



Astrophysics & Cosmology WG: Summary

ASPAF Community Town Hall (virtual meeting)

12 – 15 of July 2021

Astrophysics and Cosmology Working Group conveners



Bernard Asabere
GSSTI/AVN, Ghana



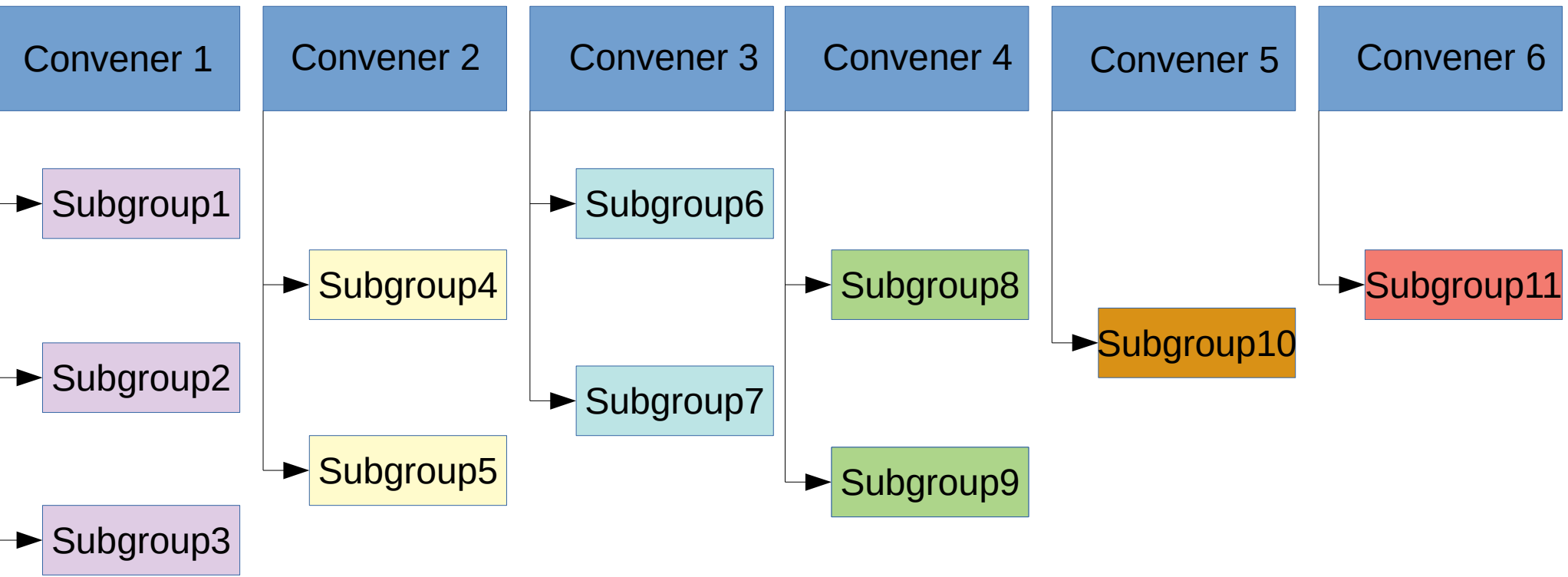
Lerothodi Leeuw
UWC, South Africa



Mirjana Pović
ESSTI, Ethiopia
IAA-CSIC, Spain

+ 2-3 conveners to be added

Astronomy & Cosmology Working Group



Overlap with other ASFAP WGs

Subgroups under the Astrophysics & Cosmology WG

- Solar physics
- Solar system, planetary sciences, astrobiology
- Stellar astronomy
- Galactic and extragalactic astronomy
- Cosmology and gravitational astronomy
- Transients and pulsars
- High-energy astrophysics and astro-particle physics
- Astronomical instrumentation and infrastructure
- Astronomical methods and data
- Ethno-archeoastronomy (cultural astronomy)
- Astronomy for development

