



The global voice for science



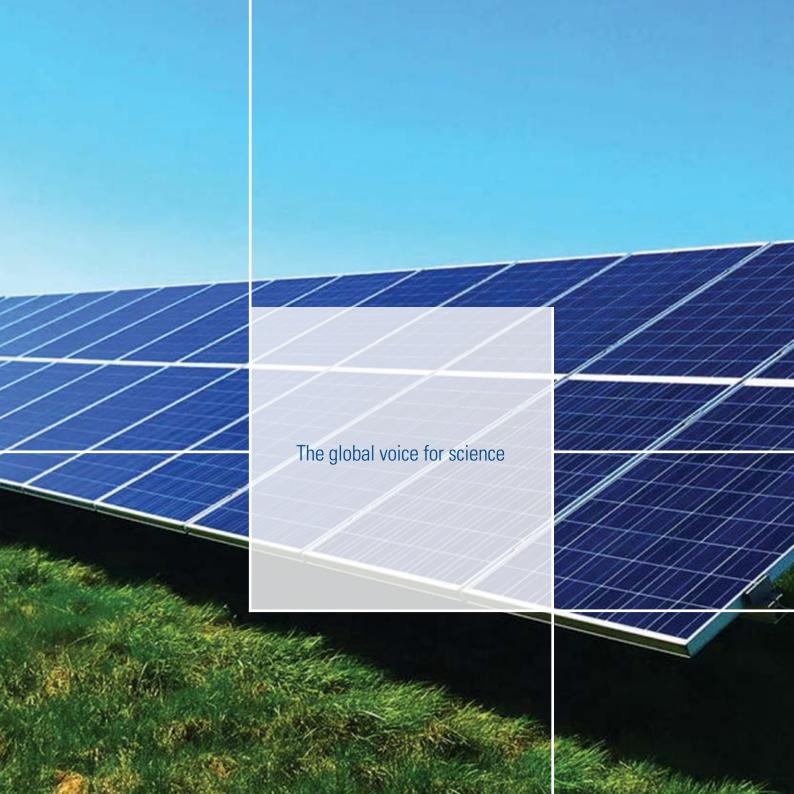
## CONTENTS

ACRO	DNYMS	3	2.7 Activities with other Partners and Networks	27
ISC'S	MISSION, VISION AND FOCAL AREAS	7	2.8 Strategic Partnerships	29
MES	SAGE FROM THE CHAIR OF THE REGIONAL		2.9 Database of scientists, Academic and	
СОММІТТЕЕ		8	Research Institutions	30
REGI	ONAL DIRECTOR'S OVERVIEW	10	2.10 Capacity Building	30
EXEC	CUTIVE SUMMARY	12	2.10.1 LIRA2030	30
ORG/	ANISATION AND GOVERNANCE	15	FINANCIAL REPORT	33
1.1	Office Personnel	15	CONCLUSION	34
1.2	Operation	15	ANNEXURES	35
1.3	ISC Regional Committee for Africa (ISC RCA)	15	Annexure A: Office Personnel	35
SCIE	NTIFIC ACTIVITIES	16	Annexure B: Composition of the ISC Regional Committee	
2.1	General Communication	16	for Africa	36
2.2	Events Organized	17	Annexure C: ISC Family in Africa	38
2.3	Sessions Convened		Annexure C1 - ISC National Members in Africa	38
2.4	Events Attended	21	Annexure C2 - ISC National Scientific Associates in Afr	ica 39
2.5	Support for Activities of the ISC Family in Africa	25	Annexure C3 - ISC Scientific Unions in Africa	28
2.6	Activities with the ISC Secretariat			
	and other Regional Offices	26		









### **ACRONYMS**

AAS	African Academy of Sciences	INGSA	International Network for Government Science Advice		
AFEC	African Future Earth Committee	IUCr	International Union of Crystallography		
AfLS2	2nd African Light Source Conference and Workshop	JRC	Joint Research Centre		
AfRP	Africa Regional Platform	KEAS	Kingdom of Eswatini Academy of Sciences		
ARFSD	Africa Regional Forum on Sustainable Development	NASAC	Network of African Science Academies		
AIMS	African Institute of Mathematical Sciences	NCDs	Non-Communicable Diseases		
ANSTS	National Academy of Science and Technology of Senegal	NRF	National Research Foundation of South Africa		
AOSP	African Open Science Platform	OWSD	Organization for Women in Science for the Developing World		
AOSTI	African Observatory of Science, Technology and Innovation	200			
APP	Annual Performance Plan	PCCr2	2nd Pan African Conference of Crystallography		
ASPSC	Africa Science Plans Steering Committee	RISDP	Regional Indicative Strategic Development Plan		
ASSAf	Academy of Science of South Africa	SADC	Southern Africa Development Community		
AUC	African Union Commission	SAYAS	South African Young Academy of Science		
CSIR	Council for Scientific and Industrial Research	SDGs	Sustainable Development Goals		
DST	Department of Science and Technology, South Africa	Sida	Swedish International Development Cooperation Agency		
		S&T	Science and Technology		
EO	Executive Officer	START	System for Analysis, Research and Training		
GA	General Assembly	STI	Science, Technology and Innovation		
GB	Governing Board		Science, Technology, Engineering and Mathematics		
GAAS	Ghana Academy of Arts and Sciences	STISA 2024	Science, Technology and Innovation Strategy for Africa 2024		
HSRC	Human Sciences Research Council	TWAS	The World Academy of Sciences United Nations Economic Commission for Africa		
IAP	Inter-Academy Partnership	UNECA			
IDRC	International Development Research Centre				
ISC	International Science Council	UNESCO	United Nations Educational, Scientific and Cultural Organisation		
IKS	Indigenous Knowledge Systems	YASE	Young African Scientists in Europe		
ISC RCA	International Science Council Regional Committee for Africa				
ISC ROA	International Science Council Regional Office for Africa				



### ISC'S MISSION, VISION AND FOCAL AREAS







The International Science Council (ISC) is the world's premier representative scientific organization and as such has a particular set of responsibilities and challenges. It works on behalf of the international scientific community to advance science, to catalyse and convene scientific expertise, and to provide advice and influence on issues of major concern to both science and society. These roles are growing in need and importance in a changing environment.

The Council's growing membership comprises national academies, research councils and other scientific organizations in over 140 countries, 40 international scientific unions and associations and many associated scientific bodies and networks. Through its members and associates, its partnerships with other international scientific organizations, UN agencies and inter-governmental bodies, and its wider networks of expertise, the Council is unique in its capacity to bring together scientific excellence and science policy expertise from all fields of science and all regions of the world.

The ISC's **vision** is of science as a global public good. Its **mission** is to be the global voice for science; a trusted voice that speaks for the value of all science with the following strategic objectives:

- promoting international research and scholarship on key global challenges;
- increasing evidence-informed understanding and decision-making at all levels of public policy, discourse and action;
- promoting the continued and equal advancement of scientific rigour, creativity and relevance in all parts of the world;
- protecting scientific freedom and advocating principles for the responsible practice of science.

These strategic objectives address long-term generic issues and are likely to be key objectives for science in any era. ISC identified four challenge domains to frame the Council's activities and each domain represents a broad landscape of issues that are of contemporary importance and in relation to which the global voice for



science is most needed and could be most effective. The ISC challenge domains are: the 2030 agenda for sustainable development; the digital revolution; science in policy and public discourse; and the evolution of science and science systems.

ISC Regional Office for Africa: The ISC Regional Office for Africa (ROA) is mandated to advance and fulfil the ISC agenda on the African continent through mobilising the regional scientific community and relevant regional actors around ISC activities and priorities. It also seeks to promote, facilitate and coordinate activities of the ISC Family in the region as well as increase the participation and visibility of scientists in the region in international scientific or agenda-setting activities. The Regional Office endeavours to promote the development and strengthening of science in the context of regional priorities, strengthen research capacity and widen the ISC membership base in the region.



