

ICTs along the Ag Value Chain

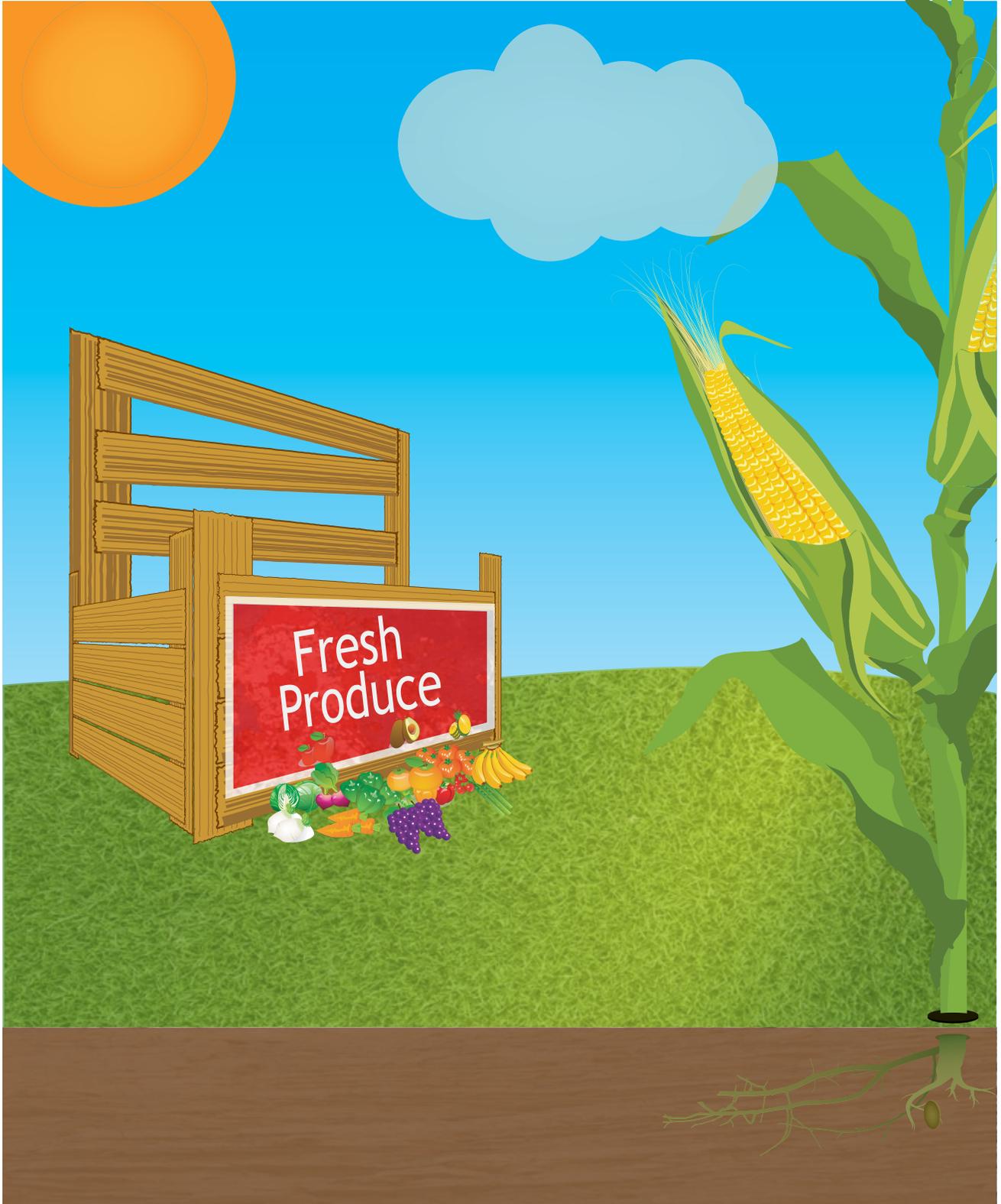


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Research & Development

Africa Trial Sites (AfricaTS)

AfricaTs.org is a network for cultivar trials in Africa, promoting variety evaluation for crop improvement. The project aims to manage information related to trial sites in a standardized way, and also hopes to have research organizations pooling information on trial sites and making it available to the crop improvement community in a way that would promote a more efficient evaluation of improved varieties.