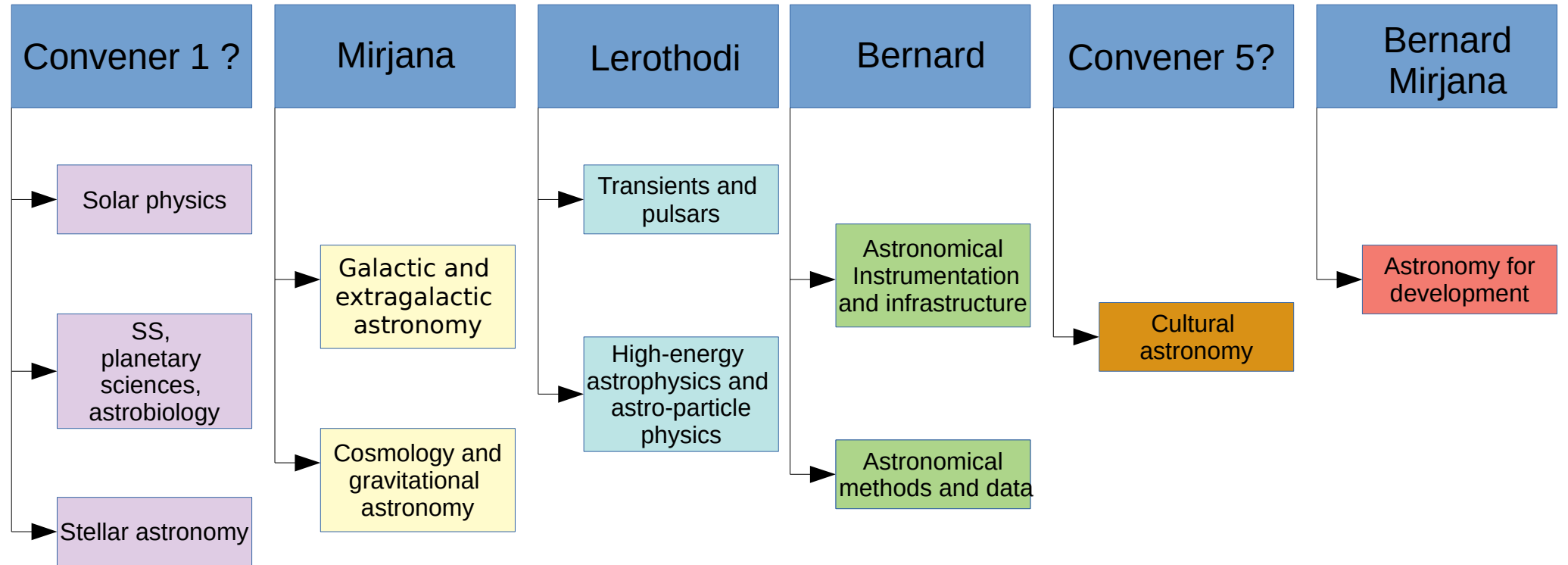
- Overlap between ASFAP-WGs

Subgroups under the Astrophysics & Cosmology WG

- Solar physics → ?
- Solar system, planetary sciences, astrobiology → ?
- Stellar astronomy → ?
- Galactic and extragalactic astronomy → Mirjana
- Cosmology and gravitational astronomy → Mirjana
- Transients and pulsars → Lerothodi
- High-energy astrophysics and astro-particle physics → Lerothodi
- Astronomical instrumentation and infrastructure → Bernard
- Astronomical methods and data → Bernard
- Ethno-archeoastronomy (cultural astronomy) → Jarita??
- Astronomy for development → Bernard, Mirjana

- Overlap between ASFAP-WGs

Astronomy & Cosmology Working Group



Overlap with other ASFAP WGs

Join African Strategy for Fundamental and Applied Physics (ASFAP) Astrophysics and Cosmology Working Group

ASFAP aims to strengthen the innovation, education, and research infrastructure in Africa through physics, including astrophysics and cosmology. In the coming 2 years, ASFAP will be working under > 15 working groups in different fields of physics to come up with the African Strategy that will be able to contribute in the long-term to the socio-economical benefits of the continent. Please fill the form below if interested in joining the Astrophysics and Cosmology Working Group.

*Obligatorio

Full name *

Tu respuesta

Active email address *

Tu respuesta

Developed a form to invite people to join one or more working sub-groups.

Included info:

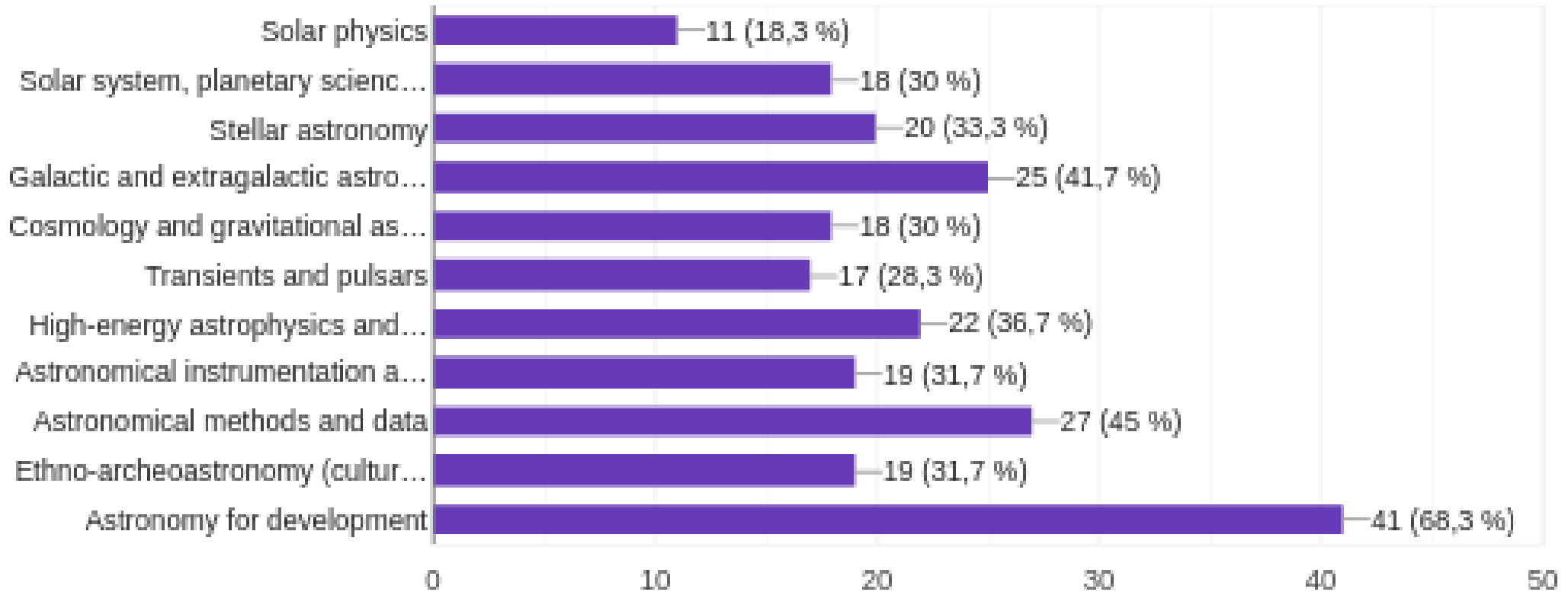
- full name
- active email
- country of origin, and current country of work
- affiliation
- current position
- gender
- subgroups for participation

