

Global Water Partnership Southern Africa



2019 Annual Report



Global Water
Partnership
Southern Africa

Our **vision** is a water-secure Southern African region.

Our **mission** is to support countries to improve their water security for job creation, climate resilient development, and industrialisation.

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About GWPSA

The Global Water Partnership Southern Africa (GWPSA) is one of 13 regional networks that make up the Global Water Partnership (GWP), bringing about solutions that are both tailored to local conditions and informed by local experiences and good practices from across the continent. The Global Water Partnership Southern Africa offers practical advice for sustainably managing water resources to 16 countries in the Southern African Development Community (SADC) region. The regional network manages activities and convenes stakeholders in the SADC region and at pan-African level to address issues that have an impact on water security.

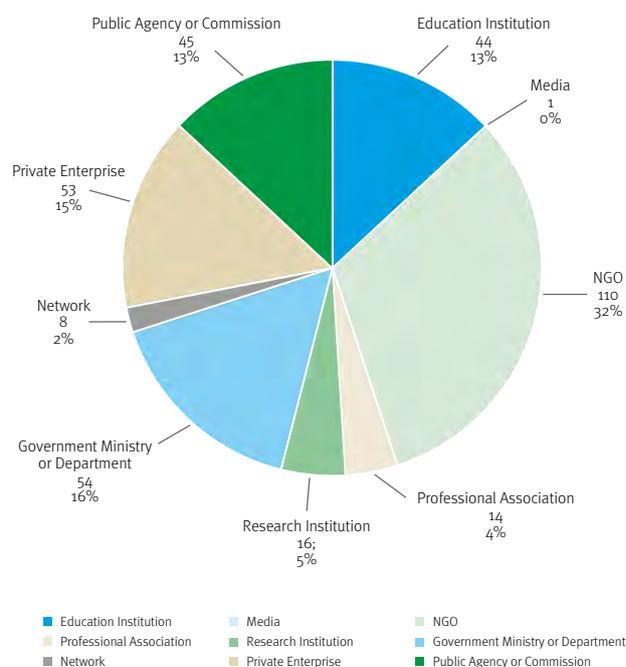
The Global Water Partnership is an international network that was created in 1996 to foster implementation of integrated water resources management: the coordinated development and management of water, land, and related resources that maximises economic and social welfare without compromising the sustainability of ecosystems and the environment. GWP has 86 Country Water Partnerships (CWPs), 13 regional water partnerships and more than 3,000 partner organisations in 183 countries.

The Global Water Partnership Southern Africa hosts the coordination unit for all five GWP regions in Africa. The GWPSA and Africa Coordination Unit (GWPSA-ACU) coordinates Pan-African GWP programmes in supporting Africa's continental priorities.

Number of partners per country

Country	Partners
Angola	4
Botswana	9
Democratic Republic of the Congo	16
Eswathini	34
Lesotho	9
Malawi	67
Mauritius	7
Mozambique	41
Namibia	8
South Africa	23
Tanzania	28
Zambia	54
Zimbabwe	45
Total	345

GWPSA partners



Commonly Used Acronyms

AfDB	African Development Bank	IWRM	integrated water resources management
AIP	Africa Water Investment Programme	KCS	Kalahari Conservation Society
AMCOW	African Ministers' Council on Water	LHWP	Lesotho Highlands Water Project
AU	African Union	MOU	memorandum of understanding
AUDA–NEPAD	African Union Development Agency	NAP-Ag	Integrating Agriculture in National Adaptation Plan
BUPUSA	Buzi, Pungwe and Save	PIDA	Programme for Infrastructure Development in Africa
COMESA	Common Market for Eastern and Southern Africa	RBO	river basin organisation
COP	Conference of the Parties	RSAP	Regional Strategic Action Plan
CRIDF	Climate Resilient Infrastructure Development Facility	SADC	Southern African Development Community
CWP	Country Water Partnership	SADC–HYCOS	Southern African Development Community Hydrological Cycle Observing System
EU	European Union	SAYWIN	Southern Africa Youth WEF Innovation Network
FAO	Food and Agriculture Organization of the United Nations	SDG	Sustainable Development Goal
GCF	Green Climate Fund	UN	United Nations
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit	UNDP	United Nations Development Programme
GWP	Global Water Partnership	UNESCO–IHP	United Nations Educational, Scientific and Cultural Organization International Hydrological Programme
GWPO	Global Water Partnership Organisation	USAID	United States Agency for International Development
GWPSA	Global Water Partnership Southern Africa	WACDEP	Water, Climate and Development Programme
GWPSA–ACU	Global Water Partnership Southern Africa and the African Coordination Unit	WEF	Water-Energy-Food
HYCOS	Hydrological Cycle Observing System	WMO	World Meteorological Organization
ICM	Integrated Catchment Management		
IDRC	International Development Research Centre		
IUWM	Integrated urban water management		

Message from the Chair: Water security and jobs for Africa



His Excellency President Jakaya Mrisho Kikwete
Chair: Global Water Partnership Southern Africa –
Africa Coordination Unit

Our continent finds itself at a critical juncture. Our youth population is exploding and with it comes the opportunity to industrialise, innovate, and transform our economies towards a more prosperous and peaceful Africa. At the same time, we face the global economic fallout of the Covid-19 pandemic, the full extent of which will only become apparent in the coming years.

As countries embark on rebuilding post Covid-19, I echo the calls being made by leaders in our field, including 2021 United Nations (UN) Climate Change Conference or COP26 (Conference of the Parties 26) President Alok Sharma and COP25 President Carolina Schmidt, to prioritise climate-resilient water security in economic recovery plans.

The impact of climate change on our water resources is urgent and continues to increase.

Accelerating investment in water security is the only sustainable and long-term route to secure the energy, food, sanitation, and industry needs of our continent.

Presently, investment in water infrastructure, institutions, and information falls short of what is needed to meet the continent's economic and social needs. New estimates by the African Development Bank (AfDB) suggest that the continent's infrastructure needs amount to US\$130–US\$170 billion a year, with a financing gap in the range US\$68–US\$108 billion. The estimated annual infrastructure investments to realise the African Water Vision are US\$64 billion per year.

It is my great honour to assume the position of Chair of Global Water Partnership Southern Africa (GWPSA) and the African Coordination Unit at this turning point, and to contribute to achieving the goal of a water-secure Africa alongside the valued members who make up the GWPSA-ACU network.

Global Water Partnership Southern Africa's work over the next six years will be guided by the Africa Water Investment Programme (AIP), which will aim to leverage US\$30 billion by 2030 towards water and sanitation investments in Africa. Five million jobs comprised of one million direct jobs, as well as four million indirect jobs for youth and women, stand to be created from water-related investments during this period.

The AIP was developed in collaboration with the AfDB, the African Water Facility, and AUDA-NEPAD, and was adopted by the African Ministers' Council

on Water in 2019. The programme is also acknowledged by the High Level Panel on Water, convened by the UN and World Bank.

As GWPSA-ACU Chair, I commit to ensuring that the AIP continues to benefit from high-level political support. Activities that we will undertake include establishing an international panel for water investment on the continent, convening an AIP Investment Summit, strengthening the business case for water investments, and working towards peace and security for Africa's transboundary waters.

At the same time, we will ensure that the key agendas of gender equality and youth

empowerment remain front and centre, as programmes and investments are conceived, designed, and implemented. The future of Africa is youth, and youth is synonymous with opportunity. The recovery from Covid-19 will be difficult, but the opportunity to build back better is clear.

I thank all GWPSA's partners for their contribution in advancing the climate-resilient water-investment agenda to its present point; and I look forward to working with you all.

His Excellency President Jakaya Mrisho Kikwete,
former President of the Republic of Tanzania.

Chair: GWPSA – Africa Coordination Unit



"Accelerating investment in water is the only sustainable and long-term route to secure the energy, food, sanitation, and industry needs of our continent"

His Excellency
President Jakaya Kikwete

Note from the executive secretary



Alex Simalabwi
Executive Secretary: Global Water Partnership Southern Africa
Global Head: Climate Resilience
Head: Africa Coordination Unit

Africa's population is forecast to reach 1.6 billion by 2030¹. This means that we will need to produce 50 percent more food and increase water supply tenfold in order to meet the demand of an increasingly urban population and fuel the development of our continent's economies².

A rapid increase in investment in water security is necessary, not only to overcome the challenges we face in water and food security, but also to create jobs, promote industrialisation, and fuel inclusive, sustainable, and climate-resilient development.

The endorsement of GWPSA's Africa Water Investment Programme (AIP) by the African Ministers' Council on Water during 2019 was a significant step towards this goal.

The AIP will guide GWPSA's work over the next six years, aiming to leverage US\$30 billion towards water and sanitation investments by 2030. Five million jobs comprised of one million direct jobs, as well as four million indirect jobs for vulnerable youth and women, stand to be created from water-related investments during this period.

The AIP is built on the foundation of our partner network's collective accomplishments, lessons, and experience. Between 2014 and 2019, we implemented three key programmes: the Water, Climate and Development Programme (WACDEP), the SADC-GIZ Transboundary Water Management Programme, and the SADC-EU Water-Energy-Food (WEF) Nexus. Together with our partners, we introduced the concepts of climate resilience and water security into national planning processes, facilitated transboundary water security across the continent, called attention to the interrelated and interdependent ecosystem of water, energy, food, and health, and highlighted the role of water and sanitation in the region's growing cities.

These activities now form the basis for the AIP as three support programmes: Sustainable Development Goal (SDG) 6 investments, climate-resilient development, and transboundary water cooperation.

However, any reflection on GWPSA's past progress is rendered incidental without acknowledging the present reality of the Covid-19 pandemic. The virus has changed our way of doing business, but it has not shifted our focus on securing sustainable and equitable water resources for our continent.

We remain focused on the commitments made at the introduction of the AIP in 2019: to mobilise finance and investments for water security, climate resilience, and SDG implementation. The AIP will initially be anchored in five countries spanning five river basins: Benin in the Volta Basin, West Africa; Cameroon in Lake Chad, Central Africa; Uganda in Lake Victoria/Kagera Basin, Eastern Africa; Tunisia in the North-western Sahara Aquifer, North Africa; and Zambia in the Zambezi Basin, southern Africa.

Global Water Partnership Southern Africa will also

¹ United Nations Department of Economic and Social Affairs, World Population Prospects 2019

² African Development Bank projection

be putting new energy into supporting its own southern African country partnerships in the Global Water Partnership Organisation accreditation process to develop their capacity to participate fully in planning for water resources – locally and with their neighbours.

At a regional level, we will strengthen cooperation with river basin organisations such as the Orange-Senqu River Commission (ORASECOM), the Limpopo Watercourse Commission, the Permanent Okavango River Basin Water Commission, the Zambezi Watercourse Commission and others. The continental bodies such as the African Union Development Agency (AUDA–NEPAD) and the Common Market for Eastern and Southern Africa (COMESA) are already supporting innovative responses to African needs, including growing inclusion of the continent's people. One example is the development of the AUDA–NEPAD Job Creation Toolkit, which will allow countries to forecast the number of direct and indirect jobs from investments in water security. We also plan to initiate work on an Africa Water Investment Index to assist countries benchmark their progress and attract much-needed water and sanitation investments.

Our organisational structure calls for periodic infusion of fresh energy to renew our operations. We commence the 2020–2025 strategy period with the expertise and leadership of a new Chair, His Excellency President Jakaya Mrisho Kikwete, and two new Board members, Her Excellency Chileshe Kapwepwe, who is the current COMESA Secretary-General, former Executive Director at the International Monetary Fund and Zambia's former Deputy Finance Minister, and Ms Nchedi Sophia Maphokga-Moripe, Chief Director: Global Cooperation and Strategic Partnerships in South Africa's Department of Water and Sanitation. The value brought to GWPSA by these astute, experienced, and connected professionals will contribute hugely to the impact of our programmes.

Finally, I would like to emphasise that all of our work is accomplished through the commitment, expertise, and enthusiasm of our partners. We thank you, and look forward to more stimulating and creative work together in the upcoming decade.

Alex Simalabwi
Executive Secretary: GWPSA
Global Head – Climate Resilience
Head: Africa Coordination Unit

Africa Water Investment Programme initial target countries and river basins

-  **Tunisia**
North-West Sahara Aquifer System
-  **Benin**
Volta Basin
-  **Cameroon**
Lake Chad Basin
-  **Uganda**
Kagera/Lake Victoria Basin
-  **Zambia**
Zambezi River Basin



2019 in summary

During 2019, GWPSA saw progress across its three goals through catalysing change in policies and practice, generating and communicating knowledge, and strengthening partnerships.

The organisation's governance processes were rejuvenated with the recruitment of new Board members and renewed mandates, as well as significant progress in the programmes that are transforming the way countries and organisations understand the role of water in the southern African region.

Global Water Partnership Southern Africa supported the establishment of new and strengthened governance processes for the Buzi, Pungwe and Save (BUPUSA) Tri-basin watercourses, improved capacity of the Programme for Infrastructure Development in Africa (PIDA) in collaboration with AUDA-NEPAD, and reinforcement of Africa-wide water security and sanitation goals through the creation of platforms for mutual learning.

Engaged stakeholders are an essential ingredient for transformational impact that will bring water into a wide range of conversations across sectors. In 2019, the Southern African Development Community (SADC) Dialogue and PIDA Water Programme harvested and shared a cross section of stakeholder experiences to guide programme management through major workshop events.

Over the year, GWPSA continued its advocacy for gender mainstreaming with the inclusion of Gender focal points in transboundary water stakeholder

consultations, the finalisation of the SADC Gender Mainstreaming Action Plan for the Water Sector, as well as country action plans, capacity building in inclusive project preparation, and finance.

Global Water Partnership Southern Africa championed the potential of youth to contribute to sustainable water resources management in 2019 through facilitating the formation and recognition of Southern Africa Youth WEF Innovation Network, a network of young people working on the WEF Nexus. The network will encourage innovation and entrepreneurship in the water sector by providing opportunities for exposure to economic opportunities and political support.

This past year, the Tanzania Water Partnership excelled through a range of activities that highlighted the importance of managing the country's shared water sustainably. Tanzania's collaborative efforts also produced a major report documenting the value of Tanzania's transboundary water interventions, engagement with climate financing, and partnerships with research institutions that will support the science-policy interface.

Global Water Partnership Southern Africa has led the publication of two landmark knowledge products that help to explain the central role of water in climate change mitigation and adaptation: Part II of The Untold Story of Water in Climate Adaptation, and Mobilising Change Makers by the Water, Climate, and Development Programme.