# MESSAGE FROM THE CHAIR OF THE REGIONAL COMMITTEE FOR AFRICA



As the new organization ISC gathers momentum and comes up with its decided roles for and on the Regional Committees, it is my hope that the Regional Committee for Africa and the ROA will continue to play pivotal roles in doing science on the continent in a way that will be most beneficial to the people of the region.

This is my first message in my capacity as the Chair of the Regional Committee for Africa (RCA) Chair in the newly formed organization named the International Science Council (ISC). ISC, as the new name for the umbrella body of all scientists in the Natural and Social Sciences, became operational during the inaugural ISC General Assembly held in Paris, France from the 3rd to 5th of July 2018. Since this general assembly, there have been a lot of discussions on the governance and administrative issues arising from the merger of the two scientific bodies, the International Council for Scientific Unions (ICSU) and the International Social Science Council (ISSC). While some of these were addressed during the second meeting of the ISC Governing Board, others lingered and were slated for further discussions. Perhaps the most critical of these is the existence, functions, roles and responsibilities of the existing Regional Offices inherited by the ISC. It was in this regard that the Regional Offices, including the RCA Chairs, had met earlier in the year from the 9th to 12th April 2018 to discuss how to strengthen the position and standing of the Regional Offices through strategic planning. The meeting brainstormed and set up process to formulate a draft of the new Council's Regional Strategy to be submitted to the Council's Governing Board for consideration. This led to the formation of the Regional Strategy Working group of which the Regional Office for Africa played pivotal roles.

Information from the above two meetings formed the kernel of discussions during the Regional Consultative Forum of the ISC family in Africa, held on the 17th of October 2018 in Pretoria. During the Forum, the ISC National Members and Scientific Unions gave significant input on the regional strategy and how the African Region can further fulfil the vision and mission of the ISC. During the meeting and as a post meeting assignment, Members and Scientific Unions were given a questioner each to present their view/thoughts on the status,

# MESSAGE FROM THE CHAIR OF THE REGIONAL COMMITTEE FOR AFRICA (CONTINUED)

functions and relationships of the Regional Offices especially with the ISC headquarters in Paris using a SWOT analysis. The feedback was used to compile a factual report to be submitted to ISC headquarters by mid-December.

Through all these changes, the ISC Regional Office for Africa (ROA) maintained its level of activities especially in the implementation of the evolved Science Plans. In this regard, additional implementation modalities were evolved and used in the organizing of the Health & Human Wellbeing Consortium Proposal writing workshop which took place in Port Elizabeth, South Africa. Specifically, the proposal writing workshop was undertaken in response to a call for project funding in the area of health and wellbeing which could be utilised to implement the project in Africa.

For the records, the ISC RCA has met twice during this financial year to discuss how to make the RCA more effective in the new ISC dispensation especially in nurturing and effecting science in the African Region. The RCA has thus continued the use of Science Seminars as an integral part of the RCA meetings to initiate, entice and involve local scientists in the various science plans and their implementation. We had two successful seminars at the National University of Lesotho.

One of the most compelling functions of RCA and ROA is Capacity Building. Here, the Committee and Office are commit-

ted to grooming upcoming scientists, that is, African scientist of tomorrow, through a project called the Leading Integrated Research for Agenda 2030 in Africa (LIRA2030). The Regional Director and I have had the privilege of being members of the Scientific Advisory Committee (SAC) of the LIRA2030 programme which is responsible for the painstaking selection process of the awardees. My fellow members of the RCA have also been involved as reviewers of the submitted proposals in the past three calls since the beginning of the project. In addition, the Regional Office has been responsible for organizing the Annual Research Forum which often occurred concurrently with the SAC meeting, the last and most current being from the 25th to 27th of March 2019, Dakar, Senegal. We take great pride in this initiative as it gives early career researchers the platform to grow and subsequently thrive in the Continent.

As the new organization ISC gathers momentum and comes up with its decided roles for and on the Regional Committees, it is my hope that the Regional Committee for Africa and the ROA will continue to play pivotal roles in doing science on the continent in a way that will be most beneficial to the people of the region.

#### **Professor Samuel Babatunde Agbola**

Chair, ISC Regional Committee for Africa

### REGIONAL DIRECTOR'S OVERVIEW



Before and after the inaugural ISC General Assembly in July 2018, the Office led a series of activities to collate and consolidate inputs from the ISC family as well as other stakeholders in Africa — inputs that have gone a long way to influence the drafting of the ISC Regional Strategy. This process has evolved and been executed with guidance from the ISC HQ and in collaboration with the other ISC Regional Offices.

A lot of the activities of the International Science Council (ISC) Regional Office for Africa (ROA) during the 2018/19 financial year were punctuated by efforts to support the international process working towards the merger of ICSU and the International Social Science Council as well as the transition process of the new Council. The Office has developed and continued to enjoy sound partnership with the science and technology community and benefit from the support from relevant stakeholders and the ISC family in Africa. The 2018/19 financial year was characterised by activities that were underpinned mostly on the Office's work with the ISC family and its partners on the continent as well as the activities that sought to contribute to the process of developing an ISC Regional Strategy.

Before and after the inaugural ISC General Assembly in July 2018, the Office led a series of activities to collate and consolidate inputs from the ISC family as well as other stakeholders in Africa – inputs that have gone a long way to influence the drafting of the ISC Regional Strategy. This process has evolved and been executed with guidance from the ISC HQ and in collaboration with the other ISC Regional Offices.

The Regional Office's science activities were executed by the international research consortia led by the Africa Science Plans Steering Committee (ASPSC) and with guidance from the ISC Regional Committee for Africa. The activities revolved around the implementation of the Africa Science Plans that were published in early 2017 and serve as the blueprint of the Office's scientific direction that focus on four thematic areas: Sustainable Energy; Health and Human Wellbeing; Global Environmental Change; and Natural and Human-induced Hazards and Disasters. The Office worked on and will continue to work on building and expanding research networks that are essential in

### REGIONAL DIRECTOR'S OVERVIEW (CONTINUED)

operationalising activities from the four thematic areas, establishing south-south and north-south scientific collaborations as well as aligning these with the proposed activities of the ISC Science Action Plan.

Through the collaboration with other partners of the Leading Integrated Research for Agenda 2030 in Africa initiative, the Regional Office continued to support and nurture scientific capacity development processes on the continent that seek to empower young and emerging scientists and help them to build meaningful inter- and trans-disciplinary projects as well as strengthen science communication skills. Among other activities, the Office also supported the host institution's South African Young Academy of Science programme that seeks to engage with various partners in the Southern African Development Community region, linking young scientists and early career researchers to policy makers. The Office also continued to engage the Academy of Science of South Africa (ASSAf) and other partners to develop a comprehensive database of scientists as well as academic and research institutions on the continent – an initiative that has attracted support from the Department of Science and Technology of South Africa.

As the Secretariat of the INGSA-Africa Chapter, the Office continued to support the activities of this Chapter, which seeks to provide a forum for policy makers, practitioners, national academies, scientific societies, and researchers to share experience, build capacities, and develop theoretical and practical approaches to the use of scientific evidence in informing policy at all levels of government on the continent. In collaboration with Future Earth Global Secretariat, the Regional Office also supported and coordinated Future Earth activities in Africa, where the Office is acting as the Secretariat of the African Future Earth Committee.

During this financial year, the Office continued to enjoy the generous and core financial support from the Department of Science and Technology of South Africa, and the hospitality of ASSAf, through which the financial support from the government of South Africa is channelled – this support underpins the Regional Office's successful work programmes and activities. Additional support also came from the ISC Head Office in Paris.

#### Daniel Nyanganyura (PhD)

Regional Director, ISC Regional Office for Africa

### **EXECUTIVE SUMMARY**

### Implementation of ISC ROA Science plans

The Office organised/participated in several events/activities to advance the implementation of the Africa Science Plans, over the year under review.

