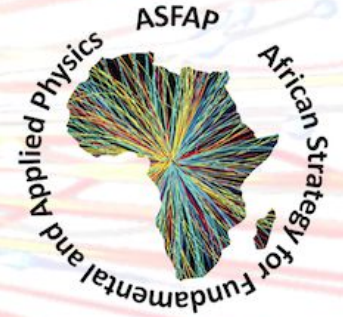


## African Strategy for Fundamental and Applied Physics



# ASFAP—Young Physicists Forum

ASFAP Community Town July 12-15, 2021

**Mounia Laassiri**

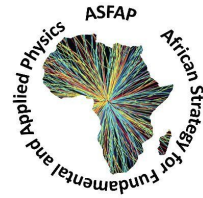
Mohammed V University in Rabat, Morocco  
On behalf of the YPF Co-conveners



**July 14, 2021**

[www.africanphysicsstrategy.org/](http://www.africanphysicsstrategy.org/)

# What is ASFAP?



## *The African Strategy for Fundamental and Applied Physics*

*ASFAP* is a scientific study. It provides an opportunity for the entire *Fundamental* and *Applied Physics* community to come together to identify and document a scientific vision for the future of **Fundamental** and **Applied Physics** in Africa.

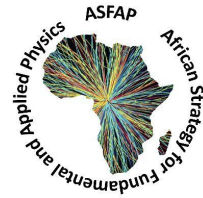
[www.africanphysicsstrategy.org/](http://www.africanphysicsstrategy.org/)



- *16 Physics Working Groups*
- *6 Engagement Committees and Fora*
- *200 Individual Members*



# Young Physicists Forum (YPF) at a glance



**The Young Physicists' Forum (YPF)** is an opportunity for Young African Members of the Fundamental and Applied Physics community to gather, study and debate major issues they face in their research careers.

**Discussions will be organized around three major topics:**

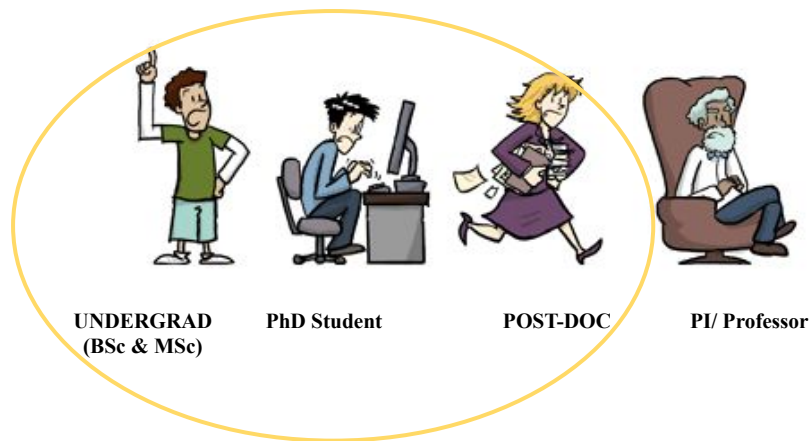
- **Outreach and education**
- **Impact of globalization**
- **Building a robust and balanced field**



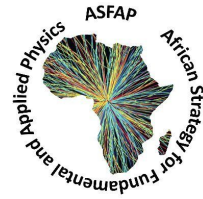
# Young Physicists Forum (YPF) at a glance

YPF is a project started in 2021 by **ASFAP**, as a forum for **students and early career researchers** in Physics.

- ✓ **Encourage** leadership in young researchers in physics
- ✓ **Foster** physics among local communities and institutions
- ✓ **Connect** young physicists in Africa



