



Department: Science and Innovation REPUBLIC OF SOUTH AFRICA



# **Annual Operating Plan**

# 2020/21

# PROGRAMME: African Astronomical Society (AfAS)









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### 1. Rationale/background of AfAS

Over the past two centuries professional astronomy activities on the African continent have increased and this has led to some growth in capacity. Collaborations with partners from outside the continent through various initiatives has been a major contributor to the growth that has been seen. The High Energy Stereoscopic System (H.E.S.S.), the Southern African Large Telescope (SALT), the Square Kilometer Array (SKA) and the African Very Long Baseline Interferometry (VLBI) Network, are examples of massive international ventures in which African countries and scientists are playing a leading role. These ventures are complemented by the efforts to build capacity, through initiatives like the Development in Africa with Radio Astronomy (DARA) Newton Fund programme, to train young Africans in astronomy, engineering, technology and related fields. The National Astrophysics and Space Science Programme (NASSP) is a multi-institutional postgraduate programme training graduates in astronomy, astrophysics and space science, which has alumni from across the African continent. The purpose of these projects is to develop skills using astronomy in a number of African countries. The DARA project in particular is targeted at countries acquiring radio telescopes through the African VLBI Network (AVN) as part of their participation in the South African Square Kilometre Array project. The countries involved in the AVN are Botswana, Ghana, Kenya, Madagascar, Mauritius, Mozambique, Namibia, Zambia and South Africa. In 2017, the 32m radio telescope observatory in Ghana was completed and inaugurated, this was the first AVN telescope completed apart from the HartRAO telescope in South Africa.

In addition to progress mentioned above, African countries are rapidly developing their own astronomy training programmes, instruments and infrastructure. Examples of these developments include: the Entoto Observatory and Research Centre in Ethiopia, the refurbished Kottamia Astronomical Observatory in Egypt, Oukaimeden Observatory in Morocco, a 1m optical telescope in Burkina Faso, a Masters programme in Astronomy in Uganda and several astronomy initiatives in Nigeria. Recently, discussions around the possibility of setting up an Astronomical Observatory and related facilities for education and outreach in Kenya began. Running in parallel to the abovementioned initiatives are several data processing and analysis infrastructure projects.

It is therefore crucial that African nations collaborate amongst themselves to develop continental-wide skills through targeted projects. Thus, AfAS aims to perform the pivotal role of coordinating the network of astronomers, promoting the study and applications of astronomy, promoting astronomy research collaborations, advising the government stakeholders on Astronomy related policy, and fostering the growth of astronomy in Africa. The organization will therefore ensure that Africa maintains a stable astronomical environment that can sustain knowledge-based economies through various activities. The African Astronomical Society (AfAS) was relaunch at the Astronomy in Africa business meeting, which was held in Cape Town at the South African Astronomical Observatory on 25-26 March 2019. The meeting was attended by around 80 participants from 20 nations including astronomers, public stakeholders and research organisations. The meeting focused on field-related issues of strategy, policy and governance and the planning of the future of astronomy development in Africa. The AfAS Executive Committee elected at the meeting was mandated by the African astronomy community to help realise the mission and vision of the Society through the achievement of the objectives as set out in the AfAS constitution. At this meeting the South African Government, through the Department of Science and Innovation (DSI) offered to host and fund a staffed AfAS secretariat for three years, commencing from April 2019 to March 2022.

In addition, there are some major projects which will now be under the auspices of AfAS in terms of the provision of management oversight and appropriate inputs/advice to ensure that these projects' objectives are achieved, these were previously managed by the DSI and include:

i. AERAP - The African European Radio Astronomy Partnership for the development of astronomy knowledge and skills in Africa through funding and partnerships with European partners. AERAP is the existing Africa-Europe radio astronomy platform previously managed and funded by the DSI of South Africa. Initially established as a lobbying platform for South Africa to promote the SKA African bid in Europe to host the SKA telescope in Africa, the platform is designed to support radio astronomy and related sciences collaboration between Africa and the European Union. It will continue to support radio astronomy sciences, and additional application areas will be explored to ensure that it continues to support AfAS in the implementation of key Africa and European Union policy objectives in the field of radio astronomy research and development, including the digital economy.

