



## KWPF ANNIVERSARY

APRIL 25, 2023

THE SHILLA SEOUL, REPUBLIC OF KOREA



**Program Book**





## KWPF ANNIVERSARY



**Program Book**

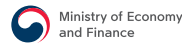


## EVENT DETAILS

**TIME / DATE** 09:30 AM – 19:30 PM (KST) / Tuesday, April 25, 2023

**VENUE** Dynasty Ballroom (2F), Hotel Shilla, Seoul

**HOSTED BY**



## BACKGROUND

The Korea-World Bank Partnership Facility (KWPF), established in May 2013, is an initiative to strengthen partnership between Korea's Ministry of Economy and Finance (MoEF) and the World Bank. As the largest MoEF trust fund managed by a Multilateral Development Bank (MDB), KWPF supports client countries that seek to adapt and apply Korea's development experience and technical expertise to achieve their own development goals. Across the past decade, KWPF has received US\$328 million in contributions and supported 175 grant projects across sectors.\* An Administration Agreement for the second phase of the KWPF was signed on October 12, 2022, for US\$140 million.

The KWPF 10<sup>th</sup> Anniversary Conference is an opportunity to recognize the organizations and individuals that have been invaluable to the KWPF's success in its first decade, from beneficiaries around the world to the Korean knowledge partners who have shared their expertise. Looking to the future, this conference is also an opportunity to engage all contributors in crafting the next phase of the partnership between the World Bank and the Government of Korea as they pursue their shared mission of helping developing countries achieve inclusive and sustainable development across a wide range of sectors, from Innovation and Technology to Health, from Agriculture to Jobs and Skills Development, and beyond.

\*These 175 grant programs include those approved through KWPF's 11<sup>th</sup> call for proposals (approved in March 2023). Without the 11<sup>th</sup> call for proposals, as of April 15, 2023, there are a total of 157 KWPF grants.

# AGENDA

TIME	PROGRAM
09:00-09:30	Registration
<b>Session 1 - Opening Session</b>	
09:30-09:40	<b>Opening Video: Achievements and Forward Look</b>
09:40-09:45	<b>Welcome Address</b> Kisun Bang, 1 <sup>st</sup> Vice Minister, Ministry of Economy and Finance, Republic of Korea
09:45-10:00	<b>Keynote Speech</b> Anshula Kant, Managing Director and Chief Financial Officer, The World Bank Group
10:00-10:05	<b>Partnership Appreciation Ceremony</b>
10:05-10:15	<b>Congratulatory Remarks</b> Maitreyi Das, Director, Trust Funds and Partner Relations Development Finance (DFI), The World Bank Mara Warwick, Director for Korea, The World Bank
10:15-10:25	<b>Presentation: 10 Years of Korea-World Bank Partnership, and Looking Beyond</b> Alexandra Pugachevsky, Program Manager, Korea-World Bank Partnership Facility, The World Bank
10:25-10:40	Coffee break with pastries – Networking
<b>Session 2 - Award Ceremony</b>	
10:40-11:05	<b>Award Ceremony (A): Korean Knowledge Partners</b> Award Presenter: Maitreyi Das, Director, Trust Funds and Partner Relations, The World Bank
11:05-11:30	<b>Award Ceremony (B): KWPF Grant Teams</b> Award Presenter: Kyunghee Kim, Director General of Development Finance, Ministry of Economy and Finance
<b>Session 3 - In-Depth Sessions: Results on the Ground</b>	
11:30-12:00	<b>ActiVaR 2.0: Scaling up Active Training Using Augmented and Virtual Reality in Latin America</b> MODERATOR Jaime Saavedra Chanduvi, Global Director, Education Global Practice, The World Bank
	<b>INTRODUCTORY REMARKS</b>
	<ul style="list-style-type: none"> <li>• Seung Yong Yoon, President, Namseoul University</li> </ul>
	<b>PRESENTATION</b>
	<ul style="list-style-type: none"> <li>• Robert Dean, Faculty, Namseoul University</li> <li>• Diego Angel-Urdinola, Senior Economist and Skills Global Lead, Education Global Practice, The World Bank</li> </ul>
	<b>PANEL DISCUSSION</b>
	<ul style="list-style-type: none"> <li>• Sang Bin Lee, Dean of International Affairs, Namseoul University</li> <li>• Ted Sandiford, Faculty, Saint Arthur Lewis Community College</li> </ul>
12:00-12:30	<b>TTL Lightning Talks: Maximizing Impact with KWPF Funding</b> MODERATOR Brice Quesnel, Manager, Trust Funds and Partner Relations, The World Bank
	<b>LIGHTNING TALKS AND PANEL DISCUSSION</b>
	<ul style="list-style-type: none"> <li>• David Satola, Lead Counsel, The World Bank</li> <li>• Asuka Okumura, Agriculture Economist, The World Bank</li> <li>• Gerald Ollivier, Lead Transport Specialist, The World Bank</li> </ul>
12:30-14:00	Lunch – Networking (Dynasty I+II)/ Hanbok cultural experience photo booth (13:00-16:00)

TIME	PROGRAM
14:00-14:30	<p><b>Session 3.1 Promoting Smart City Development through Korean and Global Benchmarks</b>            MODERATOR Jason Allford, Special Representative, Korea Office, The World Bank</p> <p><b>PRESENTATION &amp; PANEL DISCUSSION</b></p> <ul style="list-style-type: none"> <li>• Narae Choi, Senior Urban Development Specialist, The World Bank</li> <li>• Hendro Prastowo, Head of the Survey and Mapping Division, Provincial Land Office of DKI Jakarta, Indonesia</li> <li>• Jeonghee Jeong, Deputy Director, Korea Ministry of Land, Infrastructure and Transport</li> </ul>
14:30-15:00	<p><b>Session 3.2 Disruptive Digital Technologies to Transform Agriculture and Food Systems</b>            MODERATOR Zaki B. Khoury, Senior Digital Development Specialist, The World Bank</p> <p><b>PRESENTATION &amp; PANEL DISCUSSION</b></p> <ul style="list-style-type: none"> <li>• Parmesh Shah, Global Lead, Data, Digital Agriculture and Innovations, Agriculture and Food Global Practice, The World Bank</li> <li>• Peninah Wanja, Founder &amp; Managing Director, Farmingtech-DigiCow</li> <li>• Clifton Cheung, Global Business Development Head, Sherpas Space Inc. South Korea</li> </ul>
15:00-15:30	<p><b>Session 3.3 Accelerating Progress toward Universal Health Coverage (UHC) in the Caribbean during the Era of COVID-19</b>            MODERATOR Daniel Dulitzky, Human Development Regional Director for East and Southern Africa Region, The World Bank</p> <p><b>INTRODUCTORY REMARKS</b></p> <ul style="list-style-type: none"> <li>• Edit Velenyi, Senior Economist, Health Global Practice, The World Bank</li> </ul> <p><b>PRESENTATION AND PANEL DISCUSSION</b></p> <ul style="list-style-type: none"> <li>• Alisha D. Eugene-Ford, Director of Universal Health Coverage, Saint Lucia, Ministry of Health</li> <li>• Nahum Jn Baptiste, Performance Based Financing Coordinator, Saint Lucia, Ministry of Health</li> <li>• Grace Walters, Hospital Administrator, Saint Vincent and the Grenadines</li> <li>• Seung-Ro Jun, Vice Manager, Seoul National University Bundang Hospital</li> </ul>
15:30-16:00	Coffee break with pastries – Networking (ActiVaR 2.0 & DigiCow booths)
16:00-16:30	<p><b>Session 3.4 Piloting Automated Sensor Applications for Improving Rice Water Use Efficiency</b>            MODERATOR Stuart Yikona, Program Manager, Finance, Competitiveness and Innovation Global Practice, The World Bank</p> <p><b>PRESENTATION</b></p> <ul style="list-style-type: none"> <li>• Vikas Choudhary, Senior Agriculture Specialist, The World Bank</li> <li>• Binh Thang Cao, Senior Agriculture Specialist, The World Bank</li> <li>• Tri Nguyen, CEO, Mimosatek</li> <li>• Phan Vu Bang, Senior Researcher, Tra Vinh University</li> </ul>
16:30-17:00	<p><b>Session 3.5 Kenya's Nzoia River Basin, Flood Forecasting and Early Warning System</b>            MODERATOR Banu Setlur, Senior Environmental Specialist, The World Bank</p> <p><b>PRESENTATION</b></p> <ul style="list-style-type: none"> <li>• Jeanne-Rose Rene, CEO and Hydraulic Engineer, Hydro Talents</li> <li>• Gabriel Wambugu, Principal Hydrologist, Kenyan Water Resource Authority</li> <li>• Phyllis Wambui Wachira, Water Resource Management Analyst, Water Global Practice, The World Bank</li> </ul>
<b>Wrap-Up</b>	
17:00-17:05	<p><b>Closing</b>            Maitreyi Das, Director, Trust Funds and Partner Relations Development Finance (DFI), The World Bank</p>
17:05-17:20	<b>Korean Cultural Performance</b>
17:30-19:30	Cocktail - Standing Gala (Dynasty III (2F) & Lobby)

