

REPORT TO: THE EXECUTIVE MAYOR AND MAYORAL COMMITTEE  
AND SECTION 79 OR 80 COMMITTEES

2018 -10- 02

1. ITEM NUMBER MC 08/10/18

2. SUBJECT

FEEDBACK ON THE INTERNATIONAL TRIP UNDERTAKEN FROM CAPE TOWN TO STOCKHOLM TO PARTICIPATE IN VARIOUS SESSIONS ON "BUILDING A RESILIENT FUTURE THROUGH WATER" AT THE 2018 WORLD WATER WEEK CONFERENCE IN (STOCKHOLM), 26<sup>TH</sup> – 31<sup>ST</sup> AUGUST 2018

ONDERWERP

TERUGVOERING OOR DIE INTERNASIONALE REIS VAN KAAPSTAD NA STOCKHOLM VIR DEELNAME AAN VERSKEIE SESSIES OOR "DIE BOU VAN 'N VEERKRAGTIGE TOEKOMS DEUR WATER" BY DIE KONFERENSIE VAN DIE 2018-Wêreldwaterweek 2018 IN STOCKHOLM VAN 26 – 31 AUGUSTUS 2018

ISIHLOKO

INGXELO EMALUNGA NEHAMBO KUMAZWE APHESHEYA KOLWANDLE  
EQHUTYWE UKUSUKA EKAPA UKUYA E- STOCKHOLM NGENJONGO  
YOKUTHABATHA INXAXHEBA KWIISESHINI EZAHLUKENEYO  
EZIMALUNGA NOKWAKHA IKAMVA ELULUQILIMA  
NGOKUSETYENZISWA KWAMANZI KWINKOMFA YEHLABATHI  
ENGEVEKI YEZAMANZI YANGO-2018 E-STOCKHLM, UKUSUSELA  
NGOWAMA-26 UKUYA NGOWAMA-31 KWEYETHUPHA (AGASTI) 2018

LSU K1132

### 3. EVENT SUMMARY

EVENT DETAILS	
SEMINARS	"Building A Resilient Future Through Water" at the 2018 World Water Week
OTHER	Gisela Kaiser was invited to participate in various sessions
DATE	26 <sup>TH</sup> – 31 <sup>ST</sup> AUGUST 2018
VENUE	Stockholm City Conference Centre
CITY	<b>STOCKHOLM</b>
COUNTRY	<b>SWEDEN</b>

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
Dr Gisela Kaiser	Executive Director
SUMMARY OF HOST ORGANISATION / CITY	
<p>Stockholm International Water Institute (SIWI) is a water institute that leverages knowledge and convening power to strengthen water governance for a just, prosperous, and sustainable future. The world is at a point where water crises and competition for water are no longer risks, but a reality for many. SIWI believes that the best way to tackle water crises, and help bring about lasting change, is to strengthen water governance among public and private actors alike. Essentially, who gets what water, when and how, and who has the right to water and related services, and the associated benefits.</p> <p>SIWI's strong, international team of knowledge-generators, convenors, facilitators, and trainers works to strengthen the systems and processes that govern access to and protection of fresh water, with the overarching aim to contribute to poverty eradication. World Water Week, an expansion of Stockholm Water Symposium, is today the world's leading annual water event.</p> <p>The World Water Week 2018's theme is "Water, Ecosystems and Human Development" and is the biggest annual global meeting on water related issues and gathers Heads of State, Ministers and other government officials, CEO'S and business innovators, international organizations, civil society organizations and academics to exchange ideas and experience, form partnerships, celebrate achievements and contribute to a very strong agenda setting for water and sustainable development. In the seminars the presentations and discussions will include technical, governance, scientific and political and will aim to showcase selected nature-based solution experiences that change the urban fabric, examine required changes in planning and governance, and formulate policy recommendations on future adoption of ecosystem approaches within the context of New Urban Agenda and the Sustainable Development Goals.</p>	

#### 4. OBJECTIVE

Water security is of concern internationally and Cape Town's experience in working through the current drought is of great interest to other regions. For this reason, the Stockholm International Water Institute invited the City to participate at various sessions during the annual World Water Week conference. The opportunity for the City lies in forging relationships to future participation and shared learning from the international community of water professionals.

#### 5. OUTCOMES

South Africa, through the National Department of Water & Sanitation has a working relationship with SIWI. Participation at the event results in the inclusion of the City of Cape Town in the water network represented at the conference – the City will continue to collaborate with this network.

