

2nd URBAN AGRI Africa 2018

VERTICAL FARMING • GREENHOUSES • CEA TECHNOLOGY

25 – 26 September | Johannesburg, South Africa

Launching Successful Commercial Indoor Farming in Africa and its Cities

Urban agriculture and vertical farming could offer sustainable and innovative solutions for improving food security. Modest versions of Urban Agriculture have surfaced in some African countries like Uganda, Kenya, Nigeria, Botswana and South Africa.

Such farms can range from Small-Scale Farms like rooftop farms, allotments to Commercial-Scale Farms like indoor farms with cutting-edge climate-controlled technology, to Aquaponics that grows vegetables. All the various forms when added up could prove crucial in fighting hunger and ensuring proper nutrition in urban areas.

Africa has unique opportunities for vertical farms. Feeding Africa's rapidly-growing urban population will continue to be a daunting challenge, but vertical farming – along with its variations – is one of the most innovative approaches that can be tapped into as part of an effort to grow fresh, healthy, nutritious and pesticide-free food for consumers.

What new business models will be successful, and will new players disrupt the traditional farming landscape? How can we feed more people on limited agricultural land, with limited resources? How can we best use space, light and logistics for an increasingly urban population?

The 2nd Urban Agri Africa 2018 will answer these questions and more.

You will Probe these Important Topics:

- ❖ Developing Policies for Urban Agriculture for Food Security – Contributing Factors
- ❖ Practical Urban Farming Techniques Ideal for Meeting the Challenges of Urbanisation and Climate Change
- ❖ Vertical Aquaponics Farms to Cultivate Algae, Prawns and Mussels – Current Cultivation and Challenges for Commercialisation
- ❖ Applications of Artificial Intelligence and Big Data Mining in the Next Generation of Vertical Farms
- ❖ "Africa Needs its Own Version of the Vertical Farm to Feed Growing Cities": What is the Best Model for Africa - Updates after the First Edition.
- ❖ Understanding the Various Technologies Used in Vertical Farming and Learn From Regional Presentations
- ❖ What are the Latest Research Available on Controlled Environment Crops
- ❖ Renewable Energy: Challenges of LED-based Farming in Africa
- ❖ What Should Those Planning to Start a Farm Consider? Lessons from Some of the Biggest Indoor Vertical Farms
- ❖ Exploring Practical Case Studies of Different Forms of Commercial Indoor Vertical Farming
- ❖ Endogenous Clocks and Their Role in Optimising Productivity for Indoor Farming
- ❖ What Will Hybrid Technology Bring for Vertical Farms in Africa?
- ❖ Financing Models to Consider for the African Landscape
- ❖ Different Stages, Different Investment Strategies: Laying the Groundwork
- ❖ From Traditional Farmer to Vertical Farmer

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Join the Post-Event Farm Visit to a Commercial Aquaponics Farm



Hear and see a South African youth's urban farming journey from dream to commercial realisation.

Invited Speakers Include:

- Lebogang Maile, **MEC, Gauteng Department of Economic, Environment, Agriculture & Rural Development, South Africa**
- Roger Tuckeldoe, *Director of Smallholder Development, Department of Agriculture Forestry and Fisheries, South Africa*
- Esther Ndumi Ngumbi, *Research Fellow, Auburn University, USA*
- Ada Osakwe, **CEO, Agrolay Ventures, Nigeria**
- Aliyu Abdulhameed, **MD & CEO, Nigerian Incentive-Based Risk Sharing System for Agriculture Lending (NIRSAL), Nigeria**
- Michelle Adelman, **MD, Go Fresh, Botswana**
- Scott Carrus, *Lead Horticulturist, Agritecture Consulting, USA*
- Thato Moagi, **MD, Legae La Banareng Farms**
- Peter Chege, **CEO, Hydroponics Africa, Kenya**
- Michael Rudolph, *Director, Siyakhana Multipurpose Cooperative*
- Naudé Malan, *Senior Lecturer, University of Johannesburg*
- Mlibo Bantwini, *Executive Officer, Dube Agri Zone, South Africa*
- Inge Kuschke, *Agriculture Analyst, Greencape*
- Richard Lomax, **MD, LEDZShine**
- Rikalize Reinecke, *Owner, La Pieus Aqua, South Africa*
- Peter Douglas, **MD, Carbon Negative Solutions**
- Jeremy Rich, **MD, Future Farms South Africa**

www.magentaglobalevents.com/urban-agriculture-verticalfarming-cea-africa-summit/

Do Not Miss this Second Edition of the Urban Agri Africa Summit!