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# **Session 1**

## **Opening Session**

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### **Welcome Address**

**Kisun Bang**, 1<sup>st</sup> Vice Minister, Ministry of Economy and Finance, Republic of Korea

### **Keynote Speech**

**Anshula Kant**, Managing Director and Chief Financial Officer, The World Bank Group

### **Congratulatory Remarks**

**Maitreyi Das**, Director, Trust Funds and Partner Relations Development Finance (DFI), The World Bank

**Mara Warwick**, Director for Korea, The World Bank

### **Presentation**

**“10 Years of Korea-World Bank Partnership, and Looking Beyond”**

**Alexandra Pugachevsky**, Program Manager, Korea-World Bank Partnership Facility, The World Bank



## Welcome Address



### **H.E. Kisun Bang**

1<sup>st</sup> Vice Minister, Ministry of Economy and Finance, Republic of Korea

Dr. Kisun Bang, 1<sup>st</sup> Vice Minister of Economy and Finance, assumed the office in May 2022. Before serving as Executive Director for the Asia Development Bank (2021-2022), Dr. Bang served in government roles including Deputy Minister of MOEF (2019-2021), Senior Assistant Secretary to the President for Economy and Finance (2014-2016). Dr. Bang holds a B.A. in Economics from Seoul National University, M.A., and Ph.D. in Economics from the University of Missouri.

## Keynote Speech



### **Anshula Kant**

Managing Director and Chief Financial Officer, The World Bank Group

Anshula Kant was appointed Managing Director and World Bank Group Chief Financial Officer on October 7, 2019. In this role, she is responsible for financial and risk management of the World Bank Group, reporting to the President. Among other key management duties, her work includes oversight of financial reporting, risk management and mobilization of IDA and other financial resources.

Through her work at the State Bank of India (SBI), Ms. Kant has more than 35 years of experience in banking, including retail and corporate banking, mortgage finance, local currency and foreign exchange instruments, and a diverse array of leadership challenges covering finance, risk, operations, treasury, funding, regulatory compliance and general management. As CFO of SBI, Ms. Kant managed \$38 billion of revenues and total assets of \$500 billion. Stewarding the organization, she greatly improved the capital base and focused on the long-term sustainability of SBI within her mandate.

She was a Managing Director and member of the Board of SBI from September 2018 till August 2019. With direct responsibility for the SBI's Risk, Compliance, and Stressed Asset Portfolio, Ms. Kant led the creation of investment opportunities while empowering risk management throughout the bank.

Ms. Kant, a native of India, earned her bachelor's degree with honours in Economic from Lady Shri Ram College for Women and a master's degree in Economics from Delhi School of Economics.

## Congratulatory Remarks



### **Maitreyi Das**

Director, Trust Funds and Partner Relations Development Finance (DFI),  
The World Bank

Maitreyi Bordia Das is the Director for Trust Funds and Partner Relations in the Development Finance Vice Presidency of the World Bank. Based in Washington DC, she leads the furtherance of the World Bank's trust fund reform, implementation of the Bank's policy framework for financial intermediary funds (FIFs) and supports the ongoing World Bank Group Evolution process.

Maitreyi is a leading voice to sustainable development, equity and inclusion, with a career that spans government, academia, the UN system and the World Bank. At the Bank, Maitreyi has held several advisory and managerial positions and led numerous research, policy and programmatic initiatives across urban development, resilience, water security, health, social protection and social development. She was the World Bank's first Global Lead for Social Inclusion, is a speaker at various public forums and has an extensive publications record. In her last position as Manager in the Global Practice on Urban, Resilience and Land, she oversaw and expanded a wide range of trust funded global programs and partnerships.

Having started her career as a lecturer in St Stephen's College, University of Delhi, Maitreyi has also been a MacArthur Fellow at the Harvard Center of Population and Development Studies and an advisor to the United Nations Development Program in Guyana. She has a PhD in Sociology (Demography) from the University of Maryland. Before joining the World Bank, Maitreyi was in the Indian Administrative Service (IAS).

# Congratulatory Remarks



## Mara Warwick

Director for Korea, The World Bank

Mara Warwick, an Australian national, is the World Bank Country Director for China and Mongolia and Director for Korea since August 2022. Ms. Warwick is leading a team that is managing an evolving partnership with China, a growing program of support to Mongolia, and a deepening knowledge partnership with Korea focused on innovation and technology.

Prior to this position, Ms. Warwick was the World Bank Country Director for Tanzania, Malawi, Zambia and Zimbabwe, overseeing a portfolio of IDA credits and grants of more than \$11.2 billion complemented by a strong analytical engagement in key development areas. The portfolio has a strong focus on sound fiscal and debt management, institutional development and capacity building, human capital development, job creation for inclusive growth, poverty alleviation, climate change adaptation and COVID-19 response.

Previously, Ms. Warwick was the World Bank Country Director for Brunei, Malaysia, Philippines and Thailand in the East Asia and Pacific Region. In this position Ms. Warwick managed a growing portfolio of IBRD loans, grants and trust funds in the Philippines including a large program of activities in the conflict-affected region of Mindanao. Ms. Warwick also oversaw the World Bank Group Global Knowledge and Research Hub in Malaysia and the WBG's knowledge sharing engagement in Thailand.

Previously, Ms. Warwick has also served as the Portfolio and Operations Manager for China, Mongolia and Korea, as Sector Coordinator for Sustainable Development in Turkey, and as a Senior Urban Environment Specialist in East Asia and the Pacific region.

Trained as an environmental engineer, Ms. Warwick has expertise in flood management, urban environmental services, and disaster risk management. Before joining the World Bank in 2003, she worked as an engineer in the private sector. Ms. Warwick received her B.E. in Civil Engineering from the University of Adelaide, Australia and her M.S. and Ph. D. in Environmental Engineering from Stanford University in the US. In her free time, Ms. Warwick pursues her passion for textile arts, especially those unique to the countries in which she lives and works.

## Presentation

### “10 Years of Korea-World Bank Partnership, and Looking Beyond”



#### **Alexandra Pugachevsky**

Program Manager, Korea-World Bank Partnership Facility, The World Bank

Alexandra Pugachevsky (Sasha) is Korea World Bank Partnership Facility (KWPF) Program Manager. She joined the KWPF team in August 2022. She was previously Country Program Coordinator for the Gulf Cooperation Council countries, managing one of the largest Reimbursable Advisory Services portfolios in the Bank and leading dialogue with the GCC countries counterparts (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and the UAE). Prior to that, Sasha worked in the Vice President's office of the Middle East and North Africa region and the Country Management Unit for West Bank and Gaza. Sasha started her career at the World Bank over twenty years ago in the Oil, Gas, and Mining department, covering operations in Francophone and Anglophone Africa, Central Asia and Yemen. Sasha regularly facilitates the Fundamental of Bank Operations and Investment Project Financing core curriculum courses. She holds a Master's from Georgetown University and a BA from the University of Pennsylvania.







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## **Session 2**

### **Award Ceremony**

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**Award Ceremony (A): Korean Knowledge Partners**

**Award Ceremony (B): KWPF Grant Teams**



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<b>Award Ceremony (A): Korean Knowledge Partners</b>		
	<b>Partner Institution Name</b>	<b>Acronym</b>
1	Export-Import Bank of Korea	KEXIM
2	Korea Development Institute	KDI
3	Health Insurance and Review Assessment	HIRA
4	National Health Insurance Service	NHIS
5	Human Resources Development Service of Korea	HRD Korea
6	Korea Employment Information Service	KEIS
7	Seoul National University	SNU
8	Korea National Information Society Agency	NIA
9	Korea Land and Geospatial Informatix Corp	LX
10	Korea Land and Housing Corp	LH
11	Korea Research Institute for Human Settlements	KRIHS
12	Korea Research Institute for Vocational Education and Training	KRIVET