With GWPSA's five-year strategy wrapping up in 2019, GWP looks forward to implementing its new strategy for the next five years: Mobilising for a Water Secure World. The strategy will allow GWPSA to build on the achievements of its work programme as a regional leader in transboundary cooperation and social transformation in the face of climate change.

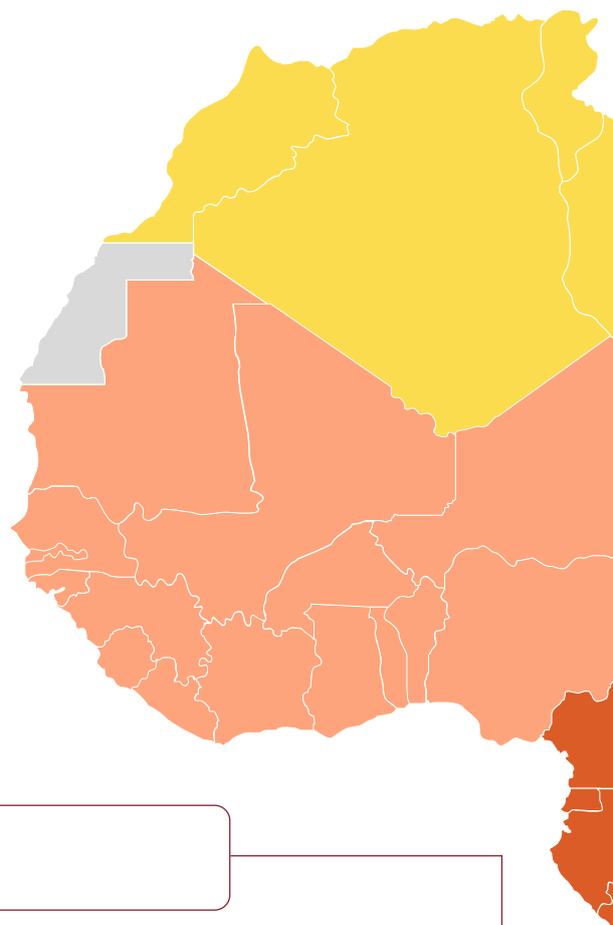
Noteworthy outcomes

- Endorsement of the **AIP** by the African Ministers' Council on Water (AMCOW) Ministers
- Development of the AIP-PIDA Transboundary Water programme with AUDA-NEPAD
- Development of the **SADC WEF** Nexus framework
- Facilitation of signing of a bilateral agreement for the Buzi River and road map for establishing the **BUPUSA** Tri-basin Institute
- Formation of the Southern Africa Youth **WEF** Innovation Network (SAYWIN) for young people engaged with water issues
- Development of joint recommendations for sustainable groundwater management through a new framework and planning tool
- Finalisation of the **SADC** Gender Action Plan for water

Save River
(Photo credit: jacadatravel)



2019 Operational highlights



Zimbabwe

- Zimbabwe Water Partnership Annual General Meeting. Page 27.

Botswana

- Botswana Water Partnership Accreditation with Global Water Partnership Organisation. Page 26.

Cubango-Okavango Basin

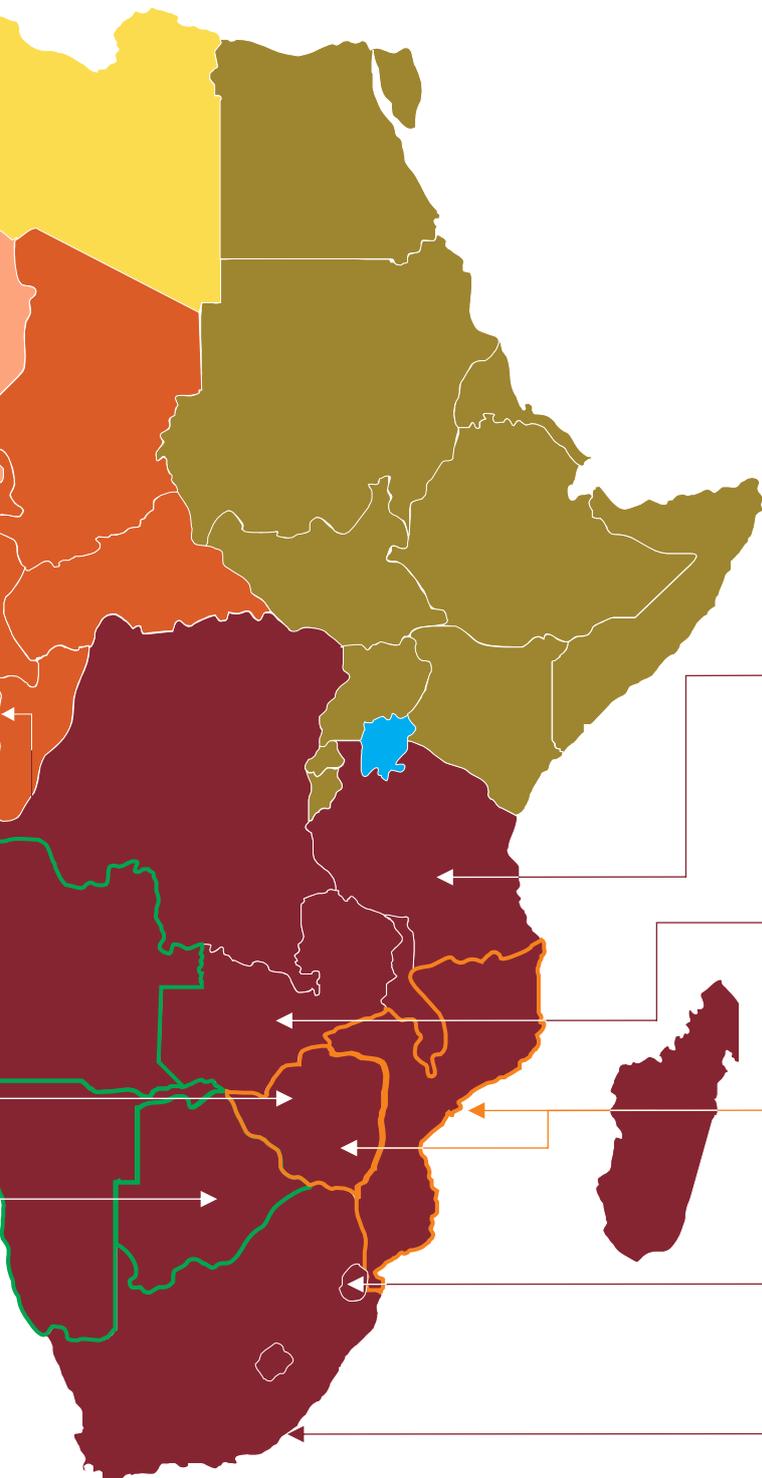
- [Lessons from the Okavango: Promoting Transboundary Water Management Practices that Benefit People and Ecosystems](#). Page 20.

Namibia

- A Multi-stakeholder Platform for Namibia. Page 27.

Southern Africa

- Promoting the WEF Nexus and Youth Empowerment for Sustainable Development. Page 34.
- Developing a Common Agenda for Transboundary Freshwater Resources Conservation. Page 21.
- SADC member states validate the WEF Nexus Regional Framework. Page 22.
- The SADC WEF Nexus Investment Project Screening Tool introduced to key partners. Page 22.
- Towards a WEF Nexus Approach for enhancing sustainable development in Africa. Page 23.
- Supporting Nexus through regional research. Page 23.



Africa

- Supporting AUDA with the PIDA Water Action Plan. Page 19.
- Building Capacity in Transboundary Water Law. Page 20.

Tanzania

- New Partnership Agreements for the Global Water Partnership Tanzania. Page 28.
- Capacity Building for the East African Water Sector. Page 29.
- Global Water Partnership Tanzania elected as member of the UNESCO–IHP Executive Committee. Page 29.
- Lessons from the SDG Lab Future Earth Project shared at the XVII International Triple Helix Conference. Page 29.
- Benefits and Challenges of Transboundary Water Cooperation for Tanzania. Page 25.

Zambia

- Zambia Water Partnership Moves towards Global Water Partnership Organisation Accreditation. Page 27.

Mozambique and Zimbabwe

- Mozambique and Zimbabwe increase cooperation in the Buzi Watercourse. Page 15.

Lesotho

- Rolling Out Local-Level Watershed Development in Lesotho. Page 20.
- Achieving Transboundary Governance and Bilateral Partnership in the Lesotho Highlands Water Project Phase II. Page 21.

South Africa

- Towards reviving the South Africa Country Water Partnership (CWP). Page 27.

Towards a water secure world



SOUTHERN AFRICA



EASTERN AFRICA



MEDITERRANEAN



CENTRAL AFRICA



WEST AFRICA

GWPSA–ACU Chair, His Excellency President Jakaya Mrisho Kikwete, calls for urgent measures to address the water crisis in the SADC region



His Excellency President Jakaya Mrisho Kikwete (second from right) taking over as new Global Water Partnership Southern Africa and the African Coordination Unit (GWPSA–ACU) Chair from the outgoing Dr Kuiru F Tjipangandjara (centre) during a handover ceremony in Dar es Salaam, Tanzania. In attendance were GWPSA Executive Secretary, Mr Alex Simalabwi (second from left), GWPSA Finance Manager, Mr Tendai Gandanzara (left), and GWPSA Board Vice-chairman Engineer Munashe Mvura (right)

His Excellency President Jakaya Mrisho Kikwete assumed the position of Chair of GWPSA and the African Coordination Unit (GWPSA–ACU) on 29 November 2019. His Excellency was the fourth President of the United Republic of Tanzania from 2005–2015.

President Kikwete will lead GWPSA–ACU in the implementation of the organisation's new 2020–2025 strategy, launched by GWPSA's Executive Secretary, Alex Simalabwi, in November 2019.

During the official handover ceremony in Dar es Salaam, Tanzania, President Kikwete welcomed the mandate from the GWPSA partners and stressed the importance of developing and implementing water programmes to address the urgent challenges countries in Africa are facing.

“What we are facing now is a crisis and we must act immediately, otherwise there will be no water to govern. We only have to look at the low water levels in the Zambezi River, where the Kariba Dam is at below 10 per cent¹ of what is needed for power generation. These are the lowest levels since 1996 and the situation has already resulted in acute energy shortages and load-shedding across Zambia and Zimbabwe,” said President Kikwete.

“We see similar challenges in other places like Lake Chad and the Lesotho Highlands. The water levels in Lake Tanganyika are declining, in part due to inadequate flow regulation of water from the lake to the Congo River.”

He called for urgent, knowledge-informed action, emphasising the need for regional cooperation in the management of shared waters.

As GWPSA–ACU Chairman, His Excellency President Jakaya Mrisho Kikwete also serves as Chair of the Africa Water Investment Programme (AIP), which aims to transform and improve the investment outlook for water security and sustainable sanitation for a prosperous, peaceful, and equitable Africa.

The AIP aims to mobilise water investments towards the implementation of SDG 6 on water and sanitation in Africa by 2030. The programme is an outcome of the High Level Panel on Water, which was co-convened in 2016 by the UN Secretary-General and World Bank President. In February 2019, the African Ministers' Council on Water (AMCOW) adopted the AIP and requested GWP to mobilise partnerships for its implementation in collaboration with the African Development Bank (AfDB), the African Water Facility (AWF), AUDA–NEPAD and other partners.

¹<http://www.zambezi.org/hydrology/kariba-reservoir-data>

Profile of His Excellency President Jakaya Mrisho Kikwete

Born on 7 October 1951, President Kikwete is a graduate of Economics from the University of Dar es Salaam. He served in different party, military, and government positions before joining Tanzania's Cabinet in 1988. He has held several ministerial portfolios including Minister of Finance; Minister of Water, Energy, and Mineral Resources; and Minister of Foreign Affairs and International Cooperation.

During his ten-year tenure in the Ministry of Foreign Affairs, the longest in Tanzania's history, President Kikwete led the country's efforts to bring peace in the Great Lakes region, particularly in Burundi and the Democratic Republic of Congo. As Chair of the East African Community's Council of Ministers, he played a pivotal role in advancing the process of regional integration in East Africa, particularly the delicate negotiations of establishing a Customs Union between Tanzania, Kenya, and Uganda. Additionally, he signed and ratified the Common Market Protocol. He also co-chaired the Helsinki Process on Globalisation and Democracy alongside the Foreign Minister of Finland.

His Excellency was appointed as the fourth President of the United Republic of Tanzania in 2005. In 2007, he launched the country's Water Sector Development Programme 2006–2025, which aims to develop sound water resources management and development in all nine Tanzanian river basins, as well as to promote good governance of water resources in a sustainable manner throughout Tanzania.



His Excellency President Jakaya Kikwete with United States President Barack Obama during an arrival ceremony at Julius Nyerere International Airport in Dar es Salaam, Tanzania, July 1, 2013.

(Photo credit: Office of H.E. Jakaya Kikwete)



(Photo credit: Office of H.E. Jakaya Kikwete)

In 2007, President Kikwete was elected Chair of the SADC Organ for Politics, Defence, and Security, where he was involved in the search for peaceful solutions to political crises in Zimbabwe and Lesotho.

On 31 January 2008, President Kikwete was elected Chairman of the African Union (AU) Assembly of Heads of State and Government, where he took a proactive role in the resolution of conflicts in Kenya and the Democratic Republic of Congo. He also advanced the relations between the AU and the United Nations (UN), European Union (EU), and the international community at large.

He is currently a member of the UN Scaling Up Nutrition Lead Group, a global movement created to end malnutrition. He is also an executive member of the World Refugee Council, which was established to complement the efforts of the UN High Commissioner for Refugees in its mandate to save lives and protect the rights of refugees, forcibly displaced communities, and stateless people.

COMESA Secretary-General, Her Excellency Chileshe Kapwepwe joins GWPSA Board



Her Excellency Chileshe Kapwepwe
COMESA Secretary-General
(Photo credit: Office of H.E. Chileshe Kapwepwe)

On 5 November 2019, Her Excellency Ms Chileshe Kapwepwe, Secretary-General of the Common Market for Eastern and Southern Africa (COMESA), joined GWPSA as a member of the Board. Her Excellency Kapwepwe's extensive experience in international strategic planning and business development will bring new and valuable insights into the role of water in the regional economy. Her past assignments include Executive Director for the International Monetary Fund for the Africa Group One Constituency, based in Washington, DC. She also served as the Deputy Minister of Finance and National Planning in the Cabinet of Zambia.

