

create dare to dream change
transform
Kisumu innovate
establish foundations



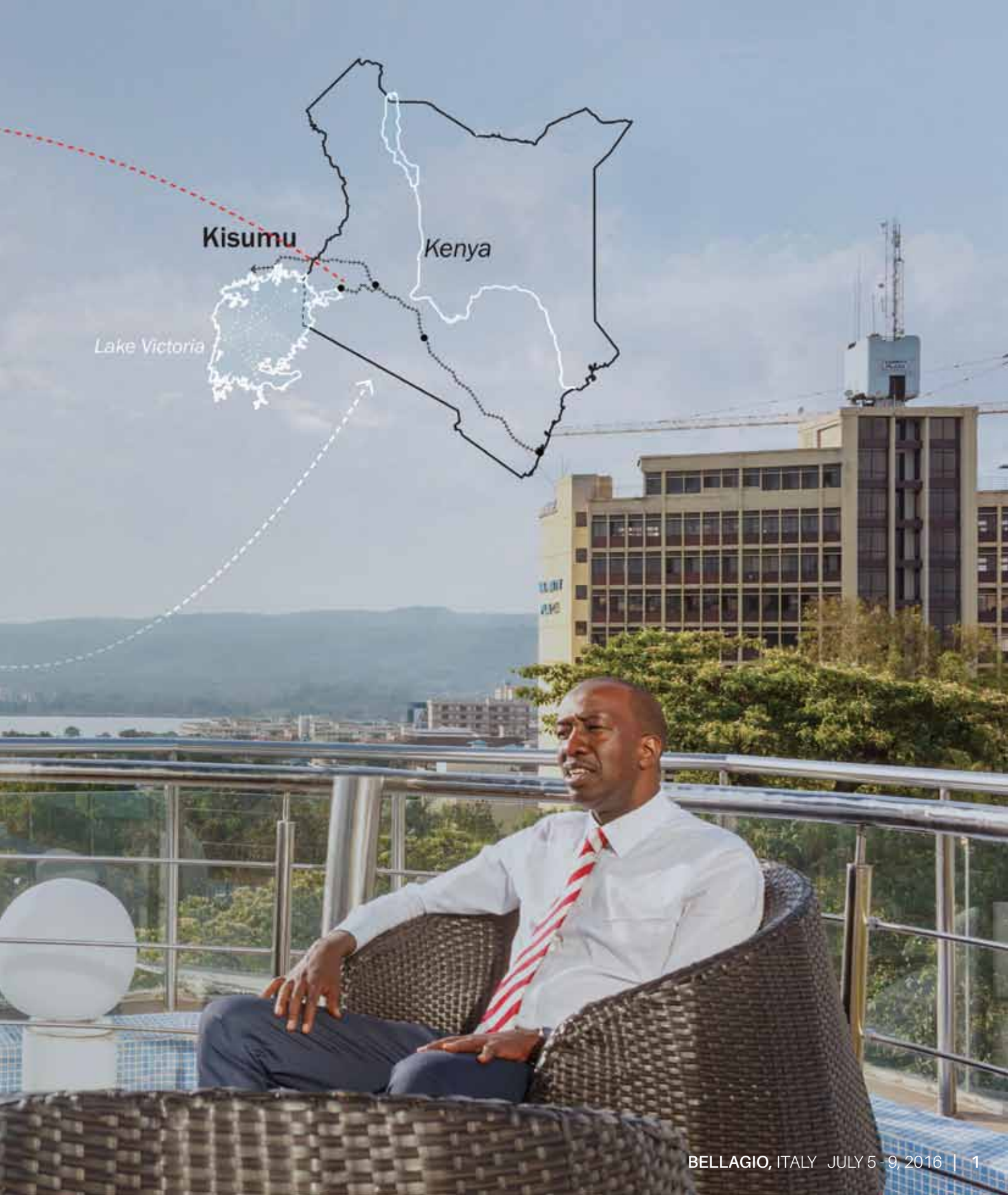
Enabling Technologies for Smart Cities and Resilient Economies

5th – 9th July, 2016

Rockefeller Foundation, Bellagio Center, Italy

With support from
**THE
ROCKEFELLER
FOUNDATION**





Kisumu

Kenya

Lake Victoria

Message from the Governor

Dear Friends and Citizens of Kisumu,

On behalf of the County of Kisumu, Kenya, I warmly welcome you to the *“Transforming Kisumu: Enabling Technologies for Smart Cities and Resilient Economies”* conference at the Rockefeller Foundation’s Bellagio Center, Italy. This is an important opportunity for us to confer with you, as leading thinkers from around the world, to seek your support as we develop a strategic vision plan for the county, which offers innovative solutions for the intractable development challenges faced by our people.

When I took office as Governor of Kisumu, I recognized that despite the severe economic and social challenges faced by our people, Kisumu still has an indelible mark on the national consciousness as a place of enormous potential, with rich natural capital provided by Lake Victoria and a dynamic youthful population. I believe we are now better able to move away from historic political tensions, which previously skewed allocation of national resources, because Kisumu is well loved by Kenyans who have embraced our vision for transformation.

My vision for Kisumu has always been to build a strong, resilient economy which creates jobs, and delivers efficient basic services, whilst bearing in mind our environmental responsibilities and commitment to sustainable development and inclusive economic growth.

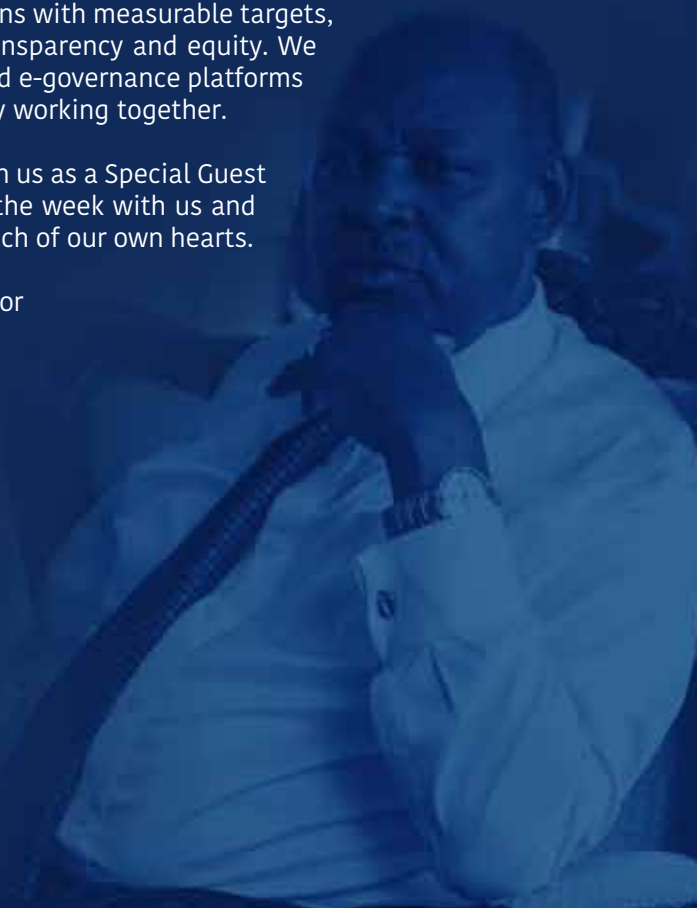
However, we recognize that technology is a critical enabler that will help make our vision a reality. That is why we have positioned Kisumu city to become the first “Smart City” in Kenya, by providing the fastest, most reliable, most secure and most affordable broadband across Africa.