Form distributed among:

- African Astronomical Society (AfAS, different committees)
 - Astronomy in Africa email list
 - African Network of Women in Astronomy (AfNWA)
 - Development in Africa with Radio Astronomy (DARA)
 - Africa Initiative for Planetary and Space Sciences (AFIPS)
 - 5A – Arising Astronomy and Astrophysics Across Africa
- collaborators
- IAU GA 2024 Science Committee members
 - Close collaborators connected with astronomy in Africa

→ up to now received 60 applications

Current number of participants in each subgroup



+ selected for each subgroup people to be invited individually

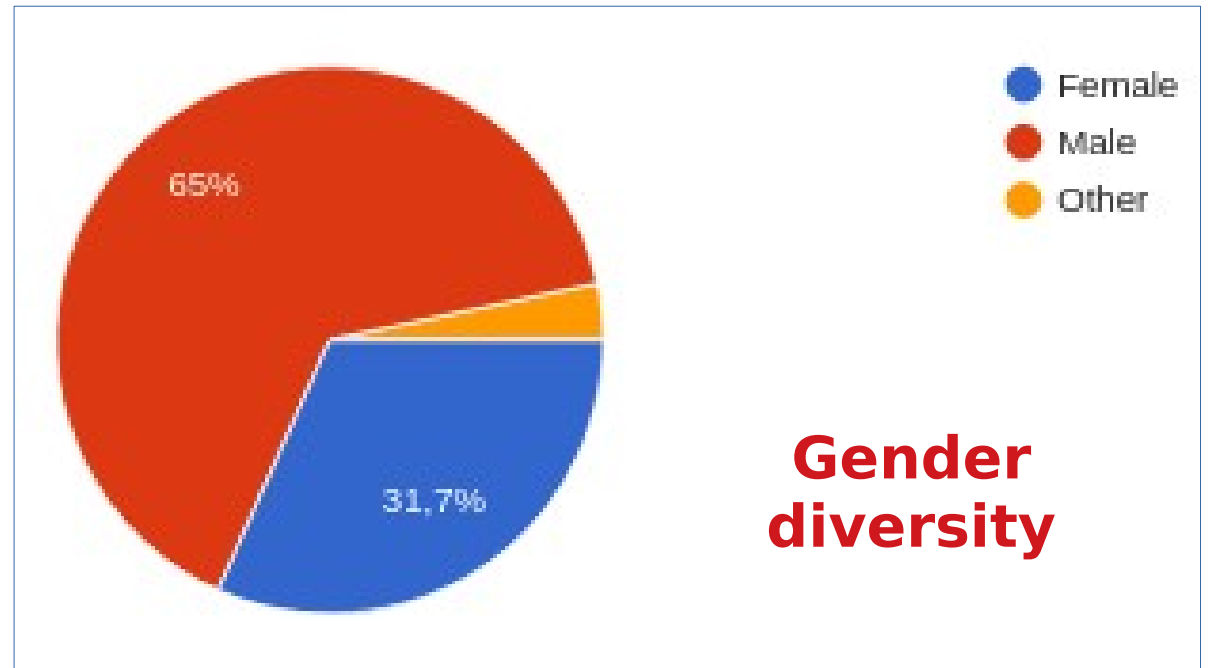
Other characteristics of participants:

Geographical distribution:

- 15 African countries
- > 10 countries out of Africa

Age diversity:

- from MSc and PhD students up to senior scientists and professors



Gender diversity

Next steps:

- find the 2 pendent conveners
- send individual invitations
- allow some more time for people to join
- start organising discussions under each subgroup
- discuss on the letters of intent
- discussions related to white papers
- discussions with other ASFAP WGs



Thank you very much for your attention!

Enjoy the meeting!