

African School for Fondamental Physics and Applications

6th Edition

ASP2021 - July 19 - 30, 2021



African Strategy for Fondamental and Applied Physics

Oumar KA

ASFAP Ethics Committee, ASFAP Observers Committee

Cheikh Anta Diop Université, Dakar, Sénégal

Many initiatives by African scientists
(and friends)...

Impact ?

Top - Down approach

Prone to limited success

"Nothing for us without us"

Then ASFAP...

African Strategy for Fundamental and Applied Physics

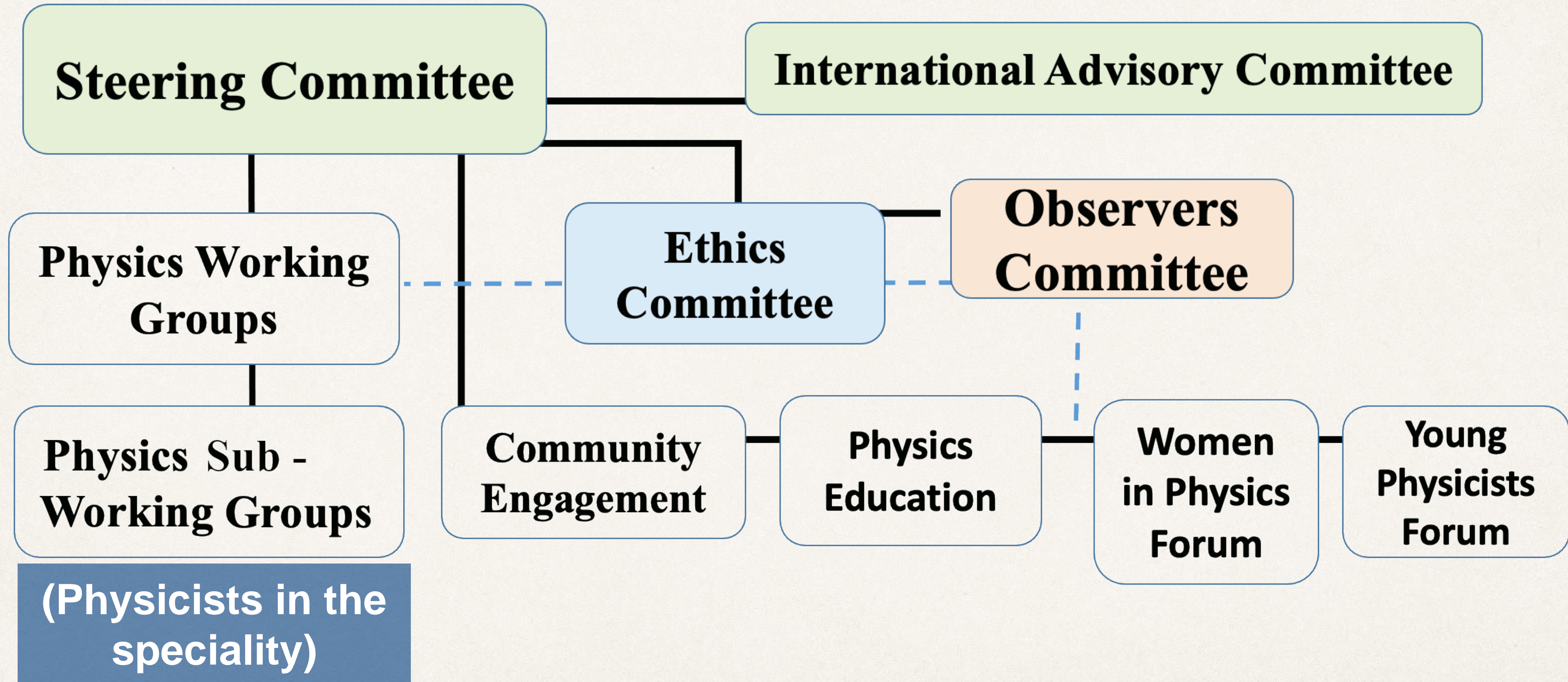


ASFAP objectives

- **Develop a Strategy to increase African education and research capabilities, improve collaboration and inform international partners, sponsors, policymakers on the strategic directions likely to impact African development**
- **Engage African scientists and the international community in Strategy development**
- **Release of the strategy report which will suggest the direction with actionable items for the next decade, [a process] to be repeated periodically [...]**
- **Set the foundation and framework to draw the participation of African physicists [...] in defining education and physics priorities most impactful for Africa**

S. Connell - Steering Committee

ASFAP Organization



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

WG coordination: 3 co-conveners

Each WG linked to x observers

Process

Letter of Interest

- **Short documents of 1 or 2 pages**
- **Members of the community give their opinion about the research, development or education areas that are important for Africa.**

White papers

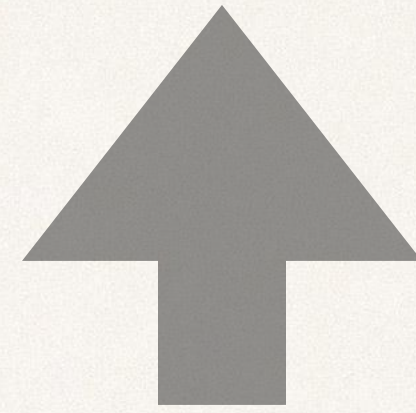
- **From the LOI, conveners may define major topics that will form the basis of white papers.**
- **For example, if 90 submitted LOI fall in the areas of biophysics, the biophysics conveners may decide to condense them into 6-8 white paper topics for the biophysics group, depending on how the LOI are related and can be aggregated.**
- **Group summary reports (with the priority areas) will emerge from the group white papers.**