Today Kisumu is the third largest and one of the fastest growing cities in Kenya. We hope this meeting will give many new ideas and one year action plans with measurable targets, that will help us plan for growth, in a way that promotes transparency and equity. We have already launched several open government initiatives and e-governance platforms because we recognize that we can only achieve our dreams by working together.

The Right. Honorable Raila Odinga has graciously agreed to join us as a Special Guest and Critical Friend. We appreciate his commitment to spend the week with us and to be part of this transformation process, which starts from each of our own hearts.

I want to thank Dr Sheila Ochugboju, the Global Ambassador for Transformative Science and Urban Resilience who applied for this grant on behalf of Kisumu County and Hon. Michael Onyango, County Minister for Communication , Information and Technology, who worked tirelessly to help organize the meeting.

We are grateful to The Rockefeller Foundation for their generous grant to support our meeting in this beautiful center by Lake Cuomo, which inspires us to imagine the possibilities of a city by the lake. As we engage in these conversations to shape the future trajectory of Kisumu, let’s bear in mind the words of a Late Great Kenyan Hero - Tom Mboya, **“I have news for you, there is no superman (it’s up to us).”**



About this event

His Excellency Jackton Ranguma, the Governor of Kisumu, seeks to convene a group of 19 (nineteen) leading thinkers from around the world, at the Rockefeller Foundation's Bellagio Center, to explore strategies for *"Transforming Kisumu: Enabling Technologies for Smart Cities and Resilient Economies"*. Together this dynamic group of international and national change agents will synthesize the myriad of existing development plans within a grander over-arching county-wide vision, that strategically situates the driving force of the city of Kisumu within the wider needs of the county.

This is an important time for such an intervention, as the next elections in Kenya will take place in 2017. By seizing the momentum already provided by the Governor in his first term, the conference seeks to unearth the most innovative ideas, which offer solutions for intractable development challenges faced by the county. The Kisumu Transformation Meeting at Bellagio, could therefore become a significant milestone in the modernizing agenda for this new county, the Great Lakes Region and beyond.



Background

Kisumu County is one of the newly devolved counties of Kenya, with a population of 1.3 million over a land mass of 2085.9 km². This dynamic new county was built on centuries old communities, who came together through diverse networks of trade and commerce. The people from Nandi, Kalenjin, Abagusii, Maasai, Luo and Abaluhya communities would regularly converge at the tip of Lake Victoria and called the place “sumo” which literally means “a place of barter trade”. The Luo called it “Kisumo” meaning “a place to look for food” such that the Luo would say “I am going “Kisuma”.

Kisumu was part of the Nyanza Province, was one of Kenya’s six administrative provinces (Siaya, Migori, Homa Bay, Kisii, Kisumu and Nyamira) before the formation of the 47 counties under the 2010 constitution of Kenya. The county has rich natural endowments such as Lake Victoria and a fertile agricultural hinterland, which gave rise to a thriving economy that provided jobs in the fishing industry and from large-scale production of molasses, cotton, rice and sugar. However, like many urban areas in Kenya though, Kisumu’s economic potential diminished during the national economic decline of the 1980s and 1990s. The recession led to the closure of some industries, the virtual collapse of sugar production due to cheap import substitutes and the deterioration of the railways due to lack of investment.

Kisumu’s status as an opposition stronghold further hastened the decline of the city’s economy, as political elites blocked development plans or diverted resources, resulting in high rates of poverty. Food insecurity, the growth of slums and the high prevalence of HIV/AIDS became key concerns. However, during its centenary celebrations in 2001, when Kisumu was declared a city, there was a resurgence of political will to strengthen regional ties across the Nyanza province and with neighbouring countries Uganda, Tanzania, Burundi, Rwanda and the Democratic Republic of Congo.

In 2006, the United Nations declared Kisumu the first UN Millennium City in the world, partly because a number of ambitious development strategies were in place, and also because of its considerable economic potential as well as its status as an emerging urban hub in the region.

The advent of devolution in 2011, presented another opportunity for the city to redefine itself, control its own resources and make better strategic decisions about the future development of the city. The first and current governor of Kisumu County is Jackton Ranguma, deputised by Ruth Odinga, sister to the former Prime Minister Raila Odinga. A new dynamism and commitment to build on the strong foundations of trade and commerce are now visible in Kisumu. The “Integrated Strategic Urban Development [ISUD] Plan, (2013-2030)” has already identified the

Lakefront Area as a key asset for the city and proposed its development as an extension of the Central Business District (CBD). It is now positioned to become a preferred tourist destination locally and internationally as part of the Lake Region Economic Blueprint (LREB), in partnership with 12 neighbouring counties. This will expand employment opportunities for the many young people currently jobless in the area, providing employment in the formal and informal sector.

The new government has therefore been considering ways to build adaptive ecosystems that will support the growth of resilient economies and encourage smart livelihoods options. The starting point within the next two years is to make Kisumu a Smart City by providing the fastest, most reliable, most secure and most affordable broadband across Africa. Within the same time, Kisumu has a vision to rapidly to enhance the digital literacy of young people, by ensuring that the largest numbers of computer coders in Africa reside in Kisumu county. This will complement and ably resource the investment in internet penetration, it will also offer new opportunities to young people who are currently unemployed or engaged in insecure informal businesses, such as motorbike taxi drivers or street hawkers.

The plan is premised on the assumption that increased connectivity leads to increased productivity. This is based on the conclusions from recent studies by development partners, such as the European Commission, who estimated that by 2015, broadband would create more than two million jobs in Europe, with an increase of at least 636 billion euros to GDP. The World Bank also concluded that for developing countries, a 10% increase in broadband penetration leads to a 1.38% in GDP. By shifting the focus towards igniting and nurturing a new knowledge economy, the county is signalling that it is open for business to new sectors and attracting diverse new industries and entrepreneurs to the region. Kisumu already serves as the leading county in the region, with many international banks using the city as their regional headquarters.

The governor's leadership has brought the political will to form broad-based national and international connections, working with local private sectors partners, a range of international donors, agencies, NGOs and philanthropic organizations to support innovative ideas about transforming the city. Another layer of leadership to bring more expertise and expand supportive networks, has been the appointment of 9 Roving Ambassadors for the county with a diverse range of portfolios to assist county officials (See page 27).

About this event

Objectives

1. To explore ideas on how to create a Smart City in Kisumu by building “the fastest, most reliable, most secure and most affordable broadband across Africa.”
2. To engage leading thinkers from the public and private sector around the world, on ways of improving efficiency in the city through the use of enabling technologies.
3. To promote the well-being of all residents and build the resilient economies for communities across the county.