<b>Award Ceremony (B): KWPF Grant Teams</b>			
	<b>Grant Name</b>	<b>Award Category</b>	<b>Task Team Leader</b>
1	IOT in Agriculture- Sensor Application for Irrigation Efficiency	<b>Best Designed Pilot</b>	Vikas Choudhary
2	Expanding Finance to Smallholder Farmers through the Utilization of Big Data from Mobile Technology	<b>Best Evaluation of a Digital Technology Solution</b>	Asuka Okumura
3	Kenya: Accelerating Disruptive Technology Innovations Across Agriculture and Food Systems	<b>Most Innovative Approach to Scaling Disruptive Technologies for Development Outcomes</b>	Parmesh Shah
4	Pilot Program to Test Virtual Reality Training Programs for Technological and Technical Courses in Higher Education	<b>Best Program Design for Scale-up and Replication at the National and Regional Levels</b>	Diego Angel-Urdinola
5	Pilot Program to Test Virtual Reality Training Programs for Technological and Technical courses in Higher Education	<b>Most Effective Partnership with a Korean Institution</b>	Diego Angel-Urdinola
6	The Korea-World Bank Smart City Partnership Program	<b>Best Use of Technical Assistance to Mainstream an Innovative Development Approach</b>	Narae Choi
7	The Korea-World Bank Smart City Partnership Program	<b>Best Synergy Between World Bank and Korean Experts</b>	Narae Choi
8	Combating Cybercrime I and II: Tools and Capacity Building for Emerging Economies	<b>Best Analytical, Advisory, and Capacity Building Program</b>	David Satola
9	Saint Lucia and Saint Vincent & The Grenadines: Accelerating Progress Towards UHC in the Era of COVID-19	<b>Best Client Orientation and Response to Client Demand</b>	Edit V. Velenyi





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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

**ActiVaR 2.0: Scaling up Active Training Using Augmented and Virtual Reality in Latin America**

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#### **Moderator**

Jaime Saavedra Chanduvi, Global Director, Education Global Practice, The World Bank

#### **Introductory Remarks**

Seung Yong Yoon, President, Namseoul University

#### **Presentation**

Robert Dean, Faculty, Namseoul University

Diego Angel-Urdinola, Senior Economist and Skills Global Lead, Education Global Practice, The World Bank

#### **Panel Discussion**

Sang Bin Lee, Dean of International Affairs, Namseoul University

Ted Sandiford, Faculty, Saint Arthur Lewis Community College



This session will provide an overview of ActiVaR 2.0. This program builds upon ActiVaR 1.0 and aims to develop Latin American countries' capacity to design and implement training programs that use the Metaverse (Augmented and Virtual Reality) to foster more engaging, personalized, and interactive learning for college students.

This session will be moderated by Jaime Saavedra Chanduvi (Global Director, Education Global Practice (GP), The World Bank).

## Moderator



### **Jaime Saavedra Chanduvi**

Global Director, Education Global Practice, The World Bank

Jaime Saavedra currently leads the Education Global Practice at the World Bank Group, where he oversees a US\$ 20 billion portfolio of education financing. He rejoined the World Bank Group in 2017 from the Government of Peru, where he served as Minister of Education from 2013 through 2016, being the first minister to continue in the same position across two administrations. Prior to assuming his role as Minister for Education of Peru, Jaime had a ten-year career at the World Bank where, most recently, he served as Director for Poverty Reduction and Equity as well as Acting Vice President, Poverty Reduction & Economic Management Network. Jaime has also held teaching and research positions in academia and has published extensively. He holds a Ph.D in economics from Columbia University and a Bachelor's degree in economics from the Catholic University of Peru.

## Introductory Remarks



### **Seung Yong Yoon**

President, Namseoul University

Dr. Seung Yong Yoon became Namseoul University's fourth president in August 2018. Under his leadership, the University has grown to become a major comprehensive regional university with about 10,000 students in enrollment. Dr. Yoon's professional and academic career has focused on advocating for public service and educational excellence. Prior to his appointment as Namseoul University president, he served as spokesman and Senior Secretary for Public Affairs to the President of Korea and then as president of the central campus of the Seoul Institute of Technology and Education where he developed a strong commitment to TVET education. Dr. Yoon earned a bachelor's degree in literature at Seoul National University while his masters and doctoral work were in journalism.



## Presentation



### **Robert Dean**

Faculty, Namseoul University

Robert Dean is a professor at Namseoul University (NSU) in South Korea where he teaches Motion Arts and VR/AR Design. He has over 30 years of experience working in art, design, and technology education in Korea. Prior to his current position, Robert was the Director of one of Korea's first Media Art Galleries where he focused on showcasing technology-mediated art experiences. At NSU his research has evolved around developing VR/AR solutions for the classroom, with a special interest in TVET integration. Since 2019, he has worked on ActiVaR projects with the World Bank in Ecuador and the Caribbean. He also headed a project to develop virtual reality applications for the inaugural VR lab at one of Seoul's municipally operated vocational institutes.

## Presentation



### **Diego Angel-Urdinola**

Senior Economist and Skills Global Lead, Education Global Practice,  
The World Bank

Diego F. Angel-Urdinola is a co-Global Lead for Skills and the Tertiary Education and Skills Umbrella Trust Fund manager at the Education Global Practice at the World Bank. Diego leads lending operations, technical assistance, and applied research in education, skills, TVET, EdTech, and higher education. His work experience includes various developing countries and regions, especially Latin America, Europe and Central Asia, Sub-Saharan Africa, and North Africa. He has led high-level technical assistance programs and a varied portfolio of investment operations. Diego has published articles in various academic and non-academic publications, including the Journal of Economic Inequality, Journal of International Development, IZA Journal of Labor Policy, Labour Economics, Development Policy Review, Journal of Human Capital, and several working paper series and books. Diego has Ph.D. in Economics from Georgetown University.

## Panel Discussion



### **Sang Bin Lee**

Dean of International Affairs, Namseoul University

During his tenure as Dean of International Affairs, Sangbin Lee has prioritized bolstering services for international students at Namseoul University. With more than 1,600 international students from 27 countries, NSU has received a superior rating under the Ministry of Education's International Education Quality Assurance system for the 3rd consecutive year. His academic career spans more than 25 years in the field of physiotherapy with extensive research and clinical experience. He is active in international academic associations and has taught as a visiting professor at AUT University in New Zealand. His experience and dedication have helped to expand Namseoul University's international profile.

## Panel Discussion



### **Ted Sandiford**

Faculty, Saint Arthur Lewis Community College

Ted Sandiford is an Animation and Design Lecturer at Sir Arthur Lewis Community College in Saint Lucia. Ted is also a founding member of the Augmented and Virtual Reality Hub from the Organization of Eastern Caribbean Estates. Ted is also the founder of A.C.I.D Kreationz, a media arts and animation company geared at providing services such as 2D and 3D animation, graphic design, caricature, digital portraits, photo editing and acrylic painting. Ted holds a bachelor's degree on Media Arts and Animation of the Arts Institute of Pittsburgh.



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## **Session 3**

# **In-Depth Sessions: Results on the Ground**

### **TTL Lightning Talks: Maximizing Impact with KWPF Funding**

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#### **Moderator**

Brice Quesnel, Manager, Trust Funds and Partner Relations, The World Bank

#### **Lightning Talks and Panel Discussion**

David Satola, Lead Counsel, The World Bank

Asuka Okumura, Agriculture Economist, The World Bank

Gerald Ollivier, Lead Transport Specialist, The World Bank



In the TTL Lightning Talks, three task team leaders will share their representative stories and experiences collaborating with the KWPF; David Satola (with a focus on KWPF experience since the first call to the most recent call and three rounds of funding for cybersecurity), Asuka Okumura (with a focus on the pilot in Myanmar, implementation challenges, lessons learned) and Gerald Ollivier (with a focus on leveraging co-financing and TA from Korea).

The TTL Lightning Talks will be moderated by Brice Quesnel (Manager, DFTPR, The World Bank).

## Moderator



### **Brice Quesnel**

Manager, Trust Funds and Partner Relations, The World Bank

Brice Quesnel, a French national, is since September 2020 the Manager of the Trust Funds Policy and Partner Relations unit in DFi at the World Bank, a unit he joined in September 2015 as a lead Operations Officer. The unit is leading trust fund reforms at the World Bank and is more broadly in charge of trust fund policy design and implementation and institutional relations with development partners on trust fund matters. Before that, he worked as Program Manager in the Carbon Finance Unit of the Climate Change Global Theme between 2009 and 2015, and on Aid Effectiveness at OPCS between 2006 and 2009. Prior to joining the Bank, Brice was the manager of the division for Multilateral Banks and Official Development Assistance at the French Treasury. He started his career as project manager in the telecommunications sector. He holds a PhD in Physics and is a graduate of the Ecole Polytechnique in Palaiseau, France.

## Lightning Talks and Panel Discussion



### David Satola

Lead Counsel, The World Bank

David Satola is Lead Counsel, Innovation & Technology, in the Legal Department at the World Bank. He has global responsibility for legal aspects of reforms in information and communications technologies, including telecommunications, the Internet, e-commerce, cybersecurity, data protection and open source software. He leads the World Bank's initiative to build capacity to combat cybercrime ([www.combattingcybercrime.org](http://www.combattingcybercrime.org)) and represents the Bank at GFCE's Working Group C on Cybercrime, and at the e-Commerce Working Group at UNCITRAL. He also leads the Bank's Observer delegation to the Government Advisory Committee (GAC) at ICANN as well as the UN ODC Ad Hoc Committee. He is also a member of the Asia Infrastructure Investment Bank's Digital Infrastructure Regulation Forum. He is a member of the Advisory Committee of the Asia-Pacific Cybercrime Capacity Building Hub (hosted by the Korea Supreme Prosecutor's Office), as well as co-chair of the Technology and Law Working Group of the World Bank's Global Forum for Law, Justice and Development and co-Chair of the Cyberspace Law Committee of the American Bar Association's, Section of Business Law. Prior to joining the Bank, David worked in human rights law in Geneva, and later was involved in communications investments in the United States, Europe, Latin America and Asia, both as in-house legal counsel and in private law practice based in Brussels, London and Atlanta. David received his BA (1982) and MA (1984) in History from Johns Hopkins University. He also received a JD (1986) from the University of Wisconsin and studied at the London School of Economics and the Hague Academy of International Law.



