



About the Network of African Science Academies (NASAC)

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NASAC: The Voice of Science in Africa

NASAC (Network of African Science Academies) is a consortium of **merit-based science academies** in Africa

NASAC aspires to make the “**voice of science**” heard by policy and decision makers within Africa and worldwide.

NASAC was established on **13th December 2001** in **Nairobi, Kenya**, under the auspices of the **Inter Academy Panel**, currently known as the **Inter-Academy Partnership (IAP)**



Members and Mandate

30 Member-Academies

AAS (Regional)	Mauritius
Algeria	Morocco
Benin	Mozambique
Botswana	Nigeria
Burkina Faso	Senegal
Cameroon	South Africa
Congo Brazzaville	Sudan
Ethiopia	Tanzania
Ghana	Togo
Ivory Coast	Uganda
Kenya	Zambia
Madagascar	Zimbabwe
Burundi	Tunisia
Egypt	Rwanda
DRC	Eswatini

Independent network for African science academies to:

"Offer expert scientific guidance for shaping policies to advance development in Africa."



Board Members



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Founding President
(Soudan)



NASAC: Mission, Vision and Objective



Mission statement: NASAC aims to make African science academies agents of positive change, helping science to drive Africa's growth and sustainable development.



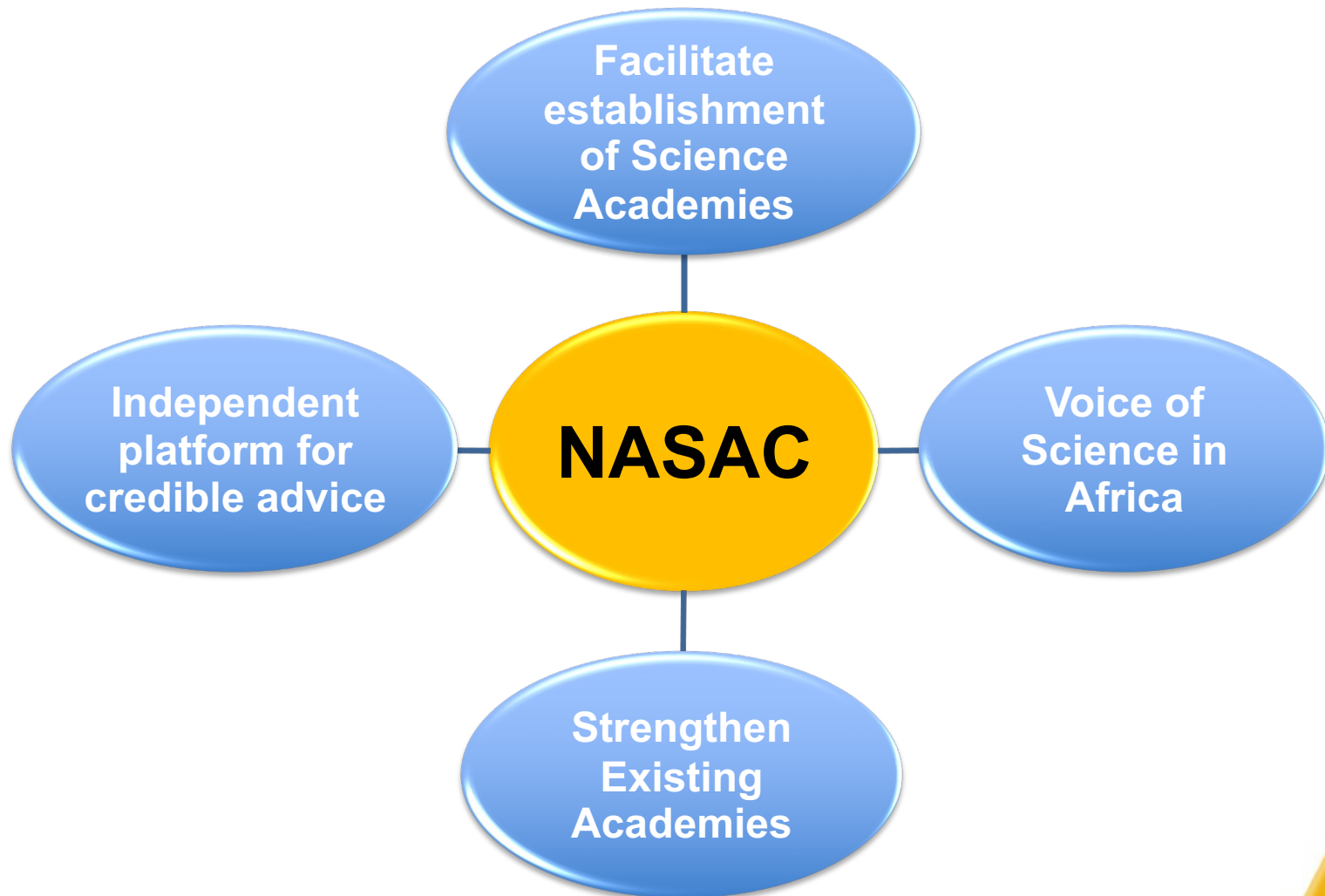
Vision: NASAC works to boost collaboration and knowledge sharing in the science community. It uses evidence-based research to improve development policies in Africa, including social, natural, and economic sciences..