Covid-19 will be top of the policy agenda in the European Union and around the world. AERAP will focus on identifying Covid-19 research activities, in particular those in Europe with a potential relevance to African partners. The regular AERAP webinar will include Covid-19 on the regular agenda and also dedicate a number of sessions to Covid-19 with the objective of information sharing and partnership development.

- ii. African Science Stars The Science Stars magazine has over the past 11 years profiled the work of several science awareness and communication activities within the South African National System of Innovation (NSI). However, the concept of an African Science Stars magazine has now emerged to expand the current initiative to an African-wide magazine which will build on the work of the Science Stars project in South Africa and expand it on a continental scale in Africa using astronomy as a tool for science awareness;
- iii. African Planetarium Association- The African Planetarium Association (APA) has been created to become a network of planetaria and their development across Africa. APA is an affiliate of the International Planetarium Society (IPS) and has representation on the IPS board. APA would therefore become the link between the planetaria in Africa with those in the rest of the world. APA was launched at the Iziko museum and Digital Dome in Cape Town in March 2019, alongside the re-launch of the African Astronomical Society.

### 2. Summary of Key Operational Objectives for the current year

#### 2.1 AfAS Core/Projects

Development of astronomy collaborations through the establishment of science working groups in Africa and establish contacts with international organizations.

Development of joint research proposals

Enhance science collaborations through access of African/International research infrastructure

Regional meetings to foster collaborations and communications as well as regular online science discussions

Development of a science data portal which include astronomers, students, facilities, collaborations, publications, etc which will provide a comprehensive source of information on the astronomy community in Africa

Human Capacity Development through development of lecture material, curriculums, short courses/workshops, offer of scholarships for early career researchers and annual awards for outstanding post-graduate students

Support of Archeoastronomy to facilitate the development of African Astronomy Heritage projects

Develop a workflow membership application, review and approval system

Develop a membership fee structure

Develop a membership benefits plan together with a member's recruitment plan

Develop a fund-raising strategy to reduce the dependence on South African Government funding

Identify potential sources of funding from both the public and private sectors across the international domain Lobby and to engage funders on the value proposition of AfAS

Develop strategic funding partnerships with relevant funding institutions, donors, philanthropists, etc

Develop an affordable mobile planetarium

Develop a radio telescope for amateur astronomers

Introduce astronomy in schools

Launch Pan-African campaigns

Launch Amateur Astronomy Associations in African countries

Re-design the AfAS website

Develop community discussion guides

Establish social and electronic media platforms

Establish print and visual communications

Establish astronomy research programmes in tertiary institutions

Creation of astronomy related educational resources

Make students throughout Africa, aware of all astronomy related scholarships

#### 2.2 AERAP

Advance AERAP networks and relationships with research users

Involving research users at all stages of the research processes, including working with user stakeholder and participatory groups in Africa and the European Union, including policymakers and regulators

Develop flexible knowledge exchange strategies in Africa and the European Union, which recognise the roles that partners and collaborators may wish to play in light of the policy priorities

Developing a good understanding of policy/practice contexts and encouraging users to bring knowledge of context to researchers and policymakers

Develop to portfolios of radio astronomy and related research activity that build up reputations with research users and demonstrate innovation more generally

Illustrate how one can contribute to policy objectives in the EU and Africa;

Develop focus activities around Covid-19 research to the European Union and Africa

Work towards the creation of excellent infrastructure, leadership and management support for the anticipated big data platform between Africa and the EU;

Providing feedback to policymakers

Constantly re-evaluate AERAP in the context of global challenges as they relate to the European Union and the African Union

#### 2.3 ASSAP

Advancing public awareness, appreciation and engagement of astronomy.

Providing a wide regular coverage of astronomy activities in the region from professional astronomy, outreach and career guidance, astro-tourism and related socio-economic developments, preservation of dark skies, policy developments, conferences, etc

Creating partnerships with key stakeholders in the astronomy sector such as national and regional facilities, astronomy clubs, public organisations and private companies.

#### 2.4 APA

Growing the expertise of its community Focus on having a significant impact outside its own membership Collaborating with various partners and stakeholders. Networking with other scientific bodies.