Call +65 6846 2360 or email enquiry@magenta-global.com.sg to secure your seat!

Come to Grips with the Emerging Industry Trends and Developments that will have the Greatest Potential for Your Operations in the Short and Long Run

The **2nd Urban Agri Africa 2018** will look at general trends, barriers and investments into Vertical Farming, Green Houses and CEA Technology. This year's event will also take a peek into other forms of Urban Farming like Alternate Protein Farming and Vertical Aquaponics Farming to Cultivate Algae, Prawns and Mussels.

According to Global Market Insights (2017), the global vertical farming market size, both indoor and outdoor, is estimated to grow by more than 27% from 2013 to 2024, with indoor farming growing at a much faster pace. Steady growth is predicted for the three main technologies applied in CEA; however, it is anticipated that hydroponics will remain the most popular technology.

In 2016, the global market size for vertical farming was more than US\$2 billion (R28 billion) and is predicted to surpass US\$13 billion (R186 billion) by 2024. Outdoor vertical farming is estimated to account for less than 30% of the overall market growth, highlighting the shift toward indoor farming.

Farmers using CEA have reported revenue increases of up to 60% owing to higher yields and longer production cycles



"Wow! What a great and amazing conference. I have attended many conferences... but this one was special."

Dr Esther Ngumbi, Auburn University, USA



"The Summit was clearly a very successful, enjoyable and productive two days... with numerous delegates already discussing the next meeting which testified to the positive impact of the gathering."

Prof Michael Rudolph, Director, Siyakhana Multipurpose Cooperative

Who Should Attend this Summit?

- Farmers and Growers
- Urban Planners
- Architects
- Technology Suppliers
- Systems Integrators
- Local, Regional and National Governmental Bodies
- Project Developers
- Financiers and Banks
- Consulting Advisory Services
- Food Logistics
- NGOs and Development Agencies

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NIRSAL Plc Nigeria Incentive-Based Risk Sharing System for Agricultural Lending is the primary platform for managing agribusiness risk in Nigeria. Incorporated in 2013, NIRSAL is a \$0.5bn (\$500 million) Public-Private Corporation wholly-owned by the Central Bank of Nigeria. It is designed to appropriately define, price and share agribusiness-related credit risk. It is an initiative of Central Bank of Nigeria, the Bankers Committee and the Federal Ministry of Agriculture & Rural Development. NIRSAL mobilises financing for Nigeria agribusiness by using credit guarantees to address the risk of default. It is a flexible financing tool designed to change the behaviour of financial institutions. The NIRSAL facility covers all crops and livestock activity in Nigeria while driving improved investment outcomes and job creation. Through its interventions, NIRSAL: reduces the cost of borrowing by agriculture value chain players; enhances food security; facilitates higher productivity; generates higher income, GDP and foreign exchange earnings; and fundamentally transforms the Nigerian economy with agriculture playing a stronger role in line with the Agricultural Promotion Policy (APP) of the Buhari administration. From 2013 to date, NIRSAL has guaranteed projects in the agricultural value chain worth N65.53 billion.



"I really enjoyed participating in the Urban Agri Summit. Where else do you get to meet your peers in urban farming and CEA from across Africa - all under the same roof? From the intense education on cutting-edge technologies... to the business opportunities! I plan to attend time and time again."

Angel Adelaja, Founder & CEO, Fresh Direct Produce, Nigeria



"The Urban Agri Summit Africa was an interactive platform that lead with though provoking topics and presentations needed for individuals to broaden and develop their insights in Controlled Environment Agriculture. The most encouraging memory is seeing young people using this innovation successfully to change society."

Thato Moagi, Legae La Banareng Farms, South Africa

Want to Showcase Your Products and Services?

Ready to showcase your solution to the entire audience? Whether it be new products or solutions or digital platform or latest innovations, this is a perfect platform for you to allow attendees to have first-hand access to your products and solutions.