Objective NASAC brings science academies together to discuss common challenges and make joint statements on important concerns for Africa, while supporting its member academies..



NASAC: Strategic Objectives





Advancing Scientific Excellence



- Early career scientists should join science academies to bring fresh ideas and innovation.
- Transdisciplinary research is promoted to create diverse communities of practice.
- Adapting knowledge to local contexts helps make science universal.
- Knowledge is created together to connect policy, academia, and society in Africa.



Convening power of NASAC



- Facilitates **international research collaborations** thru' awarding **grants and constituting expert panels** for consensus studies
- Hosts scientific conferences and workshops like **AMASA** (Annual Meeting of African Science Academies), Gene Editing Technology, Academy Development
- Provides policy advice to governments and decision makers - Contextualizing global issues to local environments



Programmes

NASAC's programs revolve around the following interests:

- Academy Development
- Capacity Building
- Climate Change
- Decarbonisation
- Science Education
- Synergy Building
- Women for Science



Programmes

Overview of key past Programmes

- **Leading Integrated Research for Agenda 2030 in Africa (LIRA2030).**

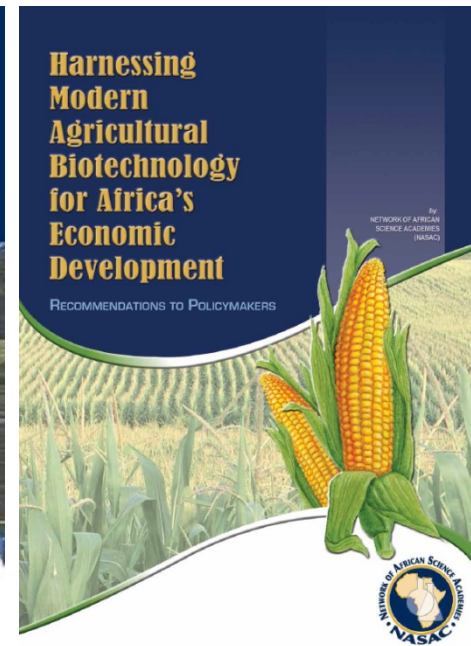
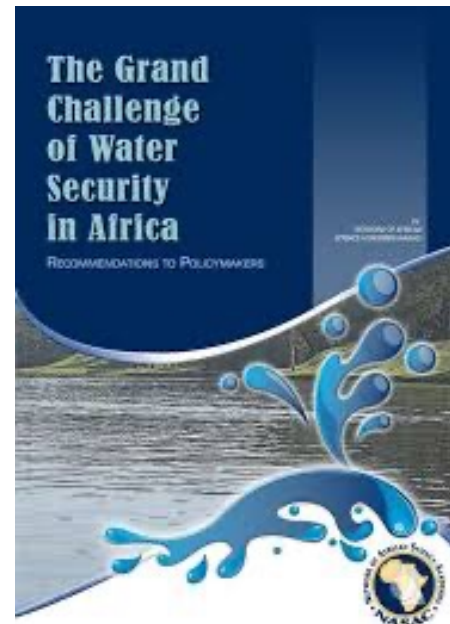
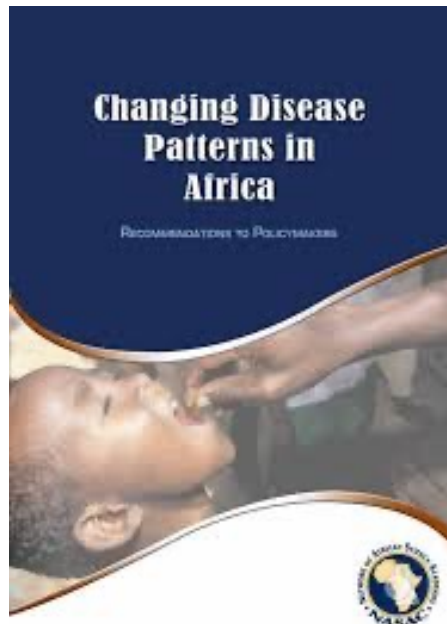
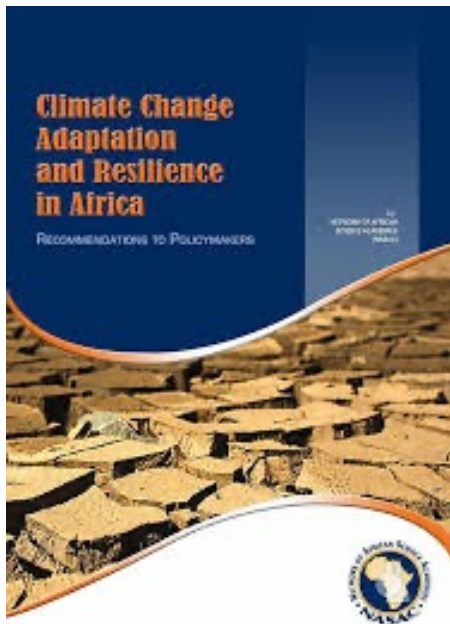
LIRA 2030 was the first research funding programme aiming to help early-career researchers in Africa undertake transdisciplinary research and foster scientific contributions to the implementation of Agenda 2030 in African cities, at a continental scale.

- Publication of **policymakers' booklets**
- **Climate Change and Health** (with IAP)
- **Food and Nutrition Security and Agriculture** (with IAP and later EC)



Other Resources for Science-policy interface

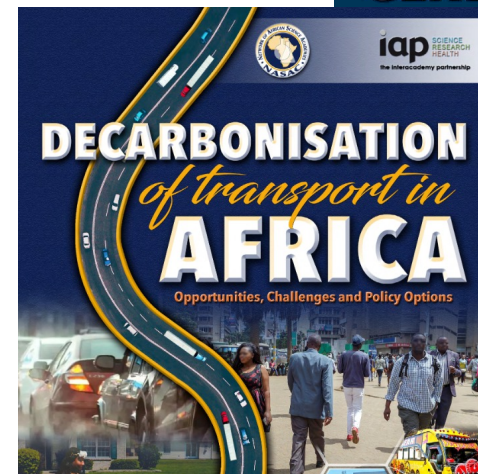
NASAC offers science advice through **policymakers' booklets**. Science Diplomacy ensures balanced geographical representation in expert panels or committees with no bias in race, nationality, gender or creed.