The COVID-19 pandemic which has markedly affected the entire world, will no doubt adversely affect the activities of AfAS, especially in 2020 and 2021. However, the Society will use its best endeavour to achieve its operational objectives in 2020/21 through extensive use of digital platforms. Activities such as student exchange programmes, access to telescopes, the annual conference and outreach will be closely reviewed and updated to take account of the pandemic related restrictions and alternative plans will be developed where feasible.

### 3. Major activities for the year

ACTIVITY	TIMELINE	ESTIMATED COSTS (R000's)
3.1 AfAS		
Annual Conference and Business Meeting	March 2021	445
Appoint Research points of contacts in each country	June 2020	-
Astronomy in Africa Survey	September 2020	-
Development of Astronomy in Africa Roadmap	December 2020	-
Commence establishment of science work groups	June 2020	50
Commence Monthly Science Discussions	July 2020	-
Establish Regional meetings	July 2020	20
Develop Science Portal/Data Base	December 2020	250
Develop teaching resources	December 2020	-
Establish Scholarship Committee to source funding for post- graduates/post- docs	June 2021	40
Develop AfAS Annual Awards Criteria	September 2020	50
Initiate Archeoastronomy Project	October 2021	-
Update the AfAS Website	March 2021	8
Communications Strategy	Initial draft by March 2021	-
Community Discussions	Commence 1 <sup>st</sup> June 2020, on-going	12
Commence processes for print & visual communications	Commence 1 <sup>st</sup> June2020, on-going	36
Set-up social networking platforms	March 2021	5
Review and acceptance of membership applications	September 2020	-
Update of membership	September 2020	17

application		
Develop	March 2021	-
membership fees structure		
Develop	March 20221	-
benefits profile		
Develop	March 2021	-
membership		
recruitment		
Online platform	March 2021	1
for educational		
resources	Commance 1st June 2020, on going	50
educational	commence 1 June2020, on going	0
content Cabalarahin	March 2024	
availability	March 2021	-
platform		
Develop Fund-	February 2021	-
Affordable Mobile	On-going	65
Planetarium		65 C
telescopes	On-going	65
Design and	On-going	25
production of		
materials		
Pan-African	On-going	25
astronomy		
Amateur	On-going	31
astronomy starter kits		
COVID-19	July 2020 – December 2020	180
related activities		1375
-		
ΔΟΤΙΛΙΤΧ	TIMELINE	ESTIMATED COSTS (R000's)
ACTIVITY	TIMELINE	ESTIMATED COSTS (R000's)
ACTIVITY 3.2 AERAP	TIMELINE	ESTIMATED COSTS (R000's)
ACTIVITY 3.2 AERAP AERAP Conference call	TIMELINE           23 Apr 2020	ESTIMATED COSTS (R000's)
ACTIVITY 3.2 AERAP AERAP Conference call Meet with	TIMELINE           23 Apr 2020           25 Apr	ESTIMATED COSTS (R000's)
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs	TIMELINE 23 Apr 2020 25 Apr	ESTIMATED COSTS (R000's) 25 60
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key	TIMELINE 23 Apr 2020 25 Apr 2 May	ESTIMATED COSTS (R000's) 25 60
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science	TIMELINE           23 Apr 2020           25 Apr           2 May	ESTIMATED COSTS (R000's) 25 60
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP Conference call	TIMELINE           23 Apr 2020           25 Apr           2 May	ESTIMATED COSTS (R000's) 25 60
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID-	TIMELINE           23 Apr 2020           25 Apr           2 May	ESTIMATED COSTS (R000's) 25 60 35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy,	TIMELINE 23 Apr 2020 25 Apr 2 May	ESTIMATED COSTS (R000's) 25 60 35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing	TIMELINE 23 Apr 2020 25 Apr 2 May	ESTIMATED COSTS (R000's) 25 60 35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal	TIMELINE 23 Apr 2020 25 Apr 2 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup	TIMELINE 23 Apr 2020 25 Apr 2 May 5 May	ESTIMATED COSTS (R000's) 25 60 35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input	TIMELINE           23 Apr 2020           25 Apr           2 May           5 May	ESTIMATED COSTS (R000's) 25 60 35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high	TIMELINE 23 Apr 2020 25 Apr 2 May 5 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy	TIMELINE           23 Apr 2020           25 Apr           2 May           5 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on asiana and	TIMELINE 23 Apr 2020 25 Apr 2 May 5 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May	ESTIMATED COSTS (R000's)  25  60  35
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May	ESTIMATED COSTS (R000's)  25  60  35  90
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May	ESTIMATED COSTS (R000's) 25 60 35 90
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020 Developing	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May         17 May	ESTIMATED COSTS (R000's) 25 60 35 90
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020 Developing AERAP group neintite for input	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May         17 May	ESTIMATED COSTS (R000's)  25  60  35  90
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ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020 Developing AERAP group priorities for input to Horizon Europe and	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May         17 May	ESTIMATED COSTS (ROOO's)  25 60 35 90 130
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020 Developing AERAP group priorities for input to Horizon Europe and NDICI	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May         17 May	ESTIMATED COSTS (ROOO's) 25 60 35 90 130
ACTIVITY 3.2 AERAP AERAP Conference call Meet with European Parliament MEPs Report on key areas of science to be covered by AERAP activities Including COVID- 19, bioeconomy, high performance computing, Green Deal AERAP subgroup on women meet to develop input paper for the high level policy dialogue on science and technology between the EU and AU scheduled for the 18th of May 2020 Developing AERAP group priorities for input to Horizon Europe and NDICI Programmes	TIMELINE         23 Apr 2020         25 Apr         2 May         5 May         17 May	ESTIMATED COSTS (ROOO'S)  25  60  35  35  130