AGORA

Access to Global Online Research in Agriculture (AGORA) is a program that provides free or low cost access to major scientific journals in agriculture and related biological, environmental and social sciences to public institutions in developing countries. Launched in October 2003, AGORA provides access to 1900 journals from the world's leading academic publishers.

Agriculture Regulations (Title 7 Code of Federal Regulations)

The features of the complete text of Title 7 CFR, Agriculture, on your iPhone include complete offline access, tables and images, bookmarks, full-text search, header only search option, search highlighting, context-sensitive search, saved search history, and email sections.

Agro-Insight

Agro-Insight uses of digital videos for improving extension services delivery. Agro-Insight works closely with institutions and organizations to enhance their impact on rural communities through reflective research and effective video, radio and print material production. In addition to the emphasis on local farmers activities, Agro-Insight aims at contributing to a more sustainable agriculture and trade by enhancing reflection and learning among farmers, the R&D community, agribusinesses and civil society.

ARENET

Agricultural Research and Extension Network (ARENET) is a web portal created to strengthen the links between the National Agricultural Research System (NARS) and the National Agricultural Advisory Services (NAADS) program and its related extension service providers. It is dedicated to helping anyone involved in improving rural farming to readily access practical, technical and relevant agricultural information from various national and international sources.

CELAC Project

The Collecting and Exchanging of Local Agriculture Content (CELAC) Project seeks to collect and exchange local agricultural content that works from the farmers. The project then uses website, monthly online and quarterly off line Newsletter called the “CELAC News,” phone short text messages (SMS), radio call in programs, and music, dance and drama to disseminate the information.

eRails

eRails is an African Portal for Agriculture, a project of Forum for Agricultural Research in Africa (FARA) to build research knowledge management capacity within participating national systems of Africa. This service is for free for all those living in Africa working for agricultural and rural development. As an account holder you are entitled to create various websites in order to publish information about your projects and activities. eRAILS is easy to use and requires no programming skills.

Ghana Agricultural Information Network System (GAINS)

GAINS links the libraries of all the agricultural research institutes under the CSIR and the Faculties of Agriculture libraries of the government funded Universities, the library of Biotechnology and Nuclear Agricultural Research Institute (BNARI), the library of the Institute of Industrial Research, the library of the Science and Technology Policy Research Institute, and the library and information resource centre of the Ministry of Food and Agriculture (MOFA). GAINS Coordinating Centre linked to all the 18 participating research institutes (PRIs) electronically.

INFORNET

The INFORNET project improves the flow of information between researchers, extension workers and farmers by repackaging scientific research reports into relevant and readable agricultural Information Products that help farmers improve their crop production.

Kenya Agricultural Information Network (KAINet)

The Kenya Agricultural Information Network (KAINet) is a national initiative in response to demand from the national and international community to promote information exchange and access among stakeholders in the agricultural sector. Access to a national agricultural electronic repository of information in full text and metadata, content from the participating organizations include technical notes, manuals, conference proceedings, research notes, sessional papers, journals, annual reports and project reports are made available through the KAINet website.

National Agricultural Information Services (NAIS)

NAIS of Zambia involves managing the information flow between Lusaka and district station Kasama in the North of the country. This project aims to improve information flow within NAIS through the use of internet; strengthen linkages between agricultural research, extension, farmers and other stakeholders; increase the capacity of NAIS to collect, process, package, store and disseminate agricultural information and increase capacity of NAIS to publish in more accurate and appropriate formats.

National Farmers Information Service (NAFIS)

The VERCON aims to harness the potential of the Internet and apply it to strengthening and enabling linkages among the research and extension components of the national agricultural knowledge and information system. The overall goal of VERCON is to improve, through strengthened research-extension linkages, the agricultural advisory services provided to farmers and in particular to resource poor farmers in order to increase production in food and agriculture with the goal of raising farm incomes.

