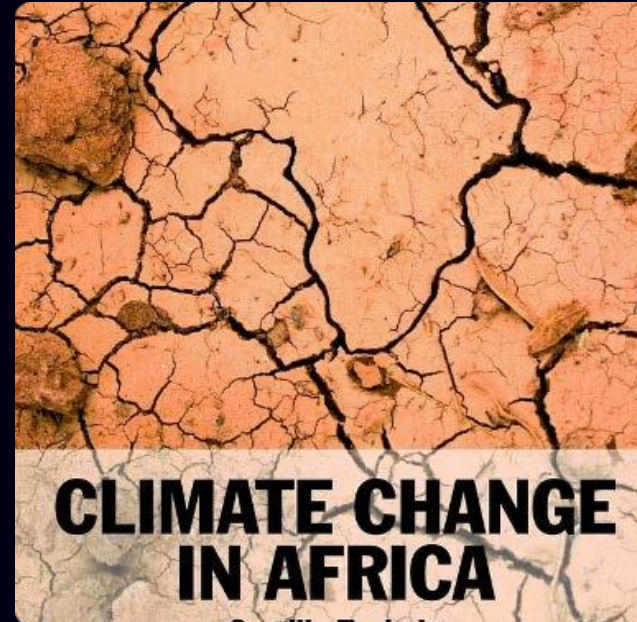


## Science Diplomacy

AAS commits to utilize science diplomacy for peace-building, conflict resolution, and international cooperation.

## Perspectives on the Futures of STI in Africa

Rewrite, reframe and reimagine the futures of STI for the Africa we want



## Climate Financing

AAS aims to mobilize climate finance for African nations to adapt to climate change and transition to clean energy sources. It will organize capacity-building programs and workshops to enhance access to climate finance across the continent.



## Digital Transformation

Leading initiatives in Artificial Intelligence (AI), big-data science, and cyber security, AAS endeavours to drive digitization in Africa. It seeks to shape policies and investments to optimize progress in digitization and applied basic sciences.

CONCLUSION



# A Roadmap for Excellence

- This Strategic Plan outlines the organization's ambitious vision and actionable steps towards achieving a transformed Africa led by science.
- The roadmap crystallizes our aspirations, charting a path laced with rigorous evaluation and unwavering pursuit of knowledge.
- As we execute this plan, our collective vigilance in continuous monitoring and evaluation will prove indispensable, safeguarding the alignment of actions with the esteemed values of the AAS.
- The prospects and opportunities in science for sustainable development is huge. However, we need to develop the landscape to anchor science at multiple and transdisciplinary and agile levels to make it work for Africa's industrial environmental and socio-economic development.
- Convene and engage with difference actors to reframe, rewrite and reimagine the Africa we want 2023 agenda
- The Africa Academy of Sciences cannot do this alone, so we invite all to join us in making science work for the Africa we want



# Thank you

**Contact us**

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[www.aasciences.africa](http://www.aasciences.africa)



**@AASciences**

Are you an  
AAS Fellow?