Expected Outputs

1. **A Kisumu Transformation Vision Plan:** This is an over-arching vision which synthesizes various county development plans and describes how the growing city of Kisumu will contribute to smarter, more resilient livelihood options.
1. **An Outline of Enabling Technologies:** This outline will describe how appropriate technologies can support transformation initiatives in the following sectors: governance, youth, health, job creation, environment and agriculture.
1. **A Public-Private Engagement Strategy:** This strategy will assess current capacity and areas of potential for further engagement with the private sector, leading to working partnerships with new investors in the transformation vision for the city.

Intended Outcomes

1. Kisumu has a clear inspirational narrative about the transformation of the county and a more specific understanding of how urban development of Kisumu city will support that vision.
2. A technology hub is launched in Kisumu with dedicated teams working towards development of enabling technologies in identified sectors.
3. New investments and partnerships are formed with the private sector, which underpin the future development of the Smart, Resilient City of Kisumu.

Methodology

The conference is designed to be highly interactive and participatory, we are delighted to have this unique opportunity to engage leading minds on crafting a big picture vision and outlining the path to realization for Kisumu.

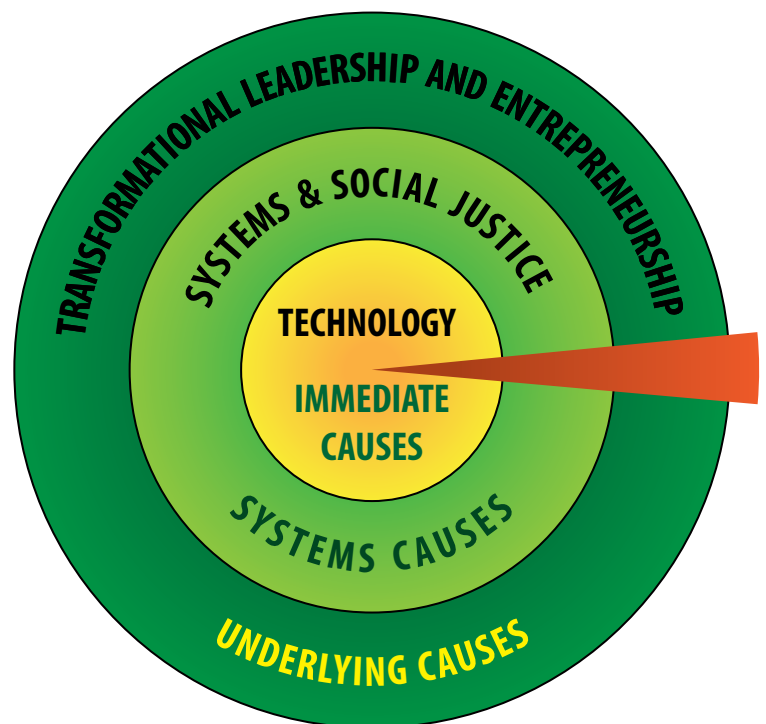
Three models for shaping futures in small group discussions will be used :

1. The Full Spectrum Transformational Leadership Model
2. The World Cafe Model for collaborative dialogue
3. Futures Thinking for Policy-makers

1. The Transformational Leadership Model

Dr Sheila Ochugboju will be leading on facilitation of the Full Spectrum Transformational Leadership Model (see above), pioneered by Dr Monica Sharma Director of Leadership and Capacity Development, at the United Nations. Dr Sharma is responsible for whole systems transformation and leadership development worldwide, with a focus on least developed countries.

This training model stresses the importance of recognizing and addressing the system before engaging in any projects or programmes. But every project should start from discovery of the self: when people discover the difference between their being and their action—that is a moment of enlightenment and the start of the journey towards full spectrum transformation.



2. The World Cafe Model

Drawing on seven integrated design principles, the World Café methodology is a simple, effective, and flexible format for hosting group dialogue. Based on the understanding that conversation is the core process that drives personal, business, and organizational life, the World Café is more than a method, a process, or technique – it's a way of thinking and being together sourced in a philosophy of conversational leadership.

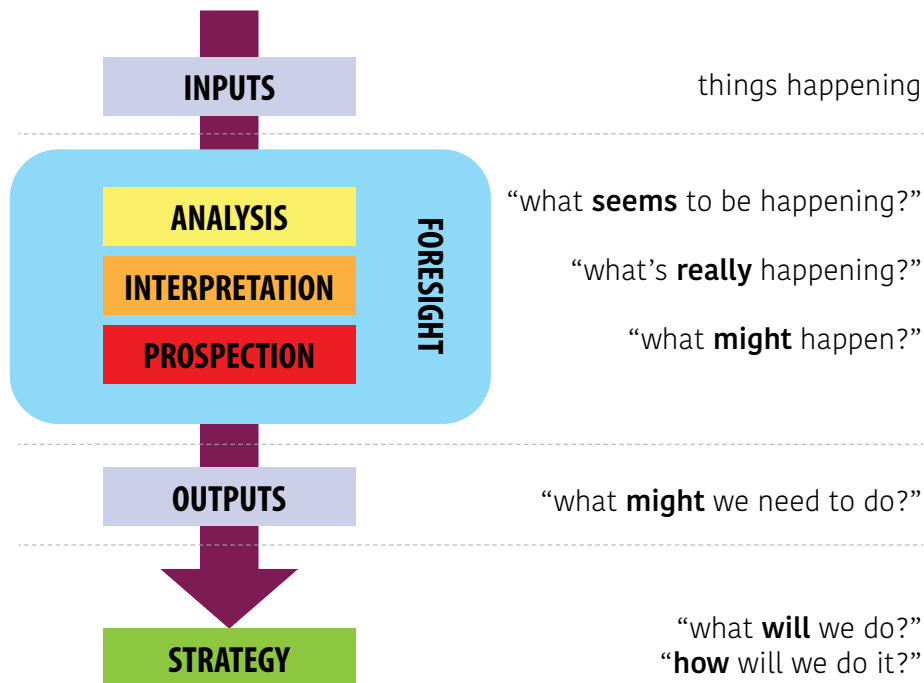
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3. Futures Thinking for Policy-makers

Futures analysis is a way of thinking about the long term issues and challenges associated with achieving a particular objective or to understand what a future operating environment may look like and how we may need to respond. It is difficult to think of a government policy that does not need to consider long-term uncertainty. The long lead-times associated with policy decisions mean that it is difficult to make informed decisions today without having given careful thought to their effects years and even decades ahead.

Futures analysis is not designed to predict the future nor is it intended to replace traditional forms of analysis (projections, modelling, etc). It allows policy officials to have structured conversations about uncertainty, and to take account of the impact this uncertainty has on their policy and delivery model design. There are five areas that the conference will focus upon in order to create sustainable systems changes



for Kisumu Technology: Job Creation, Health, Ecosystems Services & Agribusiness, Youth and Technology

Participants will be divided into groups prior to the conference according to their areas of expert skills. There will be one lead participant for each group of three or four. Together they will frame questions to discuss in the small group sessions.

