



The African Light Source Foundation

Towards a Lightsource for the African Continent



AAS and the AfLS

AAS and AfLS signed a partnership MoU
NEW Dec 2024



AAS and SESAME

SESAME and AfLS signed a partnership MoU



AAS and LAAAMP

LAAAMP and AfLS signed a partnership MoU





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AfLS → AAS-AfLS

- New Exec (Larger, new AAS members)
- New name
- Premises at the AAS headquarters in Nairobi
- Full time Executive Office

- Roadmap
 - Training, Mobility, Conferences, Workshops
 - CDR, STFs, INT0104,
 - Fundraising, Government level profile

- Enhancements / New elements of the RoadMap
 - Fundraising
 - AAS-AU-NEPAD MOA : Upgraded partnership
 - Linkage to academies: Continent wide, World Wide
 - AAS is a key implementation engine for STISA (esp w.r.t. Infrastructure).
 - African Light Source is a defined deliverable for Infrastructure
 - Target is \$2B



The African Light Source Foundation

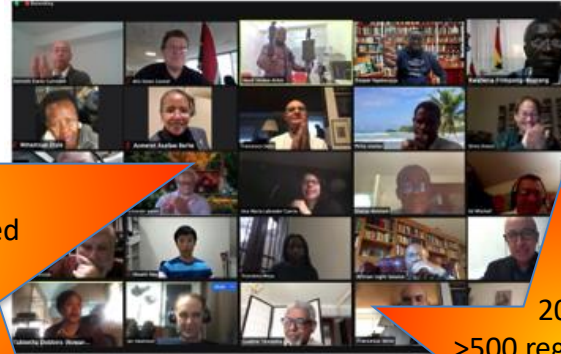
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Conferences

2015, 2019, 2020, 2021,
2022, 2023,
2024, 2025, 2026

2021
Now 5 African
Governments involved
Many co-conveners
Prof bodies
Academies



2021
>500 registrations



2022
~1000 registrations

- AfLS1 2015
<https://events.saip.org.za/event/61/>
- AfLS2 2019
<https://events.saip.org.za/event/145/>
- AfLS3 2020
<https://events.saip.org.za/event/211/>
- AfLS4 2021
<https://events.saip.org.za/e/AfLS3>
- AfLS5 2022
<https://events.saip.org.za/e/AfLS2022>
- AfLS6 2023
<https://events.saip.org.za/event/243/>
- AfLS7 2024
<https://events.saip.org.za/event/249/>
- AfLS8 2025
<https://events.saip.org.za/event/243/>
- AfLS9 2026
<https://events.saip.org.za/event/249/>



Joint 2nd International Conference of the
AFRICAN LIGHT SOURCE (ALS2)
and
PAN AFRICAN CONFERENCE
Venue: Bank of Ghana Conference Hall
University of Ghana
Opening Ceremony:
8am - Tuesday 29th Jan 2019



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3 Strategic Task Forces launched: Dec 2024 @ AAS GA and Scientific Conference

available [Here](#)

The African Beamline at an international AdLS

This is an African designed and operated beamline at an International AdLS that can address selected African Research Imperatives. It leads additionally to the training of engineers and technologists and will result in Technology Transfer. **SESAME in ME, HEP in China**

The Collective African membership of an international AdLS

Here several African countries jointly acquire formal membership of an international AdLS. They leverage a threshold of participation that allows African Government involvement in the Council of the Facility, so that there is increased African Access of Researchers, technologists, Industries and also Governments.

African Regional Infrastructure

This is research infrastructure that is both highly competitive in its own right but which is also seen as important training and feeder infrastructure to an AdLS.

“Leave no country behind.”



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Conceptual Design Report: Available [here](#)



Complete: Launched at AAS event in Nigeria, Dec 2024



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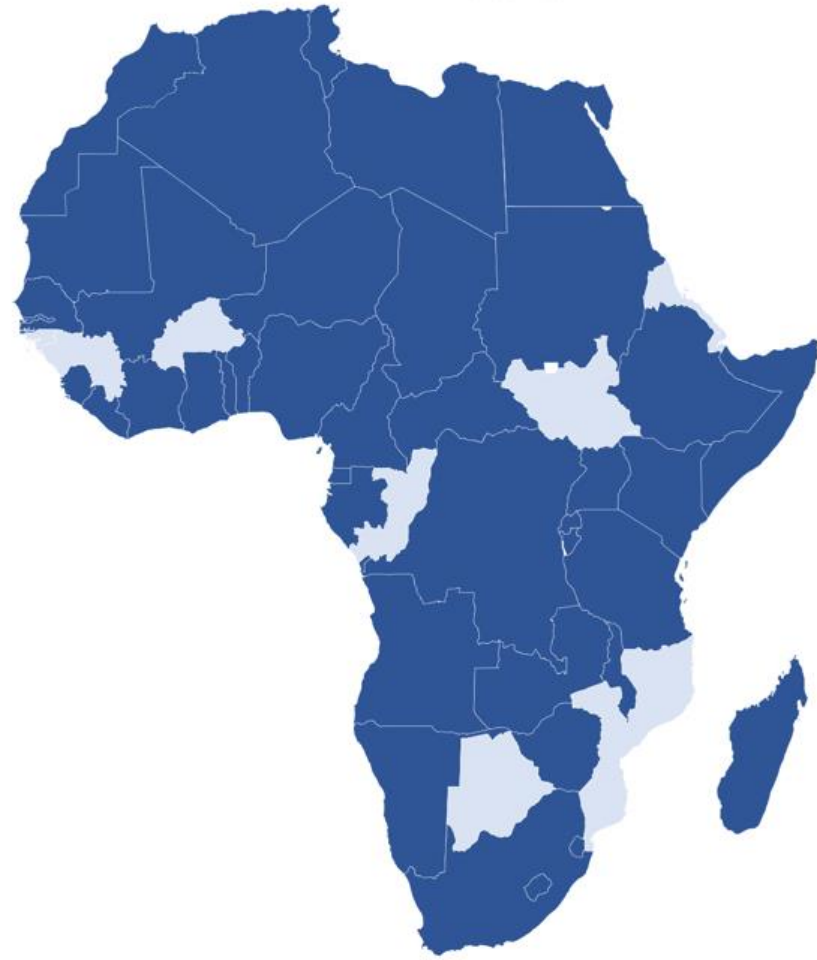
IAEA TC Project - INT0104

- Enhancing Transnational Collaboration among Light Sources and Expanding the User Base
- **Training Platform / Material, Mapping →**
Pan African Virtual University

Opportunity to expand Footprint within Africa,
and increase international linkages

49/56 Countries in Africa
within AFRA, NEST and with TC Support

African Country → National Liaison Office → Community





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Milestones on the Timeline of the Roadmap