## Lightning Talks and Panel Discussion



### **Asuka Okumura**

Agriculture Economist, The World Bank

Asuka Okumura is Agriculture Economist for the South Asia Region, Agriculture and Food Global Practice of the World Bank. Her focus areas are disruptive ag-technologies, agri-finance, and responsible and sustainable agribusiness. She is currently working for the World Bank's agri-food sector portfolio in South Asia, mainly in Bangladesh. She has been providing support on various lending operations and analytical works, especially on value chain development, agri-investment promotion, and ag-tech solutions. She also worked on several digital agri finance pilot projects in Asia and Africa. Before joining the Bank, she had been working for the private sector in the financial industry. She holds a Master's degree of Science in Finance from Georgetown University.

## Lightning Talks and Panel Discussion



### **Gerald Ollivier**

Lead Transport Specialist, The World Bank

Mr. Gerald Ollivier is Lead Transport Specialist for the World Bank in India. He focuses on developing solutions to enhance urban mobility, unlock markets for electric mobility, achieve sustainable economic integration through multimodal transport, and achieve safer transport to better serve the needs of India. Prior to India, he was Cluster Leader in the Singapore World Bank Hub and led the World Bank Community of Practice on Transit Oriented Development. From 2010 to June 2018, he supported the development of metro lines and high-speed rail lines in China, as team leader for several World Bank projects. From 1995 to 2010, he focused on World Bank trade and transport projects in Europe and Central Asia. He is a civil engineer and a chartered financial analyst.



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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

#### **Session 3.1**

#### **Promoting Smart City Development through Korean and Global Benchmarks**

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##### **Moderator**

Jason Allford, Special Representative, Korea Office, The World Bank

##### **Presentation & Panel Discussion**

Narae Choi, Senior Urban Development Specialist, The World Bank

Hendro Prastowo, Head of the Survey and Mapping Division, Provincial Land Office of DKI Jakarta, Indonesia

Jeonghee Jeong, Deputy Director, Korea Ministry of Land, Infrastructure and Transport



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This session presents the key achievement and takeaway of the Global Smart City Partnership Program (GSCP), which has been running for four years with the KWPF grant funding and contribution from the Ministry of Land, Infrastructure and Transport (MOLIT) in Korea.

The program supported nearly 50 World Bank Group engagements around the world in promoting smart city development, for which benchmarking and learning from Korean and global experiences were critical. The session introduces several engagement cases, including a presentation showcasing the 3D Cadaster based on the Digital Twin and Smart Land initiatives by the Ministry of Agrarian Affairs and Spatial Planning/National Land Agency (ATR/BPN) in Indonesia. This will be followed by a discussion of important lessons for advancing smart cities in developing countries.

This session will be moderated by Jason Allford (Special Representative, Korea Office, The World Bank).

## Moderator



### Jason Allford

Special Representative, Korea Office, The World Bank

Mr. Jason Allford is the World Bank Group's Special Representative to Korea, a role he commenced in August 2021. Mr. Allford manages the World Bank's Korea Office, a global hub on innovation and technology for sustainable development. The office has a team of more than 30 staff and consultants from diverse backgrounds focused on bringing lessons from Korea's development experience – particularly in relation to innovation, technology, and green growth – and applying them to the World Bank's operational work in other World Bank member countries. It links Korean public and private sector partners with other parts of the World Bank Group and with counterparts in other countries. The office was established in Songdo, Korea in 2013. The Korean Government and the World Bank Group renewed their support for the office and its role in the World Bank's work program for the third time in July 2021.

Mr. Allford was educated in economics at the University of Tasmania and the London School of Economics and Political Science. He joined the Australian Government in 1994, starting a career focusing on macroeconomic analysis, forecasting and fiscal policy. He has also worked for governments in Papua New Guinea and Indonesia. He previously worked at the World Bank Group from 2014 to 2018, representing fifteen countries from Asia and the Pacific on the Bank's Board of Directors. He has also worked as an adviser on fiscal policy to governments in Africa, Eastern Europe and the Middle East.

## Presentation & Panel Discussion



### **Narae Choi**

Senior Urban Development Specialist, The World Bank

Narae Choi is a Senior Urban Development Specialist for the GPURL. Ms. Choi leads the Global Smart City Partnership Program (GSCP) as well as the advisory services and analytics on Inclusive Cities in GPURL. She joined the World Bank in 2013 as a Young Professional and has worked on the national community-empowerment program of Indonesia, based in Jakarta. She has led urban operations in Rwanda, Tanzania, and Kenya, and has done much analytical work in Africa. She holds a doctorate (DPhil) in International Development from the University of Oxford, with a specialty in development-induced displacement and resettlement, slum upgrading, and affordable housing.

## Presentation & Panel Discussion



### **Hendro Prastowo**

Head of the Survey and Mapping Division, Provincial Land Office of DKI Jakarta, Indonesia

Hendro Prastowo currently serves as the Head of the Survey and Mapping Division at the Provincial Land Office of DKI Jakarta Province. Previously, he held several positions at the Ministry of Agrarian Affairs and Spatial Planning/National Land Agency, including Head of Cooperation Division for the Planning and Cooperation Bureau, Head of the 3D and Marine Cadastre Section, Head of the Base Measurement and Mapping Section, and Junior Mapping Surveyor. He graduated from Gadjah Mada University with a major in geodetic engineering and obtained a master's degree in land administration from the University of Twente.

## Presentation & Panel Discussion



### **Jeonghee Jeong**

Deputy Director, Korea Ministry of Land, Infrastructure and Transport

Ms. Jeong began her career as a public servant in 1996. Before her current position at the Ministry of Land, Infrastructure and Transport of Korea (MOLIT), she built her experience at the Overseas Construction Policy Division and River Management Division.

At the Urban Economy Division, Ms. Jeong is in charge of smart city cooperation. She oversaw MOLIT's technical assistance program for overseas smart city projects called 'K-City Network: Global Cooperation Program.' Currently, she organizes the World Smart City Expo (WSCE), which is the biggest smart city event in Asia Pacific.

She is keenly interested in knowledge-sharing communication and exchanges with people from diverse nationalities and backgrounds.





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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

#### **Session 3.2**

#### **Disruptive Digital Technologies to Transform Agriculture and Food Systems**

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##### **Moderator**

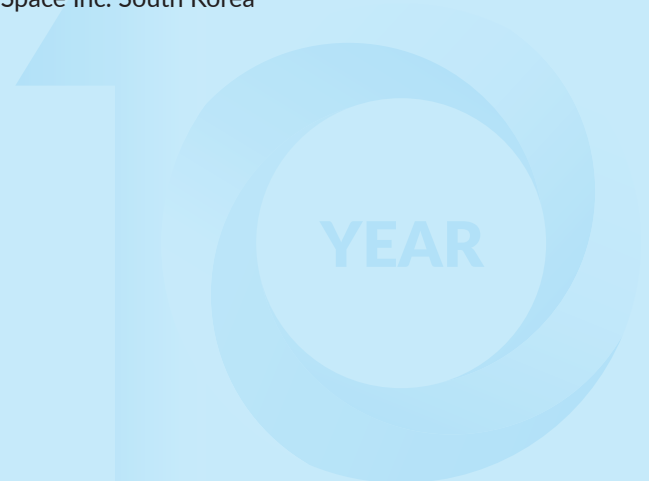
Zaki B. Khoury, Senior Digital Development Specialist, The World Bank

##### **Presentation & Panel Discussion**

Parmesh Shah, Global Lead, Data, Digital Agriculture and Innovations, Agriculture and Food Global Practice,  
The World Bank

Peninah Wanja, Founder & Managing Director, Farmingtech-DigiCow

Clifton Cheung, Global Business Development Head, Sherpas Space Inc. South Korea



**KWPF ANNIVERSARY**

KWPF has, in partnership with the World Bank, supported the use of disruptive digital technologies and data platforms to transform agriculture and food systems, particularly in the Africa region. After the Regional - Africa Disruptive Agricultural Technologies (DATs) Study, the One Million Farmers Platform (OMFP) was launched in 2019. Since then, the platform has grown from collaborating with 14 Ag tech startups to 27 and from 14 county governments to 36. This success has seen significant increase in Bank's lending and investing operations with data and digital components. The recently held Africa-Korea AgTech summit will further help in developing the regional platform for promotion of digital agriculture in Africa with participation of 21 start-ups from Kenya, Uganda, Ghana, Korea, India and Nigeria among others. These DATs will get an opportunity to work in Kenya, Uganda and other African countries by leveraging existing Bank-funded Agriculture projects in these countries. The Korea-based Ag techs will also work with OMFP which is scaling up to 4 million farmers in Kenya and Africa region.