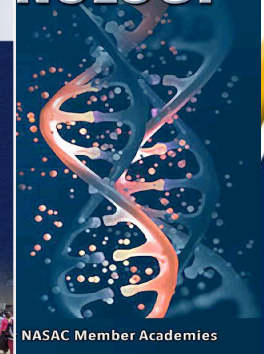
Programmes

Overview of key Programmes in 2024

- **Decarbonization of Transport in Africa Report** (with IAP)
- **Gene Editing Technology Initiative**
- Academy Synergy Building Sessions (ASBS)
- Academy Development Initiative (ADI) (with United Nations Technology Bank -UNTB)
- Science and Technology Education Programme (STEP)
- **Women for Science (WfS) Programme**



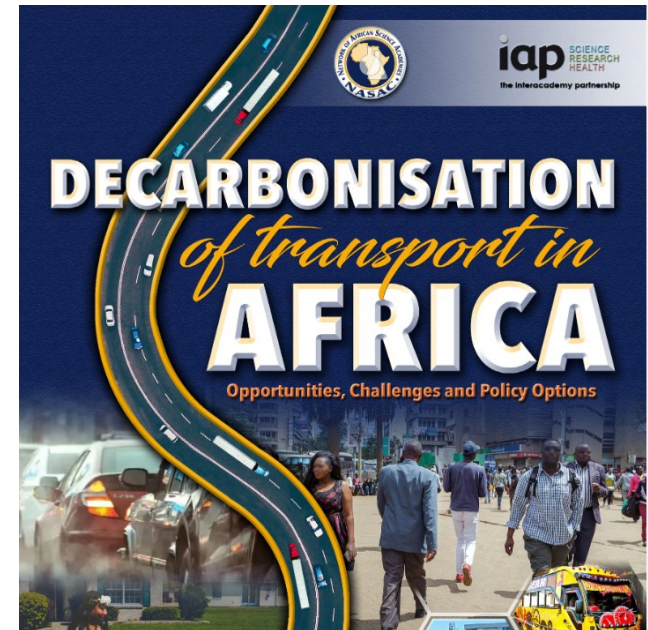
STATEMENTS on GENE EDITING TECHNOLOGY





Decarbonisation of Transport

- **Decarbonisation of Transport in Africa: Opportunities, Challenges and Policy Options**
- This project by NASAC tackles climate change by addressing transport emissions in Africa. It proposes solutions and best practices for policymakers and stakeholders to achieve a greener transport sector.





NASAC ASBS

- Academy Synergy Building Sessions (ASBS)
- Building a Stronger Scientific Voice for Africa: Join NASAC's Academy Synergy Sessions!
NASAC is empowering African science academies to drive innovation and policy change



NASAC ADI

The Network of African Science Academies (NASAC) is empowering African nations through science.

Their Academy Development Initiative (ADI) helps create new science academies and strengthen existing one



SURVEY REPORT: The State of Science Education in Africa



Survey period:

11 Nov.2020 – 12 Feb.2021

Respondents:

24 schools in 5 countries (Benin, Kenya, Nigeria, South Africa & Tanzania)

Mandate:

NASAC SEP Working Group

Scope:

All NASAC members



Recommendations from *The State of Science Education in Africa* Report

1. State of science education in Africa still needs major **improvements to meet demands of this Century.**
2. The survey was inconclusive due to the **limited responses**, hence limited in perspective and context.
3. The role of **ICT** in education should be enhanced to realize SDG4 and bridge the technological gap experienced in Africa.
4. The interaction of **science academies** and schools should be fostered.
5. **STEM careers** become attractive when research in the lab translates to practice in the marketplace.



The State of Science Education in Africa

In November 2023, the **STEP Working Group** reiterated the purpose of the programme as being:

- To propose, review and provide technical advice for science and technology education in Africa
- To contribute to initiatives and dialogues that significantly contribute to enhancing how science and technology is taught and learnt in Africa.



Overcoming Barriers

- Expand networks to improve collaboration between scientists, the private sector, and the government by providing reliable science advice for policymaking.
- Increase programs that help scientists get recognized and promote important science in Africa.
- Boost the impact of science on research that saves lives and supports livelihoods by focusing on the overall well-being of African society.



THANK YOU!

**For more information, please
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