Strategy report

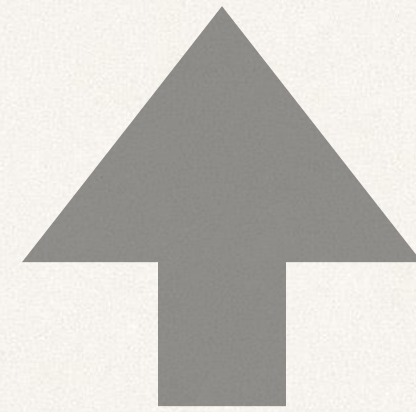
Will consist of the recommendations to policymakers, the executive summary from the Steering Committee, and the group summary reports with references to the white papers

Bottom-up

Strategy report

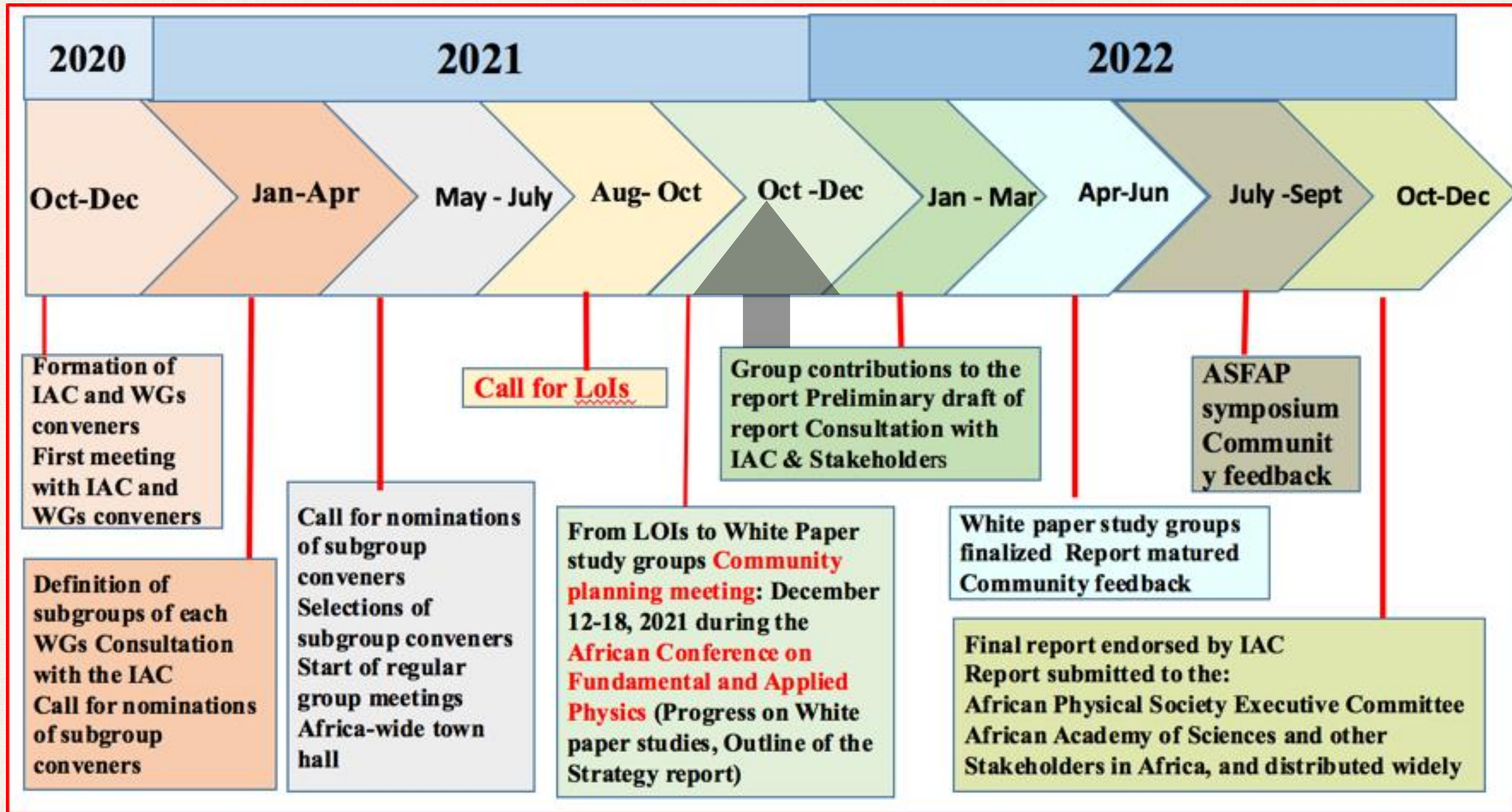


White papers



Letters of Interest

Timeline



7/12/21

Date

What To Do ?

- Learn about the Strategy
<https://africanphysicsstrategy.org>
 - Participate in YPF
<https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/AfYoungPhysicists>
 - Be an advocate
-

Bottom line

ASFAP is for tomorrow.

Get involved today !

African School for Fundamental Physics and Applications

6th Edition

ASP2021 - July 19 - 30, 2021



Thank You !
