African Strategy for Fundamental and Applied Physics Pan-African, gender balanced and inclusive

Mandating Body : African Physical Society

Steering Committee: <u>ASFAP-SteeringCommittee@cern.ch</u>

- Dr. Kétévi Adiklè Assamagan
- Prof. Simon Connell
- Prof. Farida Fassi

ASFAP

1eguamepur

and puplied ,

- Prof. Shaaban Khalil
- Dr. Fairouz Malek
- nagan (BNL, USA), <u>ketevi@bnl.gov</u> (University of Johannesburg, SA), <u>si@mykonos.org.za</u>
- (Mohammed V University, Morocco), <u>farida.fassi@cern.ch</u>
- il (CFP, Zewail City, Egypt), <u>skhalil@zewailcity.edu.eg</u>
- (CNRS and Grenoble Univ., France), <u>fmalek@lpsc.in2p3.fr</u>



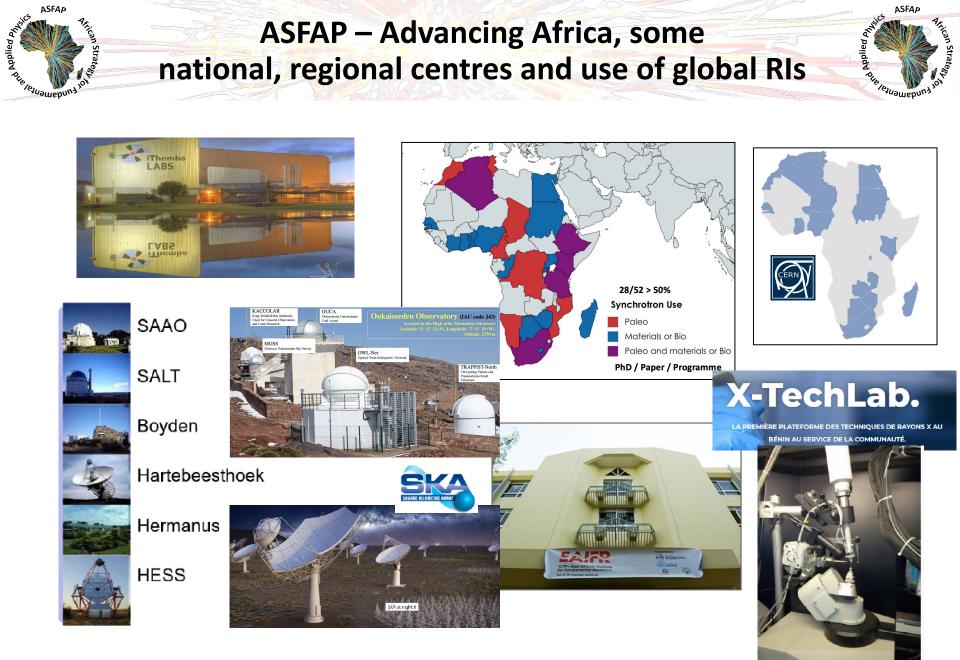
Web : https://africanphysicsstrategy.org/,Wiki : https://twiki.cern.ch/twiki/bin/view/AfricanStrategyTwitter: https://twitter.com/StrategyAsfap

asfad

leque wepur

ASFAP Dutline Outline

- The African Strategy
 - Motivation, steering committee, time scale, expectation, general structure of the organization
- Structural Organization
- Members of the IAC
- Groups and subgroups
- Timeline
- Endorsement and Support
- How can you get involved?



