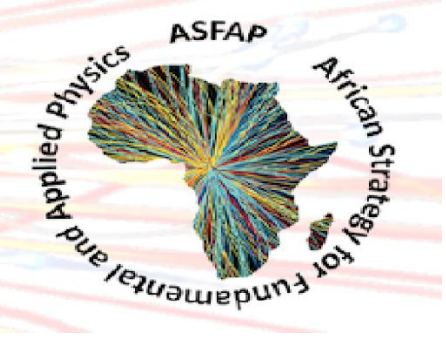


# African Strategy for Fundamental and Applied Physics



1st ASFAP meeting with the Community Engagement Working Group  
Tuesday April 13th – 2.30 pm (UTC+2)



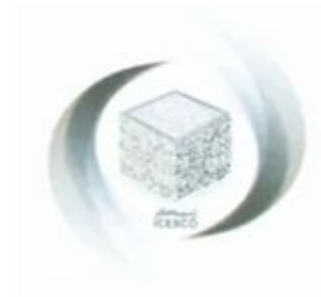
science and technology  
Department  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

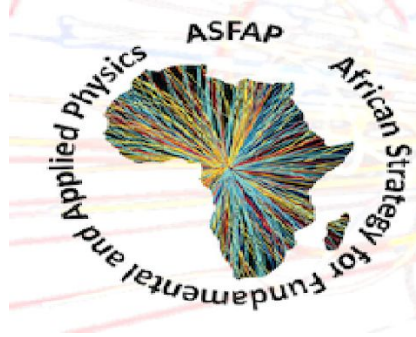


United Nations  
Educational, Scientific and  
Cultural Organization



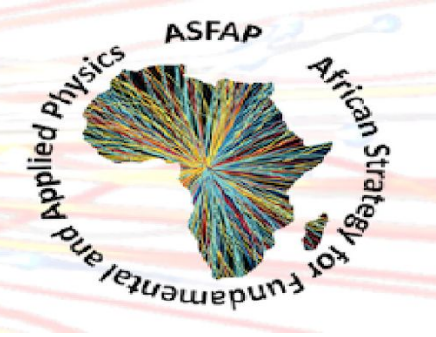
ICTP - East African Institute  
for Fundamental Research  
under the auspices of UNESCO





## African Strategy for Fundamental and Applied Physics

### The ASFAP initiative



**ASFAP Web page:** <https://africanphysicsstrategy.org/>

**ASFAP founding document:** <https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/AfFoundingDocument>

The International Advisory Committee (**IAC**):

<https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/InternationalAdvisoryCommittee>

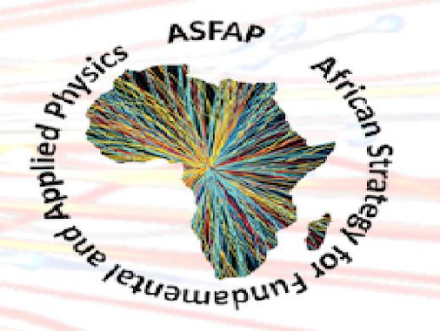
**Support and sponsors:** [https://africanphysicsstrategy.org/?page\\_id=117](https://africanphysicsstrategy.org/?page_id=117)