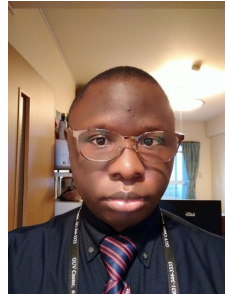
# YPF Infrastructure



YPF project is managed by a Co-conveners consisting of



**Dr. Amani M. Ebrahim**  
SLAC  
USA



**Dr. Bernard Mulilo**  
University of Zambia  
Zambia



**Dr. Diallo Boye**  
Brookhaven National laboratory  
USA  
Particle Physics



**Dr. Mounia Laassiri**  
Mohammed V University  
Morocco  
Energy and Nuclear Physics

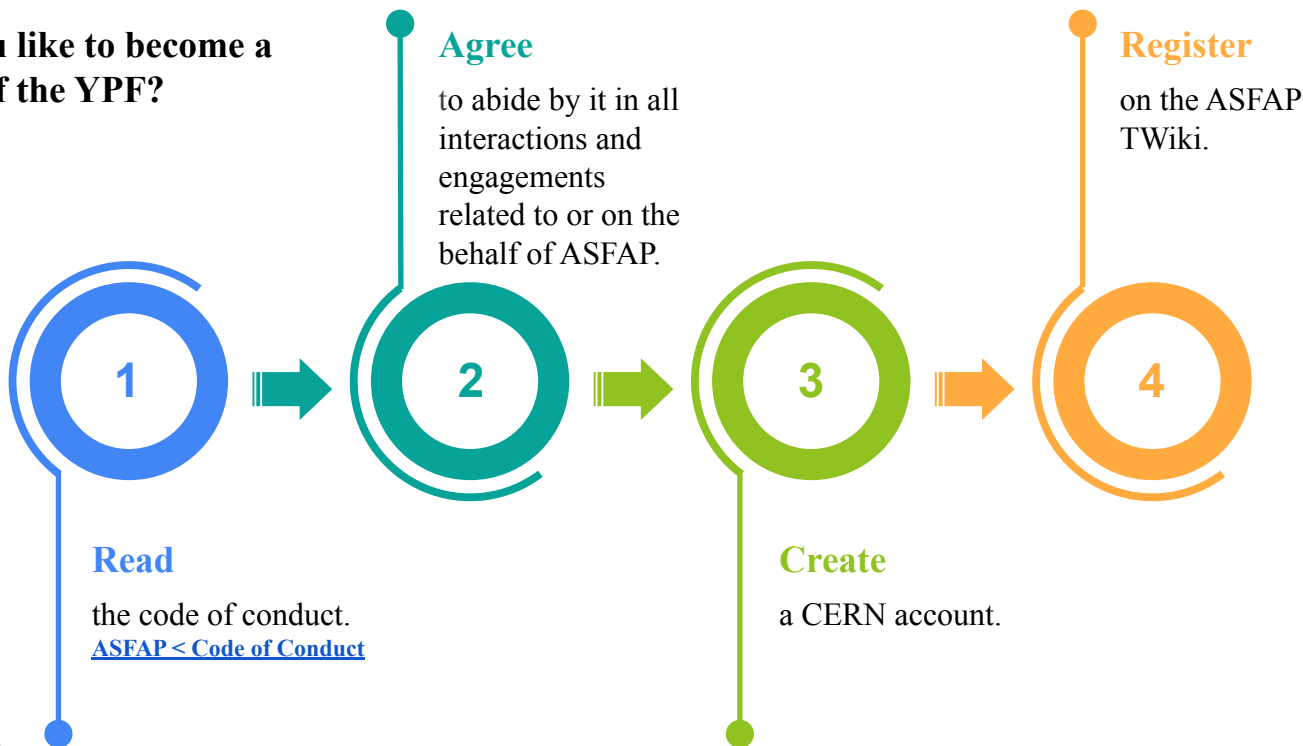


**Young Physicists Forum:** [ASFAP-YoungPhysicists@cern.ch](mailto:ASFAP-YoungPhysicists@cern.ch)

# How to become a YPF member

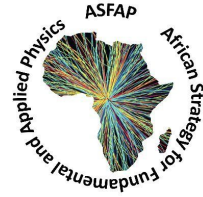
Would you like to become a member of the YPF?

**Just ask!**



The instructions for registration as a member are available at: [AfYoungPhysicists < AfricanStrategy < TWiki \(cern.ch\)](#)

# Benefits of joining the YPF



## OUTREACH

Increase the awareness for the importance of scientific research amongst the young African Students.

## PROFESSIONAL DEVELOPMENT

Acquire new skills and knowledge both for professional and career advancement.

## NETWORKING

Bring together the community to design ways to enhance the young scholars in Africa.

*Be part of an African network of people that share your passion for physics*



## ...why ASFAP is promoting YPF?

- Give young African students a space and a tool to realize their ideas
- Open the laboratories doors
- Create in young African students new skills
- Improve the career
- Teaching from an early age that the understanding of *physics*, it is a need for the civil society
- Look around to design their own career

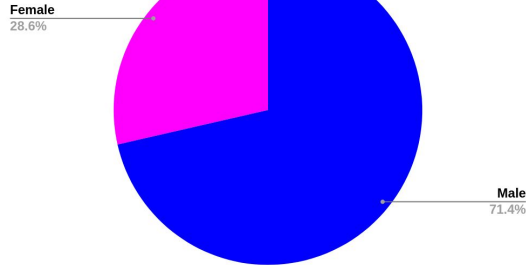
### *Moreover*

- Improve English
- Meet other African cultures and learn to socialize with them
- Learn to manage time for study, research and volunteering