It participated in the 13th series of the Annual AfricaArray Workshop in Johannesburg, South Africa in June 2018 and made a presentation on the Africa Science Plans with special emphasis on the Natural and Human-induced Hazards and Disasters.

The two side-events of the ISC RCA1 and ISC RCA2 in Lesotho and Senegal, in August 2018 and March 2019, respectively, were also used to for this purpose. In Lesotho, a one-day Research Symposium was held at the University of Lesotho, where RCA members shared knowledge/good practices with the local scientists on issues of priority to the host country and also explored avenues for scientific collaboration, based on the themes of the Africa Science Plans. The Senegal side-event was a one-day Science Seminar attended by the RCA and ISC ROA staff as well as several members of the National Academy of Science and Technology of Senegal (ANSTS) and other local scientists. Discussions centred on innovative and emerging technologies, particularly Artificial Intelligence.

The participation of the Office in the International Symposium on Health and Wellbeing in the Changing Urban Environment in Xiamen, China, in October 2018, afforded it the opportunity to make a presentation on the Africa Science Plan on Health and Human Wellbeing.

A workshop on Health Promoting and Disease Preventing African Food Plants and Animals from the SADC Region was organised by the Health and Human Well-being consortium of the Office, in partnership with the Southern African Network of Biosciences (SANBio), the DST and the Southern African Development Community Secretariat (SADC) in March 2019, in Johannesburg, South Africa. This event, which brought together different indigenous knowledge systems (IKS) stakeholders, which included indigenous IKS holders/community workers, researchers, policymakers, and bio-industries/entrepreneurs, sought to close gaps within the value chain and to strategize on ways to improve production, marketing and the use of these nutritious foods to combat the Non-Communicable Diseases (NCDs).

### Capacity Development

The Africa Chapter of the International Network on Government Science Advice (INGSA-Africa) was further supported by the Office in its capacity development activities on the continent during the financial year. Some members of the Steering Committee were financially supported to participate in the Eastern African Regional Government Science Advice Workshop held in Kigali, Rwanda in August 2018 which sought to enhance the capacities of East African scientists and policy practitioners to embed scientific advice in public policy making across multiple sectors and expand the INGSA-Africa network of science advice practitioners which serves as a platform for sharing best practices and deliberating on challenges and solutions of the African science advisory context. In addition, the Steering Committee met in Pretoria, South Africa in December 2018 to review the 2018 Workplan against updates on activities accomplished over the year and to draw up the 2019 Workplan. The Chapter also held a panel session during the SFSA2018 on "Science Advice in Africa: Opportunities and Challenges.

### **EXECUTIVE SUMMARY (CONTINUED)**

As usual, the Office facilitated the participation of emerging African scientists and researchers in some capacity building partner events. These included supporting three early career scientists to participate in a session which the Office co-convened with UNESCO during the 7th Africa Water Week Conference organised by the African Ministers Council on Water, in collaboration with the African Union Commission and other development partners in Libreville, Gabon, from 29 October to 2 November 2018.

The Office financially supported the organisation of the 2nd Joint International Pan African Conference on Crystallography (PCCr2) and African Light Source (AfLS2) in Accra, Ghana, from 28 January to 2 February, 2019 which focused on Crystallography as a scientific tool for sustainable development of African economies and brought together African crystallographers, mineralogists, solid state and structural scientists to increase the awareness for crystallography and improve the educational opportunities for African researchers and students of all levels.

The LIRA2030 Transdisciplinary Training and the Project Coaching Workshop held in Port Elizabeth, South Africa, in May 2018; the LIRA2030 Transdisciplinary Research Training Workshop held in September 2018 in Cote d'Ivoire; and the LIRA2030 2nd Annual Research Forum held in March 2019 in Dakar, Senegal, are other capacity building efforts supported by the Office, particularly for the LIRA grantees.

#### **Publications and General Communication**

The Office commissioned a book on *Green synthesis of nano-*particles from natural plant parts to promote human health and
wellbeing, to showcase Green Synthesis as an emerging method for deriving nanoparticles from natural plant parts to be used
in promoting human health and wellbeing. The targeted readers
are students, scientists and practitioners of nanotechnology
who might appreciate novel preparation methods and characterization of nanoparticles from natural plant parts and their application towards combating communicable, non-communicable
and vector-borne diseases as well as antimicrobial resistance.
There have been several expressions of interest from potential
authors and received abstracts are being reviewed for finalization of chapters to be published by the CRC Press of the USA.

As a General Communication strategy, the Office employed several ways to reach out and disseminate relevant information to its partners, ISC family, scientific networks and communities, policymakers and the general public on the continent. These included the revamped website content, an extensive and dynamic electronic mailing system, exhibitions and presentations on ISC/ISC ROA programmes and activities at regional and international forums. Branded flyers, banners, posters and folders have also been used to effectively market the programmes and activities of the Office during events it organised/co-organised.



### ORGANISATION AND GOVERNANCE

#### 1.1 Office Personnel

ISC ROA has maintained a regular staff compound of five over the 2018/19 financial year. This is made up of Dr Daniel Nyanganyura (Regional Director); Dr Richard L.K. Glover (Programme Specialist: Biological Sciences); Ms Nomasomi Gasa [LIRA2030]; Mr Bongani Mahlalela (Communications Officer) and Ms Lerato Mmatloa (Administrative Assistant).

### 1.2 Operations

The Annual Performance Plan and Budgets for 2019/20 were finalised, signed off and submitted to the Department of Science and Technology of South Africa (DST), on schedule.

The Office has continued to have good working relations with the Academy of Science of South Africa (ASSAf) – the host institution, and Government of South Africa through the Department of Science and Technology (DST). ISC ROA has also established and maintained working relations with other stakeholders in the region that include the African Academy of Sciences (AAS), UNESCO, the Network of African Science Academies (NASAC), and the South Africa Young Academy of Science (SAYAS).



### 1.3 ISC Regional Committee for Africa

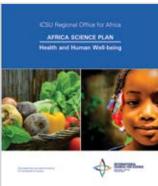
To get strategic guidance and direction, the Office organised two ISC RCA meetings in Maseru, Lesotho and Dakar, Senegal in August 2018 and March 2019, respectively. Back to back with these meetings, one-day science seminars were organised to facilitate interaction between the RCA members and local scientists as well as local government officials.

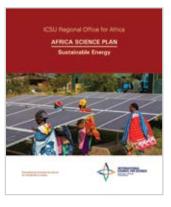
### 2. SCIENTIFIC ACTIVITIES

The science activities of ISC ROA have been modelled around the Africa Science Plans, which serve as the blueprint of the Office's scientific direction in the following thematic areas: Global Environmental Change; Health and Human Wellbeing; Natural and Human-induced Hazards and Disasters; and Sustainable Energy. Electronic copies of these documents are made available on the Office's website and hard copies have been shared during at scientific events organised by the Office or its partners.









#### 2.1 General Communication

Throughout this financial year, the Office employed several ways to reach out and disseminate relevant information to its partners, ISC family, scientific networks and communities, policymakers and the general public on the continent. The avenues included the revamped website content, an extensive and dynamic electronic mailing system, exhibitions and presentations on ISC/ISC ROA programmes and activities at regional and international forums. The programmes and activities of the Office have also been effectively marketed using its branded flyers, banners, posters and folders during events the Office organised/co-organised.

### 2.2 Events Organised

Post-ISC GA32 Regional Consultative Forum for African ISC National Members and Scientific Unions

The Regional Office hosted this Forum from 5 to 6 April 2018 in Pretoria, South Africa. The event was attended by 14 National Members and representatives from 7 of the Scientific Unions that are active in Africa. The participants gave inputs to and views about the regional strategy for the new Council as well as proposed activities to improve the visibility of the new organisation in the region. The event produced an African statement in support of the merger as well as highlighting avenues around which members can be actively involved in the new Council's activities/programmes while improving its visibility in their respective spheres of influence, countries/regions.