SETTING THE STAGE DAY 1: Tuesday 5th July, 2016

- 12:00 – 3:00pm: Arrivals & Registration at Villa Frati
- 7:00 – 7:30pm: Cocktails
- 7:30 – 8:30pm: Dinner
- 8:30 – 9:30pm: Briefing Session for Presenters

SMART FUTURES Day 2: Wednesday 6th July, 2016

- 7:45 – 8:45am: Breakfast

Session 1: Chaired by Hon. Michael Onyango

- 9:00 – 9:30am: Our Vision for Transformation in Kisumu. H.E Governor Jack Ranguma
- 9:30 – 10:00am: Welcome Address. Rt. Hon. Raila Odinga
- 10:00 – 10:30am: Group Introductions, meeting objectives. Dr Sheila Ochugboju
- 10:30 – 11:00am: Coffee & Tea
- 11:00 – 11:30am: State of Kisumu County Today: an overview. Mr George Anyonga
- 11:30 – 11:45am: Full Spectrum Transformation Discussion. Dr Sheila Ochugboju
- 11:45 – 1:00pm: Group Discussion on Transformational Leadership – examples and presentations
- 1:00 – 2:00pm: Lunch

Session 2: Chaired by Dr Sheila Ochugboju

- 2:00 – 2:15pm: Strategies for Resilience, an international perspective. Ms Elsie Attafuah,
- 2:15 – 2:30pm: Planning for Resilient Healthcare Systems. Dr Ebere Okereke
- 2:30 – 3:00pm: The Role of Big Data and Technology in Building for Resilience. Ms Rose Shuman & Mita Paramita
- 3:00 – 3:15pm: Transformative Innovations for Healthcare. Mr Myke Rabar
- 3:15 – 3:45pm: Ecosystems for growth. Dr Musonda Mumba
- 3:15 – 3:45pm: Coffee & Tea available

Session 3: Chaired by Hon. Michael Onyango

- 3:45 – 4:00pm: Ideas for youth empowerment and Job Creation. Mr Teddy Warria
- 4:00 – 4:15pm: Sports and community development in Kisumu. Mr Joseph Okelo
- 4:15 – 4:30pm: Agribusiness development ideas. Mr. Gem Khodek
- 4:30 – 4:45pm: Education for transformation. Prof. Stephen Agong Gaya
- 4:45 – 5:30pm: Group discussion, feedback and questions
- 5:30 – 6:30pm: Free Time
- 6:45 – 7:30pm: Cocktails
- 7:30 – 8:30pm: Dinner
- 8:30 – 10:00pm: Freetime

BUILDING FOR RESILIENCE Day 3: Thursday, 7th July, 2016

- 7:45 – 8:45am: Breakfast

Session 4: Chaired by Dr Sheila Ochugboju

- 9:00 – 9:30am: Review & Feedback from Day 2. Definitions & Examples of Resilience
- 9:30 – 9:45am: Designing Future Cities. Dr Arthur Minsat
- 9:45 – 11:15am: World Cafe Sessions
- 11:15 – 12:15am: Feedback from World Café Sessions
- 12:15 – 1:00pm: Preparation for afternoon excursion
- 1:00 – 2:00pm: Lunch

- 2:00 – 5:00pm: GROUP EXCURSION TO BELLAGIO TOWN & BOAT RIDE
- 6:00 – 6:30pm: Shuttle Bus or walk to Villa Serbelloni
- 6:30 – 7:00pm: Group photo sessions
- 7:00 – 7:30pm: Cocktails
- 7:30 – 8:30pm: Gala Dinner at Villa Serbelloni with the Rockefeller Foundation Scholars in Residence
- 8:30 – 9:30pm: Shuttle Bus or walk to back

VISION TO ACTION Day 4: Friday, 8th Friday, 2016

- 7:45 – 8:45am: Breakfast

Session 5: Chaired by Dr Sheila Ochugboju

- 9:00 – 9:30am: Review & Feedback from Day 3.
- 9:30 – 11:00am: Preparation for Presentation Sessions by 5 groups
- 11:00 – 11:30am: Coffee & Tea
- 11:30 – 12:30pm: Vision to Action – commitments, timetable and final feedback
- 12:30 – 1:00pm: Reflection Time
- 1:00 – 2:00pm: Lunch

Session 6: Chaired by Hon. Michael Onyango

- 2:00 – 4:00pm: Slideshow and Final Conference Presentation to H.E Rt. Hon. Raila Odinga.
- 4:00 – 5:00pm: Closing Session
- 5:00 – 6:30pm: Free Time
- 6:45 – 7:30pm: Cocktails
- 7:30 – 8:30pm: Dinner
- 8:30 – 10:00pm: Freetime

DEPARTURES Day 5: Friday, 9th Saturday, 2016

- 7:45 – 8:45am: Breakfast
- 9:00 – 12:00pm: DEPARTURES

Punctuality & Attendance at Meals: You are expected to attend all meals, which are served exactly on time. Please do not be late, our hosts have to cater for several conferences with a small number of staff. Should you be absent at lunch or dinner, please inform the Meeting Coordinator in advance.

Gala dinner – Thursday 7th July: This special gala dinner for our group has been kindly arranged by The Rockefeller Foundation, to join their Scholars in Residency, in order to foster an exchange of ideas across different disciplines and geographies. These are an extraordinary group of individuals from across the world, scholars, practitioners and artists, who come to the center for a month long residency to complete a special piece of work. They are chosen through a competitive process, which assesses projects that contribute to discourse and progress related to the goals of: i) advancing inclusive economies ii) building resilience. Applicants with innovative projects that may help shape thinking or catalyze action in these areas are chosen for this special award. Their list of names with affiliations will be provided before the dinner.

Transportation to the Villa for Gala Dinner: Our hosts will provide shuttle bus transportation up to the Villa (starting from 18.50) and back down to our villa, called Frati - after dinner. The last shuttle bus will leave the Villa at 21.30. After that time, you are free to stay longer at the Villa, but no shuttle bus will be available (walk down distance is just 5/10 minutes).

Discussion Themes: Technology

The over-arching theme of the conference is how to use technology is an enabler for creating smart cities. The key questions to be explored include:

- What is a smart city?
- Why does Kisumu need to be a smart City?
- How can technology help the county to develop more resilient economies?
- How does the vision to provide **the fastest, most reliable, most secure and most affordable broadband across Africa align with the bigger vision for Kisumu County?**

In our exploration of these questions, we will firstly examine the difference between appropriate technology and enabling technologies. What examples of either or both do we have that can be applied to the transformation vision for Kisumu County?



Fibre optic cables being laid across Kisumu City by Liquid Telecom.

An **enabling technology** is an invention or innovation, that can be applied to drive radical change in the capabilities of a user or culture. **Enabling technologies** are characterized by rapid development of subsequent derivative **technologies**, often in diverse fields.

e.g. The Internet, which has enabled new forms of social interaction, activities, and social associations.