A memorandum of understanding (MOU) was signed between COMESA and GWPSA in 2019. The MOU focuses on the development and implementation of joint programmes of action and related plans on water within the framework of the AIP and the COMESA Programme.

The agreement will facilitate joint regional outreach and partnership events at appropriate regional and continental forums, collaboration on project preparation, development and implementation of joint programmes of action and related plans on water within the framework of the AIP and COMESA, and joint resource mobilisation.

Her Excellency Chileshe Kapwepwe
launching a cassava production cluster
project in Zambia
(Photo credit: Office of H.E. Chileshe Kapwepwe)



The GWPSA Board also welcomed new member Ms Nchedi Maphokga-Moripe, who comes with a strong background in water diplomacy and has served as an advisor to the South African President, on the UN–World Bank High Level Panel on Water.

Ms Maphokga-Moripe brings new leadership and negotiation skills to GWPSA's Board. She currently serves as Chief Director: Global Cooperation and Strategic Partnerships in South Africa's Department of Water and Sanitation.



Ms Nchedi Maphokga-Moripe
Chief Director: Global Cooperation and Strategic Partnerships
in South Africa's Department of Water and Sanitation
(Photo credit: Office of Ms Nchedi Maphokga-Moripe)

Taking stock of the 2014–2019 strategy period

The following outcomes and lessons from GWPSA–ACU's work at a regional, basin, national, and continental level lay the foundation for the new 2020–2025 strategy. This included strengthening of GWPSA partnerships with SADC, the AU, river basin organisations (RBOs), AMCOW, AUDA–NEPAD, and other partners, recognition and support of the WEF Nexus Approach that makes meaningful links between water and other key development sectors, enhancement of learning for transboundary water management, regional networking for water utilities, building of awareness and governance response to climate change and integrated water resources management (IWRM), and increased capacity at country level in the form of strengthened CWPs.

A dynamic programme carried out in partnership with SADC to strengthen transboundary water management in southern Africa facilitated development of SADC's fourth regional strategic action plan (RSAP IV). To inform the RSAP process, GWPSA led stakeholder processes in 15 SADC member states, and carried out priority studies and work to harmonise national and regional water. Efforts were also made to increase ownership of the regional programme at national level, and to prioritise water security and climate resilience investments in national budgets. This process engaged youth as a priority national level stakeholder group, contributing to AMCOW's youth strategy at continent level.

Significant outcomes from implementing the SADC programmes included the development of a platform for cross-sectoral discussions through

the SADC Multi-Stakeholder Dialogues (2013–2019), which resulted in the uptake of the concept of the WEF Nexus Approach, its inclusion in RSAP IV, and development of a SADC WEF Nexus Dialogue Project funded by the EU.

Significant outcomes from implementing the SADC–EU WEF Nexus programme included marshalling of political will for embedding the WEF Nexus in the SADC governance structures, equal participation and alignment of governance frameworks against the WEF sectors in the SADC Secretariat and member states, uptake of the concept by transboundary water organisations, and development and recognition of a new screening and appraisal tool for identifying potential WEF Nexus projects.

The Global Water Partnership Southern Africa's programmatic support to SADC worked to ensure that stakeholders were engaged in regional transboundary water resources management processes through provision of a learning exchange for investments in RBOs, and development of guidelines to support implementation of the SADC Revised Protocol on Shared Watercourses. This included building capacity of RBOs in the Limpopo and Orange-Senqu basins to manage planning and response for climate-related disasters, strengthening institutional cooperation through the BUPUSA basins, and mainstreaming of gender in the Zambezi basin.

Global Water Partnership Southern Africa also reinforced the importance of gender issues in

regional water management through promoting understanding of the SADC Protocol on Gender and Development among member states up to the ministerial level, and through training in gender-responsive budgeting.

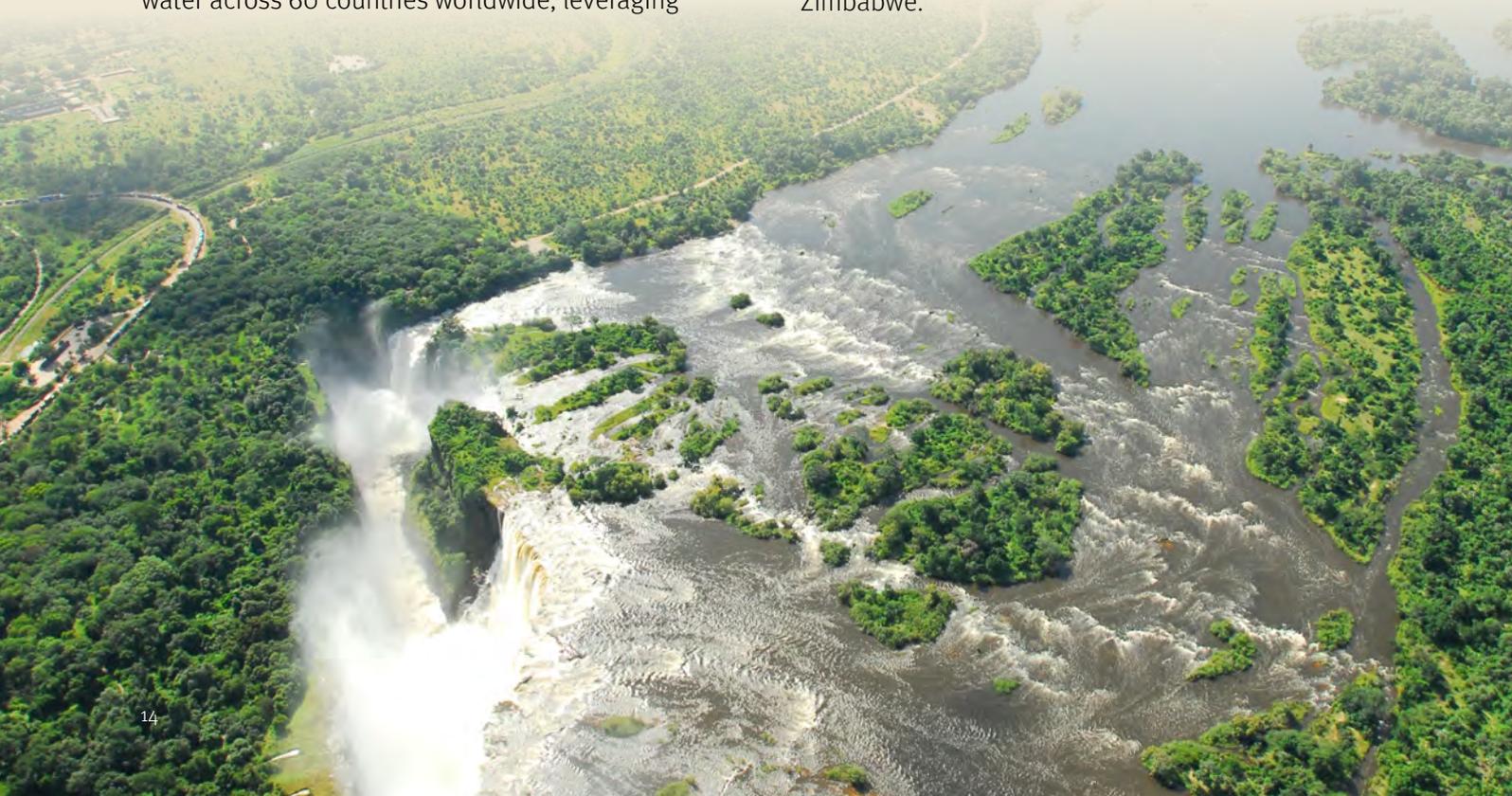
Recognising the value of collaboration and knowledge sharing among water utilities in the region, GWPSA supported work to explore the formation of the SADC Water Utilities Association.

The Water, Climate and Development Programme (WACDEP), first launched in Africa in 2010 and later expanded to include GWP work on other continents, aimed to integrate water security and climate resilience in development planning processes, and build climate resilience and support countries to adapt to a new climate regime through increased investments in water security. Over nine years, led by GWPSA Executive Secretary Alex Simalabwi as GWP's Global Head for Climate Resilience and supported by GWPO staff in Stockholm and the coordination unit in the GWPSA office, this GWP programme sponsored more than 130 projects, building significant capacity and transforming the policy landscape for water across 60 countries worldwide, leveraging

more than €1.2 billion in climate-resilient water-related investments.

Global Water Partnership regional water partnerships in Africa supported their regional economic communities and RBOs to develop strategies, policies, and investment frameworks for mainstreaming climate resilience into development, including, for example, Zimbabwe's National Climate Change Response Strategy, prioritising district-level water security and climate-resilient investment options in Ghana, and the inclusion of water in Burkina Faso's national adaptation planning process.

The Water, Climate and Development Programme also addressed the growing issue of integrated urban water management (IUWM), leading to an increase in awareness and capacity development in targeted cities in southern Africa. Funds were secured from the AfDB for feasibility studies that were reviewed with GWPSA and AfDB for implementation of IUWM projects, including the development of a master plan for IUWM in Kinshasa, preparation of the Seychelles Integrated-Comprehensive Sanitation Master Plan, and programmes for IUWM in Mozambique and Zimbabwe.



Goal 1: Catalysing change in policies and practice

Improving water governance

African Water Ministers endorse Africa-wide investment programme

In February 2019, AMCOW formally endorsed the AIP, which will guide GWPSA's African Coordination Unit over the next five years. The programme is aligned to both the goals of the AU Agenda 2063 and the SDGs.

The AIP responds to address bottlenecks in the delivery

of the water infrastructure needed to underpin economic growth and transformation in Africa. The AIP is implemented through three interrelated programmes with a high-level water investments panel addressing one of the three strategic objectives. It is implemented through three integrated support programmes shown in the table below.

The AIP was developed by GWP in collaboration with the AU, AfDB, AWF, and AMCOW.

AIP Support Programme	Strategic Objective
AIP High-level International Panel for Climate Resilience Water Investments in Africa	
1. AIP SDG Water Investments	Integration of SDG 6 on water and sanitation into planning, decision-making and institutional development of new and ongoing water-related investments in health, energy and food.
2. AIP WACDEP G	Achieving gender equality in planning and developing climate-resilient water investments.
3. AIP Transboundary Investments	Accelerating project preparation, finance and implementation of transboundary water investments

Collaboration strengthens ORASECOM's IWRM investment strategy

In January 2019, GWPSA and ORASECOM, in collaboration with GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), established a stakeholder forum for inclusive participation in the Orange-Senqu Climate Resilient Water Resources Investment Plan and Strategy. An inception workshop was held in Lesotho – the mountain source of the waters feeding into South Africa, Botswana, and Namibia.

This engagement with government departments, agencies, the private sector, civil society organisations, and non-governmental organisations enabled a rapid assessment of country-level capacity development requirements to support the climate-sensitive implementation plan and strategy. The process also led

to the commissioning of a report focused on the mainstreaming of gender in the work.

Mozambique and Zimbabwe increase cooperation in the Buzi Watercourse

The governments of Mozambique and Zimbabwe signed an Agreement on Co-operation on the Development, Management and Sustainable Utilisation

“The Buzi River is more of a resource than a basin, with the potential of irrigating 45 000 hectares of land and producing 94 megawatts of electricity. The agreement is a testimony of the brotherhood and solidarity between Mozambique and Zimbabwe, and the two governments' commitment towards regional integration, cooperation, peace promotion and social welfare of the people of the two countries.”

Honourable João Osvaldo Moisés Machatine, Minister of Public Works, Housing and Water Resources of the Republic of Mozambique

of the Water Resources of the Buzi Watercourse on 29 July 2019, in Mutare, Zimbabwe. The agreement will promote cooperation between the two countries, as stipulated by the Buzi Flood and Drought Monitoring Strategy.

The Buzi Watercourse, together with the Pungwe and Save river basins, is shared exclusively by Mozambique and Zimbabwe. The three basins share similar challenges, among them frequent and extreme climatic events such as floods and droughts, water quality degradation from gold panning, and increasing siltation caused by unsustainable land management practices.

Equitable and reasonable utilisation of the river basin, as well as the protection, preservation, and conservation of the environment around the Buzi river basin, is driven by water resources development and



The Mozambican Minister of Public Works, Housing and Water Resources, Honourable João Osvaldo Moisés Machatine (second from right), signing the Buzi Water Sharing Agreement with Zimbabwe's Minister for Lands, Agriculture, Water, Climate and Rural Resettlement, Honourable Perrance Shiri

management projects, which require the two countries to cooperate as stipulated in the SADC Revised Protocol on Shared Watercourses.

This is the second transboundary agreement that the governments of Mozambique and Zimbabwe have signed, following the Pungwe Basin Bilateral Agreement in 2016.

Buzi River Basin Mozambique Delta

(Photo credit: Shutterstock/Toby Grayson)



The signing of the agreement is one of the key deliverables of the BUPUSA Tri-basin Project funded by the German Government (BMZ) and the UK Government (UKAID), whose objective is to support a bridging phase that strengthens cooperation and institution building.

As SADC Secretariat's implementing partner, GWPSA was mandated to support implementation of the project as part of the SADC Transboundary Water Management Programme. Additional components of the project have been supported by the Climate Resilient Infrastructure Development Facility (CRIDF) and the United States Agency for International Development's (USAID) Resilient Waters Program.



Analysing groundwater management opportunities and options

In the face of climate change, there is broad consensus that groundwater is now of major importance for domestic supply to the growing southern African population – for irrigation of both staple and cash crops, as well as for industrial production.

It is for this reason that groundwater governance was a headline topic at the second SADC Groundwater Conference, which was convened by the SADC Groundwater Management Institute and supported by GWPSA and partners during September 2019 in Johannesburg, South Africa.

Global Water Partnership Southern Africa presented the keynote address, Perspectives, Challenges and Opportunities in Groundwater Policy, Governance and Management, underscoring GWPSA's contribution to sustainable transboundary aquifer management.

Participants committed to further active engagement on the following:

- the need to include urban requirements in catchment management approaches
- defining the climate change tipping point for safe yield
- the use of modelling to manage aquifer recharge

- the importance of further investment in transboundary cooperation
- highlighting groundwater management's role in supporting achievement of the SDGs

Enhancing climate resilience

Sharing WACDEP's lessons for water planners

Global Water Partnership Southern Africa shared WACDEP's programme experience in building water planners' capacity to deal with climate change at the Partners' Coordination Conference on Water and Sanitation Programme in Africa, which was hosted in Addis Ababa, Ethiopia by the AU and AMCOW in October 2019.