### The 4th African Future Earth Committee meeting

The fourth meeting of the African Future Earth Committee (AFEC), which was held on 7 May 2018, in Port Elizabeth, South Africa, was attended by most members of the Committee as well as representatives of the Future Earth Global Secretariat and the Future Earth Regional Office for Southern Africa. The meeting provided a platform for the participants to put together a Regional Future Earth strategy as well as prepare a concrete action plan with short-, medium- and long-term objectives. The event also identified tasks that are of high priority for the Future Earth community on the continent and decided on how best the Committee could work together with the Future Earth Global Secretariat and the Future Earth Regional Office for Southern Africa.

### The 1st ISC Regional Committee for Africa Meeting

The meeting took place 28-29 August 2018 in Maseru, Lesotho and was attended by most members. The Operations Director of ISC, Charles Erkelens, participated via Skype. Discussions

were mainly based on the way forward for Regional Offices in the newly formed ISC and the planned activities geared towards the implementation of ISC ROA Annual Performance Plan for the 2018/2019 financial year.

This was followed by a one-day Research Symposium at the University of Lesotho, jointly organised by ISC ROA, Lesotho Ministry of Communication, Science and Technology, and the University of Lesotho. The event was officially opened by the Vice-Chancellor of the University of Lesotho and closed by the Minister of Communication, Science and Technology. This symposium served as a platform for RCA members to interact with senior government officials, share knowledge/good practices and network with the local scientists on issues of priority to the host country, as well as explore avenues for scientific collaboration.



Post-ISC Founding GA Regional Consultative Forum for African ISC National Members and Scientific Unions

The Regional Office organised a post-ISC Founding GA Regional Consultative Forum for African ISC National Members and Scientific Unions on 17 October 2018 in Pretoria, South Africa. The Forum sought: (i) to update the ISC Family in Africa on the

newly-formed organization's founding GA as well as deliberate on the vision and mission of the ISC and how it relates to or can better impact Africa; (ii) to give inputs to the ISC Regional Strategy, deliberating on issues around the concept, modus operandi and relevant activities to maximise impact on the continent; and (iii) to look into the current structure of ISC ROA and brainstorm on how this could be restructured to effectively realise the mission and vision of the new council in Africa. The Forum was attended by several ISC members in Africa and ASSAf gave the welcome remarks during the event.



### Experts Meeting to review Draft Factual Report on ISC ROA

This was a one-day meeting, held on 6 December 2018 in Pretoria South Africa, to review a Factual Report that was to be submitted to ISC Headquarters by mid-December 2018. This report, which has been commissioned to a consultant by the ISC ROA, was based on the information from the October 2018 Consultative Forum, data generated from the questionnaire developed and administered thereafter, as well as other documents provided by Office.



### INGSA-Africa Chapter Steering Committee meeting

This meeting was held in Pretoria, South Africa from 11 to 12 December 2018. Participants reviewed the 2018 Workplan against updates on activities accomplished over the year. They brainstormed on outstanding activities for the year and upcoming activities /new ideas for the coming year. The main outcome of the meeting was the drawing up of the 2019 Workplan for the Chapter

# Workshop on Health Promoting and Disease Preventing African Food Plants and Animals from the SADC Region

The workshop was held from 13 to 15 March 2019, in Johannesburg, South Africa. It was organised by the Office in partnership with the Southern African Network of Biosciences (SANBio), the DST and the Southern African Development Community Secretariat (SADC). The event brought together different indigenous knowledge systems (IKS) stakeholders, which included indigenous IKS holders/community workers, researchers, policymakers, and bio-industries/entrepreneurs, to

close gaps within the value chain and to strategize on ways to improve production, marketing and the use of these nutritious foods to combat the Non-Communicable Diseases (NCDs). Recommendations from this workshop will be submitted for discussion and approval for implementation during the Joint Meeting of SADC Ministers Responsible for Education and Training, Science, Technology and Innovation, to be held in Namibia in June 2019.



### 2nd ISC Regional Committee for Africa Meeting

All statutory committee members and three ex-officio members attended the meeting that was held in Dakar, Senegal from 20 to 21 March 2019. The committee was given updates on activities of the Office in the 2018/19 financial year as well as those planned for 2019/20. The financial performance of the Office was also reported on and discussed. Members also made recommendations on the Office's Annual Performance Plan APP) and Budget Outline for the 2020/21 financial year and advised that the Office aligns these with the new ISC Challenge Domains and submit the full document at the next meeting for

consideration. The meeting was organised in collaboration with and partially supported by the National Academy of Science and Technology of Senegal (ANSTS).



2nd ISC Regional Committee for Africa Science Seminar

ISC ROA, in collaboration with the National Academy of Science and Technology of Senegal, organised this one-day Science Seminar in Dakar, Senegal, on 22 March 2019, as a side-event to the ISC RCA2. The theme of the seminar was *Innovative and Emerging Technologies: A Paradigm Shift in Doing Contemporary Science in Africa?* The event was attended by several members from the ANSTS and other local scientists, and it was officially opened by the President of that Academy. The seminar served as a platform where RCA members could interact with members of the academy, as well as other local scientists on issues of priority to the host country, as well as explore avenues for scientific collaboration. As an ex-officio member of the RCA and the ASSAf Executive Officer, Prof Himla Soodyall, gave a presentation during the seminar.





#### 2.3 Sessions Convened

### ISC ROA session during the 7th Africa Water Week Conference

ISC ROA co-convened a session with UNESCO titled "Promoting Youth Engagement in Water Governance through Youth", during the Africa Water Week that was organised by the African Ministers Council on Water in collaboration with the African Union Commission and other development partners. The Conference held in Libreville, Gabon, 29 October to 2 November 2018. The main recommendations of the session were adopted as the Youth Declaration of the 7th Africa Water Week and were presented by one of the facilitators during the closing ceremony of the Conference. The declaration called for the strengthening of water education in Africa, improved representation and participation of youth in decision making processes in the water sector and increased support for the use of youth-led research and innovation products in the governance of the water sector.

### INGSA-Africa Chapter session during the SFSA

The INGSA-Africa Chapter held a panel session on 14 December 2018, in Pretoria, South Africa, during the SFSA2018 on "Science Advice in Africa: Opportunities and Challenges.

The session attracted a very large audience which actively engaged the panellists drawn from the Steering Committee, the Network of African Science Academies (NASAC) and the Uganda Academy of Sciences (UNAS) to elucidate the challenges and opportunities in providing evidence-informed science advice to governments and policymakers on the continent. The general feeling at the end of the session was that evidence-informed science advice was crucial for making relevant policy interventions that could inure to the benefit and development of African nations.



#### 2.4 Events Attended

### National Dialogue on Open Science Data Meeting

The National Dialogue on Open Science Data Meeting, which was held from 25 to 26 April 2018 in Kampala, Uganda, aimed to generate ideas and knowledge that will contribute to the development of the open data policy for Uganda. The national dialogue targeted policymakers, data generators, data managers and data users from both the public and private sectors. The Office was invited as a strategic and active partner of the African Open Science Platform (AOSP). This participation gave ISC ROA the opportunity to contribute to the dialogue that seeks to promote the engagements of ISC National Members in the AOSP as well as in open science data in Africa, by giving a presentation on the different data projects ISC is coordinating.

### Africa Regional Forum on Sustainable Development

The Africa Regional Forum on Sustainable Development (ARFSD) was held from 2 to 4 May 2018 in Dakar, Senegal. This Forum is an inter-governmental platform convened by UNECA in collaboration with the African Union Commission, the African Development Bank and the United Nations system to review progress, share experiences and lessons learnt and build a consensus on key recommendations in the form of key messages to accelerate the implementation of the Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development and Agenda 2063. The participation of ISC ROA in this meeting gave the Office an opportunity to work with Member States, experts and other partners in reviewing the progress on the implementation of STI decisions taken by Member States in the sub-region as well as gave us an opportunity to give inputs to the SADC Regional Indicative Strategy in relation to Education and Training and Science, Technology and Innovation. The Office presented its science activities and highlighted the expectations of ISC ROA from the governments in the region to support these activities.