Appropriate technology is small-scale **technology**. It is simple enough that people can manage it directly and on a local level. **Appropriate technology** makes use of skills and **technology** that are available in a local community to supply basic human needs, such as gas and electricity, water, food, and waste disposal

Discussion Themes: Youth

Kisumu has a child rich population, where 0-14 year olds constitute 44% of the total population. Kisumu city has attracted a large working age population particularly in Kisumu Central Constituency where 15-64 year olds constitute 62% of the total population. There are about 318,297 youth in Kisumu and they face stiff competition with adults for scarce jobs and other economic opportunities. Therefore young people are largely absent from formal employment and are most visible in the informal sector. Young women are even more likely to be seeking employment and many to fall out of the labour market entirely as they choose early marriage and home making activities.

This is not unusual as the number of young people seeking employment is generally higher than adult rates in all provinces, but the magnitude of difference varies. Nyanza province is an extreme case: the number of young people seeking employment is six times that for adults. Kisumu also has the highest representation of informal employment of 75% and the highest prevalence of underemployment levels among the youth at 14.5%, ahead of Nairobi and Mombasa with 7.5% and 5.8% respectfully.

The informal sector, though untidy and often unwanted, contributes to about 20% of the city's GDP and policies to build a bridge between the formal and informal would greatly enhance equality of opportunity for young people.

A major economic activity for young people are as informal motorcycle taxi drivers or “boda boda” riders, street market sellers or hawkers. In 2015 Governor Jack Ranguma developed new skills training schemes for young people in Kisumu working in this informal sector, which includes motorcycle, bicycle and tuk tuk operators. The aim is to ensure health, safety and profitability of the industry by offering channels for them to enter more formal sectors.

The key questions to be explored by this group include:

- Is the education system in the country designed to equip young people with the skills they need for sustainable livelihoods?
- What policies and practices are there to create better opportunities for young people in Kisumu?
- Can a young person from rural Kisumu live and work without having to move to the city?

Discussion Themes: Ecosystems & Agribusiness

The environment around Kisumu is generally lush with large areas of the land outside the city, that are used for agriculture. There are two main plains in Kisumu; Kano Plain in the south-east which consists of fertile soil and Kanyakwar Plain in the north which is less suitable for agriculture. The wetlands have an important and vulnerable ecosystem, which hosts a rich flora and fauna. Land grabbing and illegal development along the shorelines are blocking public access and threatening the existence of wetlands.

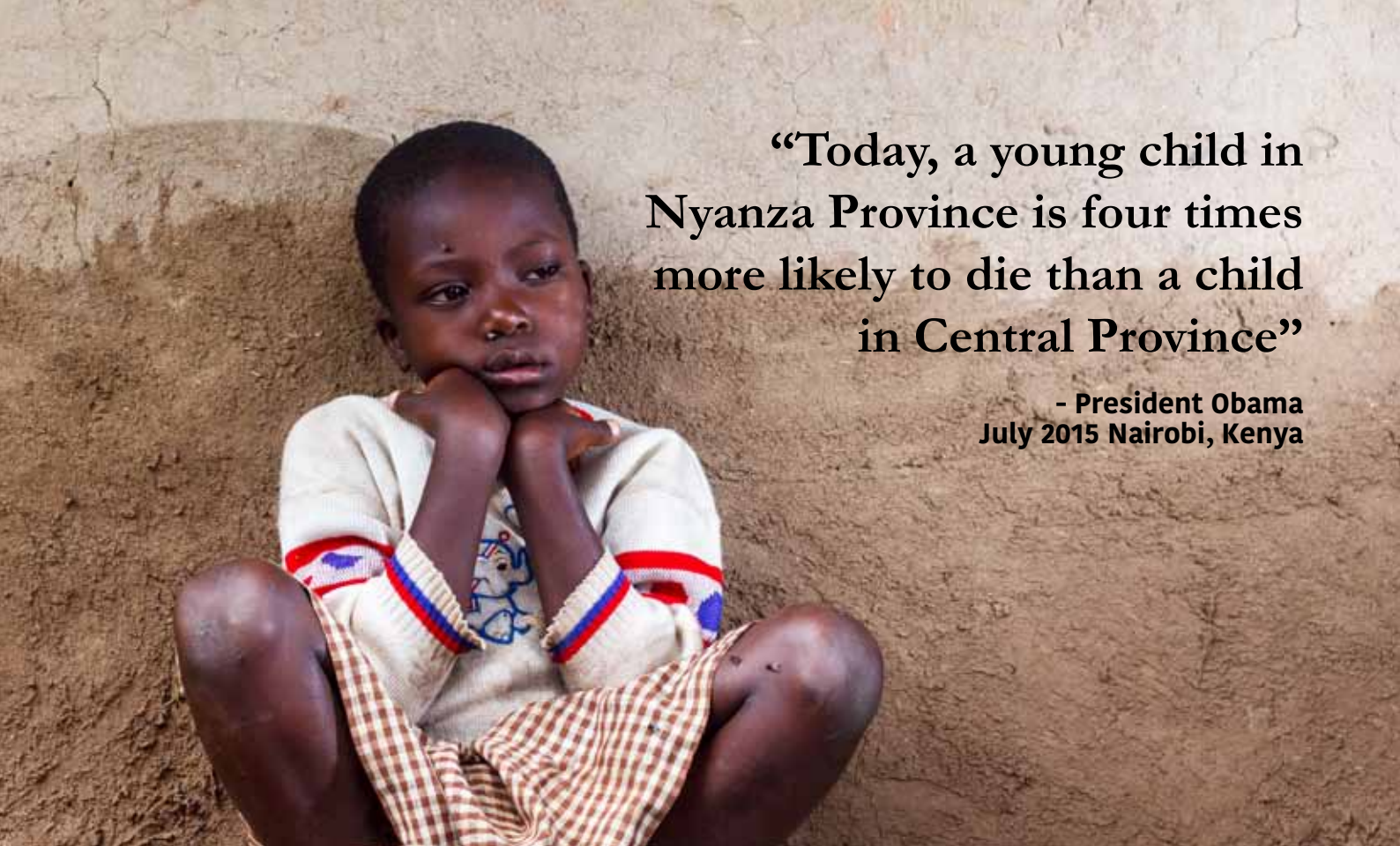
Lake Victoria, the world's second largest fresh water body, is a predominant feature of the environment within Kisumu's territory and important for fishery as well as tourism. The annual fish yield from the lake is estimated to be worth \$600 million. However, there are several environmental threats affecting the status of the lake. Water pollution and eutrophication due to direct discharge of grey water and solid waste from both domestic and industrial sources is a growing problem in the area.

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The questions to be explored by this group include:

- What is the future for agriculture in Kisumu?
- How can the country grow sustainably and reduce it's ecological footprint on the environment?



“Today, a young child in Nyanza Province is four times more likely to die than a child in Central Province”

**- President Obama
July 2015 Nairobi, Kenya**

Discussion Themes: Health

The weak healthcare infrastructure of Kisumu City poses serious challenges to the city’s development. The burden on the county is exacerbated by the influx of people from surrounding counties placing a strain on the marginally superior, yet wholly insufficient clinics and hospitals in Kisumu City.