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Summit Agenda

DAY ONE Tuesday 25 September

8.30 am	Registration & Coffee
9.00 am	Welcome Remarks by The Organiser Maggie Tan, <i>CEO, Magenta Global, Singapore</i>
9.05 am	Chairman's Introduction Prof Michael Rudolph, <i>Managing Director, Siyakhana Multipurpose Cooperative</i>
9.15 am	Industry Address Lebogang Maile, <i>Member of the Executive Committee, Gauteng Department of Economic, Environment, Agriculture & Rural Development, South Africa (invited)</i>
9.30 am	Developing Urban Agriculture Policies for Food Security - Contributing Factors Roger Tuckeldoe, <i>Director of Smallholder Development, Department of Agriculture Forestry and Fisheries, South Africa</i>
10.00 am	Food Security Challenges: Case Study for the City of Johannesburg <ul style="list-style-type: none"> Optimising Urban Agriculture Support for Women & Youth Local Government Partnerships Investment Challenges Prof Michael Rudolph, <i>Managing Director, Siyakhana Multipurpose Cooperative</i>
10.20 am	Coffee Break / Networking / Exhibition Area
10.45 am	Structuring Affordable Financing for Urban Agriculture Aliyu Abdulhameed, <i>MD & CEO, Nigerian Incentive-Based Risk Sharing System for Agriculture Lending (NIRSAL), Nigeria</i>
11.15 am	Innovative Approaches to Feed Africa's Urbanising Cities – Vertical Farms <ul style="list-style-type: none"> Challenges Facing Entrepreneurs Venturing in Vertical & Urban Farming In Africa Moving into the Future Esther Ndumi Ngumbi, <i>Research Fellow, Auburn University, USA</i>
11.45 am	BOTSWANA: Sustainable Food Systems - Trading Fairly, Ethically and Profitably <ul style="list-style-type: none"> Operating 365-days a year in a Climate Controlled Greenhouse in Botswana Using Distributed Farming Methodology to eliminate the Cost & Spoilage of Transportation of Perishable Produce Hiring & Training Local Youths pays off in the Long Run Michelle Adelman, <i>Managing Director, Go Fresh, Botswana</i>
12.15 pm	A South African Youth's Urban Farming Journey from Dream To Commercial Realisation Rikalize Reinecke, <i>Owner, La Pieus Aqua, South Africa</i>
12.45 pm	Networking Luncheon
1.30 pm	KENYA: Vertical Hydroponics for Urban Low Income Groups Peter Chege, <i>Owner, Hydroponics Africa, Kenya</i>
1.45 pm	CEA Trends and Barriers in SA Agriculture Production Inge Kuschke, <i>Agriculture Analyst, Greencape</i>
2.15 pm	Financing Challenges in Early- to Mid-Stage Opportunities in Innovative African Agribusinesses Ada Osakwe, <i>Managing Director, Agrolay Ventures, Nigeria</i>
2.45 pm	CASE STUDY: Dube TradePort AgriZone <ul style="list-style-type: none"> Operational Challenges - Production, Skill Availability Cost, Renewable Energy and Ensuring International Technology Adaptability & Appropriateness for Local Conditions Building Sector Cluster and Sector Value Chain Mlibo Bantwini, <i>Executive Officer, Dube Agri Zone</i>

3.15 pm	Multi-Stakeholder Engagement as a Means to Integrate Urban Small Farmers into Food Value Chains: - How to Hack Agriculture Naudé Malan, <i>Senior Lecturer Anthropology and Development Studies, University of Johannesburg</i>
3.45 pm	Coffee Break / Networking / Exhibition Area
4.00 pm	How Roof Top Farms are Changing the Johannesburg Skyline - From Farm to Table Jeremy Rich, <i>Managing Director, Future Farms SA</i>
4.30 pm	PANEL DISCUSSION: Developing the Supply Chain to Get Market Access Invited Panelists: <ul style="list-style-type: none"> Speakers of Day One, plus... Sammy Phalane, <i>Managing Director, Green-Buds Fresh Produce Market (invited)</i>
5.00 pm	Close of DAY ONE / Networking Drinks (BYO)