### 13th Annual AfricaArray Workshop

The Office participated in the 13th series of the Annual AfricaArray Workshop, which was held in Johannesburg, South Africa, from 24 to 27 June 2018. The workshop was organised for early career scientists in the geosciences from all over the continent, at the School of Geosciences, University of the Witwatersrand. Under the Initiatives Allied to AfricaArray segment, the Office made a presentation on the Africa Science Plans with special emphasis on the Natural and Human-induced Hazards and Disasters.

### Young African Scientists in Europe Conference

The Young African Scientists in Europe (YASE) conference, which was held on 6 July 2018 in Toulouse, France, was the first conference entirely dedicated to young African scientists expatriated in Europe who have completed their PhDs or are undertaking post-doctoral degree programmes. The conference explored avenues and opportunities that the young African scientists in Europe could embark on to contribute to the development of science and technology in Africa. The participation of the Office gave us an opportunity to profile our activities as well as establish links with young and immerging African scientists in Europe that would form an important component of the implementation of the Regional Office's science plans. The young African scientists in Europe are very keen on working with the Office and other regional stakeholders to contribute to the science activities on the continent.

### Eastern African Regional Government Science Advice Workshop

The workshop was held in Kigali, Rwanda, from 22 to 24 August 2018. Its objectives were: (i) to enhance the capacities of East African scientists and policy practitioners to embed scientific advice in public policy making across multiple sectors; and (ii) to expand the INGSA-Africa network of science advice practitioners which serves as a platform for sharing best practices and deliberating on challenges and solutions of the African science advisory context. There were 112 participants at the workshop from 6 African countries (Rwanda, Kenya, Uganda, Ethiopia, South Sudan and Tanzania) as well as facilitators/observers from INGSA-Africa Chapter Steering Committee, New Zealand, IDRC, TWAS and AUC-AOSTI. This workshop was another landmark event since the first hosted by ASSAf and the DST at Hermanus in 2016 which gave birth to the INGSA-Africa Chapter. It gener-

ated much enthusiasm among participants, resulting participants from Kenya, Tanzania, Ethiopia and South Sudan putting in requests for follow-up national workshops in their respective countries.

#### African Open Science Platform Stakeholder Forum

The international, multi-stakeholder forum of key decision makers, scientists, technical experts, representative scientific bodies and funders reviewed and advised on a bold development to maximise the potential of African science and its utility to society in a new digital age through the creation of an African Open Science Platform (AOSP). The AOSP held a Forum from 3 to 4 September 2018, in Pretoria, South Africa. The Forum was conceived as a key stepping-stone in the strategic planning and further development of the Platform project. The Office's attendance was sought as a significant stakeholder in African and international science and its application, in order to contribute to the success of an initiative that has great value both to science in Africa and to the global scientific enterprise. The Office also presented a discussion paper for the African Open Science Platform Strategic Stakeholders – a document whose development was led by the Office.

# Organization for Women in Science for the Developing World (OWSD) - Africa Regional Conference

The Conference was held in Nairobi, Kenya, from 5 to 7 September 2018. The main objective of this event was to create a forum for the exchange of research ideas, results and experiences between women in academic sciences and technology, with the ultimate goal of developing a strong network of women scientists who will not only collaborate on science-related projects but also in empowering and encouraging girls

in their countries to pursue the discipline. There was much enthusiasm about engaging with the activities of the various thematic area consortia of the Office. Women scientists in the engineering and mathematical sciences as well as the social sciences appealed for inclusion in the programmes and activities of the Office under the new organization which seeks to bring together both the natural and social sciences. A request was also made for the Office to endeavour to carve a niche for scientists involved in science education and not only scientific research.



### IAP/NASAC workshop on the SDGs

The IAP/NASAC Regional Workshop, which was held from 19 to 20 September 2018, in Nairobi, Kenya, was one of four regional events organized by the IAP, in collaboration with its regional networks, under the three-year IAP projects. The workshop sought to better understand the SDGs and STISA, and consider how the academies could best support them, focusing on shared challenges across all goals. The participation of the Office in this workshop added a voice of ISC and ISC ROA in

improving scientific input to policymaking processes at regional and global levels as well as exploring avenues for harnessing Science, Technology, Engineering and Mathematics (STEM) to address Africa's socio-economic challenges. The Office also used its involvement in the forum to expand the reach of ISC in Africa – several contacts were made with ISC National Members, some of which promised to send representatives to the ISC Africa Regional Consultative Forum.

# International Symposium on Health and Wellbeing in the Changing Urban Environment

The International Symposium on Health and Wellbeing in the Changing Urban Environment took place in Xiamen, China, from 17 to 18 October 2018. Its goal was to bring together urban health experts to discuss progress and advance health and wellbeing in changing urban environments. Various presentations pointed to the urgent need to promote health and wellbeing in the face of emerging problems as urban populations grow and industrialize. The symposium recommended more involvement from various stakeholders - researchers/scientists, policy makers/governments and the private sector- in finding solutions to these problems which are multi-faceted. The Office participated in this event and made a presentation on the Africa Science Plan on Health and Human Wellbeing, which was lauded as a formidable blueprint that envisions where the continent would be in the coming years as far as interventions to address the health and wellbeing of its peoples is concerned.

#### 3rd Biennial INGSA International Conference

This conference was held in Tokyo, Japan from 5 to 8 November 2018. Its objectives were: (i) to enable critical reflection and interdisciplinary dialogue on the practice and place of science

advice in policy making; (ii) to support the operationalisation of the SDGs and (iii) to consider strategies to further improve the provision of evidence-informed advice to public policy at all levels of government. The Office participated in the conference and gave a presentation on the activities of the Africa Chapter. Participants generally agreed that trust between science advisors and policymakers is very important; and science advice should be based on evidence and must not be imposed.

#### International Data Week 2018 and Conference

The International Data Week 2018 and Conference, which were held from 5 to 8 November 2018 in Gaborone, Botswana, brought together data scientists, researchers, industry leaders, entrepreneurs, policymakers and data stewards from all disciplines and geographies across the globe. The participation of the Office in both events gave us an opportunity to interact with and engage other experts from around the globe as well as present the works and activities of ISC in the region through networking. Several contacts were made that could potentially contribute to the ISC ROA research consortia – these will also be added to the Office's contact list.

### Annual Meeting of African Science Academies

This meeting was held in Benin from 12 to 14 November 2018. It aimed to continue the work on establishing and maintaining the African Scientists network, through the academies. This meeting was organized by NASAC, which is working in partnership with ISC ROA in implementing the LIRA2030 programme. The theme of the meeting was relevant to the LIRA2030 programme and young African researchers, as it dealt with sustainable development in Africa. It was noted that young academies needed to be engaged in the further development of Scientific

Academies in Africa, especially with the SDGs implementation. This platform was also utilised to engage and update ISC National Members on developments in the organization.

### The Launch of the Kingdom of Eswatini Academy of Sciences

The launch of the Kingdom of Eswatini Academy of Sciences (KEAS) was organized by the Ministry of Information, Communications and Technology of the Kingdom of Eswatini through its Department of Research, Science, Technology and Innovation. The launch, which was held on 27 November 2018, happened at the opportune moment when ISC is establishing roots around the globe, and KEAS might become one of the active academies rolling out ISC activities in Africa. The participation of the Office in the launch brought us closer to the new Academy and gave us an opportunity to interact with KEAS founding members as well as with other scientists and representatives from other stakeholders who were in attendance.