Healthcare challenges include high rates of infant and child mortality, HIV/AIDS, malaria and recurrent cholera arising from the poor water and sanitation facilities across the county.

The questions this group will examine include:

- How can Kisumu strengthen its healthcare system to deliver greater benefits to its citizens in rural and urban areas?
- What types of technologies facilitate better healthcare delivery in poor resource settings?
- What types of public-private partnerships would help broaden the resource base and build the capacity of the county healthcare providers?

In our exploration of these questions we will look at examples of public healthcare systems in other countries, what lessons can we learn? This group will also examine mobile health technologies and whether they can be useful for Kisumu.

Discussion Themes: Job Creation

The Lake Region is one of the most densely populated regions of Kenya with over 10 million people, which constitutes about 25% of the population in Kenya. More than 50 percent of this population is youth aged between 15-35 years. This indicates the economic potential of a region with an active population whose labour can be channeled into economically productive activities that ultimately reduce dependency ratios and increase per capita income.

With limited chances for finding work, those who do not want to remain inactive, or under-employed, often migrate to surrounding counties or to Nairobi. These migration trends are shown in the rapidly decreasing numbers of young people from the province aged 15 to 30 years old. Nyanza accounts for about 17 percent of the population of 15-year-olds, but for only about 13 percent of the population aged 30 years. Young people from these two provinces are therefore likely to go to other provinces to study or work. On the other hand, Nairobi increases its share from about 3 percent of the national population of 15-year-olds to 13 percent of the national population of 25-year-olds, confirming the common tendency of young people migrating to Nairobi.



School leavers participating in the digital literacy program designed for young adults who completed primary school but did not attain secondary school certificates. Kisumu, May 2016. #wespeakcode



A graduate of the digital literacy program holds up her certificate after being awarded by Governor Ranguma in Kisumu City, June 16, 2016.

Better education increases the chances of finding work, therefore Kisumu Central constituency, has the highest share of residents with a secondary level of education or above at 46%, nearly double the county average where only 25% of residents have a secondary level of education or above. The high concentration of the most literate citizens in the city is therefore a major contributory factor to its economic vibrancy and growth.

The key questions to be explored by this group include:

- Which sectors present the most potential for creating jobs for young people?
- Can older people who are unemployed be re-skilled to get new kinds of jobs e.g. service industry, tourism etc.?
- What are the foreseeable risks to the job creation agenda?

Venue

The beautiful venue for the conference is the Villa Serbelloni on the shores of Lake Como in Bellagio, Italy. This historic 50-acre park estate was bequeathed to the Rockefeller Foundation by Princess Della Torre e Tasso in 1958 “for the promotion of international understanding.”

The Bellagio Center, through a combination of conferences and residency programs, supports the work of scholars, artists, thought leaders, policymakers, and practitioners who share in the Foundation’s pioneering mission to “promote the well-being of humanity around the world.”

Today, the Bellagio Center has a heightened focus on enabling individuals and organizations that are shaping thinking and catalysing action around the Foundation’s strategic goals of building resilience and advancing more inclusive economies.

This conference was made possible by a generous grant from the Rockefeller Foundation to the Government of Kisumu. It covers accommodation and subsistence for participants from July 5th – 9th 2016. Participants paid for their own travel costs, with a limited number of travel through a Rockefeller Foundation grant to The Institute for International Education, who judged eligibility.

Profiles: Rt Hon Raila Amolo Odinga



The Rt Hon Raila Amolo Odinga is currently the leader of the opposition coalition known as the Coalition for Reforms and Democracy.

Until March 2013, Mr Odinga was the Prime Minister of the Republic of Kenya and Member of Parliament for Langata Constituency within the city of Nairobi, Kenya, since 1992. Mr Odinga became Prime Minister following the signing of a National Accord and Reconciliation Act 2008 which created the office to facilitate power-sharing between the main protagonists of the controversial 2007 elections in Kenya.

The hallmark of Mr Odinga's life and career has been his role in the struggle for freedom and democracy in Kenya since the 1970s, for which he was three times detained without trial. During the 1990s, he worked closely with the International Republican Institute as a resource person for peace and conflict resolution in the then war-torn countries of Mozambique and Burundi and offered similar support to peaceful electoral processes in Nigeria and Zimbabwe.

Mr Odinga has received honours and recognition for his various roles, including lately, an honorary Doctor of Letters degree from the University of Nairobi for his role in restoring peace to Kenya following the controversial 2007 elections. In February 2011, he was appointed Special Peace Envoy of the African Union following the post-election crisis in Côte d'Ivoire. Mr Odinga strongly recommended that Mr Laurent Gbagbo surrender power to the winner, current President Alassane Ouattara.



H.E. Jack Ranguma, Governor, Kisumu County. Convenor

Governor Ranguma was appointed Governor of Kisumu County in 2013. His professional life before joining government was in the private sector as an accountant for over 30 years.

In 2002 he was appointed Commissioner of Income Tax, and later Commissioner of Domestic Taxes, Kenya Revenue Authority. In 2008 he became Senior Policy Advisor, Tax Justice Network Africa, a pan-African organization.

As Governor, he has brought a global perspective, a passion for transformation and a commitment to transparency and evidence based decision-making.



Dr Sheila Kaka Ochugboju, Global Roving Ambassador, Organizer. Nigeria

Dr Sheila Ochugboju is currently the Lead Consultant on the Global State of Urban Youth Report 2015/2016 for UNHabitat. She is also the Knowledge Management Consultant on the Integrated Analyses for a REDD+ Strategy in Nigeria, with focus on Cross River State.

In 2015, she was appointed the Global Roving Ambassador for the County Government of Kisumu in Transformative Science & Urban Resilience. In 2016, she was also awarded the Wings WorldQuest Foundation, Women of Discovery Humanity Award. Sheila is a TED Fellow, co-curator of TEDxNairobi and co-founder of the stock photography website Africaknows.com



Hon. Michael Onyango, County Minister for Communication, Information and Technology. Co-Organizer, Kenya

Michael is the County Minister responsible for Communication, Information and Technology. He also serves as a Board Member of Kenya Film Commission and contributed to developing The Road Map for Kenya's creative industries sector, in collaboration with IBM, positioning the sector as a catalyst to Kenya's economic growth, outlining how to double Kenya's current creative industries contribution to GDP to 10% by 2017. Michael is also a Rockefeller Foundation Social Innovation Fellow.



Mr Joseph Okelo, Ambassador, Sports. County Government of Kisumu. Kenya

Joseph Okelo is the Director of Makini Schools, one of the most prestigious and successful private schools in Kenya. He is also the Chairman of the Association of Family Business Enterprises and Chairman of CBM Kenya, an International organization that aims to improve the quality of life of people with disabilities in the poorest communities of the world. He is the Global Ambassador of Sports for Kisumu County. He holds degrees from University of Western Ontario and Nottingham.