**WGs guidelines and Code-of conduct:**

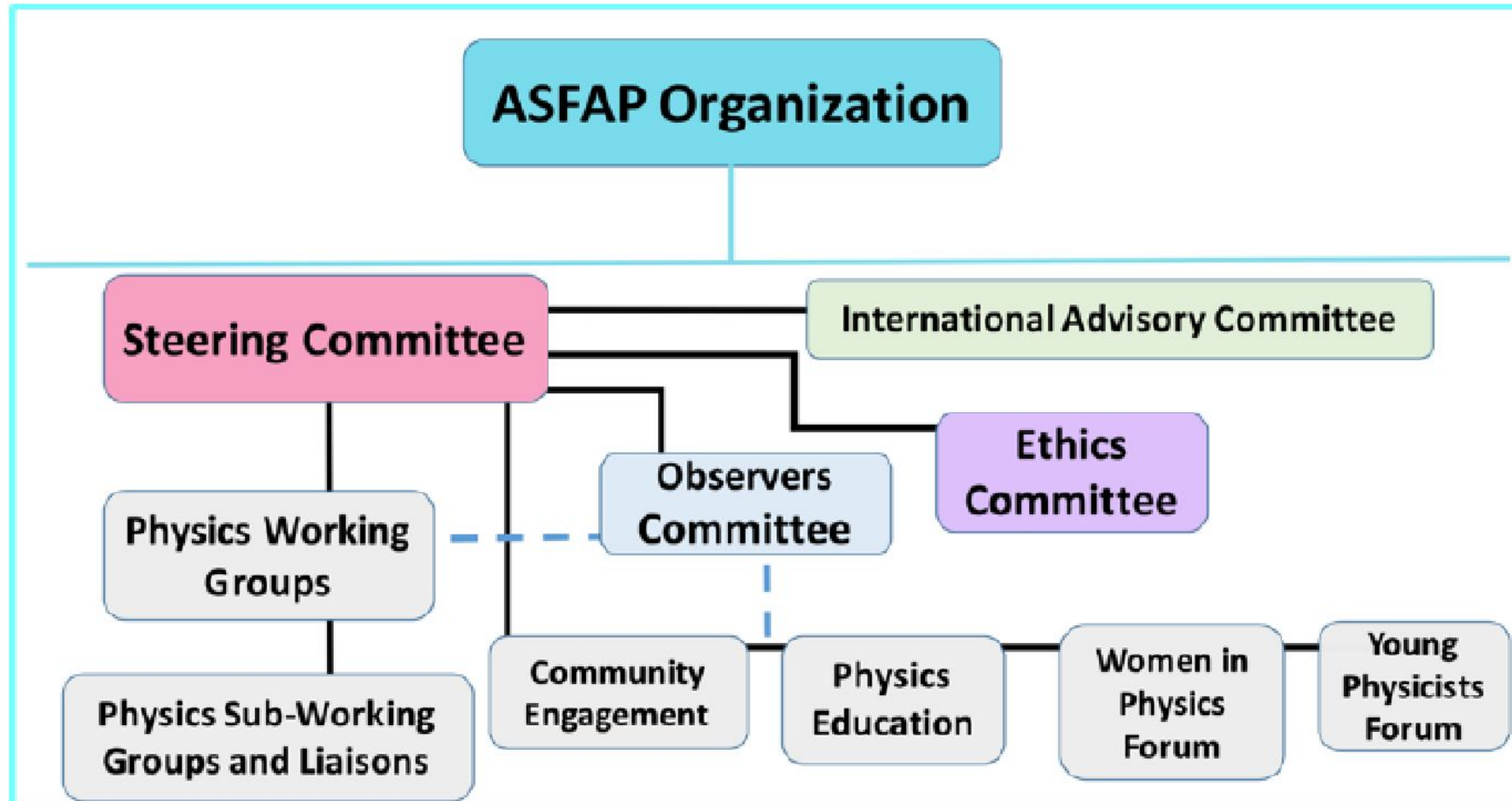
[https://africanphysicsstrategy.org/?page\\_id=161](https://africanphysicsstrategy.org/?page_id=161)