# Joint Research Centre of the European Commission Summer School

The Summer School was co-organised by the Joint Research Centre of the European Commission; the International Network for Government Science Advice (INGSA)-Africa Chapter (hosted at ISC ROA), in collaboration with the African Academy of Sciences and the DST. It took place in Pretoria, South Africa, from 9 to 11 December 2018. This Summer School had the following three main objectives: (i) development of new skills and competences on the use of evidence in policymaking for better research impact/uptake in policy; (ii) establishment and support to community of practitioners in Africa in the framework of #EU-4FACTS - Evidence for Policy Community of Practice; and (iii)

transfer and implementation of skills and competences acquired in local policy environments. This event brought together African scientists and policymakers to discuss challenges in Africa and share best practices on how to address them.

#### Science Forum South Africa

The Forum was held in Pretoria, South Africa from 12 to 14 December 2018. The Office mounted an exhibition on its programmes and activities at the forum. Technical staff also participated in relevant STI sessions.

### 2.5 Support for activities of the ISC Family in Africa

The Office continued to support capacity building activities of the ISC Family on the continent, as mandatory. This support either came in the form of financing or participating in such activities organised by members of the ISC Family in the various sub-regions.

# The 2nd Joint International Pan African Conference on Crystallography (PCCr2) and African Light Source (AfLS2)

The two events were held in Accra, Ghana, from 28 January to 2 February 2019. The PCCr2, which focused on Crystallography as a scientific tool for sustainable development of African economies, is one of the collaboration activities between ISC ROA and the IUCr. The Conference brought together African crystallographers, mineralogists, solid state and structural scientists to increase the awareness for crystallography and improve the educational opportunities for African researchers and students of all levels. The AfLS2, under the title "Towards a brighter future", came after the successful first African Light Source Conference and Workshop (AfLS1) held at the ESRF in Grenoble in November 2015. This conference reviewed the light source-based science and progresses the vision of an African

Light Source. Both meetings (the PCCr2 and the AfLS2) are ISC projects with financial support from ISC ROA (partially) and ISC (fully), respectively.

The participation of the Office during these events gave us an opportunity to interact and strengthen the collaboration with regional and international crystallography and physics communities as well as respective organisations/stakeholders dealing with this issue on the continent as well as to inform these communities about ISC ROA's activities on the continent and attract more scientists to our consortia as well as seek their buy-in. The Office took the opportunity to visit the Ghana Academy of Arts and Sciences (GAAS), the ISC National Member for Ghana, to update them on developments/activities at regional and global levels of the ISC. The Office's visit to the Ghana Academy of Arts and Sciences helped to re-establish the link between the Academy and Paris and they are in the process of updating their membership status.



## 2.6 Activities with the ISC Secretariat and other Regional Offices

### 2.6.1 ISC Meetings

### Founding General Assembly of the International Science Council

The Regional Director, Programme Specialist and Project Coordinator attended the General Assembly, which was held in Paris, France, on 3 – 5 July 2018. The National Members and Scientific Unions gathered to peruse and give an input on the Vison and Mission. The first GA was also utilised to elect the governing board of the newly formed council, where Prof. Daya Reddy and Prof Saths Cooper, both from South Africa, were elected as the 1st President of ISC and an ordinary member of the Governing Board, respectively.



### 1st ISC Inter-Regional Offices Meeting

This meeting which was held in Cartagena de Indias, Colombia, from 9 to 12 April 2018, was the first in a series of meetings proposed to offer face-to-face interactions between the RCA Chairs, Regional Directors and Science Officers of the three Regional Offices. The meeting sought to: (a) strengthen the

position and standing of Regional Offices; (b) share the strategies respective regional strategies; and (c) discuss and propose activities to enhance regional collaboration. The meeting brainstormed and set up a process to formulate a draft of the new Council's Regional Strategy to be submitted to the Governing Board for consideration. The RCA Chair, Regional Director and Programme Specialist participated in this Meeting.



### 2nd ISC Inter-Regional Offices Meeting

The meeting was held from 7 to 9 August 2018, with El Salvador as the host country. This meeting was the second in a series of meetings to provide a forum for the RCA Chairs, Regional Directors and Science Officers of the three Regional Offices of the ISC to discuss the ISC Regional Strategy and aspects such as challenges and opportunities, successful programmes/priority areas of collaboration, added value of regional structures, cross-regional collaboration, etc. The event was organised in collaboration with the Ministry of Science and Technology of El Salvador. Participants from the other Regional Offices had the opportunity to interact and share ideas with senior government officials and scientists from El Salvador and the region.

## The 2nd Meeting of the International Science Council Governing Board

TThe 2nd Meeting of the ISC Governing Board (GB), was held in Paris, France, from 8 to 10 October 2018, sat to deliberate and make decisions on a number of issues that include (i) the existing and proposed ISC activities;(ii) the ISC Regional Offices and future regional engagement; (iii) new ISC priorities and activities including an approach to strategy development (2019- 2021); (iv) governance that includes the ISC Advisory Bodies and GB operations; (v) membership application, dues and engagement; and (vi) ISC finance. The Regional Office gave a presentation on past and planned activities and carried the recommendation from the RCA to the GB for action.



### The ISC Regional Strategy Working Group Meeting

This meeting which took place on 11 October 2018 in France, collected information about the progress made in the development of the ISC Regional Strategy. The Office, as an integral

part of this Working Group, presented the ideas/statements from the region that would influence the Strategy as well as giving feedback to the ISC family in Africa.

#### 2.7 Activities with other Partners and Networks

ISC ROA continued to strengthen its relationships with its traditional partners and networks, while establishing new ones, over the 2018/19 financial year.

# Human Science Research Council (HSRC) 8th Africa Unity for Renaissance Conference (AURC) and Africa Day Expo and Exhibition

The Office, in collaboration with the HSRC, DST, NRF and other partners from South Africa, organised the 8th AURC and Africa Day Expo and Exhibition that was held from 23 to 25 May 2018, in Pretoria, South Africa. The conference was aimed at interrogating key factors that impinge on Africa's industrialisation aspirations with focus on the global and local policy and institutional regime, hard infrastructure, local and regional economic linkages, human capital development, national systems of innovation and the role of natural resources endowment in the milieu. This event drew participation from the natural and social scientific community (both established and early career scientists), policymakers and think-tanks, UN agencies, the diplomatic community. It ended with an Outcome Statement to governments and policymakers of African countries, waking them up to their responsibilities towards attaining the Africa's industrialisation in this era of the 4th Industrial Revolution globally. The Office chaired a panel discussion and served as rapporteurs in several sessions during the conference. The Office also manned an exhibition stand during the Africa Day Expo and Exhibition.

## Seedbeds of Transformation: the role of science with society and the SDGs in Africa Conference

The conference, which was co-convened by Future Earth, the South African Department of Science and Technology, the National Research Foundation of South Africa and the Global Change System for Analysis, Research and Training (START), was held in Port Elizabeth, South Africa, from 9 to 11 May 2018. The conference sought to explore potential trade-offs and synergies associated with the SDGs in different contexts across Africa, and to identify opportunities to build on relevant action and research initiatives to advance SDGs implementation efforts. It provided a collaborative, transdisciplinary space for people with diverse perspectives to explore transformations and the SDGs in Africa. Designed around the concept of an innovation marketplace, the conference brought together innovators from research, government, industry, NGOs, the media and more. ISC ROA made a strong showing at this conference by mobilizing and sponsoring the participation of AFEC members as well as representatives from the Thematic Consortia, Regional Committee, INGSA-Africa Chapter, Network of Young Scientists as well as the Office's staff.



## Training Programme for Science diplomacy/Science Advice for future perspectives

The Office was invited to give a presentation on science advice during a Training Programme for Science Diplomacy/Science Advice for future perspectives that was held from 10 to11 March 2019 in Egypt. The training was an opportunity for ISC ROA to share their experience in diplomacy and advice and link them up with the relevant activities from other part from within and outside the continent. The speakers were representing different science advice organization who are also funding organizations, and this gave the Office an opportunity to interact with them, establish crucial links and expand its networks.

