



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

REPORT TO: THE EXECUTIVE MAYOR AND MEMBERS OF THE MAYORAL COMMITTEE
CORPORATE SERVICES PORTFOLIO COMMITTEE

LC21517

1. ITEM NUMBER
2. SUBJECT

FEEDBACK ON THE INTERNATIONAL TRIP UNDERTAKEN FROM 22 TO 26 OCTOBER 2018 TO ATTEND THE 100 RESILIENT CITIES DATA COLAB AND MEETINGS WITH THE 100 RESILIENT CITIES (100RC) SUBJECT MATTER ADVISORS IN NEW YORK CITY, USA : EXECUTIVE DIRECTOR: CORPORATE SERVICES AND CHIEF RESILIENCE OFFICER, MR C KESSON

ONDERWERP

TERUGVOERING OOR DIE INTERNASIONELE REIS ONDERNEEM VAN 22 TOT 26 OKTOBER 2018 OM DIE 100 RESILIENT CITIES DATA COLAB EN VERGADERINGS MET ONDERWERPADVISEURS WAT BETREF 100 RESILIENT CITIES (100RC) IN NEW YORK, VSA, BY TE WOON: UITVOERENDE DIREKTEUR: KORPORATIEWE DIENSTE EN HOOFVEERKRAFTIGHEIDSBEAMPT, MNR. C. KESSON

ISIHLOKO

INGXELO EMALUNGA NOHAMBO KUMAZWE APHESHEYA EQHUTYWE UKUSUSELA NGOWAMA-22 UKUYA KOWAMA-26 KWEYEDWARHA 2018 UKUZIMASA INKOMFA ENGEZIXEKO EZILUQILIMA EZILI-100 ENGE-DATA COLAB NEENTLANGANISO EZINGEZIXEKO EZILI-100 EZILUQILIMA (100RC) UMBANDELA OPHAMBILI ONGEZABACEBISI, ESE- NEW YORK CITY, E-USA: UMLAWULI WESIGQEBA KWIINKONZO ZEZIKO NOLIGOSA ELIYINTLOKO KWEZOBULILIMA, UMNU C KESSON

[LSU K2142]

3. EVENT SUMMARY

EVENT DETAILS	
CONFERENCE/SEMINAR	100 Resilient Cities Data CoLab, "Harnessing the Power of Data to Catalyse Urban Resilience" and meetings with 100RC subject matter advisors
OTHER	Strategic interational co-operation through knowledge sharing and debate to find practical, implementable solutions to the challenges and opportunities of data for cities.
DATE	22 – 26 October 2018
VENUE	Department of Information Technology and Telecommunications: 15 MetroTech Centre, Brooklyn, New York
CITY	New York
COUNTRY	USA

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
Craig Kesson	EXECUTIVE DIRECTOR: CORPORATE SERVICES AND CHIEF RESILIENCE OFFICER
PROVIDE SUMMARY OF HOST ORGANISATION / CITY	
<p>On October 22-24 2018, 100RC – Pioneered by the Rockefeller Foundation, partnered with the City of New York to host a Data Platform and Exchange CoLab to bring together 100RC cities, partners and subject matter experts to provide recommendations to the City on how to design, develop and deploy an enterprise-wide data platform and to fully harness the power of data to mitigate shocks and stressed and build city resilience.</p> <p>A primary goal of the CoLab is to create a high-level scope and architecture for a citywide data platform and data exchange, develop a sustainable business model, estimate a project cost and create a funding plan for the capital and operating costs.</p>	

4. OBJECTIVE

The 21st century has brought a new range of urban challenges, compelling cities to become more resilient to the shocks and stresses which they face. Data in all its components – collection, analysis, integration, and publication – forms an integral component of resilience building efforts and of decision making on the whole. To explore this further, the City of Cape Town recently participated in a 'CoLab' hosted by New York City in partnership with 100 RC.

5. OUTCOMES

A shared platform for navigating and using city data that can be adapted for use in cities worldwide. One of the key outcomes that we will be implementing in Cape Town is a risk-based audit of legacy (or outdated) data systems that rapidly need to modernize – the failure of which would severely compromise city operations. By quantifying the risk of system collapse, these audits would be creating a business case for data modernization

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

6. ACTIONS REQUIRED

The City of Cape Town has prioritized the use of data in our city management structures, confronting the realities of dynamic conditions of informality in the developing world. As we head ever further into this new era, building resilience will mean adapting to changing conditions and that the actions we implement are to the benefit of all Capetonians.

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 type="checkbox"/> | Yes <input checked="" type="checkbox"/> |

Risk implications are to mitigate data and cyber related risks.



8. RECOMMENDATIONS

Recommended that:

The feedback report on the trip to attend the 100RCs Data CoLab and meetings with 100RC subject matter advisors in New York City, USA undertaken by the Executive Director: Corporate Services and Chief Resilience Officer, Mr C Kesson from 22 to 26 October 2018 be noted.

AANBEVELING

Aanbeveel dat:

Daar kennis geneem word van die terugvoerverslag oor die reis om die 100RCs Data CoLab en vergaderings met 100RC-onderwerpadviseurs in New York, VSA by te woon deur die Uitvoerende Direkteur: Korporatiewe Dienste en Hoofveerkragtigheidsbeampte, Mnr C Kesson, van 22 tot 26 Oktober 2018.