members of the		
European		
Commission		
for development.		
research and		
industry		
Conference call	8 Jun	22
Covid-19, and		60
Conference call	10 Jun	20
Cominen		20
Seminar, Brussels	2 Jul	
Advancing		
Africa-EU		
priorities for		275
Horizon Europe		
including Covid-		
19 in Africa		
AERAP	10 Sep	20
conference call		20
AERAP and the	15 Sep	
Nations general		
assembly 75,		130
including Covid-		
19 session, and		
geosciences	02 Con	
innovation days	23 Sep	120
AERAP	10 Oct	
conference call		
focused on		28
Horizon Europe		20
calls for		
African Union-	27-28 Oct	
European Union		200
Summit, Brussels		
AERAP	10 Nov	
focused on		25
intellectual		20
property		
AERAP	8 Dec	
Conference call		27
19		
Meeting of all	10 Jan 2021	
AERAP		75
Subgroups		
Highlight	January	
AFRAP can make		
to the Portuguese		
Presidency		25
priorities in the		
area of		
and research		
Proposal	February	
submissions		45
ongoing for		
Horizon Europe	March	
submissions		
ongoing for		45
Horizon Europe		
TOTAL		1500

ΑCΤΙVΙΤΥ	TIMELINE	ESTIMATED COSTS (R000's)
3.3 ASSAP		
Establishing the African Science Stars Awareness Publication (ASSAP) for March 2021 launch	March 2021	1330

Workshops & Mini-events	March 2021	220
Covid-19 Special Publication	October 2020	200
Print of launch Edition of magazine (8000 copies)	February 2021	250
TOTAL		2000

ACTIVITY	TIMELINE	ESTIMATED COSTS (R000's)
3.4 APA		
Website Design	April 2020 – 31 <sup>st</sup> March 2021	20
Establishing APA as a Legal Entity	August 30th	10
Meeting and travel support	April 2020-March 2021	130
Normal APA activities support	April 2020-March 2021	426
APA COVID-19 activity support (e.g. OAD call and independent call)	July 2020-December 2020	80
TOTAL		666

In response to the adverse impact of COVID-19, AfAS, in collaboration with the Office for Astronomy Development (OAD) will fund some 9 projects across the African continent where astronomy is used as a platform to address critical needs in African countries to overcome some of the difficulties created by the pandemic. These nine projects have each been allocated R20000 from the limited budget available to AfAS. All projects will be managed by the OAD and will commence from 1<sup>st</sup> July 2020; it is anticipated that these will be completed by the end of 2020.