☐ - Partnership Agreement

- ☐ - Membership Agreement
- ☐ - Grants Agreement
- ☐ - Memorandum of Understanding
- ☐ - Statement of Intent
- ☐ - Other

## 6. ACTIONS REQUIRED

The Water & Sanitation department wishes to build upon the relationship and network connections established and as such will collaborate at any available opportunity. Furthermore, it is the intention to participate pro-actively in the 2019 World Water Week to further showcase the work that Cape Town has done in working through the drought.

## 7. IMPLICATIONS

7.1	Constitutional and Policy Implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
7.2	Environmental implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
7.3	Financial Implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
7.4	Legal Implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
7.5	Staff Implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
7.6	Risk Implications	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>

## 8. RECOMMENDATIONS

Recommended that:

- a) the feedback report on the trip to participate in Stockholm International Water Institute's "2018 World Water Week" undertaken by Gisela Kaiser on 26-31 August 2018 **be noted**.

### AANBEVELINGS

Aanbeveel dat:

- a) daar **kennis geneem word** van die terugvoeringsverslag oor Gisela Kaiser se reis om aan die Internasionale Waterinstituut se 2018-wêreldwaterweek in Stockholm van 26 – 31 Augustus 2018 deel te neem.

AD

**IZINDULULO**

Kundululwe ukuba:

a) Makuqwalaselwe ingxelo emalunga nohambo engenjongo yokuthabatha inxaxheba "kwiVeki yeHlabathi engezaManzi ngo-2018" kwiZiko lezaManzi leZizwe elise-Stockholm, oluthatyathwe/olwenziwe ngu-Gisela Kaiser ukususela ngowama-26 ukuya kowama-31 kweyeThupha 2018.

**9. GENERAL DISCUSSION**

Details of participation is included as Annexure A.

**10. ANNEXURE A: Details of participation****FOR FURTHER DETAILS, CONTACT:**

DATE			
NAME	Dr Gisela Kaiser	CONTACT NUMBER	(021) 400-2500
E-MAIL ADDRESS	gisela.kaiser@capetown.gov.za		
DIRECTORATE	ISWWS	FILE REF No	gk/siwi2018
SIGNATURE :			

COMMENT:

  
EXECUTIVE DIRECTOR

NAME GISELA KAISER

DATE 14 SEPTEMBER 2018

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**MANAGER: INTERNATIONAL RELATIONS**  
DR. DENVER VAN SCHALKWYK

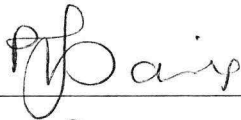
COMMENT:

ACTIONS NOTED

DATE

14/09/2018

☐ REPORT COMPLIANT WITH THE PROVISIONS OF COUNCIL'S DELEGATIONS, POLICIES, BY-LAWS AND ALL LEGISLATION RELATING TO THE MATTER UNDER CONSIDERATION.



**LEGAL COMPLIANCE**

☐ NON-COMPLIANT

COMMENT:

NAME


Patricia Davis

TEL

400-1549

DATE

17.09.2018

For information. 



CITY MANAGER

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☒ SUPPORTED FOR ONWARD SUBMISSION  
TO MAYCO ☒ SECTION 79 OR 80  
COMMITTEES ☒

☐ NOT SUPPORTED

☐ REFERRED BACK

DATE 2018 -09- 19

COMMENT:

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## Annexure A: Details of SIWI session participation

### 01 PRINCIPLES ON FINANCING AND INVESTING FOR WATER-RELATED DRR

This was a closed session, attended on invitation on behalf of the High Level Experts and Leaders Panel on Water and Disasters (HELP), to discuss the Principles on Financing and Investing for water-related DRR at 13:30-15:30 on Sunday, August 26 in Stockholm. It was a meeting of invited experts participating in the Stockholm World Water Week, to discuss the draft Principles on Investment and Financing for Water-related Disaster Risk Reduction.