At the same meeting, GWPSA contributed to the formation of the Partners' Coordination Platform. This platform will provide a consultative space for coordinating water, sanitation, and hygiene interventions among partners, as well as supporting the formulation, implementation, and monitoring of engagement plans among mandated institutions such as the African Union Commission, AMCOW, AUDA, regional economic communities, and RBOs), as well as their technical, funding, and implementing partners. Global Water Partnership will participate in the Partners' Coordination Platform working groups.

Towards a SADC Green Climate Fund regional hydrometeorological monitoring

In response to the increasing risks posed by climate change and variability, SADC has developed and implemented regional hydrometeorological monitoring programmes. One of the most significant of these is the SADC Hydrological Cycle Observing System (SADC–HYCOS), which is a regional component of the World Meteorological Organization's (WMO) World Hydrological Cycle Observing System programme.

At the request of SADC, GWPSA will develop a GCF proposal for strengthening SADC–HYCOS. Work commenced in collaboration with WMO, the Development Bank of Southern Africa, and national GCF and hydrological focal points in the SADC region.

Members of the SADC Subcommittee on Hydrogeology, GCF national designated authorities within the southern African region, GCF direct access entities within the southern African region, resource persons from the SADC Secretariat, and others, have reviewed and updated the draft SADC–HYCOS IV concept note for a proposed GCF project.

A project proposal to access a grant from the Project Preparation Facility of the GCF Secretariat is now under development in collaboration with GWPSA, the Development Bank of Southern Africa, WMO and SADC.

Integrating water and agriculture into Uganda's national adaptation planning

Agricultural, forestry, and fishery sectors around the world have been identified as most vulnerable to the effects of climate change. The National Workshop on Lessons Learnt from the Integrating Agriculture in National Adaptation Plans (NAP-Ag), held in mid-June 2019 in Entebbe, Uganda, was organised by the United Nations Development Programme (UNDP) and the Food and Agriculture Organization of the United Nations (FAO), and supported by GWPSA to address this critical issue.

NAP-Ag is UNDP and FAO's Integrating Agriculture in National Adaptation Plans programme. Uganda's NAP-Ag is part of the overall Uganda National Adaptation Planning process.

Global Water Partnership Southern Africa facilitated the integration of water and alignment of coordination, monitoring, reporting, and evaluation systems of sectoral National Adaptation Planning with the overall National Adaptation Planning. Similar support is also being provided to Kenya, Cape Verde, and Burkina Faso.

Preparing transformational climate-resilient water project concepts in Latin America and the Caribbean for the GCF

In order to access support from the GCF for climate-resilient water projects, countries need to present projects designed for impact, reflected through prioritised project ideas, clear climate rationale, compelling concept notes, and comprehensive funding proposals.

In September 2019, in Central America, Panama, GWPSA supported other GWP regions in collaborating with the Inter-American Development Bank and the Caribbean Community Climate Change Centre to convene the Technical Workshop on Project Preparation for Transformational Climate Resilient Water Project Concepts in Latin America and the Caribbean for the GCF.

The GWPSA Executive Secretary moderated and facilitated sessions at the technical workshop designed to respond to countries' needs for support to strengthen the capacity of national designated authorities, direct access entities, and water ministries and agencies, to prepare climate-resilient water projects that meet GCF investment criteria. National designated authorities, direct access entities, water professionals, and decision-makers worked on 36 country-prioritised water project ideas to sharpen their climate rationale and paradigm shift potential.

Water Resilience Frontiers launches at COP25

Global Water Partnership Southern Africa and partners raised the profile of water's relationship with climate change at the 25th UN Climate Change Conference (COP25), held in Madrid, Spain in December 2019, with the launch of GWP's Water Resilience Frontiers: Pathways for Transformational Climate Resilient Water Security in 2030 and Beyond programme.



The Resilience Lab at COP25 hosted discussions that challenged participants perceptions of the future (Photo credit: Resilience Frontiers)

challenges and opportunities in African water resources infrastructure development.

Global Water Partnership Southern Africa, represented by the then Chair, Dr Kuiri Tjipangandjara, led a session on water security, climate change and infrastructure development, focused on the SADC region. Global Water Partnership Southern Africa noted the need to develop climate-resilient infrastructure, emphasising the water sector as an economic anchor.

Water Resilience Frontiers is a new collaboration with the United Nations Framework Convention on Climate Change and other partners intended to create plausible water solutions for a climate-resilient future, while incorporating youth action. Harnessing the potential of disruptive frontier technologies and emerging social trends towards sustainability will be a focus of much of GWP's global work over the medium term.

The programme is part of Resilience Frontiers, an interagency initiative of the Nairobi Work Programme joint-action pledge under the United Nations Framework Convention on Climate Change Secretariat, in collaboration with GWP, Canada's International Development Research Centre (IDRC), EIT Climate-KIC, FAO, the United Nations Educational, Scientific and Cultural Organization, the United Nations Environment Programme, and the United Nations Office for Outer Space Affairs.

Achieving water security through climate-resilient infrastructure

Climate-resilient infrastructure, including sustainable water supply and control systems, will be essential for liveable African cities in the future. The Africa 2019 conference, held in April 2019 in Windhoek, Namibia, co-hosted by Aqua-Media International and the International Commission on Large Dams, addressed

Facilitating transboundary cooperation

Supporting AUDA-NEPAD with the PIDA Water Action Plan

A review commissioned in 2017 by the NEPAD Agency and AMCOW, with support from GIZ, revealed that PIDA's water projects showed little progress compared with those in other focus areas. Factors contributing to the lack of progress included inadequate information about project conditions such as current project status and implementation blockages. The AUDA-NEPAD PIDA Water Programme 2019–2024, which will be implemented by GWPSA, will attempt to address this gap within the project preparation and finance framework of the AIP.

Support provided by GWPSA will include project preparation, transaction management, resource mobilisation, advocacy, capacity development, research, and knowledge sharing in the joint implementation of transboundary water projects through a WEF Nexus Approach.

Work commenced with a PIDA Water Programme Stakeholders' Workshop in Lusaka, Zambia in late April 2019, where all PIDA Priority Action Plan transboundary water and energy projects promoters and coordinating entities were given the opportunity to present the

status of their respective PIDA water projects, and agree on recommendations on how programme support could accelerate implementation of the work.

Building capacity in transboundary water law

Transboundary water resources constitute nearly 80 percent of Africa's freshwater resources, and cooperation for their management is therefore critical for sustainable development. An understanding of international law is key to promoting transboundary water cooperation.

In November 2019, GWPSA and partners facilitated Pan-Africa Training on International Water Law and Water Governance – Improved Transboundary Water Investment in Africa in Kampala, Uganda. The regional training, targeted at transboundary water practitioners from African countries, strengthened the capacities of institutions, ministries, and basin organisations to manage transboundary water resources. Specific focus was levelled at transboundary water investments and the role of groundwater in integrated water resources management.

Rolling out local-level watershed development in Lesotho

The Lesotho Government is implementing a programme for catchment rehabilitation to counter land degradation and increasing water stress through the

National Framework for Integrated Catchment Management (ICM) and supported by the EU and Germany. At the heart of the programme is a decentralised approach for watershed development.

The Global Water Partnership Southern Africa presented its IWRM experience from the region, including its work with 34 partners in Lesotho, at a workshop on community-based watershed development organised by GIZ to design the roll-out of the programme. GWPSA is supporting effective regional and transboundary linkages for ICM in Lesotho and the SADC region.

The Lesotho ICM programme is funded by the EU and the German Government (BMZ), and implemented by GIZ.

Lessons from the Okavango: promoting transboundary water management practices that benefit people and ecosystems

The Cubango-Okavango River Basin rises in Angola, flows past Namibia and terminates in the arid Kalahari sands of Botswana. Developments within the Cubango-Okavango River Basin have the potential to affect dependent livelihoods in all three countries.

During Stockholm World Water Week in August 2019, GWPSA collaborated with the USAID Resilient Waters Program, the Permanent Okavango River Basin Water Commission, and the Stockholm International Water



Institute to convene a session on promoting transboundary water management practices that benefit people and ecosystems. Using a case study from the ecologically rich and sensitive southern African basin, the session brought together international transboundary organisations, practitioners, and policy-makers to discuss the understanding of the 'development space' concept in transboundary water cooperation.

The session was supported by the Resilient Waters Program funded by the USAID, GWPSA, and the Stockholm International Water Institute (SIWI Africa Regional Office).

Achieving transboundary governance and bilateral partnership in the Lesotho Highlands Water Project (LHWP) Phase II

Initiated in 1986, the LHWP provides freshwater and electricity to the region through harnessing the waters of the Senqu/Orange River. By addressing water distribution and electricity production, the LHWP fully embodies the spirit of the WEF Nexus.

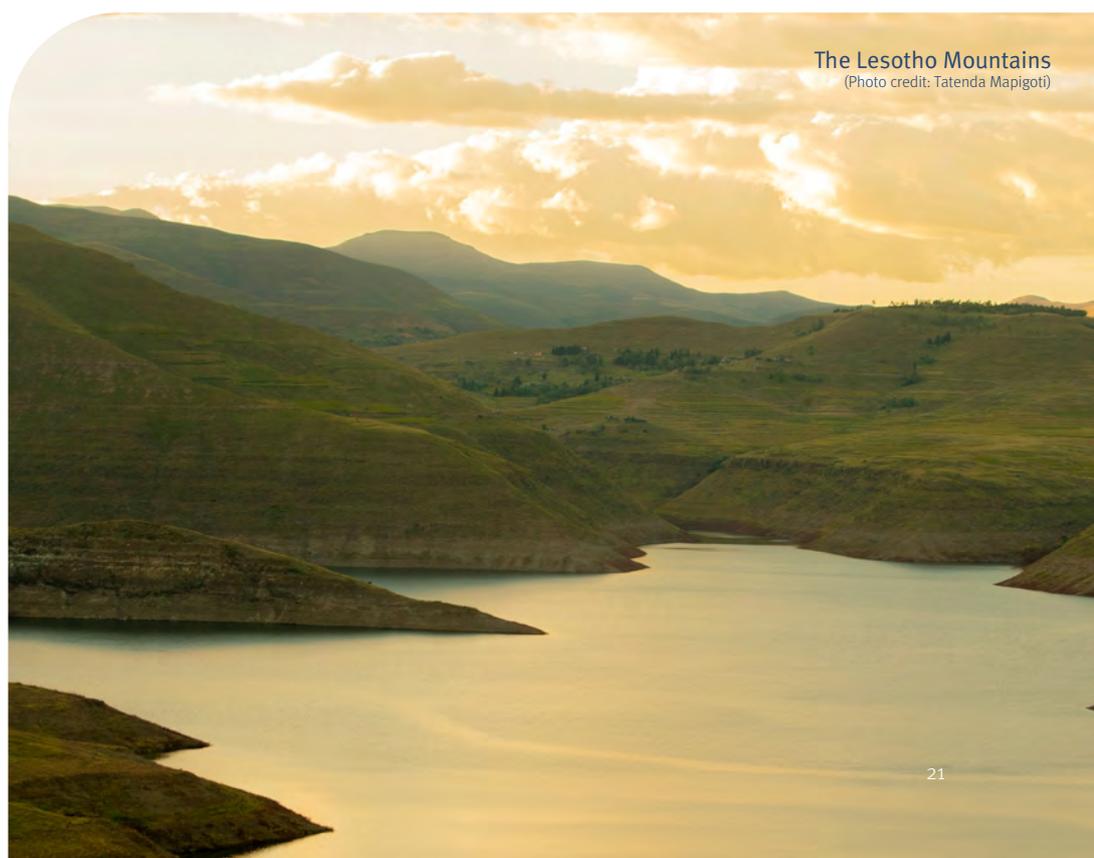
In November 2019, GWPSA collaborated with AUDA-NEPAD to convene a session, Learning from the Lesotho Highlands Water Project (LHWP) Phase II – Water Transfer and Hydropower, at PIDA Week in Cairo, Egypt, sharing best practices in transboundary water and hydropower infrastructure investment through this case study of transboundary governance, bilateral partnership, and application of the principles of the Nexus. Lessons shared in the session showed how the LHWP was enhancing the economic development of Lesotho and South Africa, and helping the two countries to meet their requirements in water and electricity, and other

economic benefits such as a growing market, more employment opportunities, capacity building, and skills development.

Developing a common agenda for transboundary freshwater resources conservation

Nature conservation enhances food and water security, helps tackle climate change, and contributes significantly to securing human rights and world peace. If we don't reverse the loss of nature, we will undermine any prospect of achieving the SDGs by 2030. This was the message shared at the Regional Conservation Forum, Securing a Future for Nature in Africa, convened by the International Union for Conservation of Nature Eastern and Southern Africa Region Office in July 2019 in Johannesburg, South Africa.

The goal of the forum was to consolidate a common agenda to position and safeguard the region's long-term conservation interests while delivering results for both people and nature. The event was attended by government, donors, the private sector, and non-governmental organisations. GWPSA shared its experience with integrated management and governance of transboundary freshwater resources in eastern and southern Africa.



Recommendations emerging from the forum will be presented at the World Conservation Congress in 2020.

Addressing integrated water, energy and food security

SADC member states validate the WEF Nexus Regional Framework

The WEF Nexus Approach aims at filling the gaps created by lack of integrated planning, allocation and management of key resources among the water, energy, and food sectors. A regional application of the WEF Nexus Approach was adopted for the SADC region, following a meeting of all three sectors: water, energy, and agriculture.

The Global Water Partnership Southern Africa supported the SADC Secretariat in convening the meeting, which was hosted by the South African Department of Water and Sanitation in September 2019.

“A shift towards the WEF Nexus Approach considers the interactions between water, food and energy, while taking into account the synergies and trade-offs that arise from the management of these three resources.

It has great potential to fill the gaps created by lack of integrated planning, allocation and management of key resources among the water, energy and food sectors, which are induced by poor communication within the three sectors.”

Mr Moses Ntlamelle, Senior Programme Officer, Energy Division,
SADC Directorate of Infrastructure

The WEF Nexus Regional Framework and identification of WEF Nexus investment projects are milestones achieved in the first phase of the SADC Nexus Dialogue Project, Fostering Water, Energy and Food Security Nexus Dialogue and Multi-Sector Investment in the SADC Region.

The validated framework will be presented for approval and adoption by the Ministers responsible for Water, Energy and Food Security. The framework will provide guidance for coordinating the three sectors at ministerial and regional technical levels, and among regional implementing entities and other partners. It

will also be used to strengthen regional multi-stakeholder dialogues.

The SADC Nexus Dialogue Project is financially supported by the European Commission as part of the Global Nexus Dialogues Programme, implemented in the southern African region by GWPSA on behalf of the SADC Secretariat.