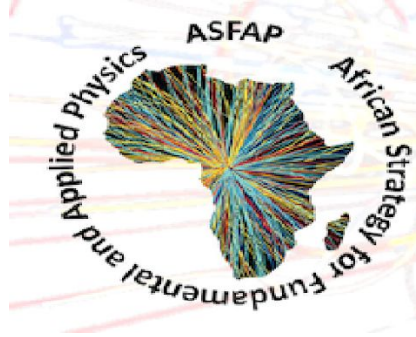


# African Strategy for Fundamental and Applied Physics



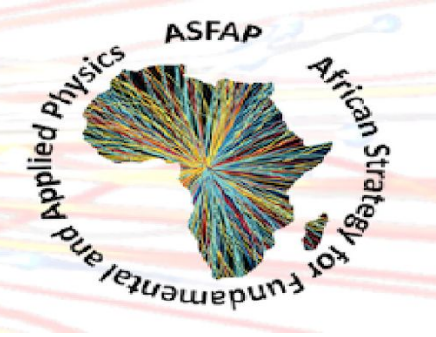
## ASFAP Organization





## African Strategy for Fundamental and Applied Physics

# ASFAP Working Groups



**16 Physics Working groups:** Accelerators, Astrophysics & Cosmology, Atomic & Molecular Physics, Biophysics, Computing & 4IR, Earth Science, Energy, Fluid and Plasma, Instrumentation & Detectors, Light Sources, Materials Physics, Medical Physics, Nuclear Physics, Particle Physics, Optics and Photonics, Theoretical & Applied Mechanics

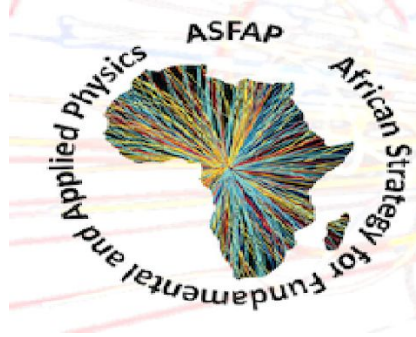
**Observers Committee, Ethics Committee**

**Engagement Committees:** **Community Engagement**, Physics Education

**Forums:** Women in Physics Forum, Young Physicists Forum

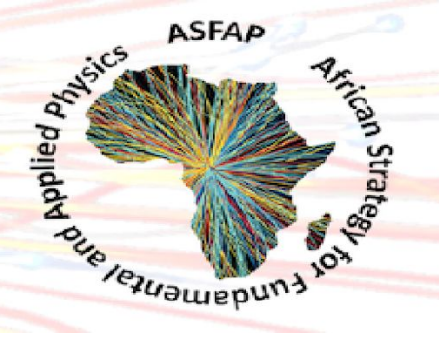
**Twiki page :** <https://twiki.cern.ch/twiki/bin/view/AfricanStrategy>

**ASFAP tips:** <https://drive.google.com/file/d/1bB7Cfu7d3UBzqDqbKoyyolZ8mkKX54bA/view>



## African Strategy for Fundamental and Applied Physics

# Milestones and deliverables



### 2020-2021

#### •October - December 2020

- Formation of IAC, working groups and group conveners
- First meeting with IAC and group conveners / invitation to stakeholders

#### •January - March 2021

- Definition of subgroups of each working group
- Consultation with the IAC / stakeholders
- Call for nominations of subgroup conveners

#### •April - June 2021

- Selections of subgroup conveners
- Start of regular group meetings
- Africa-wide town hall

#### •July - September 2021

- Call for Letters of Intent
- From LOIs to White Paper study groups

#### •October - December 2021

- Community planning meeting
- White paper studies in progress
- Outline of the Strategy report 6

### 2021-2022

#### •January - March 2022

- Group contributions to the report
- Preliminary draft of report
- Consultation with IAC & Stakeholders / IAC & Stakeholders feedback

#### •April - June 2022

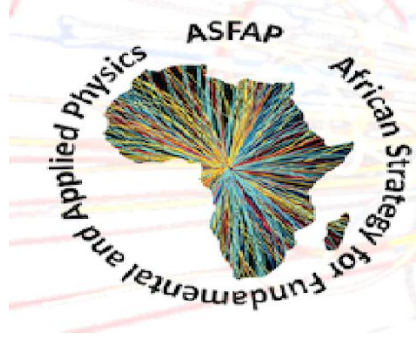
- White paper study groups finalized
- Report matured
- Community feedback