*The conversation was focussed on flooding rather than drought but then committed to include drought as well in its instruments. Further, it was agreed that the language would be simplified. SIWI would circulate changes to those in attendance to further participate.*

### 02 ECOSYSTEMS IN AN URBANISING WORLD: CHALLENGES AND OPPORTUNITIES FOR SYMBIOSIS

In 2014, 54% of the world's population lived in cities – a proportion that is expected to rise to 70% by 2050. Urbanization pose serious challenges to ecosystem health and human well-being. Traditional approaches have proven insufficient in response to these major demographic trends. In times of uncertainty and increasing vulnerability, the development of an urban ecosystem approach is crucial. Beyond Integrated Urban Water Management (IUWM), another way to achieve sustainable urban development can be working with nature to comprehensively reshape and retrofit urban areas. Thus, it is critical to reframe urban design and governance as part of an urban ecosystem. This has the potential to fully harness the vital urban contribution to sustainable development, improve human well-being, and foster resilience.

In this session, a panel of experts explored the political boundary conditions to reconciling urban development and ecosystems. The aim is to set out a vision for the road ahead, linking to the SDGs and New Urban Agenda. The panel reflected on synergies and trade-offs presented and also touched upon future possibilities for city-to-city learning.

16:00 Opening remarks, recalling key messages from previous sessions  
Francois Brikké, GWP

16:10 Input statement on integrated infrastructure management  
Steven Loiselle, Earthwatch

16:20 Sofa discussion

- Fred Boltz, Rockefeller Foundation
- Celestine Ketcha Courtes, Network of Local Women in Africa
- Jean-Didier Berthault, Greater Paris Sanitation Authority
- Gisela Kaiser, City of Cape Town (tbc)
- Hu Chaingwei, Institute of Water Resources and Hydropower (tbc)

### 03 MASTERING DISASTER IN THE ANTHROPOCENE: RECONCILING DRR AND CLIMATE FRAMEWORKS

Disaster Risk Reduction (DRR) policies and actions have made significant progress to ensure early warning, effective risk assessment for extreme events, and coordinated response and recovery processes. The climate adaptation community has also shown progress in identifying novel and emerging threats, as well as the systemic social-ecological interventions necessary to address and reduce long-term risks. Nevertheless, while important work has already been done to connect these agendas in theory, in practice the global bodies of policy (UNISDR and the UNFCCC) and local and regional communities of practice (DRR and climate adaptation) remain largely divided. How do we ensure that DRR policies and institutions can respond to projected climate threats, which will likely require integrated land and water management shifts across large spatial and temporal scales? How can we encourage the UNFCCC and NDC framework to harness disaster preparation and recovery efforts as a mechanism for ensuring long-term adaptation and resilience? This interactive session aims to demonstrate innovative ways that water, which profoundly affects and is affected by climate change and extreme events, can serve as an effective and necessary bridge between the two, aligning both policy and practice at the local and global levels.



## Annexure A: Details of SIWI session participation

16:00 Welcome: Taeko Yokota, Office of UNSG's Special Envoy for Disaster Risk Reduction and Water  
Opening remarks: H.E. Tian Xuebin, Vice Minister, Ministry of Water Resources, People's Republic of China; Benedito Braga, President, World Water Council

16:15 Framing and context for the discussion: Susanne Dorasil, Head of Water, Urban Development, Mobility, BMZ and Paula Kehoe, Director of Water Resources, San Francisco Public Utilities Commission

Moderator: Diego Rodriguez, Senior Water Resources Management Specialist, The World Bank  
Rapporteur: Ingrid Timboe, Alliance for Global Water Adaptation (AGWA)

### Panelists:

- Kathleen Dominique, Environmental Economist, OECD
- Gisela Kaiser, Executive Director, Water and Sanitation, Cape Town
- Jonathan Cook, Senior Climate Change Adaptation Specialist, USAID
- Kenzo Hiroki, UN High Level Experts and Leaders Panel on Water and Disasters (HELP) Coordinator
- Alastair Morrison, Senior Water Specialist, Green Climate Fund
- Paul Fleming, Water Program Manager, Environmental Sustainability Program, Microsoft

17:25 Wrap Up / Closing Remarks: Robert Kranefeld, Junior Advisor, Sustainable Water Policy, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

## 04 CREATING PEACE THROUGH THE NEXUS PERSPECTIVE

In many regions, dwindling water and land resources endanger the livelihoods of the population. Often, poor land and water governance and management – such as a lack of transparent, agreed, and 'fair' access rights – multiplies the negative effects of increased variability. As water becomes less predictable, competition among resource users over the perceived benefits of different uses becomes fiercer. Applying the Nexus perspective can identify future and mitigate existing conflicts from intensifying in water-stressed regions by providing a base for dialogue and aid in assessing underlying drivers (incl. governance and resource demands) and solutions to ameliorate resource competition thereby reducing political instability and migration. This event discusses how an integrated perspective on water, land and energy resources (and their interdependencies) can reduce competition over these resources. Specifically, it examines the numerous triggers for conflict over resources on a local level as well as how an integrated perspective helps to reconcile the interests of farmers, fishers, pastoralists, and reservoir operators. After two short keynotes, participants join different round tables, each of which discusses a particular driver of conflict connected to water, land and energy resource competition, as well as the types of activities that could help foster mutually beneficial.