# YPF Members

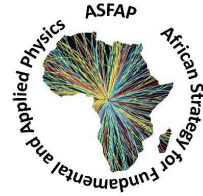
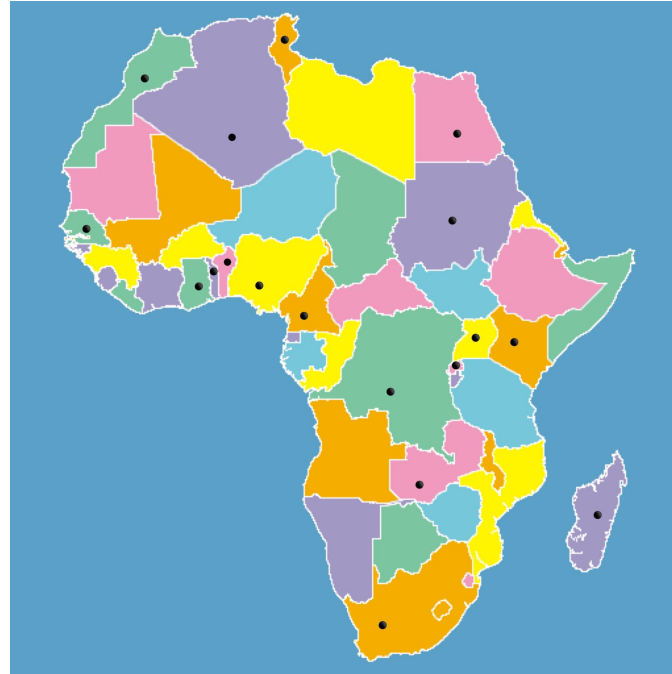
- Algeria (1)
- Benin (1)
- Cameroon (1)
- Congo (1)
- Egypt (1)
- Ghana (1)
- Kenya (1)
- Madagascar (1)
- Morocco (11)
- Niger (7)
- Rwanda (1)
- Senegal (1)
- South Africa (4)
- Sudan (2)
- Togo (2)
- Tunisia (1)
- Uganda (1)
- Zambia (3)

Gender distribution



## 40 Members:

- 18 African Countries
- > 3 Countries out of Africa



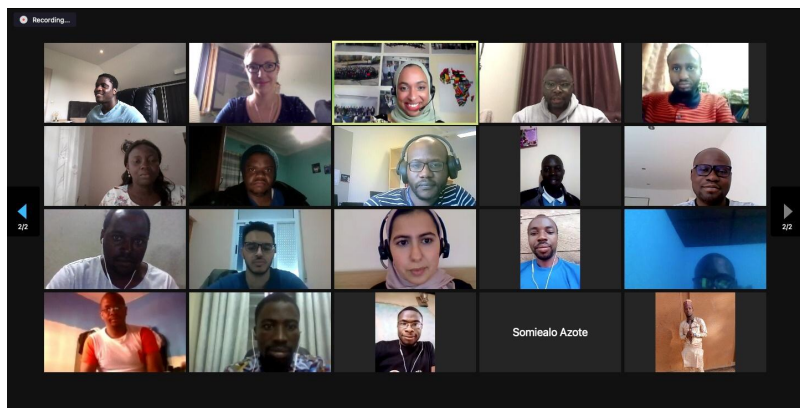
One of the goals of the YPF is to arrive at **100 YPF Members** by **the end of 2021**, starting from the 40 registered at the end of June 2021.

# YPF Meetings

- **YPF Co-conveners Meeting: 9 meetings ✓**
  - Starting from **April 21st, 2021**, all YPF Co-conveners met weekly to review and coordinate the progress of the project.
- **YPF Members Meeting: 2 meetings ✓**

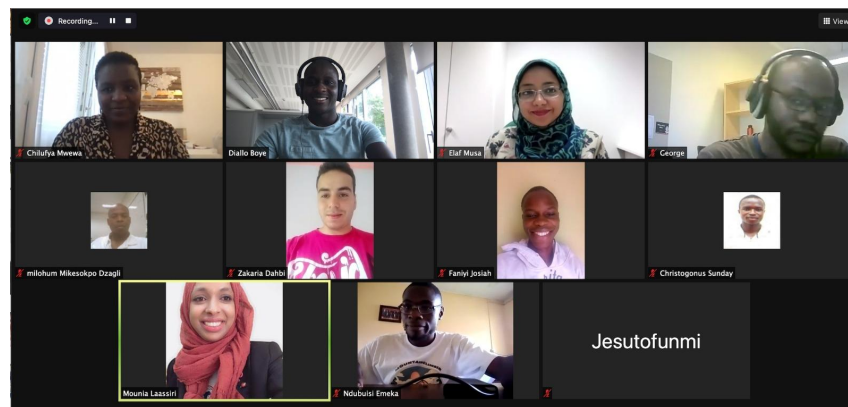
**1<sup>st</sup> YPF Members Meeting: June 09, 2021**