#### •July - September 2022

- ASFAP symposium
- Community feedback

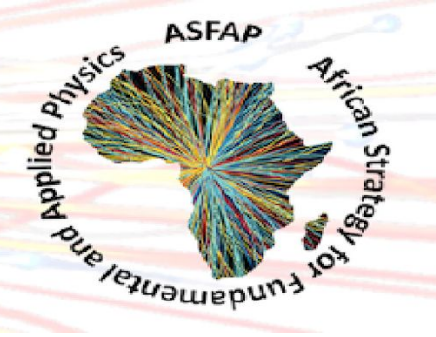
#### •October - December 2022

- Final report endorsed by the AfPS Executive Committee and IAC
- Report submitted to the African Academy of Sciences and other Stakeholders in Africa, and distributed widely



## African Strategy for Fundamental and Applied Physics

# Community Engagement



**Twiki page:** <https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/AfCommunityEngagement>

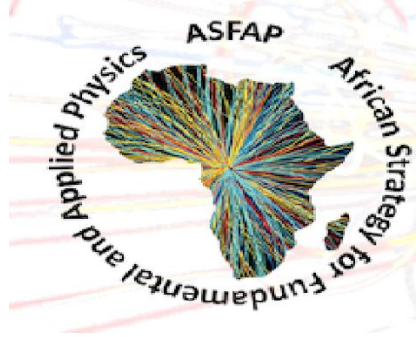
**Mailing list:** ASFAP-CommunityEngagement@cern.ch

### GROUP CONVENERS

NAME	AFFILIATION	Gender	African origin/Diaspora
Dr. Marie Clémentine Uwineza NIBAMUREKE	University of Johannesburg	F	Rwanda
Prof. Jamal Mimouni	Constantine U., Algeria and President of <a href="#">AfAS</a>	M	Algeria
Prof. Ndeye Arame BOYE-FAYE	Cheikh Anta Diop University	F	Senegal

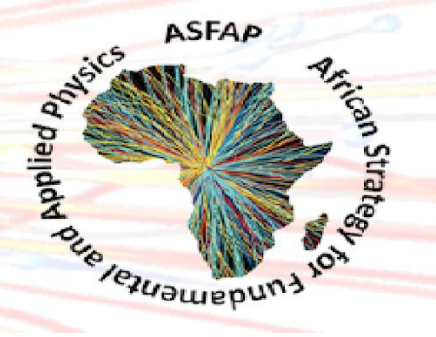
### OBSERVERS Committee members

NAME	AFFILIATION	Gender
Dr. Nabila Aghanim	IAS, CNRS and Université Paris-Saclay, France	F
Prof. Abdesslam Arhrib	Abdelmalek Essadi University, Tetouan, Morocco	M
Prof. Yassine Hassouni	Mohammed V University in Rabat	M
Prof. Peter Jenni	Freiburg University and CERN	M
Dr. Claire Lee	Fermilab, USA	F
Prof. Mourad Telmini	Université Tunis El Manar, Tunisia	M



## African Strategy for Fundamental and Applied Physics

# Community Engagement



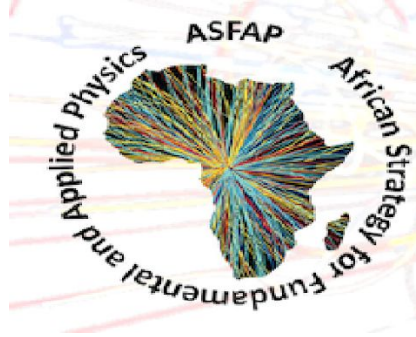
**Twiki page:** <https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/AfCommunityEngagement>

### TOPICS

- Physics Communication and Outreach
- Technology transfer
- e-lab & e-learning
- Internet connectivity / internet startup resources
- Capacity development
- Applications and industry
- Business Development and Entrepreneurism
- Public Education and Outreach
- Diversity and Inclusion and Equity
- Government Engagement and public policy
- Career pipelines & Development
- Retention