It forms part of a larger Nexus Dialogues Programme that targets five regions: SADC, Niger Basin, Latin America, Central Asia, and the Mediterranean. The project goal is to support the transformation required to meet increasing water, energy, and food security demands in a context of climate change in the SADC region.

The project also supported SADC to develop a WEF Nexus Investment Project Screening Tool.

The SADC WEF Nexus Investment Project Screening Tool introduced to key partners

The SADC WEF Nexus Investment Project Screening Tool will assist its users to identify interlinkages, synergies, and trade-offs between WEF security objectives, and guide project preparations to meet WEF Nexus objectives.

The tool was developed consultatively by considering the different WEF Nexus parameters relevant to SADC, with inputs from the SADC regional technical committees of water, energy, and agriculture, as well as technical experts.

The SADC WEF Investment Nexus Project Screening Tool was introduced to the SADC member states and other

“Based on the evaluation carried out by the EU, the SADC region recorded the highest progress in terms of project implementation.

Key to this progress is the good partnership between the EU, SADC Secretariat, GWPSA, and other partners.”

Ms Mercedes Marin Nortes,
Delegation of the EU to Botswana and SADC

partners during the SADC WEF Nexus Workshop in Johannesburg, South Africa from 17–18 September 2019.

Towards a WEF Nexus Approach for enhancing sustainable development in Africa

The WEF Nexus Approach in Africa has the potential to unlock economic growth and transformation on the continent, through facilitating synergies between the water, food, and energy sectors. PIDA provides an opportunity to mainstream the WEF Nexus thinking in Africa's development priorities.

In late November 2019, GWPSA collaborated with AUDA–NEPAD to prepare a platform for participants to share best practices in transboundary water and hydropower infrastructure investment during the PIDA Week held in Cairo, Egypt. During the session, SADC shared its experience in developing the regional WEF Nexus framework, and discussions produced recommendations for developing a WEF Nexus framework for the whole of Africa.

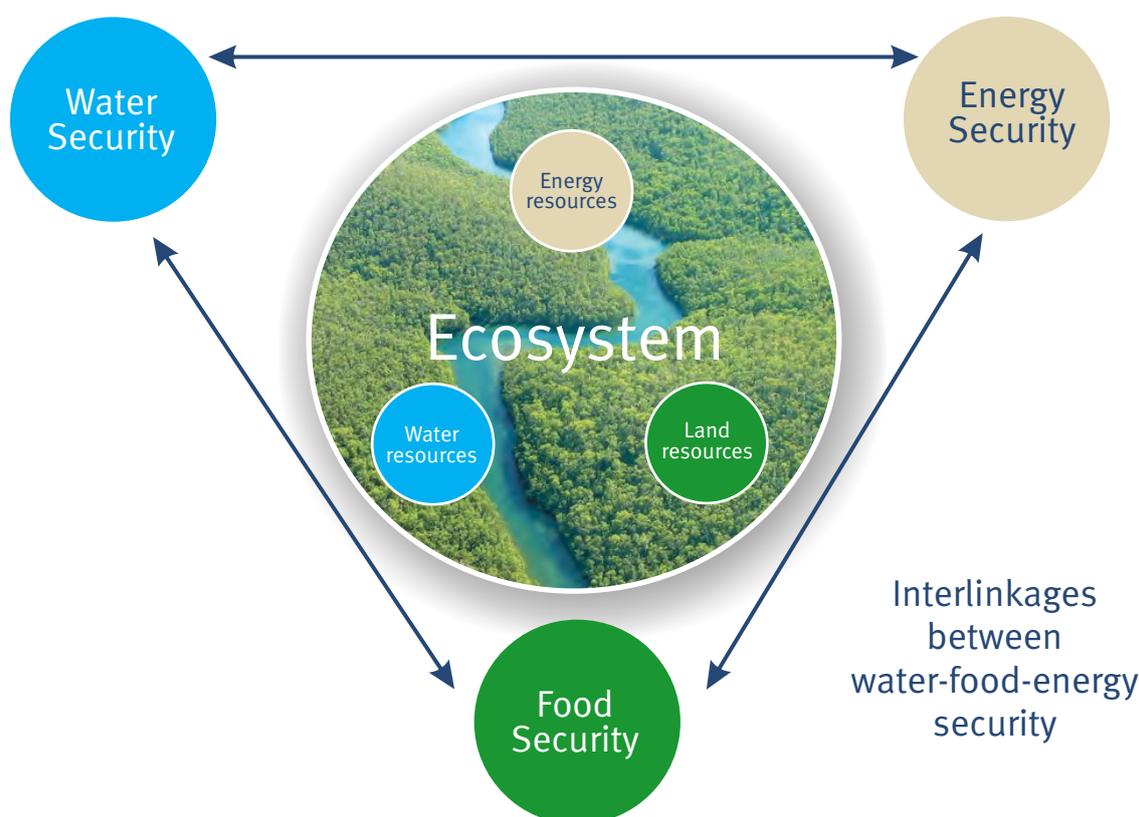
Supporting the Nexus through regional research

The WaterNet/WARFSA/GWPSA Symposia have been held annually in the eastern and southern African region for the past 20 years to promote interaction among policy-makers, academics, practitioners from water and related sectors, and cooperating partners. Collectively these stakeholders identify regional issues, gaps, and priorities that require further research and support, with great emphasis being placed on integration of knowledge.

The 20th symposium was held in October 2019, with the following theme: **Integrated Water Resources Development and Management: Leaving No One Behind for Water Security in Eastern and Southern Africa.**

Global Water Partnership Southern Africa convened a special session on WEF Nexus Policy Dialogue, which produced recommendations for what should be the focus of research on WEF Nexus, and on how to document Nexus-related initiatives to facilitate regional learning.

SADC WEF Nexus Conceptual Framework



Goal 2: Generating and communicating knowledge

Global Water Partnership Southern Africa contributed to global climate change publications, drawing on its work from the global WACDEP.

The Untold Story of Water



The Untold Story of Water in Climate Adaptation Part II: 15 Countries Speak followed GWP's 2018 analysis of 80 countries' nationally determined contributions, which revealed that nine out of every ten countries prioritise action on water for adaptation in their nationally determined contributions.

The new report assesses the extent to which climate change and SDG agendas have harnessed water resources management for climate-resilient sustainable development.

The analysis is based on the premise that sustainable development, climate resilience, and water security are interdependent: water security is essential to address climate change impacts and advance sustainable development.

The report offers detailed recommendations for four key stakeholder groups:

1. national policy-makers
2. national non-state actors such as civil society and business
3. development partners, including bilateral donors, multilateral institutions and the climate funds
4. transboundary and regional organisations.



Mobilising Change Makers: The Water, Climate and Development Programme

Mobilising Change Makers: The Water, Climate and Development Programme is ten countries' application of GWP's long-running WACDEP.

The stories reveal the benefits of GWP's approach to networking, cultivation of understanding of government policy processes, and the complementary roles of grassroots and scientific knowledge in bringing about transformational change.

The publication was introduced at the UN General Assembly Climate Action Summit in New York in September 2019, unveiled to GWPSA partners at the Regional Consulting Partners' meeting in November 2019, and shared widely at the COP25 in December 2019.



THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF WATER



BENEFITS AND CHALLENGES OF TRANSBOUNDARY WATER COOPERATION FOR TANZANIA (2008/2009 – 2018/2019)

*Water Resources Division,
May 2019
Dodoma*



Benefits and Challenges of Transboundary Water Cooperation for Tanzania

Because Tanzania shares more than 77 percent of its river and lake basins with neighbouring countries, transboundary water cooperation is key to the country's management of water resources. The Ministry of Water Tanzania and the Tanzania Water Partnership jointly produced Benefits and Challenges of Transboundary Water Cooperation for Tanzania (2008/2009–2018/2019).

The report covers availability, use, quality, and governance of these resources, and provides, through selected case studies, lessons about the conditions needed to negotiate and implement agreements for their effective management.

The report also highlights transboundary projects in Tanzania, as well as the country's participation in bilateral, regional, and international transboundary water resource management forums. The report was officially launched by the Minister of Water during the national Basin Water Boards AGM held on 7 July 2019 in Kigoma.

Goal 3: Strengthening partnerships

This goal focuses on enhancing the viability and effectiveness of GWP's network by strengthening partnerships and partner organisations to catalyse change, enhance learning, and improve financial sustainability.

GWPSA partners call for strategic investments in water security

Global Water Partnership Southern Africa partners from Botswana, Namibia, Tanzania, Zambia, and South Africa joined the 2019 Annual Online GWP Global Network Meeting on 25 June 2019, sharing their plans for work that supports the organisation's three work streams: investments in SDGs, transboundary cooperation, and climate resilience.

Themes that emerged from the meeting included:

- the importance of influencing mindsets across the boundaries of social status and structures, in order to instil responsible water usage and habits
- GWP programmes' need for high-level political support
- the need to engage the private sector
- the need to include vulnerable groups, such as women and youth, in water projects
- the growing importance of groundwater

Linking water investments to development priorities in southern Africa

At the beginning of November 2019, GWPSA held the 13th Consulting Partners meeting in Pretoria, South Africa, in collaboration with the SADC Regional Fund for Water Infrastructure and Basic Sanitation, under the theme Mobilising Investments for a Water Secure Southern African Region.

The new GWP Strategy 2020–2025, Mobilising for a Water Secure World, was introduced to all 12 southern African country partners in attendance and country-specific responses were discussed.

The annual Consulting Partners meeting renewed its leadership, electing a new board Chair, His Excellency Dr Jakaya Mrisho Kikwete, former President of Tanzania, and two new Board members:

- Her Excellency Chileshe Kapwepwe, Secretary-General of the Common Market for East and Southern Africa.
- Ms Nchedi Sophia Maphokga-Moripe, Chief Director, Global Cooperation and Strategic Partnerships, Department of Water and Sanitation for the Republic of South Africa.

Constitutional changes confirmed were to include a minimum of three women and three men, and one youth representative as an observer, as part of the GWPSA Board.

Strengthening of Country Water Partnerships in Southern Africa

The Global Water Partnership Southern Africa continues to strengthen CWPs, with the goal of their eventual accreditation to GWPO. The Namibia Water Partnership and the Malawi Water Partnership have made considerable progress. The eSwatini Water Partnership, Lesotho Water Partnership, and the Mozambique Water Partnership are in their early stages of preparation for accreditation.

Botswana Water Partnership accreditation with GWPO

The Global Water Partnership Botswana was accredited to the GWP in June 2019, thanks to the cooperation of the country's partners and the facilitation of GWPSA–ACU. It is the second southern African country, after Tanzania, to attain GWPO accreditation.

The Global Water Partnership Botswana is responsible for coordinating and leading GWP activities in the country, including implementation of the AIP. It has also taken steps to re-establish the Youth Water Action Team, with the support of the Association of Environmental Clubs of Botswana and tertiary environmental clubs.

Following its accreditation, GWP Botswana, with the support of the World Bank through the International Finance Corporation and guided by the Botswana Water Master Plan, has begun implementation of a public-private partnership as a way of mobilising private sector funding for the Water Utilities Corporation.

Zambia Water Partnership moves towards GWPO accreditation

Zambia's Country Water Partnership Annual Meeting, held on 19 September 2019 in Lusaka, focused on the implementation of the Zambia AIP work plan.

Participation was drawn from the water, energy, food security, academia sectors, media houses, and youth. The meeting elected a new Executive Committee led by the Chair, Eng. Kelvin Chitumbo, who is also the CEO of the National Water Supply and Sanitation Council. The meeting adopted the revised Zambia Water Partnership Constitution and reiterated its intention to apply for accreditation to GWPO. An application for the Zambia Water Partnership accreditation has since been lodged with GWPO.

Zimbabwe Water Partnership Annual General Meeting

The Zimbabwe Water Partnership held its annual general meeting on 11 October 2019 in Harare. The main objectives of the meeting were to prepare documents and statutes for the CWP's accreditation to GWPO, to review the status of the ongoing CWP

activities, to conduct fresh elections for the Executive Committee, and to adopt the revised GWP Zimbabwe Constitution and annual work plan. The meeting elected Mr Zvikomborero Manyangadze as the Chair of the partnership. The Zimbabwe Water Partnership has since lodged an application for accreditation to GWPO.

A multi-stakeholder platform for Namibia

Namibia's response to the AIP was at the heart of discussions when, in July 2019, the Namibia Country Water Partnership held a Consulting Partners Meeting in Windhoek. The meeting also provided an opportunity for discussing the steps required for Namibia's CWP accreditation with the GWPO.

Towards reviving the South Africa CWP

In October 2019 GWPSA supported the South African Department of Water and Sanitation and National Planning Commission in convening a WEF Nexus Policy dialogue for a wide range of South African stakeholders.

Global Water Partnership Southern Africa highlighted the WEF Nexus Approach building up on the SADC EU WEF Nexus project. The meeting agreed that functions of a WEF Nexus Community of Practice platform would include empowering local communities, strengthening integrated research efforts, and complementing state efforts as a credible partner in the collective implementation of the WEF framework.



GWP Tanzania extends its influence

Global Water Partnership Tanzania continues to forge new partnerships, as well as strengthen existing ones, through capacity building, knowledge management, research, as well as developing and implementing joint projects.

University links extend the impact of water research

In 2019, three new Memoranda of Understanding were signed: with the University of Dar es Salaam, the University of Leeds (water@leeds), and the Bremen Overseas Research and Development Association (BORDA). The MOUs will facilitate collaboration, capacity building, research, establishment of new programmes, exchange of information and publications, and joint efforts in project development.

Informal collaboration between GWP Tanzania and the University of Dar es Salaam began in 2004, when members of the faculty acted as advisors to the partnership. Collaboration continued following GWP Tanzania's non-governmental organisation registration, with the ongoing IDRC-funded Building Capacity in Water Engineering for Addressing Sustainable Development Goals in East Africa project, which focuses on strengthening capacity and gender parity of water engineers. The MOU now provides for a wider spectrum

of engagement and an impetus to develop even more joint projects.

The University of Leeds' water@leeds is one of the largest interdisciplinary water research institutes in the world. The MOU will add more vigour to ongoing collaborative efforts between the two institutions, where more than five joint project proposals were developed and submitted between May and November 2019. One proposal has managed to secure internal seed funds within water@leeds for supporting staff exchange visits between the two institutions that should facilitate the development of more projects. GWP Tanzania Executive Director Dr Victor Kongo was among the panellists at the water@leeds 10th anniversary celebration in September 2019, discussing the future of water.