### The projects are funded from both the AfAS core budget and by APA, and are listed below:

#### AfAS

- Distance Learning for Home-Bound Students Amid COVID-19 (Tanzania)
- e-Amanar: Under the same sky connection (Sahrawi refugee camps near Tindouf, Algeria)
- Astro-Art Contest for Schools Kids (Nigeria)
- Providing astronomy inspiration & Hygienic Supplies to underserved families at high risk of infection from Covid-19 (South Africa)
- Protect Our Stars (POS) (Bukina Faso)

#### APA

- Solar Powered Foot-activated Hand Washing Water Dispensers (Kenya)
- Teacher Training on Teaching Science (Physics) and Mathematics using Astronomy and Astrophysics (Uganda)
- Development of online astronomy lessons for students in Ghana (Ghana)
- New Planetarium shows in the era of Coronavirus (Arabic speaking countries)

## 4. Key Performance Indicators/Outputs

AfAS-KPIs	2020/2021
Updated website	March 2021
Annual Conference & Business Meeting	March 2021
Fund-Raising Strategy	Feb. 2021
Draft Communications Strategy	March 2021
Astronomy in Africa Survey	Sept. 2020
Astronomy in Africa Roadmap	Dec. 2020
Science Portal/Database	Dec.2020
Annual Awards Criteria	Sept. 2020
Social Networking Platforms	March 2021
Membership application outcomes	Sept. 2020
Membership Processes and benefits	March 2021
On-line educational platforms	March 2021
Mobile planetaria, amateur telescopes and starter kits, outreach resource	Commence
development, amateur astronomy societies and pan-African campaigns	July 2020,
	on-aoina

AERAP-KPIs	2020/2021
Engagement with EU officials	80
Number of Covid 19 activities identified for African researchers	100
Number of EU Proposal submitted	4
Number of AERAP partners engaged	200
Website updates	50
Press releases	30

ASSAP-KPIs	2020/2021
A special edition of the SADC African Science Stars magazine in the first year to be made available both digitally and in hard copies – as well as special editions of the other regions in the outer years. This special edition will have a print run of 8 000 copies in the first year, 10 000 copies in the second year and 12 000 copies in the third year.	March 2021
A website for the ASSAAP initiative.	March 2021
An event with relevant stakeholders to solicit inputs and mobilise support of the initiative.	March 2021

APA-KPIs	2020/2021
<b>NPO registration:</b> Complete the registration of the APA as a Non-Profit Organisation and open a dedicated bank account.	August 2020
<ul> <li>Website: Create and maintain an active website containing the following:</li> <li>General information, contact details and history of the APA.</li> </ul>	
<ul> <li>Database of African Planetaria, linking the individual Planetarium websites to the APA website in order to create a centralised website for</li> </ul>	March 2021
<ul> <li>Ideas on how to start up a Planetarium with a collection of stories and advice from African Planetaria.</li> </ul>	
<ul> <li>Online hub to share media content, free videos/software as well as locally produced content.</li> </ul>	
Astro Tourism resources section.	
<b>Social Media</b> : Create and maintain active Facebook, Twitter, Instagram, YouTube and other social media accounts for the purpose of promoting APA and its member Planetaria.	March 2021
<b>COVID 19 Project</b> : The onset of COVID-19 pandemic has changed lives of people drastically. APA is fully committed to help in the alleviation of the COVID-19 – induced stress/pressure. This we hope to achieve by following the SA government guidelines and addressing part of our yearly budget towards this cause. We will apply the dedicated budget to support activities devoted to address COVID-19-related challenges. In this regards we plan e.g. to collaborate with the OAD in co-funding projects selected through the OAD COVID-19-project call; to create an <i>ad hoc</i> APA COVID-19 project call for APA members.	March 2021

## 5. Annual Budget

ITEM	AfAS ANNUAL BUDGET (R000's)	AERAP ANNUAL BUDGET (R000's)	ASSAP ANNUAL BUDGET (R000's)	APA ANNUAL BUDGET (R000'S)	TOTAL BUDGET (R000's)
Income	2984	1 500	2000	646	7130
Salaries	(250)	(941)	(800)	(200)	(2191)
Running Expenses	(1944)	(559)	(1020)	(306)	(3829)
Capital Expenditure	(40)	-	(180)	(40)	(260)
Grants Paid	(750)	-	-	(100)	(850)
Student Bursaries	-	-	-	-	-
Total Expenditure	(2984)	(1500)	(2000)	(646)	(7130)
NET FUNDING	-	-	-	-	

## 5. Approval

Submitted by Signature	2/2
Name : Y E Manjoo	
Date : June 2020	
Approved by Signature	J de
Name : Jamal Minouni	
Date : June 2020	
Designation	