OakMapper

This mobile application allows users to view officially confirmed and community-submitted occurrences of Sudden Oak Death (SOD), to search for SOD incidents, and to report them to the geospatial enabled database, OakMapper.

Project Noah

The app asks people to upload photos, GPS coordinates and other anecdotal info about wildlife they see. An update to the app gives users digital badges for participating in these endeavors.

Rural Universe Network (RUNetwork)

This pilot project of the Caribbean Agricultural Advisory Service (CAIS) uses “Information Caf,s” with Internet connection to exchange knowledge and experience between rural communities, researchers and extension services. It provides CD-ROM based information and printers, scanners, digital cameras and audio recorders for capturing, storing and distributing local information.

Sene Kunafoni Bulon

The project improves information flows to farmers and transformers and to acquire knowledge about the production, conservation and commercialization of agricultural products. It improves the information flows between the head offices of the three farmers' organizations and their constituents. It translates, repackages and channels existing academic information on productivity, conservation, transformation and commercialization in ways that can be better absorbed and understood by local farmers.

SoilWeb

GPS based, real-time access to USDA-NRCS soil survey data, formatted for the iPhone. This application retrieves graphical summaries of soil types associated with the iPhone's current geographic location, based on a user defined horizontal precision. Sketches of soil profiles are linked to their official soil series description (OSD) page.

TEEAL

TEEAL is a digital collection of research journals for agriculture and related sciences. Researchers, students, faculty and librarians can discover and access thousands of full-text PDF articles without the use of the internet. TEEAL is available to institutions in income-eligible countries.

TreelD

TreelD allows the user to identify almost any tree in Northern America based on its name, scientific name, physical attributes (bark, leaf and fruit), geographic location. The app walks the user through the various methods of tree identification. The app contains thousands of images, illustrations and notations. Yet with only a few clicks, the user should be able to identify any tree in the forest.

Inputs

Agrian Mobile Information Center

AMIC gives users the ability to access Agrian's comprehensive and easy-to-use label database anywhere, any time on either an iPhone or iPod touch. It allows users to: access product information while in the field; search by product name, registered states, pest controlled and specific product use rates; additional information includes active ingredients, signal word, minimum air/ground diluents and safety information; can be updated regularly and information is available even when Internet connectivity is not available.

E-Voucher for Inputs

The E-Voucher technology allows eligible farmers to receive pre-paid mobile phone vouchers to use at agro-dealers. It replaces and enhances previous voucher systems that worked using paper vouchers. E-vouchers are more secure and allow instantaneous payment to the agro-dealer. The 'e-voucher project', is the first of its kind on the continent. According to participant Mobile Transactions Zambia Limited (MTZL) covers the delivery of products including seeds, fertilisers and herbicides.

Kilimo Salama

Kilimo Salama (?Safe Agriculture?) is an insurance designed for Kenyan farmers so they may insure their farm inputs against drought and excess rain. The project, which is a partnership between Syngenta Foundation for Sustainable Agriculture, UAP Insurance, and telecoms operator Safaricom, will offer farmers who plant on as little as one acre insurance policies to shield them from significant financial losses when drought or excess rain are expected to wreak havoc on their harvests.

Production

AgriFone

VaudioPhone's AgriFone service addresses the needs of farmers; agricultural workers, agribusinesses and input supply organizations. AgriFone service provides convenient and easy-to-use tools for farmers that are accessed through existing low-end mobile phones. Service allows farmers to record a voice message, attach a picture of the crops/produce to support the message and broadcast the message to subscribers grouped by regional/crop association.

Agrisnet

The objective of AGRISNET is to provide improved services to the farming community through use of ICT for farmers in India. It provides information to farmers on inputs so that they get alerted on quantity on the input and its supply chain; information of government schemes implemented in the state; recommendations based on soil test results and reduce indiscriminate use of fertilizers soil health; and updates farmers on latest technology in agriculture sector for improved productivity and quality farmers.

Crop Calendar

The Crop Calendar is a tool that provides timely information about seeds to promote local crop production. It contains information on planting, sowing and harvesting periods of locally adapted crops in specific agro-ecological zones. It also provides information on the sowing rates of seed and planting material and the main agricultural practices. It supports farmers and agriculture extensionists across the world in taking appropriate decisions on crops and their sowing period, respecting the agro-ecological dimension.