Maji Week Scientific Conference

Global Water Partnership Tanzania's MOU with the Ministry of Water dates back to 2016 and has encompassed the development of a framework for the private sector's participation in water management (2018), as well as in the convening of AMCOW Africa Water Week (2016) and Nile Day (2017). During 2019, the Ministry of Water asked GWP Tanzania to lead in convening a national scientific conference.

The inaugural Maji (meaning water in Swahili) Week Scientific Conference was held from 18–19 March 2019 in Dodoma, and will take place annually during Water Week going forward. Maji Week is a platform for sharing new knowledge, insights, and experience for water research from Tanzania or elsewhere, and will provide a national platform where research can be shared for local adoption.

City of Dar es Salaam, Tanzania
(Photo credit: K15 Photos)



The Maji Week Scientific Conference is a flagship event for the Ministry of Water where the Triple Helix Concept on knowledge sharing, learning, and interaction among policy-makers, researchers, and practitioners in the water sector is fully realised.

During the Board's annual general meeting, the Ministry of Water honoured GWP Tanzania with a certificate of appreciation for its continued support and collaboration in the water sector.

Strengthening water engineers in East Africa

Global Water Partnership Tanzania continues to implement a three-year IDRC-funded Building Capacity in Water Engineering for Addressing Sustainable Development Goals in East Africa. The other implementing partners are the University of Dar es Salaam's Department of Water Resources Engineering, Makerere University's Department of Civil Engineering and Environment, and Moi University's Department of Civil and Structural Engineering.

The project is strengthening the capacity of East African water engineers by enhancing their competency and employability, and focusing on gender parity in the profession. In 2019, a three-day project workshop trained interns on problem-based learning approaches for the water sector.

Global Water Partnership Tanzania elected as member of the UNESCO–IHP Executive Committee

Global Water Partnership Tanzania was elected by the Ministry of Water to the Executive Committee of the national UNESCO–IHP. The committee's core function is to advise the government on research and its



Maji Annual Scientific Conference March 2019 Tanzania

implications for capacity development in water education and research at national, regional, and global levels. The committee also acts as a coordinating body, working closely with partners at national, regional, and international levels.

Since 2017, GWP Tanzania has been at the forefront of resuscitating the IHP National Committee, resulting in a renewed mandate and jurisdiction under UNESCO–IHP protocols.

Lessons from the SDG Lab Future Earth Project shared at the XVII International Triple Helix Conference

During 2018/2019, GWP Tanzania successfully developed and submitted a proposal on implementing a Future Earth SDG Lab in Tanzania called Mobilising Public, Private & Civil Society Action in Managing Water Resources in Great Ruaha sub-basin – Rufiji Basin.

In September 2019, the CWP shared outcomes and lessons from the project at the XVII International Triple Helix Conference. One of these lessons was that knowledge management and awareness platforms have the capacity to influence processes, leading to desired changes, including adoption and or adaptation of efficient and cost effective interventions.

Partners in action

Orange- Senqu Climate Resilient Water Resources Investment Plan and Strategy Workshop - January 2019, Maseru, Lesotho



The fourth Africa Climate Resilience Investment Summit - March 2019, Johannesburg, South Africa



9th SADC Dialogue - March 2019, Johannesburg, South Africa



Africa 2019 Conference - April 2019, Windhoek, Namibia



PIDA Water Programme Stakeholder's Workshop - May 2019, Lusaka, Zambia



Launch of the Benefits of Transboundary Water Cooperation Report - July 2019, Tanzania



BUPUSA Signing Ceremony - July 2019, Mutare, Zimbabwe



2nd SADC-GMI Annual Groundwater Conference - September 2019, Johannesburg, South Africa



GWPSA - ACU Handover Meeting with His Excellency Jakaya Mrisho Kikwete - November 2019, Dar es Salaam, Tanzania



13th GWPSA Consulting Partners Meeting - November 2019, Pretoria, South Africa



25th United Nations Climate Change Conference - December 2019, Madrid, Spain (Under the Presidency of the Chilean Government)



Youth engagement in water management and development



Regional Coordinator of Africa Youth Clubs, Shamil Agosi, and GWPSA Youth, Innovation, Jobs and Industrialisation Coordinator, Paseka Lesolang, at the 13th GWPSA Consulting Partners Meeting in 2019 held in Pretoria.

Close to 50 percent of the population in many SADC countries is made up of young people; they also make up the largest group of the unemployed. Global Water Partnership's 2020–2025 strategy recognises youth as both agents of change and rights holders, and leverages their creativity and innovation, their energy, and their ability to raise awareness and change behaviour through joint learning, mobilisation of their peers, and networking.

Southern Africa Youth WEF Innovation Network launches

The Southern Africa Youth WEF Innovation Network (SAYWIN) was launched at the 9th SADC Multi-Stakeholder Dialogue held in Johannesburg in March 2019. The Southern African Development

Community and member states were urged to develop youth skills programmes, including mentorship and coaching, to support implementation of the WEF Nexus Approach.

The network will promote WEF and youth empowerment as key elements of sustainable development, and accelerate the preparation, financing, and implementation of inclusive growth and human security in the SADC region.

The 9th SADC Multi-Stakeholder Dialogue was funded by the SADC Transboundary Water Programme implemented by GIZ and funded by the German and British Governments, and the EU-supported SADC WEF Nexus Dialogue Project, which builds up from the 2013 Dialogue on Nexus Approaches.

“There is a need for youths to be mainstreamed in policies, particularly on WEF security, as they are the ones who suffer the most in trying to ensure WEF security.”

Shamil Agosi



Regional Coordinator of Africa Union Youth Clubs, Shamil Agosi, speaks at the SADC Nexus Dialogue, Johannesburg, 2019.

Mainstreaming gender in the water sector

Integrated water resources management highlights women's central place in water governance and use. With this comes the need to include gender in water sector policies, programmes, actions, and investments.

Gender mainstreaming in the SADC Water Sector is realised through instruments such as the Revised SADC Protocol on Shared Watercourses, the SADC Regional Water Policy, the SADC Regional Water Strategy, and the Southern African Vision for Water, Life and Environment in the 21st Century. Gender focal points (GFPs) within the SADC water ministries are responsible for ensuring that discussions and decisions are inclusive.

In 2017, a gap in gender inclusiveness was identified in transboundary river basin planning: the GFPs were not actively participating in RBO

activities. In response, SADC and GWPSA, commissioned a study of gendered impacts of climate change in the SADC region, emphasising the importance of understanding the needs of women and other vulnerable people during the design phase of water projects.

The Southern African Development Community's RSAP III took into account gender mainstreaming in the Transboundary Water Management programme, which resulted in:

- the SADC Handbook on Mainstreaming Gender in the Water Sector.
- regional and national gender action plans.
- a Gender Mainstreaming in the Water Sector Project Preparation and Financing Clinic, which built on skills acquired by the GFPs in gender responsive budgeting through the Transboundary Water Management programme.



GWPSA launches its Strategy 2020–2025 at a High Level Ambassadors Event at GWPSA office



From left: Mr Graham Chingambu, Fund Manager: SADC Water Fund; Honourable David Mahlobo, South African Deputy Minister of Human Settlements, Water and Sanitation; Ms Mapolao Mokoena, Director of Infrastructure: SADC Secretariat; Mr Harsen Nyambe, Head of Environment, Climate Change, Water, and Land Management: African Union Commission; Dr Kuiru Tjipangandjara, Former Board Chair: GWPSA-ACU

The Global Water Partnership Southern Africa launched the new GWP Strategy for 2020–2025, Mobilising for A Water Secure World, on 5 November 2019 in Pretoria, South Africa, at a high-level ambassadors meeting with delegates from the AU Commission and SADC states, ambassadors from SADC and River Basin Organisations, and GWPSA funding Partners.

The 2020–2025 strategy addresses the current global water concerns and provides the framework for GWPSA's work in southern Africa.

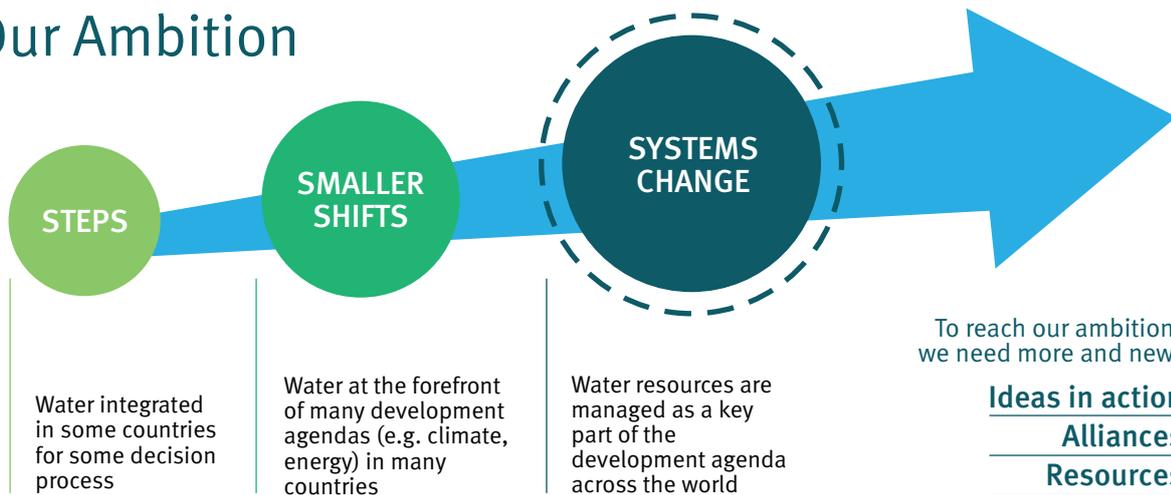
The Global Water Partnership Executive Secretary, Dr Monika Weber-Fahr, described the strategy as one of urgency.

“The Global Water Partnership Southern Africa is a network of over 3,000 organisations and we have been able to move and shake things up quite a bit over the years. But we know that bureaucratic competition, particularly between ministries and other hurdles, derails progress towards the achievement of the SDGs,” she said.

“The new strategy not only expresses the urgency of solving the world's water problems but [also] emphasises the need to foster systemic change so that the pressures on water can be moderated and managed.”



Our Ambition



The Strategy 2020–2025 has three anchor areas: water solutions for SDGs, climate-resilient development, and transboundary water cooperation.

The Global Water Partnership Southern Africa's work will also contribute to gender equality, and promote private sector engagement and youth participation in water resource management.

Over the next six years, GWPSA's programmes will continue to mobilise key actors within and beyond the water sector through multi-stakeholder

“Efforts to mobilise investments should be a shared responsibility between the Regional Water Partnership and the Country Water Partnerships.

To this end, the Regional Water Partnership is expected to play a pivotal role in ensuring that there is adequate capacity at all levels.”

His Excellency Mr Richard Lupembe, the High Commissioner of the United Republic of Tanzania and SADC Chair of Ambassadors representing the SADC member states

platforms, act through integrated water interventions, and encourage learning through capturing and sharing its knowledge.

During the launch, the SADC Secretariat lauded its collaboration with GWPSA, which has seen the two partners successfully delivering regional programmes in the water sector, including the SADC GIZ Transboundary Water Management Programme and the SADC-EU WEF Nexus Programme.

“We hope this partnership will continue to flourish and advance the water security in the SADC region during and beyond the GWP Strategy 2020–2025”, said Ms Mapolao Rosemary Mokoena, Director of Infrastructure, SADC Secretariat.



GWPO Executive Secretary, Dr. Monika Weber Fahr officiates the launch of the new GWP strategy 2020-2025 in Pretoria, 2019



Honourable David Mahlobo, Deputy Minister of Human Settlements, Water and Sanitation

“The Southern African Development Community is also looking forward to the new GWP strategy to assist the region in dealing with some of these challenges. For instance, the challenge of securing investments in the water sector is critical because it has the potential to contribute to the regional, industrialisation, environmental protection, socio-economic agenda and reduction of poverty in the southern Africa region.”

Ms Mokoena expressed the SADC Secretariat's confidence in GWPSA's knowledge development and management systems, both regionally and globally, and urged that the new strategy draw

from both these and other growing regional knowledge hubs.

The new strategy was welcomed by SADC member states. Speaking at the launch, the Honourable David Mahlobo, Deputy Minister of Human Settlements, Water and Sanitation in South Africa, stressed the importance of water security in ensuring adequate supplies of food and energy, referring to the WEF Nexus as crucial for all life and important for human socio-economic wellbeing.

The Global Water Partnership Southern Africa will implement the six-year strategy through two three-year work programmes. The first work programme, running from 2020–2022, was developed in a consultative process involving GWPSA's steering committee and Consulting Partners.

The process found that investments in IWRM were not advancing at the rate needed to build climate resilience owing to limited technical, financial, and governance capabilities at all levels. The Global Water Partnership Southern Africa will address this gap through the AIP, which aims to leverage US\$30 billion in investment in water and sanitation projects and create five million jobs by 2030.



GWPSA-ACU Steering Committee



His Excellency President Jakaya Mrisho Kikwete, Chair: GWPSA-ACU

The fourth president of Tanzania, His Excellency Jakaya Mrisho Kikwete is a graduate of economics from the University of Dar es Salaam. He has served in many party, military, and government positions, including the Tanzanian ministerial portfolios of Finance, Water, Energy and Mineral Resources, Foreign Affairs, and International Cooperation. He also served as the chairperson of the AU from 2008–2009 and the chairman of the SADC Troika on Peace, Defence and Security in 2012–2013. His Excellency Kikwete's extensive experience in international peace-building, and his commitments to the use of natural resources to improve human health and livelihoods, reflect the core of GWP's values and work.



Her Excellency Chileshe Kapwepwe

The Secretary-General of COMESA has served as Deputy Minister of Finance and National Planning in the Cabinet of Zambia; Executive Director of the International Monetary Fund; Chairperson of the Zambia Revenue Authority; Managing Director of the Zambia National Airports Corporation Limited; and a Board Member of the Zambia Revenue Authority, Bank of Zambia, Ecobank Zambia Limited, BP Zambia Limited, Zambia Privatisation Trust Fund, Airports Council International, African Civil Aviation Commission, and Nico Insurance.



Engineer Munashe Mvura, Vice Chair: GWPSA-ACU

Engineer Munashe Mvura is a consultant in strategic planning, strategic management, and corporate governance. A graduate of international water law studies in Israel and South Africa, he is a gender mainstreaming specialist in water resources planning, development, and management. He has vast experience in watershed management, water development, management, and the protection of finite resources.