World Bank with KWPF support has invested in the development of global knowledge and learning products including the first global certified e-learning course on digital agriculture with more than 1500 participants across 96 countries, the team has organized 70 webinars under the What's Cooking Webinar Series which has been attended by more than 10,000 participants. The team has also published multiple knowledge products including reports like Scaling Up Disruptive Agricultural Technologies in Africa, What's Cooking: Digital Transformation of the Agrifood System, and Digital Agriculture Profiles for countries among other products.

This session will inform the audiences about these technologies and innovations and the impact on farmers, particularly small holders particularly in Africa region with participation of African start-ups and testimonials from farmers.

This session will be moderated by Zaki B. Khoury (Senior Digital Development Specialist, The World Bank).

## Moderator



### Zaki B. Khoury

Senior Digital Development Specialist, The World Bank

Dr. Zaki Khoury is a Senior Digital Development Specialist at the World Bank' Digital Development Global Practice, and Task Leader of the Korea Digital Development Program (KoDi). His focus is on helping governments in advancing their data-driven digital transformation through enabling policies for digital infrastructure of the future (Cloud and AI), digital platforms and efficient services delivery, and effective use and reuse of data for innovative growth and development. He is currently supporting analytical and investment operations in East Asia Pacific and Middle East and North Africa regions.

Dr. Khoury is trendsetter with a growth mind-set who authored and spoke extensively on issues of digital transformation, disruptive technologies, and digital development. He works collaboratively across sectors and is an active leading contributor to the Global work on Artificial Intelligence (AI) for Development and Data Governance in Middle East and North Africa. He is also a member of the OECD network of experts on AI (ONE AI).

Dr. Khoury previously led Microsoft's cooperation with international organizations in the Middle East and Africa and with the World Bank in the public sector. He also managed the business operations in the Gulf region and supported public sector digital transformation across emerging and new markets.

Dr. Khoury holds a PhD in Planning (UdeM), an MSc. in Economics (UCL) and a BSc.in Engineering (AU). He has also continued his executive education in Business (Harvard) and Management (McGill).

## Presentation & Panel Discussion



### **Parmesh Shah**

Global Lead, Data, Digital Agriculture and Innovations, Agriculture and Food  
Global Practice, The World Bank

Parmesh Shah is the Global Lead for Data, Digital Agriculture and Innovation at the World Bank. He provides leadership to Bank's work in these areas and supports the development of global knowledge and learning in these areas to offer solutions to clients and other development partners. His current areas of interest are making markets and public services work for the poor, social entrepreneurship, digital and data-based innovations in agriculture and rural development, climate smart agriculture, Agriculture and technology enabled start-ups, venture and patient capital for innovation, promotion of on-farm, off-farm and digital jobs and public-private and people partnerships for rural poverty reduction. He is currently involved in developing a global program on scaling up data driven digital agriculture involving data platforms and establishing ecosystems for innovation, entrepreneurship and incubation. He holds a D Phil in Development Studies from Institute of Development Studies at the University of Sussex, MBA from Indian Institute of Management, Ahmedabad and B Tech degree in Agricultural Engineering from Pantnagar in India.

## Presentation & Panel Discussion



### **Peninah Wanja**

Founder & Managing Director, Farmingtech-DigiCow

Peninah Wanja is the Founder and Managing Director at FarmingTech Solutions LTD that innovates and develop mobile solutions in Agriculture, well known for DigiCow Dairy App.

As the MD, Peninah goal is to drive a portfolio growth aligned to successfully integrating Agriculture with IT solutions. Her responsibility is to provide overall strategic Direction, look for growth /investment opportunities and increase efficiency while speeding up business processes, skills sharpened in her over 10 years' experience in both Private and Government projects. She has successfully driven DigiCow to be an Award Winning Agricultural Online platform while ensuring that the farmers improve on productivity and profitability.

Peninah values the Small Scale Farmer having come from a farming Family herself. She is driven to make a measurable impact in her work, expand her knowledge and apply her skills in Africa and beyond.

Peninah holds First class Honors in Agricultural Education and Extension from Egerton University, and MBA (Finance) from Kenyatta University.

## Presentation & Panel Discussion



### **Clifton Cheung**

Global Business Development Head, Sherpas Space Inc. South Korea

Clifton Cheung is Global Business Development Head at Sherpa Space Inc. South Korea. Since graduating from the University of California, Berkeley as a pre-med student with an emphasis in Psychology and a Business, Clifton has followed his passion for entrepreneurship which include founding numerous startups across various consumer, retail, technology and manufacturing sectors both in the San Francisco Bay Area and across Asia. With over 19 years of business development and entrepreneurship experience, Clifton has a proven track record to launch successful businesses and gain traction. His latest venture includes launching one of the first ever connected health hardware and software platform company back in 2012 and Managing Director of one of the largest pharmaceutical promotional suppliers in the world. In 2017, he was invited to be one of the judging panelist at the Asian Leadership Conference organized by Hello Tomorrow startup event held in Seoul. He served as an Entrepreneur in Residence at Bluepoint Partners, a Venture Partner Firm based in Daejeon, Korea and have started a major consulting company helping startups across Korea reach global penetration and success prior to starting at Sherpa Space as the Global Business Development Head.



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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

#### **Session 3.3**

#### **Accelerating Progress toward Universal Health Coverage (UHC) in the Caribbean during the Era of COVID-19**

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##### **Moderator**

Daniel Dulitzky, Human Development Regional Director for East and Southern Africa Region, The World Bank

##### **Introductory Remarks**

Edit Velenyi, Senior Economist, Health Global Practice, The World Bank

##### **Presentation & Panel Discussion**

Alisha D. Eugene-Ford, Director of Universal Health Coverage, Saint Lucia, Ministry of Health

Nahum Jn Baptiste, Performance Based Financing Coordinator, Saint Lucia, Ministry of Health

Grace Walters, Hospital Administrator, Saint Vincente and the Grenadines

Seung-Ro Jun, Vice Manager, Seoul National University Bundang Hospital

The KWPF has provided catalytic financing for small Caribbean countries to help policy makers and practitioners take giant steps towards reforming the health sector, and implementing health systems' transformation during the COVID-19 pandemic.

In 2020 the COVID-19 pandemic brought many economies to a grinding halt and disrupted health systems. When this profound global shock distressed the world, the WB team was supporting with the governments of two small Caribbean island states: Saint Lucia, and Saint Vincent and the Grenadines. Both countries were committed to advancing major reforms in the health sector to expand Universal Health Coverage (UHC). However, they found themselves in an extremely difficult situation to sustain the reform momentum because the pandemic and natural disasters depleted their capacity and resources.

The KWPF grant-financed project "Accelerating progress towards UHC in the Era of COVID-19" came at a critical time for these countries to help them maintain their commitment to modernize their health systems.

Through focused diagnostics, technical assistance, policy dialogue, and knowledge exchanges -- the KWPF grant has accelerated ongoing health reforms to continue expanding UHC by building more resilient health systems.

The session will showcase how the KWPF played an instrumental role in shaping the reform agenda in these countries through:

- i) production of actionable data and analytics to offer country and region specific development solutions in priority areas;
- ii) knowledge transfer from reputable Korean institutions which shaped policy-making and accelerated the maturation of reforms: this will include knowledge transfer that has happened through the grant and opened possibilities for future engagement; and
- iii) creation of a Caribbean Knowledge Exchange Platform to share experiences and lessons on the journey toward UHC.

This session will be moderated by Daniel Dulitzky (Human Development Regional Director for East and Southern Africa Region, The World Bank).



## Moderator



### **Daniel Dulitzky**

Human Development Regional Director for East and Southern Africa Region,  
The World Bank

Daniel Dulitzky is Regional Director for Human Development in the Eastern and Southern Africa Region of the World Bank.

He is responsible for overseeing the World Bank program in Health, Education, and Social Protection and Jobs in Eastern and Southern Africa. His top priorities are to: (i) provide strategic vision and direction to the human development team, (ii) ensure that World Bank regional and country activities in human development are informed by global strategies; and (iii) encourage and support innovation in both knowledge work and lending.

Mr. Dulitzky, an Argentinian National, joined the Bank in 1999. He has since held various positions in Europe and Central Asia, Latin America and Caribbean, and East Asia and the Pacific Regions.

His most recent assignment was that of Regional Director for Human Development in East Asia and the Pacific Region. Previously he was Practice Manager for health, nutrition, and population in Europe and Central Asia and in Latin America and the Caribbean regions.

During his time at the Bank, he has also contributed to significant reform programs in health, social protection and education in numerous countries.

Mr. Dulitzky holds a Ph.D. in Economics from Massachusetts Institute of Technology (MIT).

## Introductory Remarks



### **Edit Velenyi**

Senior Economist, Health Global Practice, The World Bank

Edit Velenyi is a Senior Economist with the World Bank, currently working in the Latin America and the Caribbean Region. Her portfolio support client countries in designing and implementing complex reforms to expand Universal Health Coverage and strengthen health system resilience, including primary healthcare reform, hospital sector modernization, and sustainable healthcare financing. During her 20 years with the Bank, she has worked with the Health, Nutrition, and Population Global Practice, the Development Economic Research Group, and the Development Impact Evaluation Initiative, spanning Africa, Asia, and the Latin America and Caribbean regions, combining policy research with operational work. Between 2011 and 2013, she focused on the relationship between the macroeconomy, shocks and health financing, and systems resilience leading to several publications. Her doctoral thesis evaluated African health insurance pilots implemented through the Dutch Health Insurance Fund. Before her career with the Bank, Edit worked for a US-based NGO, the Voice of America, the Ministry of Foreign Affairs at the Embassy of Hungary in Washington DC, and the International Relations Directorate of the Ministry of Defense in Hungary. Edit holds a Ph.D. in Economics from the University of York, England; an MA from the Johns Hopkins University, School of Advanced International Studies, Washington, DC; and an MA from the Budapest Business School, Hungary.

## Presentation & Panel Discussion



### **Alisha D. Eugene-Ford**

Director of Universal Health Coverage, Saint Lucia, Ministry of Health

Dr. Alisha Eugene-Ford joined the Medical profession in 2005 after graduating from Carlos J. Finlay Medical University in Camaguey, Cuba. She worked at the Victoria Hospital for three (3) years before returning to study at the Kaohsiung Medical University in Taiwan where she obtained a Master's degree in Clinical Medicine. On her return, she worked as a District Medical Officer. She was also the Health Disaster Coordinator for the Ministry of Health. Dr. Eugene-Ford then went on and became the Senior Medical Officer (General and Infectious Diseases), and then the Medical Director at the Victoria Hospital in May of 2016. She continued as the Medical Director at the Owen King European Union Hospital (OKEUH)/ Respiratory Hospital and also held the position as the Clinical Lead at the Saint Lucia National Mental Wellness Centre. She also holds a Master's degree in Public Health and is presently doing a Doctoral Degree in Health Care Administration. Dr. Eugene-Ford also sits on the Research and Ethics Committee of the Saint Lucia Medical and Dental Council and on the Governance Team of the Kingdom Women of Influence with the Streams of Power Ministry.

## Presentation & Panel Discussion



### **Nahum Jn Baptiste**

Performance Based Financing Coordinator, Saint Lucia, Ministry of Health

Mr. Nahum Jn. Baptiste is the Performance-Based Financing (PBF) Coordinator of the Health Systems Strengthening Project within the Ministry of Health, Wellness and Elderly Affairs (MOHWE) of Saint Lucia. He is currently working on the design and implementation of the PBF Pilot, which focuses on Diabetes and Hypertension screening and Treatment services in the Primary Care Setting, introduces reforms in the delivery of these services including financial incentives for service providers (Primary Care Facilities) as well as subsidies for laboratory tests for patients diagnosed with the two diseases. Prior to joining the Project, Nahum worked as the Director of the HIV/AIDS Program and the National Epidemiologist of the MOHWE, and an individual consultant after retirement from Government. He holds a Master of Science (MSc) Degree in Medical Demography from the London School of Hygiene and Tropical Medicine (University of London).

## Presentation & Panel Discussion



### **Grace Walters**

Hospital Administrator, Saint Vincente and the Grenadines

Dr. Grace Z. Walters is a health care professional, worked in the health care system for the last twenty (20) years. As a clinician, her roles included the coordination and implementation of care and treatment for patients, families and communities. She planned and executed programs that were aimed at contributing to the health of communities and groups within communities, and as such she successfully maintained Adolescent Groups, Diabetic and Hypertensive Groups, Mens Health, Young Mothers support group and Alcoholics intervention group. In 2008, she chaired the committee to commence the creation of a Nurse Practitioners' protocol aimed at standardizing practice of Nurse Practitioners throughout St. Vincent and the Grenadines. In 2011, she also coordinated the National march and Rally for St. Vincent and the Grenadines. In March 2022, Dr. Walters taught in the Master of Science program with the UWI, Cave Hill Campus. Dr. Walters is currently the Hospital Administrator, and a part of the Management team of Hospital Services in St. Vincent and the Grenadines.

## Presentation & Panel Discussion



### **Seung-Ro Jun**

Vice Manager, Seoul National University Bundang Hospital

Seung-Ro Jun leads and organizes global knowledge-sharing and capacity-building programs and is the Associate Manager of Global Strategy and Development in Seoul National University Bundang Hospital, one of the top 5 acute tertiary hospitals in Korea, recognized worldwide as a Health IT leader. She has over 15 years of experience in healthcare, consulting hospital operations, supporting SNUBH's journey to receiving numerous global accreditations, and designing and executing multi-site education programs on hospital operation management and Health IT. Every year she presents various aspects of SNUBH to governments, medical professionals, and hospital administrators to share experiences and knowledge.



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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

#### **Session 3.4**

#### **Piloting Automated Sensor Applications for Improving Rice Water Use Efficiency**

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##### **Moderator**

Stuart Yikona, Finance, Competitiveness and Innovation Global Practice, The World Bank

##### **Presentation**

Vikas Choudhary, Senior Agriculture Specialist, The World Bank

Binh Thang Cao, Senior Agriculture Specialist, The World Bank

Tri Nguyen, CEO, MimosasTEK

Phan Vu Bang, Senior Researcher, Tra Vinh University



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The Alternate Wetting and Drying (AWD) is an irrigation technique where rice fields are alternately flooded and dried. It reduces water use in rice production up to 30 percent and greenhouse gas (GHG) emissions up to 48 percent without lowering yields. Despite these advantages, the broader uptake of AWD has been slow because it requires certain preconditions. Through KWPF financing support, the World Bank piloting deployment of sensor technology to promote the adoption of AWD among smallholder farmers in Vietnam. The pilot applied a rigorous research design that separated farmers into treatment and non-treatment groups. The pilots partnered with local technology providers who developed and refined the IoT solutions. The solutions comprised four components, namely:

- iv) water-level sensors in tubes to measure the water level in rice fields, equipped with wireless connectivity;
- v) a controller/gateway to collect data from the water level sensors and send them to the cloud; it also operates the pump via an electrical box with a wired connection to the gateway;
- vi) the cloud platform which stores data received from controllers/gateways; it also provides monitoring, control and statistic functions for endusers; and
- vii) enduser applications that allow monitoring the water level and in select locations to operate the pump.

The pilot calculated the key performance indicators water usage, irrigation cost, labor cost, and yield for different treatment groups, using data obtained from farmers' crop diaries.

This session will be moderated by Stuart Yikona (Program Manager, Finance, Competitiveness and Innovation GP, The World Bank).



## Moderator



### Stuart Yikona

Program Manager, Finance, Competitiveness and Innovation Global Practice,  
The World Bank

Stuart Yikona has been a Program Manager for the Seoul Center for Finance and Innovation of the World Bank based in Songdo, South Korea since September 2021. Prior to joining the World Bank in June 2005, he worked as a Consulting Counsel with the Legal Department of the International Monetary Fund from 2001-2005. He was a Senior Financial Sector Specialist in the Finance, Competitiveness, and Innovation unit in East Asia and Pacific based in Washington DC. He joined the East Asia and Pacific region in 2016, having spent 11 years in Finance, Competitiveness and Innovation's Financial Stability and Integrity Global unit. Stuart specializes in financial integrity, financial inclusion, risk-based supervision, anti-corruption, and governance. Stuart holds a Doctor in Juridical Science from the University of Virginia Law School focusing on Insider Abuse in Banking Institutions. He has advised client countries in Africa, Asia and the Pacific, the Caribbean and Europe & Central Asia regions on issues related to combating financial crimes such as corruption, the laundering of proceeds of crimes; conducting national risk assessments; developing risk based frameworks and their implementation; delivering capacity building programs to strengthen client countries capacity to combat financial crimes covering the financial sector and law enforcement agencies; and pursuing research on impact of ill-gotten money on the economy.

He co-authored a report on "Ill-gotten Money and the Economy, Experiences from Malawi and Namibia" (2011). He is also co-author of a report on "Pirate Trails: Tracking the Financial Flows from Piracy off the Horn of Africa" (2013).

## Presentation



### **Vikas Choudhary**

Senior Agriculture Specialist, The World Bank

Vikas Choudhary is an Indian National and joined the World Bank Group in 2008, as a consultant at International Finance Corporation. For the past four years, he was based in Ethiopia and led the Agriculture team working on Ethiopia, Sudan, South Sudan and Eritrea. He has delivered and managed lending and analytic operations in South Asia (India), East Asia (Vietnam, Mongolia), and Sub-Saharan Africa (Ethiopia, Kenya, Niger, Ghana). While based in Washington DC, he managed the operations of the Agricultural Risk Management Team spanning 13 countries. His interest areas are food systems approach, climate smart agriculture, value chains and agribusiness development, digital disruption in agriculture, resilience, and agriculture and rural development policy reforms. Prior to joining the Bank, he was Director, Global Economic Development at the Centre of High Impact Philanthropy at University of Pennsylvania (UPenn). He started his career with the Government of Rajasthan, India and subsequently worked with CARE-India; set up a USAID agribusiness project; and co-founded a felt export business. He holds a PhD in Development Anthropology and Master's in Public Administration from Syracuse University, USA and a Management degree from Indian Institute of Forestry Management, India.

## Presentation



### **Binh Thang Cao**

Senior Agriculture Specialist, The World Bank

Dr. Binh Thang Cao is World Bank's Senior Agriculture Specialist at the World Bank. He joined the World Bank in 1998 and is currently based in the Ho Chi Minh Office of the World Bank in Vietnam. His current work at the World Bank includes supporting and managing the World Bank-financed agricultural and climate change mitigation projects in Vietnam and Lao PDR. Dr. Binh has spent 25 years at the World Bank leading the preparation and implementation of projects in agriculture, livestock, fisheries, and aquaculture as a team leader. He has extensive experience in project design, implementation support, and monitoring and evaluation.

Dr. Binh holds a Doctoral Degree in Technical Science from the Asian Institute of Technology (AIT). Prior to joining the World Bank, he worked as a lecturer and faculty at Can Tho University in Vietnam.

## Presentation



### **Tri Nguyen**

CEO, Mimosatek

Tri Nguyen is Founder and CEO at Mimosatek, an agritech that bases on IoT technology and Data Analytic to transform conventional farming practices into advanced ones where resources usage will be controlled precisely and crop yield will be lifted to next-level.

Tri Nguyen has telecommunication background with expert certification from Cisco System and has more than 8 years in agritech with many useful solutions for smallholder farmers helping them improve their livelihood by increasing their farming productivity.

## Presentation



### **Phan Vu Bang**

Senior Researcher, Tra Vinh University

Mr. Pham is an experienced community development practitioner and a researcher who is keen on development studies and climate change adaptation. In particular, he has worked with many NGOs such as IFAD, FAO, GIZ, etc. for almost 10 years in some provinces in the Mekong Delta region, aiming to enhance the livelihoods of rural poor people, especially smallholder farmers.

Since joining Tra Vinh University and working as a researcher, he has continued his path by seeking for grants and carrying out research projects to enhance rural people's resilience to climate change, namely the USAID-funded project for water conservation and World Bank-funded project to promote the uptake of water-saving technology in rice cultivation in the Mekong Delta. These projects have inspired him to expand his horizons further into how to support rural and vulnerable communities to sustainably transform their livelihoods to adapt to a fast-growing climate change context.





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## **Session 3**

### **In-Depth Sessions: Results on the Ground**

#### **Session 3.5**

#### **Kenya's Nzoia River Basin, Flood Forecasting and Early Warning System**

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##### **Moderator**

Banu Setlur, Senior Environmental Specialist, The World Bank

##### **Presentation**

Jeanne-Rose Rene, CEO and Hydraulic Engineer, Hydro Talents

Gabriel Wambugu, Principal Hydrologist, Kenyan Water Resource Authority

Phyllis Wambui Wachira, Water Resource Management Analyst, Water Global Practice, The World Bank



The Lower Nzoia Basin, one of the ten flood prone areas in Kenya, like many catchments in tropical Africa, experiences high intensity rainfall which results in flooding in some of the most heavily populated areas of the basin near Lake Victoria leading to massive displacement of local communities, loss of life and property, disease outbreaks (mainly waterborne and water related) and an influx of land-based pollutants into the lake during the floods. Communities living along the floodplain areas downstream Busia and Siaya Counties and upstream Kakamega and Bungoma Counties experience regular flooding which has devastating impacts on populations and livelihoods. The area affected by flooding is estimated at 162 km<sup>2</sup> and estimated 85,858 people are affected by the floods.

The flood forecasting and early warning system (FFEWS) in Nzoia has been an integral and important lead illustration of a model flood risk management in the Country which has enabled the Kenyan Government and communities to take appropriate preparedness measures for impending flood situations to reduce flood damages and loss of lives. This has enabled the Kenya Meteorological Department (KMD) and the Water Resources Authority (WRA) to generate real time information providing 3-day forecast which is translated into a bulleting that the emergency committee uses to inform communities about risk of flooding.

This session will be moderated by Banu Setlur (Senior Environmental Specialist, The World Bank).



## Moderator



### **Banu Setlur**

Senior Environmental Specialist, The World Bank

Banu Setlur is a Senior Environmental Specialist at the World Bank's Europe and Central Asia Region and is based in Washington D.C. She is leading several multi-sectoral projects and technical studies in the Environment, Natural Resources and the Blue Economy Global Practice. Over 25 years at the World Bank, she has experience working on low, middle and high income countries on wide ranging projects related to sustainable development spanning the blue and green agendas including landscape restoration, climate change, natural resource management, disaster risk management, environmental policy and management, and the blue economy. She has worked in several countries across Africa, the Middle East and North Africa, and is currently managing projects in the Europe and Central Asia region. She has advanced degrees in Environmental Science, Environmental Management, and Public Policy from George Mason University, USA, and from the University of Manchester, UK.

## Presentation



### **Jeanne-Rose Rene**

CEO and Hydraulic Engineer, Hydro Talents

Dr. Jeanne-Rose René is a Hydraulic Engineer with over 12 years' experience at both river basin and urban scales within applied hydrology and hydraulics. She has international experience working with local river management authorities or other government authorities and organizations in several countries, including Africa, Asia, Eastern Europe, and the Caribbean. She has a very broad knowledge within water resources management and river basin development and worked on projects as diverse as water resources assessments, flood risk management, river basin planning including land and water conservation of watersheds.

She has supported in IWRM projects with the assessment of water resources balances of surface water and groundwater availability based on the present and future consumptive water demand by main water using sectors evaluated against climate change. Most of her career have been spent on projects related to the development, customization, hydrological and hydraulic modelling and installation of flood forecasting and warning information systems globally. The systems all integrate data management, forecast modelling and dissemination tools in a real-time data environment to assist in decision support. The projects have involved implementations in different parts of the world under very different conditions with respect to both infrastructure and skill levels, thus she has knowledge and experience in design of systems with high as well as low complexity. Many of the international assignments have also included capacity building with a comprehensive training of the local staff. Improving resiliency to floods or water scarcity of low resource, poor rural isolated communities has become one of her focus areas.

Dr. Rene was educated as a civil and environmental engineer (BSc Hons.) at the University of the West Indies in Trinidad and Tobago where she graduated and went on to UNESCO IHE in Delft (Netherlands) where she obtained a Masters in Hydraulic Engineering and River Basin Development. Dr. Rene has a PhD in Hydraulic Engineer from the University of Exeter, which was done in collaboration with DHI, where she was later employed in the water resources department (2011-2018). Since leaving DHI Dr. Rene has been a consultant providing analytical and advisory services in technical project management for the implementation of flood forecasting systems as well as support in the formulation of programs and initiatives relating to river basin management.

## Presentation



### **Gabriel Wambugu**

Principal Hydrologist, Kenyan Water Resource Authority

Mr. Gabriel Wambugu is a principal hydrologist working with Water Resources Authority (WRA) Kenya, a role he commenced in June 2012. Mr. Wambugu coordinates the newly established flood center, the National Flood Impact Assessment Center (NFMIAC), in WRA. The center was established under the Kenya Water Security and Climate Resilience Project (KWSCR-1) funded under the Korea World Bank Group Water Partnership Facility (KWPF). At the NFMIAC, the key roles are ensuring that quality hydrological data is available in real time for flood forecasting and rating data is updated regularly, ensuring a continuous data and flood information exchange between Kenya Meteorological Department (KMD) and WRA, overseeing the day to day functioning of the river flow monitoring network in assigned areas, conducting flood analysis, inundation mapping and impacts assessment on a daily basis, mapping of flood risk and vulnerability assessment, flood contingency planning and holding periodical meetings with the Flood Forecasting and Early Warning System (FFEWS) technical team.

Mr. Wambugu holds a Master's of Science in Water Resources Management from UNESCO-IHE, the Netherlands, and a Bachelors of Earth Sciences (Hydrology and Water Resources) from Maseno University in Kenya. He joined the WRA in 2012, where he worked as Hydrologist in the Integrated Water Resources Action Plan (IWRAP) funded by the Dutch Embassy, Hydrologist Researcher in the Maasai Mara Serengeti Initiative (MaMaSe) funded by the Dutch Embassy in Kenya and Tanzania, Basin Planning Specialist in the KWSCR-1 funded by the World Bank and currently as a NFMIAC coordinator in the component funded under the KWPF.