09:00 – 09:05 Welcome Remarks – Water Management as a Challenge for Diplomacy (Mike Enskat, GIZ)

09:05 – 09:10 Keynote I: Water resources challenges as a global security challenge – Perspectives from the security community (Martina Klimes, SIWI)

09:10 – 09:15 Keynote II: Water resources management as a response to global security challenges (Charles Iceland, WRI)

09:20 – 10:10 Roundtable Discussions

Roundtable I: Water resources and food insecurity – what are typical pathways of fueling and mitigating or overcoming conflict? (Julia Dreher, Federal Foreign Office, Germany)

Roundtable II: Water resources and energy insecurity – what are typical pathways of fueling and mitigating or overcoming conflict? (Mike Enskat, GIZ)

## Annexure A: Details of SIWI session participation

Roundtable III: Water resources and ecosystem services – what are typical pathways of fueling and mitigating or overcoming conflict? (Eben Chonguica, OKACOM)

Roundtable IV: Water resources and water scarcity – what are typical pathways of fueling and mitigating or overcoming conflict? (Gisela Kaiser, City of Cape Town, South Africa)

10:10 – 10:25 Reporting back & reflections: The way ahead – Overcoming security challenges through managing water, energy and food security in an integrated manner (Benjamin Pohl, adelphi and Susanne Schmeier, IHE Delft)

### 05 CEO FORUM 'Public water resource management - how can the private sector help?'

There is growing consensus that the adoption of more integrated approaches to managing and allocating water resources is fundamental to achieving water security (SDG 6 Synthesis Report 2018). The concept of integrated water resources management (IWRM) is embedded in the 2030 Agenda (target 6.5) and encompasses the:

- enabling environment for integration (including water laws, policies and basin plans);
- need for a strong institutional framework (including public participation and robust basin institutions);
- need for management instruments for effectively managing water resources (including water resource data and monitoring); and
- financing requirements for water resources development and management.

The session, convened by the UN Global Compacts CEO Water Mandate included:

- Ali Subah, Secretary General, Ministry of Water and Irrigation, Government of Jordan
- Monika Weber-Fahr, Executive Secretary, Global Water Partnership
- Paul Reig, Senior Manager, Aqueduct and Corporate Engagement, World Resource Institute
- Paul Fleming, Global Water Program Manager, Microsoft
- Jehanne Angelina Rune Fabre, Global Water Stewardship PMO, Danone
- Hakan Tropp, Head - Water Governance Programme, OECD

### 06 SIWI SOFA - GOVERNANCE OF RESILIENT WATER SYSTEMS

Over the past 10 years, growing appreciation of the diversity and scale of urban hazards, the complexity of cities, and the uncertainty associated with climate change and rapid urbanization has emphasized the importance of moving beyond risk management to building resilience.

This project is an opportunity to enable more resilience and inclusive water governance by providing a framework and associated tools that encourages stakeholders to come together; assess their resilience and develop an action plan to improve their long term resilience.

This project has been developed in partnership with The Resilience Shift, Arup and SIWI and a steering group including The Rockefeller Foundation, 100 Resilient Cities, The World Bank, the University of Massachusetts Amherst, and the Alliance for Global Water Adaptation (AGWA). The project was developed in collaboration with the cities of Cape Town, Amman, Hull, Greater Miami and the Beaches, Mexico City, Greater Manchester, Thessaloniki and Rotterdam.

The SIWI Sofa discussion included Fred Boltz (CEO at Resolute Development Solutions), Dr Gisela Kaiser (Executive Director at the City of Cape Town), Eduardo Vazquez Herrera (Executive Director at Agua Capital) and Louise Ellis (Senior Water Engineer at Arup).