Dr Arthur Minsat, Economist, OECD Development Centre. France

An Economist in the OECD Development Centre's Africa team, Arthur is the lead author of the thematic chapters of the African Economic Outlook (AEO) 2016: Sustainable Cities and Structural Transformation, and AEO 2015: Regional Development and Spatial Inclusion. Before joining the OECD in 2014, Arthur worked for three years at the UNDP, contributing to the Human Development Reports. He conducted economic analysis in Abidjan during Côte d'Ivoire's electoral crisis in 2010-11. Arthur holds a PhD from the London School of Economics (LSE) and a Franco-German double diploma from Sciences-Po Lille and the University of Münster.



Hon. Dr Elizabeth Ogaja, County Minister Health Services and Promotion of Health Investments. Kenya

Dr. Elizabeth Ominde-Ogaja joined the County as the Minister for Health Services and Promotion of Health Investments, after 34 years in the public sector having served as the National Chief Pharmacist, the first Director of the National Quality Control Laboratory and the Secretary of the National Medicines and Therapeutics Committee.

In June 2016, she addressed a Congressional hearing on Global Health Equity, on how devolution in Kenya can contribute to the Call to Action on Child Survival.



Hon. Jennipher Kere, County Minister Education, Youth, Culture & Social Services. Kenya

Jennipher is the County Executive Member responsible for:

- Early Childhood Education and Development
- Vocational Training
- Culture and The Arts
- Sports and Talent Development
- Gender (Women, Youth, Children and Persons who are Differently Abled)

Jennipher holds a Master of Arts Degree (DE) from the University of London and a Diploma in Community Development.



Mr George Anyonga, Chief Officer Planning CGK. Kenya

Mr Anyong'a holds a Master's Degree in Public Policy & Administration and a Bachelor's Degree in Business Administration, Accounting option. His work experience spans more than 16 years in both private and public sector in the areas of public finance, administration and business development. He currently serves as the Chief Officer for Economic Planning and Development at the County Government of Kisumu where he is the the custodian of both the County Intergrated Development Plan (CIDP) 2013-2017 and the County Strategic Plans.



Prof. Stephen Agong, Vice-Chancellors for Jaramogi Oginga Odinga University of Science and Technology (JOOUST). Kenya

A full professor of horticulture, Prof. Agong' (left) was appointed JOOUST's acting Vice-Chancellor upon its elevation to full university in February 2013. He was the inaugural Principal of Bondo University College (precursor to JOOUST). Earlier, Prof. Agong' served as Deputy Vice-Chancellor at Jomo Kenyatta University of Agriculture and Technology, and Maseno University. He has also served as the Executive Director of the African Academy of Sciences, besides holding several other senior positions locally and internationally.



Dr Ebere Okereke, Global Health Strategist. Nigeria

Dr Ebere Okereke is a physician with 26 years' experience of clinical and public health practice in England, Kenya, Nigeria and Trinidad & Tobago. She has extensive expertise in public health and specialist knowledge in capacity development, communicable disease control, and emerging infections.

Ebere is currently working as a Consultant Epidemiologist for Public Health England (PHE) UK, and recently worked as a Global Health Strategist building partnerships between PHE, International Rescue Committee (IRC) Kenya and the Kenyan Ministry of Public Health and Sanitation.



Ms Rose Shuman. BrightFront Group. USA

Rose Shuman is an experienced technology & data consultant with focus on developing world contexts. an ICT nonprofit founder, a Senior TED Fellow and a Senior Fellow at the USC Marshall School Society and Business Laboratory. Rose is on the UK Guardian newspaper's Global Development Advisory Panel. Recent engagements include:

- UNICEF - Operations processes, systems, content, training, & launch support for Ghana National Ebola Hotline.
- United Nations Office of Secretary General - Development of Standard Operating Procedures for UN Global Pulse international network of Big Data Labs



Mr Gem Argwings-Kodhek. Africa Enterprise Challenge Fund. (AECF). Kenya

Gem Argwings-Kodhek is an agricultural economist who completed his BSc and MSc at the University of Arizona in the US in 1988. He worked for 15 years in agricultural policy research at the Tegemeo Institute of Agricultural Policy of Egerton University before being seconded to government where he helped develop the agricultural chapter of Vision 2030.

He is now the Agribusiness Advisor for Africa Enterprise Challenge Fund, where he coordinates agribusiness investment activities of the fund. The AECF is a US\$ 244 fund invested in 190 agribusinesses in 23 African countries.



Mr Teddy Warria, CEO Africa 2.0. Kenya

Mr. Teddy Warria serves as Head of Client Relations at Africa's Talking Ltd. Mr. Warria works to connect Africa's Talking Ltd with strategic clients, partners, and markets. Teddy is a member of Clinton Global Initiative and Africa Cancer Foundation.

He is the Regional Head of Africa 2.0 Foundation in Eastern Africa. In September 2011, he was one of 15 inaugural awardees of the Leadership for Change in Africa programme. Mr. Warria is a Public Policy and International Affairs (PPIA) Fellow from the Woodrow Wilson School at Princeton University.



Dr Musonda Mumba. United Nations Environment Programme (UNEP). Zambia

Dr Musonda Mumba is currently the programme officer and UNEP's coordinator of the Ecosystem Based Adaptation (EBA) Flagship Programme. Her responsibilities include coordination of the overall EBA programme, providing technical expertise to mostly developing country governments, developing appropriate policy briefs and other technical materials.

Musonda, a Zambian national, received her BSc. Ed degree at University of Zambia and her PhD at University College London.



Ms Elsie Attafuah. Senior Regional Technical Advisor. UNDP/UN-REDD Regional Programme. Ghana

Elsie Gyekyawaa Attafuah is the Senior Regional Technical Advisor to the UNDP/UN-REDD (Reducing Emissions from Deforestation and Forest Degradation) Regional Programme for Africa, based in Nairobi. In this position, she provides technical, policy, programming and implementation support to countries in the Africa region.

Elsie has led teams in several countries across Africa on environment and climate change programmes and associated financing, investment and partnership platforms. She holds a Masters in International Affairs from the University of Ghana, and a BA plus a Diploma in Education from the University of Cape-Coast, Ghana.



Ms Mita Paramita. BrightFront Group. USA

F. Mita Paramita is Partner at BrightFront Group, specializing in new operations and technology initiatives for emerging markets and underserved populations. Mita has extensive experience in product management, process design, implementation and technical operations management.

Currently, she is supporting the World Bank's Innovation Unit on new technology assessment, as well as UNICEF Innovation, co-leading new product development, deployment strategy, and operations planning for mobile and digital solutions. Mita recently co-organized a municipal forum on Smart Cities, Climate Change, and Resilience, supported by the European Union.



Mr Myke Rabar. HomeBoyzz Entertainment. Kenya

Myke is the founder and CEO of Homeboyz Group, East & Central Africa's biggest and most influential multi-media Entertainment Enterprise Company, a Vivendi or Walt Disney-equivalent on the African continent. Myke sits on several boards including the Vision 2030 committee and Homeboyz Radio, Kenya's fastest growing youth centric online and terrestrial radio; Homeboyz Group of Companies and the Music Technology Academy.