Dekalb Plant Population Calculator

The application determines the optimum planting population for your specific DEKALB corn or soybean seed based on your row width, soil type and maturity zone. It accurately calibrates your air seeder, seed drill or planter based on the specific seed size.

Dekalb Yield Estimator

An easy-to-download BlackBerry? app to generate a yield estimate for your corn and soybean crops. In-field tool to help farmers assess the yield potential of their maturing crops. Supports single and multiple sample location data. It generates individual and average yield estimates across multiple locations

Digital Early Warning Network (DEWN)

DEWN provided training and mobile phones to farmers in northwestern Tanzania so that they could recognize symptoms of the two diseases and text their findings to researchers. Information obtained from farmers was used to generate maps. The results was used to identify and validate cassava mosaic disease and cassava brown streak disease that are pandemic across East and Central Africa.

Distance and Area Measurement

This is Android app for agronomic efficiency by capturing the ratio between what is put into a given plot of land and what a farmer gets out of it.

DrumNet

Through a series of pilots, DrumNet built and operated an ICT-enabled platform that delivers services to agro-buyers, banks, farm input retailers and farmers. Through its work in microfinance and the agricultural sector, PRIDE has been at the forefront of ICT use in Africa. PRIDE will continue to innovate in this area by researching new business opportunities leveraging on the rapid spread of mobile phones in rural East Africa.

Farmer Voice Radio Project

Farmer Voice Radio is a network of radio broadcasters, agricultural experts, and farmers to provide millions of small farmers in Sub-Saharan Africa a broad variety of agriculture-related radio programming. Farmer Voice Radio gives small farmers access to current information, useful resources, and new farming techniques to help them improve their productivity, livelihoods and well being over the long-term.

Farmer's Friend

To address the information needs of the farming community, AppLab and its partners piloted Farmer's Friend, which provides crop and livestock pest and disease control information, planting, storage and harvesting tips, as well as regional weather forecasts. The technical farming information is provided by the content people.

FieldNET Mobile

Designed exclusively for Smartphones, FieldNET Mobile allows growers to fully control and monitor their irrigation pivots from anywhere. The vivid interface features real-time text alerts, water usage reports and more, resulting in less labor and added efficiency. Compatible with iPhone, Blackberry, and Android technology.

From the Field

It alerts users with the latest information from Pioneer's agronomy team while they're in the field.

Genuity Seed Selector

An easy to download BlackBerry app to help farmers find seed varieties with Genuity traits that are adapted to their soil type and maturity zone. A complete listing of corn, soybeans and canola seed with the latest traits such as Genuity, Roundup Ready 2 Yield, Soybeans and Genuity, SmartStax, Corn. It quickly sort seed varieties by soil type and maturity zone. It displays detailed information of each specific variety.

Growing Degree Days

Farm Progress Growing Degree-Days app measures the maturity of your crop by viewing current and past growing degree-days data for your farm's location. Growing degree-days (GDD) are a measure of heat accumulation used in agriculture to predict the date that crops will reach maturity. GDDs are listed by month and summarized for the year. The current year's growing degree-days are compared to the previous year's growing degree-days.

iCow

iCow is an application intended to help hundreds of thousands of East African farmers and ranchers earn a living. It is a voice based mobile application that helps farmers track the oestrus stages of their cows that enables them to better manage the breeding periods as well as monitor cow nutrition leading up to the calving day.

Improvement of Agriculture Related Information Channels to Farmers

The project aims to improve farmers' information and knowledge on production methods by the implementation of an improved information and communication system of the farmer federation FEPPASI. They regularly use multimedia tools, such as digital photo and video cameras, to document the tests of crops varieties in the fields, and to create training material on innovative production, food-processing methods, marketing skills, production of organic fertilizers, and techniques for the sustainable management of natural resources.

Infrared Sensors for Nitrogen Utilization

Infrared sensors help better target fertilizer for wheat on large commercial farms in northern Mexico, cutting production costs and reducing nitrogen run-off into coastal areas.

Low Frequency Array (LOFAR) Agro

A new radio telescope of the LOFAR (Low Frequency Array) project uses tens of thousands of antennas connected to each other with a large ICT infrastructure. LOFAR_Agro makes use of this infrastructure currently on the measurement of the micro-climate in potato crops. This information could be used to improve the advice on how to combat phytophthora, a fungal disease in potatoes within a crop, based on the circumstances within each individual field.

Mali Shambani Radio

Mali Shambani is an interactive radio program, which is designed to increase access to farming information for smallholder farmers and the fishing community in Kenya. The radio program, which in Kiswahili means “wealth in the farms”, is broadcast throughout the country with information adapted to local languages, issues, and needs.

MarketMaker

An interactive mapping system that provides a link between producers and consumers by locating agricultural business and products in participating states. The site improved connectivity of food producing farmers with new and economically viable markets.

M-Powering

IFFCO Kisan Sanchar Limited (IKSL), a subsidiary of IFFCO that provides mobile tele-services to the rural farmers. IKSL distributes Airtel SIM cards under the name “Green SIM” to the farmers and all subscribers are provided five 1- minute voice-based messages free of cost every day. Experts in the fields of agronomy, pathology, animal husbandry and entomology help generate and validate content related to agriculture.

Nano Ganesh

Nano Ganesh is a GSM Mobile based remote control system exclusively for the use with water pump sets in agriculture areas. The need of Nano Ganesh arose from the routine problems faced by farmers in operating the pumps. They are, fluctuations in power supply, difficult terrain, fear of animals on the way to pumps, hazardous locations of the pumps along the river or water storage beds, shock hazards, rains etc.

National Farmers Information Service (NAFIS)

Farmers receive and exchange timely news and information on agriculture, weather patterns and other related issues through their mobile phones. The service allows 4.5 millions farmers access to agricultural extension information through the web and telephony. Field officers update the system through the web and the same information is updated on the IVR (interactive voice response) accessible by any kind of phone.

New Pest Activity Alert

The PNW Nursery IPM website is designed to be dynamic, allowing growers and pest management professionals to give and receive information regarding pest activities in nurseries in the Pacific Northwest. The email Alert system is a free service sending out pest management information with regional, national, and international pest information pertinent to nursery production.

NEXT2 - GeoSocial App

Next2.us lets people connect around place and common topics of interest by SMS, mobile web or mobile application. It takes simple mobile phones without Internet connectivity and puts them on the Internet using SMS text messaging. Built for overlooked and under-served communities in emerging markets, Next2.us geosocial networking software lets subscribers signal what they have, want or would like to talk about and quickly connect to others nearby or around the world.

PureSense Irrigation Manager

The PureSense Irrigation Manager app brings the reporting power you've come to expect from Irrigation Manager to your iPhone, allowing you to be more informed, efficient and mobile than ever before. Using either the map or list view on the Home screen, access timely, accurate data for each and every one of your climate/moisture monitoring stations or irrigation sets. With a single tap in the Charts feature you'll be able to view the same powerful PureSense charts you use to support your irrigation decisions every day.

Radio Frequency Identification (RFID)

The U.S. Department of Agriculture (USDA) created the National Animal Identification System (NAIS) to implement radio frequency identification (RFID) systems for producers and animal health officials to respond to events affecting animals in the U.S.

Remote Irrigation Control

It schedules irrigation on-line from anywhere, with base station automatically controls valves. Wireless nodes for reaching remote manifolds, and flow sensors provide feedback. It also alerts in case of deviations.

Remote Sensing for Irrigation

WaterWatch, an advisory firm based in the Netherlands is using a low-cost remote sensing-based methodology to analyse the efficiency of the Office du Niger irrigation system in Mali. The scheme aims at improving the efficiency of the system to cope with future expansion, and to allow for competition for water resources from the development of nearby commercial sugar cane estates.

Revalor Fed Cattle Day Calculator

This app allows Cattle Feeders to determine the best re-implanting dates for feedlot steers and heifers. It has all-around implant programs that provide the best performance and quality grade results. It also allows for more aggressive implant programs with flexible terminal windows to increase performance. Utilizing more aggressive programs may result in reduced quality grade results unless the days-on-feed are increased.