The African Strategy

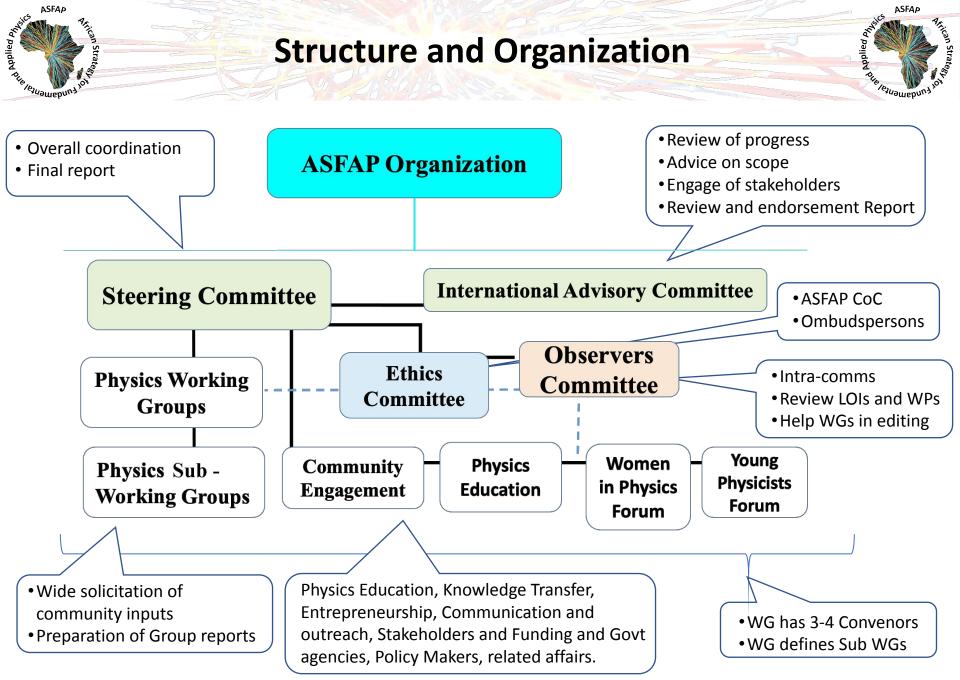
1. Objectives

pppliec

- a. Develop a Strategy to increase African education and research capabilities, improve collaborations, and inform international partners, sponsors, policymakers on the strategic directions likely to impact African development
- b. Engage African scientists and the international community in the Strategy development
- C. The process to take a few years, to end with the release of the strategy report which will suggest the direction, with actionable items for the next decade. To be repeated periodically, every 7-10 years for the following decades with a review of the impact of previous Strategies
- d. This inaugural African Strategy to set the foundation and framework to draw the participation of African physicists —with inputs from the international communities—in defining education and physics priorities most impactful for Africa

2. General Structure

- a. Broad footprint by discipline and fields
- b. Steering Committee, Advisory Committee, Group Conveners, Sub-group Conveners
- **c**. Solicitation of inputs from the community in the form of Letters of Intent, and White Paper Study Groups
 - i. Progress discussed in the relevant groups
 - ii. Subgroup and group final reports (at the subgroup and convener levels); Strategy report at the Steering Committee level
 - iii. Feedback and advice from the IAC
- **3.** Logistics Post COVID Virtual Working enabled by electronic technology platforms
 - a. Website, Twiki pages for working groups, Cloud repository, multi-group mailing lists, discussion forums, Indico meeting Agendas and virtual workshops continuous development



ASFAD ASFAD Pollade Hus Resussion Strates Sector

ASFAP Web





Twiki

Twiki Page

DOCUMENTS

Founding Document Strategy Report

SUPPORTS

Endorsement Financial & In-kind

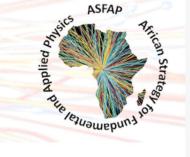
ORGANIZATION

SteeringCommittee AdvisoryCommittee

GROUPS

Accelerators Astrophysics & Cosmology Atomic & Molecular Physics Biophysics Computing & 4IR Earth Science Energy Fluid and Plasma Instrumentation & Detectors Light Sources Condensed Matter & Materials Physics

African Strategy for Fundamental and Applied Physics



MISSION	FOLLOW US ON SOCIAL MEDIA				
COMMUNITY INPUTS	in 🔰				
Calls for Letters of Interest	LINKS				
INTRODUCTION	1. African Physics Society				
Scientific and technological achievements have become common- place. As remarkable as these achievements are for other regions of the world, enormous challenges and opportunities remain to be ad-	2. African Academy of Sciences 3. The Network of African Science Academies (NASAC)				
MISSION ORGANIZATION TIMELINE SUPPORT					
fields such as Fundamental and Applied Physics, has been over the years under-valued and under-resourced. The vision is that Africa should take its equal place as a co-leader in the global scientific process, along with all the social-economic benefits thereto. The ne- cessity of initiating ASFAP has become essential for Africa, hence our ambition and motivation to jump-start this process.	RECENT POSTS: AFRICA PHYSICS STRATEGY Calls for community inputs ASFAP on Symmetry Magazine ASFAP interviewed on rfi				
FOUNDING DOCUMENTS	EVENTS				

The full proposal of the African Strategy is accessible at <u>Founding</u> <u>Document</u>.