In 2012, Myke received the prestigious Head of State Commendation, for distinguished services rendered to the nation in promoting youth in sport and the entertainment entrepreneurship industry.



Mr Joshua Wanyama. Pamoja Media. Kenya

Joshua Wanyama is the CEO of Pamoja Media. An avid photographer, he cofounded Africa Knows (www.africaknows.com) to provide a platform for the rebranding of Africa through photography and creative writing. Joshua heads the product development team for Africa Knows and works directly with the various photographers selling through the platform.

He is a TED Fellow (www.ted.com) and the co-curator of TEDx Nairobi,

Kisumu County Global Roving Ambassadors



Gem Argwings-khodhek, Agriculture and Agribusiness
Global Roving Ambassador
agribusiness@kisumu.go.ke

Gem Argwings-Kodhek is currently the Agribusiness Advisor and Africa Agribusiness Window Manager: Africa Enterprise Challenge Fund (AECF) Promoting and running challenge fund competitions for the largest agribusinesses venture capital fund in Africa. (www.aecfafrica.org). 178 companies invested in 24 countries. He has also been involved in several long-term projects in association with his alma mater - The University of Arizona, Stanford University and Michigan State.



Kenneth Oyolla, Technology
Global Roving Ambassador
technology@kisumu.go.ke

Kenneth is an accomplished leader with deep operational and leadership experience gained across multiple geographies globally. Having started off in fast moving consumer goods business, he has gained valuable knowledge in Brand and Marketing Management, Sales Management, Customer Marketing & Distributor Management & National Account Management.



Nazir Khamisa, Hospitality Industry and Tourism
Global Roving Ambassador
tourism@kisumu.go.ke

Nazir is currently the Group Hospitality Manager. He previously worked in the U.S.A with over 35 years in the Hospitality and Food services. He heads the Hotel development division which is on a very aggressive growth path as a very integral part of our companies Diversification portfolio. He holds a Bachelor of Arts degree with emphasis on Marketing and Accounting from the University of Washington, Seattle, U.S.A.



Norah Odwesso, Life Skills and Personal Development
Global Roving Ambassador
lifeskillsdev@kisumu.go.ke

An accomplished executive with over 15 years' experience in various senior, executive positions of increasing responsibilities. I have gained experience in Strategic Management and Corporate Relations in multinational blue chip entities. Currently the Public Affairs & Communications Director for Coca-Cola Central East & West Africa, I lead reputation management of the Company and its brands across 30 countries in Sub-Saharan Africa.



Ritesh Dinesh, Entrepreneurship
Global Roving Ambassador
entrepreneurship@kisumu.go.ke

Ritesh is a serial entrepreneur; he is currently the CEO of Naked Pizza Kenya. He possesses diverse experience in both developed & emerging markets across private equity, investment banking, consulting, and most recently, hospitality, logistics and operations. Ritesh is at the forefront of introducing new concepts to Kenya. This has resulted to him being featured on CNN International, CNBC Africa, Forbes, the Kenya Television Network, in addition to being a regular speaker at conferences.



Sheila Ochugboju Kaka, Transformative Science and Urban Resilience, Global Roving Ambassador
scienceurban@kisumu.go.ke

Dr Sheila Ochugboju is a development professional with specialist knowledge in science, environment and agricultural policy issues in Africa. She is also a skilled trainer and capacity development specialist who facilitates workshops in Science communication, scientific research and citizen advocacy. In 2010, she co-founded www.africaknows.com which sells unique and authentic African Stock photography, to contribute to "telling a different story about Africa" with words and pictures.



Suzanna Owiyo, Culture
Global Roving Ambassador
culture@kisumu.go.ke

Suzanna Owiyo's Music is a fusion of traditional western Kenyan Music with traditional African instruments, and contemporary rhythms. She has thrilled audiences the world over with her unique and magical voice. Born in Kasaye village near the lakeside city of Kisumu, Suzanna Owiyo was introduced to music at a tender age by her grandfather, who was a prolific Nyatiti player. Suzanna is involved in a Girls Empowerment Campaign project titled "Because I am a girl" initiated by Plan International.



Yvonne Adhiambo Owuor, Creative Industries
Global Roving Ambassador
creativeindustries@kisumu.go.ke

Yvonne Adhiambo Owuor is a published author (Weight of Whispers, Dust etc), Arts manager /producer, Creative Industry Lead with knowledge and experiences in a multiplicity of development and institutional issues including education, creative economy and business, conservation, experiential tourism, ICT for business and communities, microenterprise, event production, arts and culture product development. She has led and worked with teams in different program areas in different countries.

Photo Credits

1. Front Page: Sunset at Kisumu's Dunga Beach. Photo by Joshua Wanyama, Africaknows.com
2. County Minister Michael Onyango, former Permanent Secretary for telecommunication Bitange Ndemo and a gentleman have a chat on the roof deck of the Acacia Hotel in Kisumu. Photo by Joshua Wanyama, Africaknows.com
3. Kisumu County Governor Jack Ranguma at his office. Photo by Joshua Wanyama, Africaknows.com
4. Fibre optic cable being laid across the city of Kisumu by Liquid Telecom. Photo by Ben Roberts
5. Boda boda operators await customers at a stop. Photo by Boniface Mwangi, Africaknows.com
6. Fishermen pull in a net at dawn at a beach in Port Victoria. Photo by Joshua Wanyama, Africaknows.com
7. A sick, young girl sits in the shade besides her family hut at a village in Western Kenya. Photo by Joshua Wanyama, Africaknows.com
8. School leavers participating in the digital literacy program. Kisumu, May 2016. Photo courtesy of the County Government of Kisumu
9. A graduate of the digital literacy program holds up her certificate after being awarded by Governor Ranguma in Kisumu City, June 16, 2016. Photo by Joshua Wanyama, Africaknows.com
10. Lake Como from Villa Serbelloni, Rockefeller Centre, Bellagio. Photo by Peter Anderson.
11. Former Prime Minister Raila Odinga speaks at an event. Photo courtesy of Raila Odinga.
12. Kisumu County Governor Jack Ranguma at his office. Photo by Joshua Wanyama, Africaknows.com
13. Governor Jack Ranguma speaks at an event during sunset. Photo by Fred Onyango



Authentic African stock photography

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- We want pictures that have a strong authentic, engaged interaction between the photographer and the image
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Joshua Wanyama and Sheila Ochugboju are the co-founders of Africaknows.com

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“Where do we go from here? The correct answer, I am convinced, is not just a forward march towards some shapeless horizon, but an intentional journey inward. I am not talking about sitting under a baobab tree, immersed in circular conversations which lead us nowhere. I mean literally looking within, engaging hearts and memories with all our senses straining towards those bigger questions. The ones which threaten us and yet still offer some courageous windows, to embrace more challenging answers”

- Yvonne Adhiambo Owuor.

Winner Caine Prize for African Literature; Award winning Author “*Dust*”
Creative Industries Ambassador, Kisumu County



create dare to dream change
transform
Kisumu
establish foundations innovate