



## DIGITAL DEVELOPMENT AWARDS - EXAMPLE PROJECTS

### *Examples of Digital Ecosystem Support Submissions*

#### Digital Inclusion in the Peruvian Amazon – Peru (2018 Digi Winner)

In 2018, only three percent of Peruvians in the areas served by USAID had access to the internet. The project launched a Global Development Alliance, a public-private partnership with USAID, the Government of Peru, and leading tech companies like Cisco and Yachay Telecommunications, to expand connectivity services with a reinforced emphasis on promoting digital skills training and opportunities to rural communities that have been forced to rely on illicit narcotics trade and coca farming. The project has the potential to expand connectivity services to more than 100 communities in central jungle regions and meet community requests for more training opportunities, catalyzing new opportunities through this partnership, and reaching 10,000 additional community members through expanded training programs, most of whom will be women, supporting USAID's goal of empowering women and girls.

#### Expanding Connectivity - Indonesia

As the world's largest archipelago, Indonesia is not an easy place to deliver Internet services. The rural areas that make up most of the country often lack any form of Internet connection. Even where there is a signal, few rural users can afford the cost of broadband. To address the larger ecosystem connectivity challenges, USAID helped draft and launch Indonesia's five-year national broadband plan in September 2014, which helped unlock \$130 million from the country's universal service fund and is estimated to generate \$23 billion in affordable, low-cost technologies to deliver Internet to underserved schools, local governments, rural health clinics and citizens at commercially viable prices. The Ministry of Communications and Information now has a 10-year plan to connect 74,000 communities using new, low cost emerging technologies based on the initial USAID pilot. The government is currently replicating the pilot in 800 new sites.

#### Strengthening the Digital Payments Ecosystem - Philippines

USAID worked with the Philippine Central Bank and the country's financial sector to improve the efficiency, reliability, safety, and interoperability of the retail payment system and strengthen the digital payments ecosystem. This support has played an important role in the country's journey to a cash-lite economy. A recent study by the Better Than Cash Alliance found that the Philippines has made significant progress, with the share of digital payments increasing from one percent in 2013 to 11 percent in 2018. This translates to a 20-fold increase in the volume of transactions, from a monthly average of 25 million in 2013 to 490 million in 2018. In terms of value, digital payment transactions quadrupled from a monthly average of \$6 billion in 2013 to \$24 billion in 2018.



## *Examples of Digital Technology Deployment*

### **Feed the Future Tanzania Land Tenure Assistance – Tanzania (2018 Digi Winner)**

This activity enhanced and utilized USAID's Mobile Application to Secure Tenure (MAST) program to capture locally gathered GPS data which is then mapped and registered by the District Land Office to provide official certification of village residents' rights to occupy land parcels. Recognizing the need for a way to track the sale and transfer of land rights, the project developed the Technical Register Under Social Tenure (TRUST) software, an open source program that allows District Land Offices and financial institutions to record all land transactions and even mortgages, creating a comprehensive and easily accessible digital record of all land rights. Thanks to this new open source platform, MAST and the Tanzania Land Tenure Assistance activity have transferred over 45,000 certificates (as of 2018) documenting village land ownership in Tanzania to the TRUST database.

### **FlaveDor, Moldova Competitiveness Project – Moldova (2018 Digi Winner)**

The FlaveDor activity, funded by USAID's Moldova Competitiveness Project, uses drones and GIS data to digitize the vineyard inspection process, allowing farmers to quickly inspect, identify, and isolate vines infected by *F. dorée* (a phytoplasma disease of the vine). Through the use of a specially designed drone and software system, the program can quickly scan all vines in a given area, pinpointing specific plants infected with the pathogen. Thanks to a cloud-based image processing software, it then shares that vine's location with the grower so a sample can be taken and tested to confirm infection. This streamlined process has been tested in other countries and is a proven method to save time, money, reduce pesticide use, and increase the accuracy of detection, with an 85 percent success rate in neighboring countries. The improved detection methods provided by these technologies help growers prevent harvest loss caused by *F. dorée* by 40 to 80 percent and improves the overall quality of their crop.

### **Maternal and Child Survival Program/WeMUNIZE – Nigeria (2018 Digi Winner)**

Faced with limited local record keeping and low levels of literacy and connectivity, the WeMUNIZE program, implemented by local technology start-up Black Swan Tech Ltd, uses a combination of digital record keeping and community engagement to increase early childhood immunizations in Sokoto state. Working alongside other development organizations and local and state governments, the project identifies local community leaders to send robocalls and SMS messages to mothers and caregivers, urging them to immunize their children. These calls use GPS to target homes with children under one year of age and help specially trained volunteers follow up with families. Each volunteer then uses the WeMUNIZE app to digitally record immunization information and take a photo of the child, printing it as an incentive for the caregiver and storing it as a way to track the child's development. These records are then monitored to ensure immunization schedules are followed, reducing dropout rates to under 10 percent.