DAY TWO Wednesday 26 September

9.00 am	Chairman's Remarks
9.05 am	USA: Lessons from One of the Largest Indoor Farms <ul style="list-style-type: none"> Market Research, Crop Selection, Design Recommendations and Economic Analysis Scott Carrus, <i>Lead Horticulturist, Agritecture Consulting, USA</i>
9.30 am	Vertical Aquaponics Farms to Cultivate Algae, Prawns and Mussels – Current Cultivation and Challenges for Commercialisation Peter Douglas, <i>Managing Director, Carbon Negative Solutions</i>
10.00 am	Endogenous Clocks and their Role in Optimising Productivity for Indoor Farming Richard Lomax, <i>Managing Director, LEDzShine</i>
10.30 am	Coffee Break / Networking / Exhibition Area
11.00 am	Hydroponics Systems for Plant Cultivation and Popular Financing Options Lynn Gunning, <i>Managing Director, NFT Hydro</i>
11.30 am	Developing the Next Generation of Sustainable Commercial Youth Farmers Thato Moagi, <i>Managing Director, Legae La Banareng Farms</i>
12.00 pm	Preserving Cultural Traditions Through Food & Technology Kaleb J Hill, <i>President, Oko Vue Produce, USA</i>
12.30 pm	Close of DAY TWO
1.30 pm to 4.30 pm	FARM VISIT: La Pieus Aqua South Africa As part of our support for youth in farming, we pay a visit to La Pieus Aqua South Africa where 16-year-old Rikaliza Reinecke is the owner of this lovely Commercial Aquaculture and Aquaponics Farm in South Africa just outside Pretoria

DAY THREE Thursday 27 September

8.30 am to 7.30 pm	POST-CONFERENCE CITY TOUR (optional) Based on first-come, first-served basis - limited seats available. <ul style="list-style-type: none"> Apartheid Museum, Mandela Museum, Lion Park, and Cultural Village. Lunch and dinner included Hosted by Johannesburg Convention Bureau
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DISCLAIMER: The program is correct at the time of publishing. The organiser may (at its sole discretion) change the format, speakers or any other aspect of the Conference at any time and for any reason, whether or not due to a Force Majeure Event, in each case without liability.

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FEE PER DELEGATE	EARLY BIRD FEE Register & Pay before 25 August 2018	REGULAR FEE Register and Pay after 25 August 2018
Government, Academia and NGOs	US\$ 699	US\$ 899
Commercial / Private Sector	US\$ 1,299	US\$ 1,499
Post-Summit Tour	Complimentary for foreign delegates (limited seating)	

Fees quoted are nett and exclusive of all taxes

Will you be joining the Post-Summit Tour?

- ☐ I/We will be attending the Summit only (25-26 September)
- ☐ I/We will be attending both the Summit and the Post-Summit Tour (25, 26 and 27 September)

[M]

1st Delegate

Salutation: Mrs/Ms/Mdm/Mr/Dr

Name:

Position:

E-Mail:

Mobile:

Landline:

Fax:

2nd Delegate

Salutation: Mrs/Ms/Mdm/Mr/Dr

Name:

Position:

E-Mail:

Mobile:

Landline:

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3rd Delegate

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Name:

Position:

E-Mail:

Mobile:

Landline:

Fax:

4th Delegate

Salutation: Mrs/Ms/Mdm/Mr/Dr

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- ☐ AVF ☐ Email ☐ Internet Website (specify) _____
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- CREDIT CARD:**
Payment by VISA (SGD), MasterCard (SGD) or AMEX (SGD & USD) accepted.

BOOKING CONDITIONS

Full payment must be received prior to the event for entrance to be guaranteed. If payment is not received a personal credit card will be required to allow entry.

A confirmation letter and invoice will be sent to you on receipt of your booking. If you are unable to attend, a substitute delegate is always welcome. If you cancel your place in writing 15 working days before the event, a cancellation fee of 10% shall be applicable. Thereafter cancellations are not refundable.

It may be necessary for reasons beyond the control of the organizers to alter the content, timing or venue. The company will not accept liability for any transport disruption or any claims whatsoever and in such circumstances the normal cancellation restrictions apply.

DATA PROTECTION

The personal information provided by you will be held on a database and may be shared with companies in the Magenta Group. Sometimes your details may be made available to external companies for marketing purposes.

If you do not wish your details to be used for this purpose, please email the Database Administrator at enquiry@magenta-global.com.sg.

VENUE / HOTEL

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VISA REQUIREMENTS

Visitors to South Africa must hold a valid passport. Nationals of most countries are required to obtain visas to enter the country. Please check with your respective South African High Commission, consulate or travel agent for the latest status. Invitation letter for travel visa will only be issued after receipt of full payment of fees.

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