He has served as Host/Coordinator for the Zimbabwe Water Partnership and Chief Executive Officer of the Upper Manyame Subcatchment Council in Zimbabwe, and has served in the Ministry of Water Resources Development, and in the Zimbabwe National Water Authority. His award-winning paper, Valuing Water Towards Investment Attraction In Developing Countries: A Case of Zimbabwe, documented the challenges of water sector reform that aims to engage local stakeholders in integrated water resources management. Engineer Mvura is a member of the Engineering Council of Zimbabwe and the Zimbabwe Institution of Engineers.



Ms Nchedi Sophia Maphokga-Moripe

Ms Nchedi Sophia Maphokga-Moripe is the Chief Director of Global Cooperation and Strategic Partnerships in the South Africa Department of Water and Sanitation. She is a member of the International Advisory Committee of the UN Water Action Decade 2018–2028 and the UN SDG Political Forum for UN 2021 & 2023 International Preparatory Group, and has served in high-level advisory and negotiating roles for the UN World Bank High Level Panel on Water, the UN Commission on Sustainable Development, the Commission on Sustainable Development, Women Major Groups, the UN Commission on Status of Women, and the India, Brazil and South Africa People-to-People Forum.



Dr Patrice Kabeya

Dr Patrice Kabeya is the Senior Programme Officer for Water at the SADC Secretariat. He is responsible for developing programmes that lead to promoting efficient and effective management of shared watercourses and improving the development of strategic water infrastructure in the SADC region. His areas of expertise include water management, economic analysis for water investment projects, institutional development, application of research to water economy, and econometrics. Dr Kabeya earned a PhD in Economics and International Development at the University of Bradford in the United Kingdom.



Mrs Emelda Mapule Dlamini-Magagula

Mrs Emelda Mapule Dlamini-Magagula is a Senior Water Engineer – Infrastructure at the Department of Water Affairs in Eswatini. She holds an MSc in Leadership and Change Management from Leeds University, an MSc in Integrated Water Resources Management from the University of Zimbabwe, and a BSc in Biology, Geography, Environmental Science and Planning from the University of Eswatini.

Mrs Dlamini-Magagula has worked extensively on water development, regulation, and management, and is a member of the Komati Basin Water Authority Board of Directors. Mrs Dlamini-Magagula played a major coordination role in the development of the Integrated Water Resources Master Plan for Eswatini, was involved in the drafting of dam safety regulations, and participated in the development of the National Water Policy.



Mr Gabin Lulendu Musumari

Mr Gabin Lulendu Musumari is currently the Head of the Democratic Republic of the Congo's Hydraulic Resources and Electricity Minister Cabinet. He is an expert in the field of water, hygiene, and sanitation law. He has more than ten years of experience in judicial practice, legal and institutional analysis, and drafting of legislation and research in the field of public international environmental law, law of international organisations, and international humanitarian law. He also has specific experience with combating illegal financial transactions.

As a lawyer, Mr Musumari works in dispute resolution and prepares legal opinions related to institutional issues. He has also worked with RODECO Consulting GmbH on the rehabilitation of municipal drinking water supply systems in the DRC, in the National Financial Intelligence Unit, for the DRC's National Water and Sanitation Action Committee, and on water projects for the Economic Community of Central African States, the United Nations Children's Fund, GIZ, and Belgian Technical Cooperation. He holds a law degree from the University of Kinshasa.



Engineer Kelvin Chitumbo

Engineer Kelvin Chitumbo is the Director of the National Water Supply and Sanitation Council in Zambia. He is a water regulation expert with more than 15 years of experience in water utility regulation and reform, policy development, restructuring, financing, and service provision.

His previous experience as Chief Inspector for Zambia's water supply and sanitation services, as Director of Engineering Services at Kabwe Municipal Council, and as an engineer for the energy industry supporting the mines in Zambia contributed to his expertise in water and sanitation reforms and development, water resources management, contracts management, infrastructure maintenance management, financial management, project management, training, and general administration. Engineer Chitumbo holds an MSc degree in Strategic Management, an MBA from Edinburgh Business School and Heriot-Watt University, and a BEng Degree–Civil from the University of Zambia. He is working on a Doctorate of Business Administration with Edinburgh Business School, Heriot-Watt University.



Professor Piet Kebuang Kenabatho

Professor Piet Kebuang Kenabatho, Associate Professor at the University of Botswana, is an environmental scientist with more than 18 years of professional experience in applied hydrology, groundwater modelling, water resources development for sustainable environmental management, IWRM, and climate change adaptation, resilience and mitigation strategies. He holds a PhD in Hydrology and Water Resources from Imperial College London and is a member of the International Association of Hydrological Sciences, the American Geophysical Union, and the AU/NEPAD Southern African Water Centres of Excellence.

As the founding Chair of the Botswana Water Partnership in 2004, he oversaw the formulation and supervision of Botswana's IWRM and Water Efficiency Plan and led the accreditation process for the country water partnership. In May 2017, he was awarded the Minister's Special Award in recognition of his exceptional contribution to the water sector in Botswana and his support of the Ministry of Land Management, Water and Sanitation Services in Botswana. Prof. Kenabatho is well published and has authored more than 20 publications on hydrology, climate, IWRM, groundwater, transboundary water, and other water-related topics.



Mr Alex Simalabwi

Executive Secretary GWPSA-ACU (Ex-Officio Member)

Mr Alex Simalabwi is the Executive Secretary of GWPSA and Head of the GWP Africa Coordination Unit. He is also GWP's Global Lead on Climate Change and the Global Coordinator of WACDEP at GWP HQ. He co-chaired the World Bank Expert Group for Climate Resilience, and conceived, developed, and currently leads a programme for investments preparation, water security, and climate-resilient development across 60 countries spanning Europe, Asia, Africa, Latin America, and the Caribbean. He has advised more than 20 countries and governments on

the integration of water into economic national development. The lead author of Water Security for Development in Africa, Mr Simalabwi led the development of the AU strategic framework for water security and climate-resilient development. He holds postgraduate qualifications in business (MBA) and Civil Engineering, and a master's degree in Public Policy from Harvard University's Kennedy School of Government.



Mr Frederik Pischke

Corporate Governance and Programmes Subcommittees GWPO (Ex-Officio Member)

Mr Frederik Pischke is a Senior Specialist of the GWP global office, supporting and providing oversight to the operations of GWP Southern Africa and GWP Eastern Africa. He is based at the WMO in Geneva, Switzerland, working on water and climate extremes as well as hydro-climate services through the joint WMO/GWP work on drought and flood management.

With a background in Environmental Sciences, Mr Pischke has more than 15 years of experience in natural resources management, climate change, and related policy processes. He has carried out work for multiple international organisations and is a member of the GWP Eastern Africa Regional Steering Committee and an Adjunct Senior Research Fellow with the Centre for Applied Climate Sciences at the University of Southern Queensland, Australia. He has published extensively about the role of water, climate change, and disaster risk management.

GWPSA–ACU Experts and Regional Technical Committee



Mr Remigious Makumbe

Special Advisor: Water for Job Creation, Industrialisation and Partnership Sustainability

Mr Remigious Makumbe was formerly the SADC Director of Infrastructure and Services. He has extensive experience in infrastructure planning and implementation across SADC. In the last 12 years he has played key roles in the planning, consensus building, coordination, implementation, and review of several plans, policies, and strategies, related to infrastructure in SADC, the COMESA-EAC-SADC Tripartite Infrastructure Framework, and PIDA.

He is the holder of a BSc (Engineering Degree, University of Zimbabwe); a BCom in Economics and Transport (UNISA) and a Master of Policy Studies (University of Zimbabwe/Fort Hare), and an Honorary Doctorate in Business Administration from the Commonwealth University, hosted by the London Graduate School. He is a Chartered Engineer (UK) and a Member of the Zimbabwe Institution of Engineers, and the Institute of Business Advisors Southern Africa.



Ms Litumelo Mate-Sievers

Gender Specialist

Ms Litumelo Mate-Sievers has worked for various organisations in Zambia, including the Royal Danish Embassy, CARE Zambia, and the Ministry of Health. She has provided consultancy support to, and managed, a number of projects for organisations and government ministries within SADC, including CRIDF, and Zambia's Ministry of Water Development, Sanitation and Environmental Protection.

Throughout her work experience she has engaged with and managed projects funded by the World Bank, AfDB, Danida, UNDP, UN Habitat, Irish Aid, Millennium Challenge Corporation USA, and the United Kingdom Department for International Development through CRIDF. Ms Mate-Sievers holds a master's degree in Social Work from DMI – St. Eugene University in Zambia, and a master's in Public Policy Analysis from the Southern African Regional Institute for Policy Studies.



Professor James Nelson Blignaut

Chief Economist Expert

Professor James Nelson Blignaut is an international economics professor at the University of Pretoria and the former editor-in-chief of the South African Journal of Economic and Management Sciences. He uses his ecological and environmental resource economics expertise to provide intellectual leadership and economics-related input to the GWPSA regional programme on water infrastructure, job creation, and SDG investments.

A former South African Reserve Bank employee, Prof. Blignaut has worked with the Limpopo and KwaZulu-Natal governments, Statistics South Africa, the Department of Environmental Affairs, the Department of Water Affairs, the Department of Energy, the National Treasury, Working for Water, and Global Invasive Species Programmes.



Dr Adolphine Kateka

Climate Finance Expert

Dr Adolphine Kateka is an economist with an extensive career in environmental studies and climate change. She has a PhD in natural resources economics from Stockholm University, an MBA in international economics from Stockholm Business School, and a degree in Economics from the University of Dar es Salaam. She has worked extensively in the field of climate finance at national and international levels.

Dr Kateka has served as accreditation advisor on the Board of the GCF. She is currently a consultant with the Tanzania Water Partnership; a Senior Lecturer/Research Fellow with the University of Dar es Salaam, the Department of Agricultural Economics and Business, and Centre for Climate Change Studies. In her role as GWPSA's Climate Finance Expert, Dr Kateka provides expertise in mobilising climate finance and preparing funding proposals for the GCF, Global Environmental Facility and others.



Mr Piet Heyns

Transboundary Water Management Expert

Mr Piet Heyns is a seasoned and well known professional in the water sector. An expert in national, regional, and global water planning, water infrastructure construction, water scheme operations, as well as water governance, development, and management, he has more than 40 years of experience as a civil engineer in the water sector in southern Africa – 33 years in the government services of both South Africa and Namibia, and a term as a Commissioner for the Permanent Okavango River Basin Water Commission.

Mr Heyns put his extensive experience to work as a freelance water management consultant, specialising in transboundary water management issues, and has provided expert support to various water management institutions, including GIZ and the Stockholm International Water Institute (SIWI). A former member of the African Advisory Group of the World Bank and first Steering Committee of the GWPSA, Mr Heyns also chaired the SADC Water Sector Technical Committee.



Mr Frederick Lehloka Tlhomola

WEF Nexus Expert

Mr Frederick Lehloka Tlhomola worked for more than 20 years at the LHWP. During his more than 10 years as Manager of the Integrated Planning Branch/Manager Reservoir Management at the Lesotho Highlands Development Authority, Mr Tlhomola has managed consultancy projects and has participated in the processes of development of Scope of Services, evaluation of both technical and financial submissions, and contract supervision. He has also scoped, provided technical specifications, and managed service level agreements for the Lesotho Highlands Development Authority.



Professor Hamanth Chotoo Kasan

Urban Water Management Expert

Professor Hamanth Chotoo Kasan is a specialist in urban water and sanitation and related sectors, with more than 25 years of global academic and corporate experience in the water and waste water sector. He brings to GWPSA his knowledge and expertise in integrated water management, water and sanitation services provision, and the design of feasibility studies, as well as investment plans for water and sanitation.

He has served as Vice President and Board Member of the International Water Association, President of the International Water Association South Africa, and President of IWA Eastern and Southern Africa region. He is currently serving on Advisory Boards of Water Institutes at Stellenbosch University, the University of Pretoria, and Monash University, and as Extraordinary Professor at the University of Pretoria.

Financial report 2019

Presented below is a summary of the financial results for 2019 for the GWPSA Secretariat based in Pretoria, South Africa. Total funds available for GWPSA programmes for 2019 amounted to €2.36 million, consisting of funds raised at country level (Tanzania) regionally and globally through GWPO.

Globally raised funds

Funds allocated to the region from GWPO during 2019 amounted to €0.62 million.

Regionally raised funds

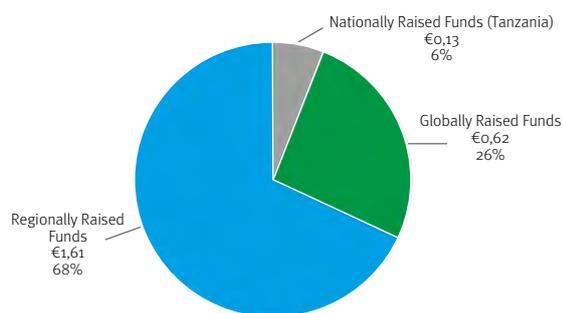
Total regionally available funds for expenditure for the year amounted to €1.61 million. The funds comprised

locally mobilised funds from donors, including the United Kingdom Department for International Development (through WYG International and AECOM), GIZ, the European Commission, the United Nations Children's Fund, and USAID's Resilient Waters Program.

Nationally raised funds

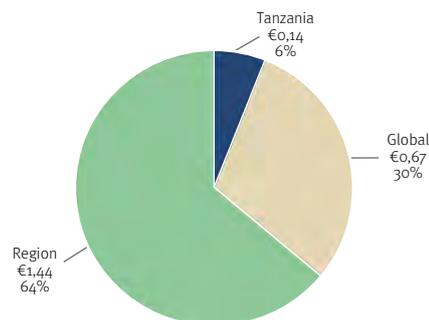
Nationally raised funds for 2019 amounted to €0.13 million mobilised by the Tanzania Water Partnership. Funds for Tanzania were mobilised through the IDRC, the National Research Foundation, the African Academy of Sciences and the Department of Water.