### 3rd International Conference for Women in Science without Boarders

The theme for this Conference which was held from 12 to 14 March 2019 in Cairo, Egypt, was Science Diplomacy for Sustainable Development and presentations covered both natural and social sciences. This was a gender-inclusive conference and the discussions were focused around the role, influence and impact of women in science diplomacy for sustainable development. The Office supported the travel for 3 scientists from the region, who gave presentations during the breakaway sessions. The conference was also used to re-establish connection with Egypt as one of the ISC National Members and update them on the ISC activities at regional and global level.



### 2.8 Strategic Partnerships

The Office has continued to develop and strengthen strategic partnerships that focus on benefiting ISC/ISC ROA programmes and activities as well as avenues of scientific collaboration on the continent.

### Academy of Science of South Africa (ASSAf)

Our relationship with our host institution, ASSAf, continues to be strengthened with collaboration in a number of events organised by both organisations. These included the ISC RCA side-events in Maseru, Lesotho in August 2018 and the Dakar, Senegal in March 2019, the INGSA-Africa Capacity Building Workshop during the Infectious disease symposium (11 April 2018, South Africa) and the South African Young Academy of Science (SAYAS) Annual General Meeting and capacity building meeting (16-17 October 2018, South Africa) ASSAf was represented at all the ISC Regional Committee for Africa meetings which gave guidance on the activities and implementation strategy for the Office.

### Southern African Development Community

## Joint SADC Ministers Meeting on Education and Training and Science, Technology and Innovation

The main purpose of the meeting was to review the progress of the implementation of the Education and Training and Science, Technology and Innovation Programmes within the context of the Revised SADC Regional Indicative Strategic Development Plan (RISDP) 2015 - 2020 and the SADC Industrialisation Strategy (2015 - 2063), as well as other relevant continental and international policy frameworks. The meeting was attended by senior officials of SADC member states, as well as experts responsible for education and training (basic and higher education), and STI from the sub-region. The participants discussed SADC STI programme priorities that require the attention of member states. The participation of ISC ROA gave the Office an opportunity to work with member states, experts and other partners in reviewing the progress on the implementation of STI decisions taken by member states in the sub-region, as well as an opportunity to give inputs to the SADC Regional Indicative Strategy in relation to education and training and science, technology and innovation. The Office presented its science activities and highlighted the expectations of ISC ROA from the governments in the region to support the Office's activities. The Regional Office also manned an exhibition stand where it shared with the participants and distributed ISC ROA as well as ISC marketing material.

# 1st SADC High-level Regional Conference of Vice Chancellors and Deans of Education, Science, Engineering and Technology SADC High-level Meeting (20-21 February 2019, Zimbabwe):

The meeting, which was organised by the Zimbabwe Ministry of High Education, Science and Technology in partnership the UNESCO Southern Africa Office, sought to bring together Vice

Chancellors and Deans of Science, Engineering and Technology as well as other partners to develop a framework for accelerating Higher Education and Science, Technology and Innovation (STI) as drivers for SADC Industrialisation. The Conference gave a platform for university leaders, policy makers, academics, development partners, international scientific and engineering networks and the private sector to deliberate on why, what and how to revitalise higher education science, technology, engineering and mathematics training, research and innovation towards achieving the sustainable development goals in Southern Africa and beyond. It also served as a forum to engage the stakeholders in the field of higher education, deliberate on key issues on sustainable and inclusive quality higher education in the region, and sensitize main stakeholders on the implementation of the provisions of the 2014 Addis Convention on Higher Education. The Office presented ISC ROA activities at this event and engaged a number of stakeholders in the field of higher education to explore how their activities can complement those of ISC ROA in the region as well as expand the reach of ISC in this part of the continent.

At the end of the conference, participants committed to a 13-point final statement to be submitted to the next meeting of the SADC Ministers of Education, Science and Technology in June 2019, in Namibia.

#### 2.9 Database of Scientists, Academic and Research Institutions

The Office's database of African researchers as well as research and academic institutions continues to grow with each new scientist contact during our numerous engagements. The databases of scientists, both young and established, and stratified according to the four Africa Science Plan thematic areas, are also expanding substantially as more experts get

identified through networking activities as well as those from the LIRA2030 initiative. We have established partnerships with the ASSAf, NASAC and the African Academy of Sciences (AAS) to roll out this project which has received a boost from the DST, with financial support (through ASSAf) to jumpstart the process.

### 2.10 Capacity Building

#### 2.10.1 LIRA2030

### LIRA 2030 Project Coaching Workshop

The Office organised the LIRA2030 Transdisciplinary Training and the Project Coaching Workshop in Port Elizabeth, South Africa, from 05 to 06 May and 07 to 08 May 2018, respectively. The two events brought together LIRA2030 grantees and gave them a platform to interact and foster collaboration, enhance networking between them as well as present their progress and share their experience in project implementation. The training helped create the conditions for successful proposal development, production and dissemination of knowledge on global sustainability. Post the workshop, ten grantees participated in the Seedbeds of Transformation Future Earth Conference.



### LIRA2030 Transdisciplinary Research Training

The 3rd Transdisciplinary Research Training of the 35 shortlisted prospective projects under the theme "Pathways towards Sustainable African Urban Development" was held in Cote d'Ivoire from 03 to 07, September 2018. This training was aimed at ensuring that pre-selected research teams have the required skills and knowledge to develop integrated research proposals to undertake this type of research. Conditions for successful proposal development, production and dissemination of knowledge on global sustainability were created for the 35 shortlisted pre-proposal attendees. Most of the prospective grantees did not understand the intricacies of transdisciplinary research, which was made clearer during the workshop. Certain aspects regarding bridging the gap between policy and the implementation of policies within each project surfaced during the discussions. The presented discussion feedback from the early career scientists was noted and will be used to efficiently implement the above mentioned LIRA2030 call.



#### LIBA2030 2nd Annual Research Forum

The 2nd Annual Research Forum brought together all the LIRA2030 grantees, to present their project progress. Nineteen of the funded projects were in attendance from 25 to 27 March 2018 in Dakar, Senegal. The main objective of the meeting was for the appointed trainers to assist the grantees in harnessing their projects and utilizing timelines efficiently to complete their projects in the allocated funding period of two years. Most of the grantees found the forum deliberations vital to the implementation of their works such that they have a meaningful impact on the projects, going forward. Most importantly, the future of the programme was discussed as it is in the 4th of its 5-year lifespan.

The LIRA2030 Science Advisory Committee also met during this event to select ten projects for funding as well as chart a way forward for the LIRA initiative in general.



### FINANCIAL REPORT

### ANNUAL FINANCIAL STATEMENT

### FOR THE YEAR ENDED 31 MARCH 2019

The Income and Expenditure Report of the Office for the period 1 April 2018 to 31 March 2019 as submitted by the commissioned Auditors is shown below:

tors is shown below:	2019	2018
INCOME RECEIVED	4.070.000	1 000 455
ISC Secretariat Swedish International Development Cooperation Agency - Sida	1,078,688 74,756	1,069,455
INGSA	307,866	640,244
TROPICSU	136,498	-
Sundry donation	-	28,168
Sundry income	1,237	-
DST CONTRIBUTION	5,315,000	-
NRF CONTRIBUTION	-	5,147,880
UNCOMMITTED FUND FROM PREVIOUS YEAR	3,635.988	3,923,781
FUNDS AVAILABLE FOR THE YEAR	10,550,033	10,779,540
TOTAL EXPENDITURE	8,957,664	7,143,250
	5,415,468	4,018,344
Advertising	14,996	-
Audit fees	110,993	58,903
Bank charges	11,736	2,968
Casual workers	31,126	8,491
Catering and refreshments	19,020	11,524
Cleaning services	1 600	13,496
Computer consumables Conference fees	1,683   673,671	2,425 356,457
Conference fees	1,214,387	1,071,144
Consulting fees	50,000	-
Information and technology services	4,163	60,693
Insurance	119,610	27,095
Lanyards	1,500	-
Layout and design	-	-
License fees	16,790	18,818
Loss on exchange	2,617	-
Office expense	21,986	10,636
Postage and courier Printing and publications	5,212   96,110	450   43,729
Registration	45,800	43,729
Rent - office	328,716	329,733
Repairs and maintenance	725	
Research	-	33,600
Security services	-	19,709
Staff training	39,801	13,064
Stakeholders/partners support	596,632	171,146
Stationery	10,875	1,944
Telephone Travel and accommodation	7,670	6,626
Travel and accommodation	2,662,870	2,110,633
SALARIES	3,542,196	3,125,196
SURPLUS FOR THE PERIOD	1,592,369	3,635,988

### **CONCLUSION**

Going through another year with the successful execution of the aforementioned programmes and activities can only be attributed to the collective efforts of our RCA members, scientists in the four consortia, our traditional partners and stakeholders, members of the ISC family, our host institution and government, headquarters, and of course we the staff of the Office.