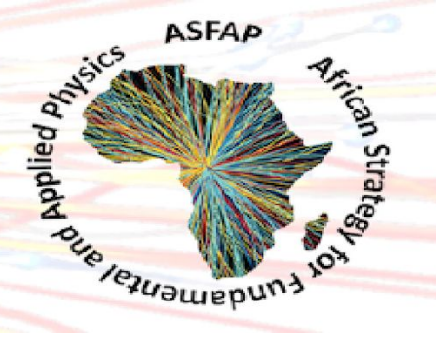


**Sub-Groups and liaison conveners**



## African Strategy for Fundamental and Applied Physics

### The ASFAP process



#### 1-Letters-of-Interest(LOIs)

Letters of Interest (Lols) are informal documents intended to be useful in the first stages of the ASFAP study. They will help ASFAP conveners to prepare the ASFAP Community Planning Meeting that will take place on October-December 2021. Lols could include opinions, interests and proposals that could further be studied. They should contain a maximum of 2 pages of text, plus relevant bibliography. Lols are submitted to ASFAP by any physicist or group of physicists.

#### 2-White papers

White papers may include documents on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities, including those related to community involvement. White papers will remain part of the permanent record of ASFAP. The deadline for the white paper final study is expected in June 2022.

#### 3-Intermediate and final reports

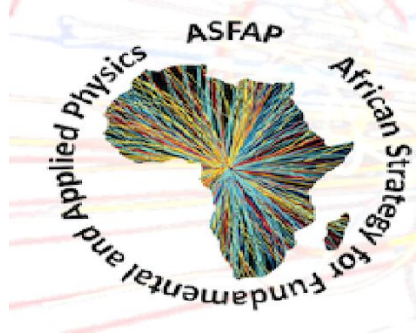
A 3 months intermediate term report should summarize the working group activities.

An annual report on the working group activities as well as the outcome of the reflection on the Strategy should be delivered.

#### 4- The final report is compulsory at the end of the process.

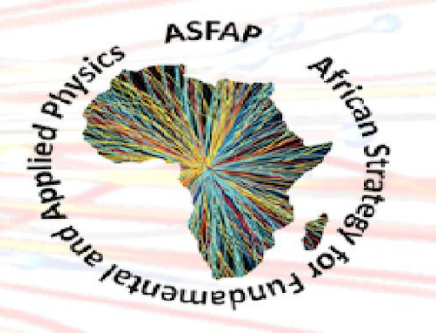
[See details in Working groups guidelines](#)





## African Strategy for Fundamental and Applied Physics

### Some tips



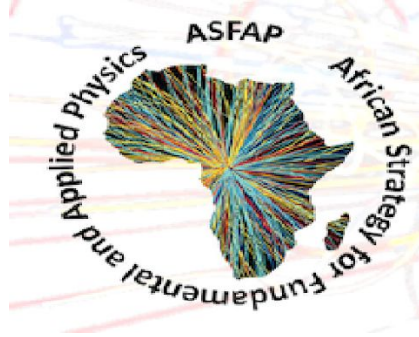
- You need a **CERN account** to be able to handle some tools such as e-groups (mailing lists) and the Twiki pages. For this, if not yet done, please create your CERN account using your usual e-mail. Please go here: <https://account.cern.ch/account/Externals/RegisterAccount.aspx>

Account information	
Email *	<input type="text"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Phone	<input type="text"/>
Company/Organization	<input type="text"/>
Department/Division	<input type="text"/>

- You or members of your community should **self-subscribe to email lists of interest** after they complete step 1). To subscribe to self-subscribe to email lists of interest:
  - a) go here <https://e-groups.cern.ch/e-groups/EgroupsSearchForm.do>
  - b) if prompted, login with the email that you registered in step 1)
  - c) Type **ASFAP** into the Search box and search. This will give you the list of all the ASFAP email groups
  - d) Click on “Subscribe” for the groups that you want

- Once you have registered for a CERN account, give it 24h for DB synchronization before you check if you are able to **Edit or attach a file to the Twiki page**.





## African Strategy for Fundamental and Applied Physics

# Summary and discussions