EVENTS

ASFAP A point of the result of

ASFAP Twiki structure, activity

Log In
AfricanStrategy

DOCUMENTS

Founding Document Strategy Report WG Guidelines

SUPPORTS

Endorsement Financial & In-kind

ORGANIZATION SteeringCommittee

AdvisoryCommittee GroupConveners

PHYSICS GROUPS Accelerators **Astrophysics &** Cosmology Atomic & Molecular Physics **Biophysics** Computing & 4IR Earth Science Energy Fluid and Plasma Instrumentation & Detectors **Light Sources Condensed Matter & Materials Physics Medical Physics Nuclear Physics Particle Physics Optics and Photonics Complex Systems**

ENGAGEMENT

Community Engagement Observers Committee Ethics Committee Physics Education Women in Physics Forum TWiki > AfricanStrategy Web > AfLightSources (2021-10-05, KeteviAssamagan)

Light Sources Working Group

This is the working group on light sources and their applications in Africa. The group is convened by three experts and may be subdivided into subgro

GROUP CONVENERS in brief

NAME	AFFILIATION	EMAIL	Gender	African origin/Diaspora
Dr. Thierry d'Almeida	Benin	tdalmeida[at]semecity.com	М	Benin
Dr. Tabbetha Dobbins	Rowan U., USA	Dobbins[at]rowan.edu	F	African-American
Dr. Gihan Kamel	Helwan U., Egypt and SESAME Light Source	gihan.kamel[at]sesame.org.jo	F	Egypt

GROUP OBSERVERS in brief

NAME	AFFILIATION	EMAIL	Gender	
Dr. Simon H. Connell	University of Johannesburg, South Africa	Si[at]lmykonos.org.za	М	South Africa

DOCUMENTS

Code of Conduct

ASFAP Tips 🗗

Guidelines for Working Groups

REGISTRATION

To register to this Working Group, go here

ASFAP

Today	October 2021	-				Print Week	Month	Agenda 💌
Sun	Mon		Tue	Wed	Thu	Fri		Sat
	26	27	28	29	30	Oct 1		2
				8am ASFAP Steering 1pm ASFAP YPF Mee		8am ASFAP Biophys		
	3	4	5	6	7	8		9
				1pm ASFAP YPF Men	8am Meeting with AS			

ASFAP

Ale leguamepund'

African

104

amisics

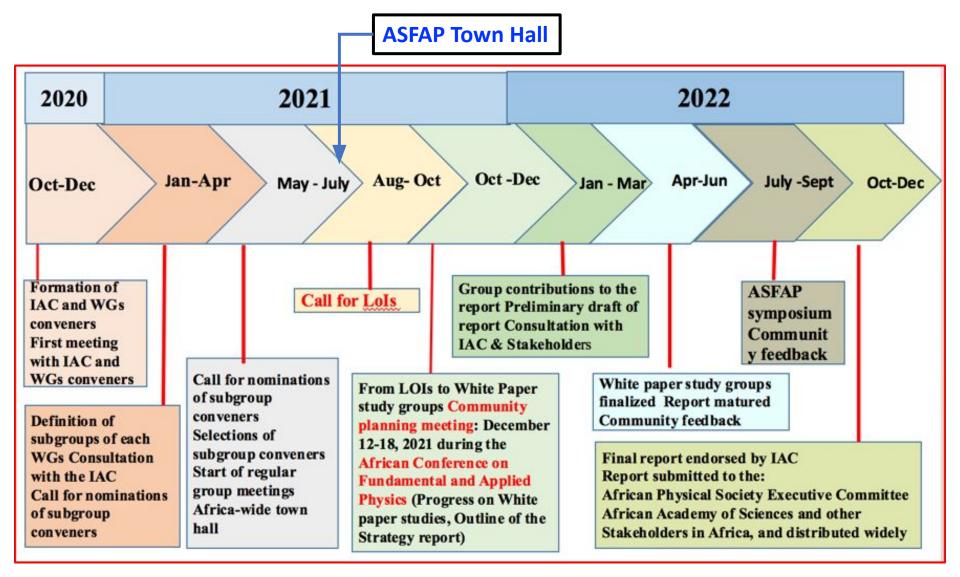
pplied

ASFAP Timeline

ASFAP

leguamepun?

and pupplied py.



ASFAP

lezuamepun?

How can you get involved

- 1. Nominate subgroup conveners and liaisons
- 2. Volunteer for (sub)conveners

∆SFA*t*

_{and} ppplier

3. Submit LOIs until November 30, 2021

https://indico.cern.ch/event/1061921/

- 4. Participate in White Paper study groups
- 5. Participate in (sub)group meetings
 - a) Offer your constructive opinions and expertise
- 6. Encourage your research groups to get involved
- 7. Encourage institutional credits for those working on this Strategy
 - a) For people in leadership roles as (sub)conveners and liaisons
 - b) White papers aim to be published
 - c) White paper finding reviewed and referenced in the Strategy report



Thuma mina – Send Me https://www.youtube.com/watch?v=d4Bwux-btq0 Musician Hugh Masekela Inspired SA President Cyril Ramaphosa

I WANNA BE THERE WHEN THE PEOPLE START TO TURN IT AROUND/ WHEN THEY TRIUMPH OVER POVERTY/ I WANNA BE THERE WHEN THE PEOPLE WIN THE BATTLE AGAINST AIDS/ I WANNA LEND A HAND/SEND ME."

HUGH MASEKELA