ISINDULULO

Kundululwe ukuba:

Makuqwalaselwe ingxelo engohambo lwaphesheya ukuzimasa inkomfa i-100RCs Data CoLab neentlanganiso kunye ne-100RC apho umbandela ophambili ongezabacebisi, ese- in New York City, USA eqhutywe nguMlawuli weSigqeba kwiiNkonzo zoLuntu noliGosa eliyiNtloko kwezoBuqilima uMnu C Kesson ukususela kowama-22 ukuya kowama-26 kweyeDwarha 2018.

9. GENERAL DISCUSSION

Shocks and Stresses: Challenges to Urban Resilience

Urban resilience can be defined as the capacity of a city and its systems to survive, adapt, and grow no matter what kinds of chronic stresses or acute shocks they experience. Shocks can be seen as emergencies or disasters that happen over a short space of time but have a dramatic and sudden impact, such as a fire. Stresses are longer term pressures placing a strain on societies, like a long-term drought. The combination of these create complex conditions for cities to operate in at the level of government, business, civil society, academia, or of individuals and families.

Navigating this complexity is part of the resilience challenge. Cities do not need to merely learn how to respond to shocks and stresses; they need to know and understand how to adapt effectively to anticipated risks and seek out the potential for maximizing benefits in their responses. It is not, for example, a separate exercise to plan for an emergency response to fires and to build separate waterways for water extraction in drought conditions; rather, a resilience dividend could be created if infrastructure departments plan for better roads that allow for both emergency fire vehicle access and effective water management.

Building Resilience in the Age of Data

The City of Cape Town's journey to become more resilient began over two years ago. We have partnered with 100 Resilient Cities, a global network of cities who are pioneering this new approach to the future. With their guidance, Cape Town's resilience team has engaged with thousands of stakeholders in pinpointing our resilience challenges; they range from those we might have expected, from social cohesion to unemployment, to those we did not expect, like social trauma and cyber-attack. Underpinning all of these is a common theme of needing more data and of better quality.

In 2018, it is almost trite to say that data is changing the way that we live our lives, interact with each other, and define what it means to have individual privacy. Decades in the making, these changes have accelerated in recent years thanks to advances in technology and computing that have unlocked the capabilities of data in new ways. Using the predictive power of data, we can model challenges crossing municipal and national boundaries, like the dramatic consequences of climate change by 2050 and the dire risks of inaction.

New technologies are just as valuable in city management. Thanks to the Internet of Things, motion sensors at traffic lights can monitor and regulate traffic. Imagery from drones can provide live footage of movement patterns across the urban form of the city, informing future spatial planning decisions. All of these data sets are useful in and of themselves and can be used to enhance management techniques. But by combining them and applying deep analytical rigour to their interconnections, we can create a much richer picture of the city and its complexities – ultimately serving to help city decision-makers, and citizens, understand the dynamics of their urban spaces better.

The potential for data as an empowering tool was a theme at the recent CoLab held at New York City's data and IT hub in Brooklyn. It brought together representatives from all over the world, including San Francisco, New York, Greater Manchester, and Cape Town to share our experiences and insights into the transformative potential of data.

By the end of the experience, we had created a shared platform for navigating and using city data that can be adapted for use in cities worldwide. One of the key outcomes that we will be implementing in Cape Town is a risk-based audit of legacy (or outdated) data systems that rapidly need to modernize – the failure of which would severely compromise city operations. By quantifying the risk of system collapse, these audits would be creating a business case for data modernization.

The City of Cape Town has prioritized the use of data in our city management structures, confronting the realities of dynamic conditions of informality in the developing world. As we head ever further into this new era, building resilience will mean adapting to changing conditions and that the actions we implement are to the benefit of all Capetonians.



FOR FURTHER DETAILS, CONTACT:

NAME	Craig Kesson	CONTACT NUMBER	400-7428
E-MAIL ADDRESS	Craig.Kesson@capetown.gov.za		
DIRECTORATE	Corporate Services		

COMMENT:


EXECUTIVE DIRECTOR : CORPORATE SERVICES

CRAIG KESSON

NAME

DATE

Craig Kesson.
19 November 2018.

COMMENT:

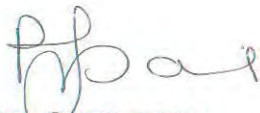

MANAGER: INTERNATIONAL RELATIONS

DR. DENVER VAN SCHALKWYK

DATE

20/11/2018






LEGAL COMPLIANCE

NAME Patricia Davis
TEL (021) 400-1549
DATE 26.11.2018

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

☐ NON-COMPLIANT

COMMENT:

For information 



CITY MANAGER

Lungelo Mbandazwe

27 NOV 2018

DATE

City Manager

☒ SUPPORTED FOR ONWARD SUBMISSION TO:

MAYCO ☒

RELEVANT SECTION 79 OR 80 COMMITTEE ☒

☐ NOT SUPPORTED

☐ REFERRED BACK

COMMENT: