

# KGDTF NEWSLETTER



June 2022  
[www.wbgkgdtf.org](http://www.wbgkgdtf.org)

## FEATURE STORY

### [KGDTF Annual Report 2021](#)



The [Korea Green Growth Trust Fund \(KGDTF\)](#) leaps out as a unique trust fund devoted to green growth and sector-neutral approach to global challenges within the World Bank. The recently launched [KGDTF Annual Report 2021](#) signifies its continued efforts to build on the 10-year legacy of promoting green growth and Green, Resilient, and Inclusive Development (GRID). The report features KGDTF activities, performances, and impacts in 2021. 17 KGDTF Impact Stories including 4 Up and Coming Grant Stories show how the KGDTF supported to incorporate disruptive technologies and transparent governance models in addressing intertwined global issues such as food security and agriculture, drought resilience, solid waste management, renewable energy, and sustainable urban transport.

Since its inception, funds disbursed by KGDTF have leveraged over \$17 billion in World Bank lending and external co-financing, representing a huge impact of \$173 in lending for every \$1 invested. In 2021, KGDTF awarded 15 new grants totaling over \$10 million across 22 countries. The KGDTF portfolio has increased to a total of over \$98 million supporting 180 grants around the world.

[Download the KGDTF Annual Report 2021.](#)

[Watch a trailer video](#) which outlines the KGDTF Annual Report 2021.

## KGDTF PROGRAM SPOTLIGHT

### [I. Case Study for Greening the ICT Sector: Greening Digital in Korea](#)

TTL: Zaki Khoury (Senior Digital Development Specialist), Digital Development Global Practice, EAP Region



**Digital technologies** can play a crucial role in climate change mitigation and adaptation in sectors such as energy, urban, transport, and agriculture. Countries around the world are heavily investing in information and communication technology (ICT) infrastructure to drive the Fourth Industrial Revolution. However, rapid digital transformation also brings challenges as it increases the use of energy consumption and green house gas emissions. 14% of the global CO<sub>2</sub> emissions is estimated to come from the ICT industry by 2040. **Reducing the carbon footprint of the ICT sector itself is an urgent agenda to improve digital sustainability and ensure sustainable digital transformation.**

With support from **Just In Time Grant of the KGGTF**, the World Bank's Digital Development Global Practice (DD) published a report, "[Greening Digital in Korea: Korea Case Study for Greening ICT Sector](#)," and studied Korea's experience in greening its ICT sector. Korea is a leading country in introducing the green agenda to national policy initiatives and aligning its green ICT strategy with national GHG reduction targets. The report provides developing countries with valuable lessons on how the Korean government supported the development of innovative and energy-efficient digital infrastructure to decarbonize the ICT sector.

i) The World Bank Blog - [The nexus of green and digital: An opportunity or a challenge?](#)

ii) The World Bank Webinar - [Green and Digital: Accelerating Climate Action. Learning from the Korean Journey.](#)

## **II. Insect and Hydroponic Farming for Refugees and Host Communities**

*TTL: Dorte Verner (Lead Agriculture Economist), Food and Agriculture Global Practice*



**Insect and hydroponic farming technologies** increase access to nutritious food and animal feed while creating millions of jobs, improving the environment, and strengthening national economies. Insect farming is grabbing much attention as **a new source of livelihoods for displaced people in Fragility, Conflict, and Violence (FCV)-affected countries in Africa**. The refugees with practical skills and entrepreneurial experience in food and agriculture largely benefit from insect farming. They can feed insects with organic waste from households, reduce GHG emissions, and create climate-resilient livelihoods and the circular economy for food security.

**KGGTF Year 8 Grant – Novel Protein: Insect Farming for Food and Feed for a Circular Green Growth Economy** – supported the generation of new development knowledge on novel insect-based-protein, climate-smart production, processing, and commercialization in Sub-Saharan Africa. Learn more about the potential of insect farming in the recent **World Bank's Blog**, "[Could food, feed and fertilizer production by farming insects be a way for refugees and host communities to move from surviving to thriving?](#)"



More stories from Dorte Verner (The World Bank's Lead Agriculture Economist) are featured in the UK's Guardian, [Insect Farming as a Solution to Food, Feed and Fertiliser Crisis](#). Her astounding work on insect farming for human food and animal feed security in Sub-Saharan Africa was also presented and discussed at [Science Seminar Series by USAID](#) on June 29, 2022.

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## NEWS



**Dr. Hyoung Gun Wang, KGGTF Program Manager**, held a bilateral meeting with the members of the Korea National Assembly in Washington DC on June 21, 2022. Rep. Jong-hwan Do and Rep. In-young Lee discussed with Dr. Wang and Florence Lowe Lee (GABI President & Founder) global climate change issues and recent energy and food crises. Dr. Wang emphasized the urgent need to integrate climate and development to deliver Green, Resilient, and Inclusive Development (GRID) and the commitments of the World Bank through the Climate Change Action Plan 2021-2025. He also explained the roles and achievements of the KGGTF to mainstream green growth across World Bank operations.

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## RECENT EVENTS

[The Korea-World Bank Partnership Facility \(KWPF\) Forum on Innovation and Digital Entrepreneurship for Development](#) was held in Grand Hyatt Seoul on June 29, 2022. Innovation, Digital



Development, and Entrepreneurship have been key focus of the Korean-World Bank Partnership Facility (KWPF). The KWPF shared results achieved by three KWPF-funded representative activities on entrepreneurship ecosystems and digital business models, firm-level technology adoption, digital skills and entrepreneurship, disruptive agricultural technologies and innovations. The sessions highlighted how Korean expertise in innovation and digital entrepreneurship was leveraged and shared with client countries and beneficiary communities.

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## UPCOMING EVENTS



[The High-Level Political Forum on Sustainable Development 2022](#) will be held from July 5 to 15, 2022, by the [Economic and Social Council](#). The theme is “ **Building back better from the coronavirus disease (COVID-19) while advancing the full implementation of the 2030 Agenda for Sustainable Development** ”. The HLPF will review in-depth Sustainable Development Goals on quality education, gender equality, life below water, life on land, and partnerships for the Goals. The Forum will also reflect on how recovery policies can reverse the negative impacts of the pandemic on the SDGs and encourage countries to realize the vision of the 2030 Agenda.

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## KGGI WBG KOREA OFFICE GREEN GROWTH INNOVATION TEAM



### The Energy and Extractives Team, EEX

The GFRs of EAP Energy Transition PASA are being prepared with the Transportation team in Mongolia and Energy team in the Philippines. On June 14, EEX had a monthly meeting with KIAT to discuss the next steps in moving the proposal forward. KIAT received two proposals from the Bank EEX teams this year: one on floating solar panels in Sri Lanka, and climate change response measures in Pacific Island countries. On June 15, the team had a meeting with KEPCO to discuss Bitgaram International Expo of Electric Power Technology (BIXPO) events. On June 20, the team had a meeting with KEPCO on Knowledge Exchange opportunities. The meeting discussed to hold webinars with Bangladesh clients on the role of GIS in transmission asset maintenance and an off-line education course for Pakistan clients at KEPCO Academy. On June 22, the team met with KEITI and was introduced to their project support and collaboration with MDBs.



### The Environment Team, ENB

Under the ENB Environment and Climate Change PASA, firm hiring process for pillar 2 on plastics related innovations is almost completed. ENB is preparing KGGTF proposal to support plastic circularity in Malaysia, Thailand and the Philippines, which is linked to supporting Plastics Circularity and Blue Economy in the Philippines, Thailand and Malaysia (P176923). ENB is planning to host a webinar on “Marine renewable energy projects – environmental and social impacts.” The webinar will provide an overview of the potential adverse environmental and social impacts of marine renewable energy projects, including offshore wind and tidal generation projects.



### The Urban, Resilience, and Land Team, URL

[Smart and Green cities PASA](#) - The Smart cities PASA TA is progressing in Vietnam, which is co-financed by the KGGTF-funded ILGS-GER Activity. The TA in Vietnam is majorly about (1) completing land data (inventory of public assets) collection; and (2) integrating land information data and GIS data layer(s). The task team also has a fruitful discussion with KPOK team to further discuss collaboration opportunities for Pillar 2 of the PASA on knowledge dissemination. [ICT-based Land and Property Valuation in ASEAN PASA](#) – National case studies on property valuation are well underway. The team is progressively completing analytics for several countries in the ASEAN region, including Indonesia, Malaysia, Thailand, and Vietnam. A digital mass valuation pilot in Indonesia has been designed and implementation will commence following the conclusion of an ongoing procurement process.

# KGGTF K-PARTNERS



## K-Partner Newsletters

**KIAT** - Korea Institute for Advancement of Technology  
[Newsletter, June 2022 \(Korean\)](#)

**KOTI** - Korea Transport Institute  
[Newsletter, June 2022 \(Korean\)](#)

**KRIHS** - Korea Research Institute for Human Settlements  
[Newsletter, June 2022 \(Korean\)](#)

## About KGGTF

The Korea Green Growth Trust Fund is a partnership between the World Bank Group and the Republic of Korea, established in 2011 to support client countries as they shift to green development path. Both partners share a common goal to reduce poverty and promote shared economic prosperity in an environmentally responsible and socially inclusive way.

The Trust Fund finances on-the-ground programs as well as knowledge exchange activities, and to date has approved 180 programs. Based on strong performance, as well as increasing demand for collaborative development implementation programs, the fund now stands at US\$138 million.

*For more information about KGGTF activities please visit our website [www.wbgkgtf.org](http://www.wbgkgtf.org).*

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