Within the available resources and with tenacity of purpose, we managed to add onto our achievements over the last decade in realising the scientific agenda of the Office. We wish to commend our traditional partners and stakeholders for their support and collaboration and look forward to continuous engagement with them in the coming years as we chart the path of scientific emancipation and socio-economic development for our continent.

### ANNEXURE A

### **Annexure A: Office Personnel**

Name	Position
Dr Daniel Nyanganyura (Zimbabwe) d.nyanganyura@icsu-africa.org	Regional Director
Dr Richard Glover (Ghana) r.glover@icsu-africa.org	Programme Specialist
Ms Nomasomi Gasa (South Africa) nomasomi@icsu-africa.org	Project Coordinator
Mr Bongani Mahlalela (South Africa) b.mahlalela@icsu-africa.org	Communications Officer
Ms Lerato Mmatloa (South Africa) I.mmatloa@icsu-africa.org	Administrative Assistant

### ANNEXURE B

# Annexure B: Composition of the ISC Regional Committee for Africa Statutory Members of ISC Regional Committee for Africa

#### **Prof Samuel Babatunde Agbola**

(Chair)
Urban & Regional Planning University of Ibadan
PO Box 26970 Ibadan, Nigeria
babatunde.agbola@gmail.com

#### Dr Joseph Kanyanga (Vice Chair)

Zambia Meteorological Department, P.O. Box 39186 Lusaka 10101, Zambia jk\_kanyanga@yahoo.com

### **Prof Samuel Ayonghe**

Faculty of Science University of Buea PO Box 63 Buea, Cameroon samayonghe@yahoo.com

#### Dr Cherkaoui El Moursli

University of Rabat 50 rue Allaimoun, Secteur 5 Hay Riad Rabat, Morocco rcherkao@cern.ch raja.cherkaoui@um5.ac.ma

#### **Dr Benjamin Lamptey**

ACMAD 55 avenue de Ministeres BO 13184 Niamey, Chad bllamptey@gmail.com

#### **Prof Jacques André Ndione**

Facilité du SAHEL, Direction de l'Environnement et de la Finance Climat, Banque Ouest Africaine de Développement 68, Av. de la Libération, BP 1172, Lomé-TOGO

Jacques-andre.ndione@cse.sn jacandrendione@yahoo.fr

#### **Prof Francine Ntoumi**

Fondation Congolaise pour la Recherche Médicale Brazzaville, Republic of Congo fntoumi@fcrm-congo.com

#### Prof Inês Raimundo

Eduardo Mondlane University Maputo, Mozambique inesmacamo@gmail.com

### **ANNEXURE B**

### **Ex-Officio Members of ISC Regional Committee for Africa**

#### **Prof Himla Soodyall**

Executive Officer
Academy of Science of South Africa
Pretoria, South Africa
Himla@assaf.org.za

#### Dr Heide Hackmann

Chief Executive Officer, ISC 5, rue Auguste Vacquerie 75116 Paris, France Heide, Hackmann@council.science

#### **Prof Daya Reddy**

President, ISC
Department of Mathematics and Applied Mathematics,
University of Cape Town, 7701
Rondebosch, South Africa
daya.reddy@uct.ac.za

### **Dr Daniel Nyanganyura**

Regional Director ISC Regional Office for Africa Pretoria, South Africa d.nyanganyura@icsu-africa.org

### ANNEXURE C: ISC Family in Africa

### **Annexure C1 - ISC National Members in Africa**

Angola Foundation of Science and Development (Member since 2010)

Botswana Botswana Institute of Technology Research and Innovation (Member since 2006)

Burkina Faso Centre National de la Recherché Scientifique et Technologique (Member since 1981)

Cameroon Academy of Sciences (Member since 1999)

Côte d'Ivoire Académie des Sciences, des Arts, des Cultures d'Afrique et des Diasporas Africaines (Member since 1992)

**Egypt** Academy of Scientific Research and Technology (Member since 1925)

Ethiopia Ethiopian Science and Technology Agency (Member since 2006)

Ghana Ghana Academy of Arts & Sciences (Member since 1961)

Kenya National Academy of Sciences (Member since 1980)

Lesotho Department of Science and Technology (Member since 2007)

Malawi National Research Council of Malawi (Member since 2006)

Mauritius Research Council (Member since 2005)

Morocco Centre National de la Recherché Scientifique et Technique (Member since 1925)

Mozambique Scientific Research Association of Mozambique (Member since 1999)

Namibia Ministry of Education: Directorate of Research, Science and Technology (Member since 2008)

Nigeria Nigerian Academy of Science (Member since 1963)

Rwanda Kigali Institute of Science and Technology (Member since 2006)

Senegal Association des Chercheurs Sénégalais (Member since 1993)

Seychelles Seychelles Centre for Marine Research and Technology (Member since 1983)

South Africa
National Research Foundation (Member since 1919)

Sudan
National Centre for Research (Member since 1974)

Swaziland
National Research Council (Member since 1993)

Tanzania Commission for Science and Technology (Member since 2004)

Togo Chancelleries' des Universités du Togo (Member since 1993)

Uganda Uganda National Council for Science and Technology (Member since 1995)

Zambia Zambia Academy of Sciences (Member since 2006)

Zimbabwe Research Council of Zimbabwe (Member since 1989)

### ANNEXURE C

### **Annexure C2 - ISC National Scientific Associates in Africa**

Madagascar Ministère de l'Enseignement Supérieur et de la Recherché Scientifique (Member since 1970)

Tunisia Université Tunis El Manar (Member since 1931)

### **Annexure C3 - ISC Scientific Unions in Africa**

Committee on Data for Science and Technology

International Centre for Genetic Engineering and Biotechnology

International Geographical Union

International Mathematics Union

International Union for Physical and Engineering Sciences in Medicine

International Union of Biological Sciences

International Union of Food Science and Technology

International Union of Forest Research Organisations

International Union of Geodesy and Geophysics

International Union of Geological Sciences

International Union of History and Philosophy of Science and Technology

International Union of Psychology

International Union of Pure and Applied Chemistry

International Union of Pure and Applied Physics

International Union of Toxicology

The International Union for Quaternary Science

The International Union of Basic and Clinical Pharmacology

### **Disclaimer**

Much as the authors ascribe to the illustrative nature of the pictures in this report, they do not hold the copyrights of some of these images and are therefore exonerated from any misconceptions that they may portray.

NOTES					



# The global voice for science Regional Office for Africa P.O. Box 13252, Hatfield 0028, Pretoria, South Africa Tel: +27 (0) 12 349 6660 Email: regdirector@icsu-africa.org Website: https://council.science/regions/roa Secretariat: Dr Daniel Nyanganyura (Regional Director), Dr Richard L K Glover, Ms Nomasomi Gasa Mr Bongani Mahlalela, Ms Lerato Mmatloa