### 07 BUILDING A RESILIENT FUTURE THROUGH WATER

In 2018, several global agendas will focus on water and ecosystems at large. The UN-HLPF will address progress for SDG6 (water, and, sanitation) and other goals (energy, cities, sustainable consumption and production, ecosystems). The HLPF will present its concluding report at WWF8th and UNGA. CBD

## Annexure A: Details of SIWI session participation

COP14, Ramsar COP13 and UNFCCC COP24 will cover key water issues. UN members eagerly seek the engagement of non-state multi-stakeholder groups to support the implementation of these global agendas.

World Water Week has become an agenda setter for annual stocktaking on water-related development goals. It is a pivotal moment when synergies between the global agendas can be identified and acted upon to foster coherent and efficient implementation by convening high-level government representatives, UN and multilateral institutions, civil society, academia, and the private sector.

For three years, SIWI has brokered a multi-stakeholder group and organized a two-part high-level session to exchange knowledge, enhance partnership and action and take stock on water-related progress of the 2030 Agenda and the Paris Climate Agreement. This year's edition is co-sponsored by The Rockefeller Foundation and The Resilience Shift. It will highlight how addressing these agendas through water lens can make them more effective, efficient, sustainable and attainable.

11:00 Introduction – Mr. Torgny Holmgren, Executive Director, SIWI welcomes and presents Dr. Fred Boltz, CEO, Resolute Development Solutions and Ambassador, The Resilience Shift

11:10 Once upon a time tomorrow: from Architecture to Photography, a different lens on our society and ecosystem symbiosis - M. Chris Morin-Eitner, Photographer

11:20 Key note speaker - From the Global Agenda to Cities' action - Ms. Lauren Sorkin, Asia Pacific Regional Director, 100 Resilient Cities

11:30 Supporting the implementation of the Global agendas at a city level - Panel Discussion and Q&A - Moderated by Dr. Mark Fletcher, Global Water Director, ARUP

Mayor Katarina Luhr, Vice Mayor of Stockholm City

M. Jean-Didier Berthault, Vice President of Greater Paris sanitation Authority (SIAAP) and Greater Paris Metropolitan Councillor

Dr Gisela Kaiser, Executive Director of Water and Sanitation, City of Cape Town, South Africa

Mr. Eduardo Vazquez Herrera, Executive Director, Agua Capital, Mexico CitySC

Ms. Jennifer Sara, Director, Global water Practice, World Bank Group

Ms. Alexa Bruce, Project Manager, City Water Resilience Framework, Arup

### 08 WATER RESILIENCE DESIGN AND EXECUTION: THE STATE OF THE ART

The Resilience Shift\* features a showcase of advances in resilience and complex systems theory, hydrosystems engineering, urban systems planning, and water governance and human dimensions of water management. Leading water resilience scientists and practitioners will present their current work on water systems resilience design for urban systems, basins, and transboundary water sources. The moderated, interactive session will feature advances in planning and decision support tools, resilience diagnosis and design approaches, and applied work in representative cities and basins of Africa, the Middle East, Europe, and the Americas. The showcase will preview scientific research forming a special issue of the journal Water Security: "Water is the Master Variable: Solving for Resilience in the Modern Era".

\*The Resilience Shift is a global initiative led by Arup with the support of the Lloyd's Register Foundation, which aims to catalyse resilience within and between critical infrastructure sectors. Partners in the showcase include Arup, the Global Water Partnership, Resolute Development Solutions, SIWI, the University of Massachusetts-Amherst, the World Bank, and the World Economic Forum.

16:00-16:10 Water Resilience Design and Execution: the State of the Art  
Dr. Fred Boltz, Resolute Development Solutions and The Resilience Shift

16:10-16:22 City-Source Interdependencies and Water Resilience: Mexico City and the Valley of Mexico

**Annexure A: Details of SIWI session participation**

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Sarah Freeman, University of Massachusetts, Amherst

16:22-16:34 Urban Systems Planning through a Water Lens: the City Water Resilience Framework  
Alexa Bruce, ARUP

16:34-16:46 City Water Resilience in Practice  
Dr. Gisela Kaiser, City of Cape Town, South Africa

16:46-16:58 Designing for Resilience in Transboundary Waters  
Anjali Lohani, Global Water Partnership

16:58-17:10 Decision Support Tools and Technologies for Urban Water Resilience  
Glen Low, Earth Genome and World Economic Forum 4IR Urban Water Initiative

17:10-17:30 Interactive Discussion with the Audience: Practicing the State of the Art