Funds available for expenditure 2019 (€ Million)



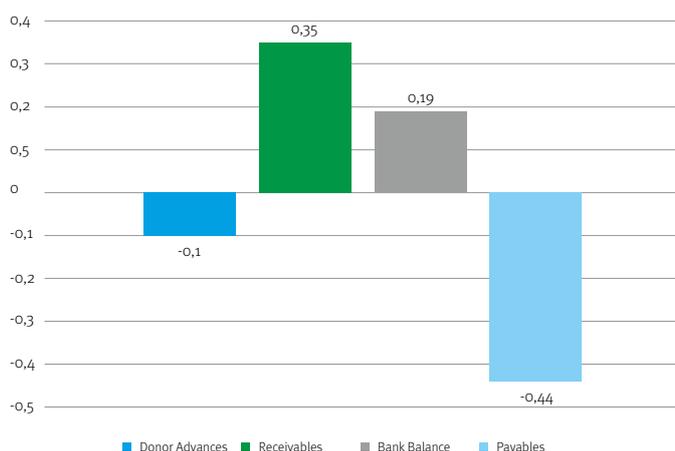
■ Globally Raised Funds	€ 0,62 million
■ Regionally Raised Funds	€ 1,61 million
■ Nationally Raised Funds (Tanzania)	€ 0,13 million
Total Funds Available for Expenditure	€2,36 million

Expenditure 2019 (€ million)



■ Expenditure on Globally Raised Funds	€ 0,67 million
■ Expenditure on Regionally Raised Funds	€ 1,44 million
■ Expenditure on Nationally Raised Funds (Tanzania)	€ 0,14 million
Total Expenditure	€2,26 million

Balance Sheet 31 December 2018 (€ million)



■ Donor Advances	€ 0,35 million
■ Receivables	€ 0,19 million
■ Bank Balance	€ 0,44 million
■ Payables	€ 0,10 million

GWPSA partners as of the end of 2019

Country	Partners
Angola	<ul style="list-style-type: none"> Associação de Conservação do Ambiente e Desenvolvimento Integrado Rural (ACADIR) DNA (Provincial Namibe) Geology Department – Agostinho Neto University Instituto Hidromina Lubango
Botswana	<ul style="list-style-type: none"> Botswana Red Cross Society Central District Council Department of Water Affairs (Botswana) Kalahari Conservation Society (Botswana) Ministry of Agriculture – Water Development Section Ministry of Local Government North West District Council Rural Industries Promotions Company Water Utilities Corporation
Democratic Republic of the Congo	<ul style="list-style-type: none"> Action Féminine pour le Développement Communautaire Action for Improvement of Food Child and Mother Agency for the Protection and Sustainable Management of Natural Resources APGDRN –Asbl Association des Agriculteurs sans Frontieres Association pour la Promotion des Initiatives Communautaires Association pour le Développement Rural Intégré de Nganda Tsundi Commission Internationale du Bassin Congo-Oubangui-Sangha Ecole Régionale Post Universitaire d'Aménagement et de Gestion Intégrés des Forêts et Territoires Tropicaux Green Ark/Arche Verte Initiative Locale pour le Developpement Intégré Initiatives pour la Réconciliation Communautaire International Clean City Programme d'Initiatives et d'Encadrement Aronomique pour le Développement Communautaire SOS – Femmes Solidaires sans Frontieres Université de Kinshasa University Kin London
Eswatini	<ul style="list-style-type: none"> Africa Cooperative Action Trust Cebisanani Women's Organisation Desways Consulting Engineers Ekupheleni Youth Association Emanti Esive Geosystems Swaziland Pty Ltd Inkanyeti Yekusa Farmers Inkanyeti Yekusa Investments Komati Basin Water Authority Land Use Planning Section Lesibomvu Multi-Purpose Co-operative Society Lobovu Farmers' Co-op Lojaluzza Investments Magwagwa and Company Maphumngwane Rural Water Project Mazingira Consultants Ministry of Agriculture – Land Development Section MOAC – Land Use Planning Phaphamani Maize Scheme Renewable Energy Association of Swaziland Rural Water Supply Branch S.C.E. Engineering Consultants Pty Ltd. Shiselweni Regional Sector Coordinating Committee Sigma Scientific Pty Ltd. Siphofaneni Irrigation District Swaziland Environment Authority Swaziland Farmer Development Foundation Swaziland Meteorological Service Swaziland National Association of Journalists Swaziland Positive Living Swaziland Youth Employment Summit UNISWA Geog. Env. Sc and Planning Society University of Swaziland, Department of Biological Sciences Water Resources Branch
Lesotho	<ul style="list-style-type: none"> Department of Water Affairs Disaster Management Authority Lesotho Highlands Development Authority Ministry of Development Planning Ministry of Forestry and Land Reclamation National Environment Secretariat Technologies for Economic Development Water and Sewerage Authority Water Commission Lesotho
Malawi	<ul style="list-style-type: none"> Action for Environmental Sustainability Adventist Development and Relief Agency Basis Water Project Blantyre City Assembly Blantyre Water Board CARE Malawi Carlsberg Malawi Brewery Limited Catholic University of Malawi Central Region Water Board Centre for Development Research and Information in Southern Africa Centre for Environmental Policy and Advocacy Centre for Girls and Interaction Chilema Ecumenical Lay Training and Conference Centre Chiwata Forestry Initiatives and Strategy Christian Health Association of Malawi Concern Universal Consumers Association of Malawi Department of Energy Affairs Department of Geography and Earth Sciences Department of Meteorological Services Department of National Parks and Wildlife Department of Surveys Electricity Supply Corporation of Malawi Environmental Engineering Research and Consultancy Services Every Child – Malawi Forum for Environmental Communication Foundation for Youth Empowerment FreshWater Project Friends of Nature Youth Association Gender Support Programme GOAL Malawi Institute of Environmental Professionals Interconsult Jezu & Partners Kukhala Water Environment and Sanitation Network Lilongwe City Assembly Malawi Aid to Community Development Malawi Bureau of Standards Malawi College of Health Sciences Malawi Freshwater Project Mangochi Fishers Association against AIDS MATAMA Ministry of Economic Planning and Development Ministry of Energy, Mines and Natural Resources Ministry of Gender, Child Welfare and Community Services Ministry of Transport, Public Works and Housing Ministry of Water Development Mzuzu University National Research Council of Malawi National Spatial Data Centre Natural Resources College Nkhomano Centre for Development Phalombe District Assembly Romana Consulting Engineers Southern Region Water Board Temwa & Associates The Weekly News Training Support for Partners Water for People Water Resources Board Water Services Association of Malawi, c/o Blantyre Water Board WaterAid Wildlife and Environmental Society of Malawi Willy and Partner Engineering Services Youth Arm Organisation Youth Net and Counselling Zomba Municipal Assembly
Mauritius	<ul style="list-style-type: none"> Central Water Authority GEOtechnical Services Ltd Ministry of Energy and Public Utilities Scene-Ries Consult Ltd Servansingh Jadav and Partners Ce Ltd University of Mauritius Water Research Co Ltd

Country	Partners
Mozambique	<ul style="list-style-type: none"> Acucareira de Xinavane Administração Regional de Águas do Norte Administração Regional de Águas do Sul Administração Regional de Águas do Zambese Administração Regional de Coop Norte Águas do Centro Águas de Moçambique, SARL Associação Abiodes Associação Geral dos Camponeses de Degue/Boroma Centro Terra Viva – Estudos e Advocacia Ambientais Chicualacuala Rural Water Development Association Consortio de Desenvolvimento Rural de Tete Consultec – Consultores Associados Lda Coop Norte Departamento de Geografica, Universidade Eduardo Mondlane Departamento de Gestão de Recursos Hídricos, Direção Nacional de Águas Direção de Agricultura da Cidade – Zonas Verdes Direção Nacional de Geologia Direção Provincial de Agricultura, Irrigação de Pequena Escala Maputo Eco – Matola Faculdade de Agronomia e Engenharia Forestal, Universidade Eduardo Mondlane Faculdade de Arquitectura e Planamento Físico, Universidade Eduardo Mondlane Faculdade de Direito, Universidade Eduardo Mondlane Faculdade de Educação Forum Natureza em Perigo Gabinete de Rios Internacionais, Direção Nacional de Águas Gabinete do Plano de Desenvolvimento da Região do Zambeze Geasphere GTA – Grupo de Trabalho Ambiental Instituto Superior de Relações Internacionais Justica Ambiental Kulima Link Forum de ONGs Livaningo National Institute for Agricultural Research Proconsumers – Associação para o Estudo e Defesa do Consumidor Rural Consult Ltd Teaching and Agricultural Development Centre of Sábie União das Cooperativas Agro-Pecuárias do Vale de Nhartanda União Provincial de Camponeses de Tete Vozes de Zambese World Wide Fund for Nature
Namibia	<ul style="list-style-type: none"> City of Windhoek Department of Water Affairs and Forestry of Namibia Desert Research Foundation of Namibia Faculty of Agriculture and Natural Resources, University of Namibia Geology Department, University of Namibia Lund Consulting Engineers Namibia Agricultural Union UNAM Northern Campus
South Africa	<ul style="list-style-type: none"> African Centre for Water Research Blue Security Solutions Bowman Gilfillan Inc Department of Water & Sanitation Freshwater FinFish Farmers Association of South Africa Group For Environmental Monitoring ICRD Group Foundation Trust Impact Inastone Trading Inkomati–Usuthu Catchment Management Agency Institute for Poverty Land and Agrarian Studies Matebeleng Community Project OneWorld Sustainable Investments Pegasys Institute Rand Water The Centre for Environmental Management The Mvula Trust Tsinde Development Consultants University of KwaZulu-Natal University of Pretoria, African Water Issues Research Unit, Centre for International Political Studies Virgin Creatives Water Research Commission Youth Empowerment Network
Tanzania	<ul style="list-style-type: none"> Africa Oner Company Limited Directorate of Irrigation and Technical Services Directorate of Water Resources Ministry of Water Evangelical Lutheran Church in Tanzania Pare Diocese Hydrogeology Section, Ministry of Water Ikra Educational Training Centre Institute of Resource Assessment Iringa Urban Water Supply and Sewerage Authority Kilimanjaro AIDS Control Association Lake Rukwa Basin Water Board Mifipro Trust Fund Ministry of Energy and Minerals Ministry of Water Nyerere Institute of Technology and Innovation Pamoja Afrika Tanzania Pangani Basin Water Board Planning Commission Reach The Children Resources Advisors Rujewa Integrated Efforts to Fight Poverty Ruvuma Regional Water Department Sokoine University of Agriculture, Soil Water Management Group Southern Highlands Energy and Environment Centre Sunya Ward Education and Training Tanzania Association of Environmental Engineers Tanzania Association of Women Leaders in Agriculture, Mikochei Agriculture Research Institute Youth and Women Empowerment Organisation Zanzibar Water Authority
Zambia	<ul style="list-style-type: none"> Advocacy for Environmental Restoration Africa Water Engineering Consultants Alejo Community Support Project Azurite Water Resources Limited BLZ Consulting Ltd Care International Chalimbana River Catchment Conservation Committee Department of Civil Engineering – School of Engineering Department of Community & Environment Services Department of Mass Communication, UNZA Department of Metallurgy – University of Zambia Department of Soil Science – University of Zambia Department of Surveying, School of Engineering Department of Water Affairs Eastern Water and Sewerage Company Limited Environmental Council of Zambia G.M. Alpha Tech Enterprises Geography Department – University of Zambia Geology Department – School of Mines GIZ – Zambia Ireland Aid – Zambia Irrigation Engineering Section Kafubu Water & Sewerage Company Kamanga Residents Development Committee Kitwe City Council Love and Healing Hands Foundation Lusaka City Council Lusaka Water and Sewerage Company Ltd Maboshe Memorial Centre Mines Safety Department Mining Engineering Ministry of Agriculture & Cooperatives Ministry of Agriculture & Cooperatives, Monze Ministry of Agriculture and Cooperatives, Lusaka, Department of Agriculture Ministry of Energy and Water Development, Water Board Mongu Municipal Council Mufulira Municipal Council Mulonga Water & Sewerage Company National Institute for Scientific and Industrial Research National WASHE Coordination and Training Team National Water Supply and Sanitation Council Nkana Water and Sewerage Company Ltd Rural Hope Africa Southern Water and Sewerage Co Ltd Water Development Board Water Resources Action Programme Water Sector Reform Support Unit Western Water and Sewerage Company WWF – Zambia Zambezi River Authority Zambia Daily Mail Zambia Institute of Environmental Management Zambia Sugar

Country	Partners
Zimbabwe	<ul style="list-style-type: none"> • AFRICA 2000 Network • Africa University • Association of Rural District Councils • Biotechnology Research Institute – (BRI) of SIRDC • Communal Area Management Programme for Indigenous Resources • Concern Worldwide • Department of Physics, University of Zimbabwe • Department of Soil Science and Agricultural Engineering, University of Zimbabwe • Energy Technology Institute • Environment Africa • Environmental Sciences Institute of SIRDC • Factor of Hope • Geology Department, University of Zimbabwe • Global Water & Environmental Management Trust • Horticultural Promotion Council • Hydro-Utilities Consulting Engineers (Pvt) Ltd • Institute of Environmental Studies, University of Zimbabwe • Institute of Water and Sanitation Development • Inter Country People's Aid • International Council for Local Environmental Initiatives • IUCN – ROSA • IWRMUZClass2012 • Lower Munyati Sub-Catchment Council • Lozane Community Project • Manyame Catchment Council • Matabeleland Zambezi Water Trust • Midlands State University • Mvuramanzi Trust • Nyagui Subcatchment Council • PHM Consultants • SADC Drought Monitoring Centre • Sanyati Catchment Council • Southern African Research and Documentation Centre in Musokotwane • Southern African Research and Documentation Center, Women in Development Southern Africa Awareness • SRK Consulting • The Urban Councils Association of Zimbabwe • University of Zimbabwe • University of Zimbabwe, Department of Agricultural Economics and Extension • Upper Manyame Subcatchment Council • Watenn Consulting (Pvt) Ltd • Water Resources Eng and Mngmt Project • WREM, University of Zimbabwe • Youth Agrarian Society • Zimbabwe Open University • Zimbabwe United National Association

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eSwathini		Mrs. Emelda Magagula (Acting)
Lesotho	Mr. Thabo Nteko	Mr. Ngoanamathe Nthathakane
Madagascar		Mr. Simon Robison (Acting)
Malawi	Mr. Samuel Bota	Prof. Victor Chipofya
Mauritius		Dr. Manta Nowbuth (Acting)
Mozambique		Mr. Messias Macie (Acting)
Namibia	Ms. Maria Amakali	Ms. Ndina Nashipili
South Africa	Ms. Lindiwe Lusenga (Acting)	Ms. Thobile Mithyane (Acting)
Tanzania	Dr. Victor Kongo	Ms. Diana Kimbute
Zambia	Eng. Kelvin Chitumbo	Ms. Margaret Samulela
Zimbabwe	Mr. Gerald Mundondwa (Acting)	Mr. Wensley Muchineri

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Mpumalanga, South Africa
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