# Presentation



## Phyllis Wambui Wachira

Water Resource Management Analyst, Water Global Practice,  
The World Bank

Phyllis Wachira is a water resources management analyst in Water Global Practice for Africa East, a role she assumed in 2020. She has over 10 years of experience in water resources management previously working with the Kenyan Government in its Water Resources Regulation Authority. She is leading implementation of nature-based solutions in watershed management for 6 World Bank lending projects (Somalia, Malawi and Kenya) including advisory service and analytics for E.A regional water security and core country climate diagnostics.

While with the Government of Kenya, Phyllis worked at the Water Resources Authority headquarters in policy planning and strategic management for catchment management, at basin level in implementation of Catchment Management Plans and local level supporting Water Resources Users Associations in formulation, implementation, and monitoring of sub catchment management plans. She also led watershed management for two World Bank funded projects Kenya and Coast Water Security and Climate Resilience Projects and Integrated Water Resource Action Plan program under Worldwide Fund.

Phyllis also worked with University of Massachusetts Amherst for the Government of Kenya in piloting of the WB Decision Tree framework that address uncertainties in water resources projects, a bottom-up climate informed decision-making tool in water resources planning and management. Phyllis holds a Masters and Bachelor Degree in Environmental Science from Kenyatta University in Kenya.







# Korea-World Bank Partnership Facility



## Alexandra Pugachevsky

Program Manager

Alexandra Pugachevsky (Sasha) is Korea World Bank Partnership Facility (KWPF) Program Manager. She joined the KWPF team in August 2022. She was previously Country Program Coordinator for the Gulf Cooperation Council countries, managing one of the largest Reimbursable Advisory Services portfolios in the Bank and leading dialogue with the GCC countries counterparts (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and the UAE). Prior to that, Sasha worked in the Vice President's office of the Middle East and North Africa region and the Country Management Unit for West Bank and Gaza. Sasha started her career at the World Bank over twenty years ago in the Oil, Gas, and Mining department, covering operations in Francophone and Anglophone Africa, Central Asia and Yemen. Sasha regularly facilitates the Fundamental of Bank Operations and Investment Project Financing core curriculum courses. She holds a Master's from Georgetown University and a BA from the University of Pennsylvania.



## Kyungchul Nam (Lloyd)

Senior Financial Officer

Kyungchul Nam (Lloyd) is a Senior Financial Officer and a government secondee in Trust Funds and Partner Relations (DFTPR) of the World Bank. He advises and supports the KWPF secretariat on partnership with Korean knowledge partner institutions and Economic Development Cooperation Fund for co-financing. His career of 23 years in the Ministry of Economy and Finance (MoEF) of Korea centered on fiscal policies, budgeting, and PPP. He has worked as the directors for divisions in the MoEF such as SOEs policy, Welfare budget, Budget Standards, and Fiscal Management. From 2014 to 2016, he also worked for the World Bank in the South Asia Urban Unit. He graduated from Seoul National University and has a Master's degree in civil and environmental engineering from Stanford University.



## **Daksha Shakya**

Operations Officer, DFi

Daksha Shakya (Operations Officer, DFi) currently leads the World Bank's co-financing partnership with Korea's Economic Development Cooperation Fund (EDCF). She has been a core team member of the flagship trust fund programs of China, Japan, and Korea—the China-World Bank Group Partnership Facility (CWPF), the Korea-World Bank Partnership Facility (KWPF), the Japan Social Development Fund (JSDF), and the Japan Policy and Human Resources Development Fund (PHRD)—hosted by the Trust Funds and Partner Relations department. She joined the KWPF program management team in 2017. She is also the co-leader of the Women's Leadership Network at the World Bank Development Finance Vice Presidency (DFi). Daksha started her journey at the World Bank in 2012 in the then Africa region's Fragile and Conflict States unit (AFTCS). While at AFTCS, she worked on the Transitional Demobilization and Reintegration Program (TDRP) financed through a Multi-Donor Trust Fund (MDTF) as well as several Disarmament, Demobilization and Reintegration (DDR) projects in Rwanda, Burundi, DRC, South Sudan. Following her time in the Africa region, she moved to the ECA region where she worked on peacebuilding efforts in Ukraine, displacement of Syrian refugees in Turkey, and CSO engagement in the extractives industries of Ukraine and Albania. Daksha was born and raised in Kathmandu, Nepal and completed both her undergraduate and graduate degrees in the US. She has a Master of Arts in International Development Studies with a concentration in Economic Development from the Elliott School of International Affairs at the George Washington University, and a Bachelor of Arts in Mathematics from Ithaca College.



## **Salome Aganda**

Program Assistant

Salome (Sally) Aganda, a Kenyan national, is a Program Assistant with the Trust Funds and Partner Relations department at the Development Finance Vice Presidency (DFi) of the World Bank since 2019. She is a core team member of the China-World Bank Group Partnership Facility (CWPF) and the Korea-World Bank Partnership Facility (KWPF). She also works with the Financial Intermediary Fund (FIF) Trustee teams at DFi. Before joining DFi, she worked on the Somalia Multi-Donor Trust Fund program for 5 years contributing to the World Bank efforts in strengthening the country financial systems and capacity building support. Sally has an undergraduate degree in Library and Information Science with a focus on informing public policy. She is currently pursuing an MBA from the University of London.





## **Anthony Finn**

M&E Consultant

Dr. Anthony Finn is an international cooperation and conflict transformation practitioner. He guides governments as well as multilateral, bilateral and philanthropic donors in a wide cross section of social sectors including conflict transformation and reconstruction, governance, social inclusion, displacement and migration. He designs and implements programming and assesses development assistance in complex environments in ECA, MENA, Sub-Saharan Africa and SEA. Dr. Finn designs and leads root-and-branch evaluations of donor programming, multi-donor trust funds and single donor trust funds. He develops donor strategy and provides portfolio management services. Dr. Finn is the Executive Director of Montbretia Ltd, a consulting firm headquartered in the Republic of Ireland that since 2018 has been providing advisory services in international and cooperation.



## **Diego Catto Val**

Consultant

Diego Catto is a graphic designer based in Nelson, New Zealand, with over 15 years of industry experience. He studied Industrial Design in Sao Paulo, Brazil, gaining a deep understanding of effective communication and visually appealing content, as well as the skills to design functional and user-friendly products. Diego specializes in Editorial Design and loves vector illustration, approaching each project with a versatile and hardworking nature to achieve exceptional outcomes for his clients. He has worked with notable companies from all over the world, like United Nation and The World Bank and is proud of the long-standing partnerships he has formed. Diego has worked for the Korea-World Bank Partnership Facility since 2018.



## **Erin Aylor**

Consultant

Erin Aylor is an editor and content strategist with over two decades of experience in the public and private sectors. Erin started her career as a Foreign Service Officer at the US Department of State, where she served tours in Peru, Ukraine, and the Bureau of International Organization Affairs, deploying her fluent Spanish and picking up a little Russian along the way. After receiving her MBA, Erin served as the brand manager for The Economist magazine in North America, and then went on to serve as director of projects for The Economist's Group then-fledgling content marketing service, leading the ideation, development, and execution of multi-media content marketing campaigns featuring long-form articles, infographics, video animations and podcasts. Since 2016, Erin has been helping international companies and organizations, from ViacomCBS to The World Bank, communicate more strategically and creatively with their target audiences on social media, at live events, and, always, through compelling storytelling. Erin holds an MBA from the New York University Stern School of Business and a BA in Foreign Affairs and Spanish from the University of Virginia.



## **Kyongvin Lee (Jamie)**

Consultant

Kyongvin Lee (Jamie) is a Consultant in at the KWPF Program Management Team in Trust Funds and Partner Relations (DFTPR) of the World Bank. One of her recent collaborative projects in the team includes identifying the KWPF's 10-year milestones by researching and analyzing the trends in the engagement and partnership between the KWPF task teams with the Korean knowledge partners. She was also part of the project team for the publication of the KWPF Korean Knowledge Partner Directory 2023, which serves to support strengthening the opportunities for potential partnership between the World Bank clients and the Korean knowledge partners. Prior to joining the World Bank, she was a public diplomacy manager, specializing in partnership building and project management and operations. She was also involved in consulting projects promoting private sector-led solutions to development challenges, such as the green solar energy project for the off-grid communities in Myanmar, and the business accelerating project for young social innovators in Indonesia. She has experiences working at the United Nations office, international NGO at its Geneva U.N. office in Switzerland, and Korean Embassy in Washington, D.C. She holds a Master's degree in Management at the Gies College of Business from the University of Illinois at Urbana-Champaign and a BA in International Studies from Kyung Hee University.





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