<https://indico.cern.ch/event/1034900/>

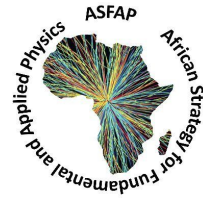


**2<sup>nd</sup> YPF Member Meeting: June 23, 2021**

<https://indico.cern.ch/event/1034902/>



# YPF—Planning and Actions



- Build a community, **share information** (grants, opportunities, online tools), **exchange experiences, future activities**;
- Bring together the community **to design ways to enhance the young scholars in Africa**;
- **Encouraging a dialogue** between young graduates, enterprise and academic research institutions to close the gap between industry and academia;
- **Mentoring program**;
- **Brain drain** and how to counter it;
- **How to make Africa attractive** for Young African Physicists;
- How can young researchers **drive change**?
- ...



# YPF—African Physics Societies

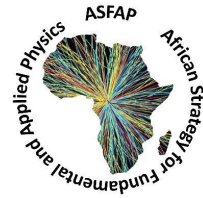


- The focus, in the goals search, was also pointed on the need to involve more the **African Physics Societies**.
- A new process, approved from the YPF Co-conveners, provides the identification of an **YPF National Coordinator** in each African country.
  - A YPF National Coordinator is the contact person between YPF and National Physics Society; is responsible to report YPF activities in his/ her African country;
  - Has to collaborate with the National Physics Society to promote YPF and the National Physics Society itself;
  - Has to identify peculiar requests or needs of the National Physics Society to better match the integration of the YPF project at local level.

**The main goal was fixed to go beyond the African Strategy and develop into an Association of Young African Physicists, affiliated to the African Physical Society.**



# Logistics



- **A platform to improve the communication**

- Between Co-conveners: [ASFAP-YoungPhysicists-admin@cern.ch](mailto:ASFAP-YoungPhysicists-admin@cern.ch)
- Between each member and other members: [ASFAP-YoungPhysicists@cern.ch](mailto:ASFAP-YoungPhysicists@cern.ch)

[www.africanphysicsstrategy.org/](http://www.africanphysicsstrategy.org/)



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

**MISSION**

**INTRODUCTION**

Scientific and technological achievements have become commonplace. As remarkable as these achievements are for other regions of the world, enormous challenges and opportunities remain to be addressed in Africa. Although vital for development, Africa's science, innovation, education and research infrastructure, particularly in 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 necessity of initiating ASFAP has become essential for Africa, hence our ambition and motivation to jump-start this process.

**Young Physicists Forum**

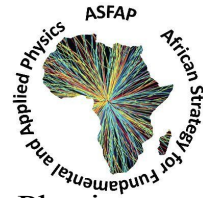
The Young Physicists' Forum (YPF) — from undergraduates to postdoctoral researchers — is an opportunity for the Young African Members of the African Strategy for Fundamental and Applied Physics to gather, study and debate the major issues in their research careers.

**Mailing list:** [ASFAP-YoungPhysicists\[at\]cern.ch](mailto:ASFAP-YoungPhysicists[at]cern.ch)

**Forum Conveners**

**Co-conveners Mailing list:** [ASFAP-YoungPhysicists-admin\[at\]cern.ch](mailto:ASFAP-YoungPhysicists-admin[at]cern.ch)

# Survey Announcement to the ASFAP— YPF



The ASFAP— YPF Survey team has prepared a survey for the entire Fundamental and Applied Physics community. The survey is designed to inform the ASFAP— YPF survey team about your opinions, experiences, and outlook. It covers several topics including but not limited to careers, physics outlook, workplace culture and the impacts of COVID-19.

You can find the survey here: <https://indico.cern.ch/event/1041142/>

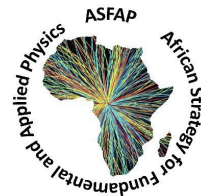
The survey will take approximately 20-30 minutes to complete and it will be open between July 15 and August 14, 2021 at 11:59 PM UTC.

We greatly appreciate your participation in this initiative! We also welcome recommendations for other ASFAP physics working groups who may like to complete the survey. Please also feel free to share the survey with your past and present colleagues in and outside the fundamental and applied physics research community, graduate and undergraduate students, etc.



Thank you for your participation in this survey!

# Contacts



*ASFAP-YoungPhysicists@cern.ch*

ASFAP



@StrategyAsfap



[www.africanphysicsstrategy.org/](http://www.africanphysicsstrategy.org/)



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



[www.africanphysicsstrategy.org/](http://www.africanphysicsstrategy.org/)