Sauti ya wakulima

A collaborative knowledge base created by farmers from the Chambezi region of the Bagamoyo District in Tanzania by gathering audiovisual evidence of their practices using smartphones to publish images and voice recordings on the Internet.

Seeing is Believing-West Africa (SIBWA)

The SIBWA team provides farmers with very high resolution imagery (VHRI) of their land. The images are made by sensors on satellites and show a high level of detail. The images on Google Earth, for example, are VHRI quality. With this overview of the soil quality, farmers can organize the distribution of fertilizer throughout their fields and plan which crops should go in which areas.

Talking Book Device

A project that provides agricultural extension services using a small, handheld audio computer. It allows the user to play, record and categorize audio recordings. Audio may be transferred to other devices, and users can create their own content.

VASAT

Virtual Academy for the Semi-Arid Tropics (VASAT) is a platform established by ICRISAT primarily to foster drought preparedness among the rural farmers using a blend of innovative methodologies involving a triple-helix model. This model consists of curation of agricultural information, innovative ICT4D delivery mechanisms and Open Distance Learning (ODL).

Video Viewing Club

The project trains rural cocoa farmers in Ghana to produce videos that teach improved cultivation principles and pest management to their fellow farmers in order to tackle black pod disease, which can result in major crop losses. It uses Farmer Field Approach (FFS) approach, where farmers themselves are being trained in the production of video films that communicate the principles of improved cocoa cultivation to other farmers.

Productivity/Marketing

AAQUA

The aAQUA eAgriService is a problem-solving system dedicated to find solutions to problems posed by Indian farmers - small and large. Answers to your agri-related queries are sent in 24 to 72 hours depending on the difficulty. Experts are employees of their respective organizations and serve without charge. The best things in life can come free!

AgChat

Empower farmers and ranchers to connect communities through social media platforms. The AgChat Foundation is designed to help those who produce food, fuel, fiber and feed tell agriculture's story from their point of view. This weekly moderated chat has served as an international meeting place where the people of agriculture can discuss difficult issues, tell their farm stories and identify ways to connect with people outside of agriculture.

Avaaj Otalo

Is a voice-based community forum for farmers to access relevant and timely agricultural information over the phone. By dialing a phone number and navigating through simple audio prompts, farmers can record questions, review and respond to others, or access content published by agricultural experts and institutions. It also includes an announcements board of headline-like snippets updated regularly, and a radio archive to listen to past episodes of DSC's popular weekly radio program.

Awaaz.De

It is a participatory, voice-based platform that leverages the ubiquity of mobiles and the expressivity of voice. Awaaz.De's core functionality is a voice message board: people dial a local or toll-free number to post, browse, and reply to others' voice messages. Community managers use a web interface to moderate, categorize, and route questions to local experts for personalized response.

Banglalink Jigyasha

This agri-solutions service provide suggestions and answers to queries related to vegetable and fruit farming, poultry, livestock, fisheries etc. With 'banglalink jigyasha' SME owners and farmers from any part of Bangladesh are able to get the solutions to their problems by simply dialing 7676 or 7677 from their Banglalink connections.

Cameroonian Phone Farm

Phone farm (Allo Ingenier) provides services for farmers to call in with questions. If the agricultural expert on hand does not know the answer right away, he/she calls a specialist and gets back to the farmer. Farm phone not only provides answers for farmers but also helps agricultural experts to understand the important gaps in their knowledge.

Community Knowledge Worker (CKW) Program

CKW initiative is a distributed network of village-level intermediaries that are equipped with mobile phones and a suite of relevant applications to provide on-demand information to smallholder farmers and data to a range of agricultural actors, including government agencies, commercial buyers, and research organizations on best farming practices, market conditions, pest and disease control, weather forecasts, etc.

Digital Green

Digital Green is enabled by the recent advances in digital video technologies including low cost camcorders and PC solutions for editing digital video. These advances greatly lower the cost of the system, and also allow local development of video content. Videotaped demonstrations are not a complete extension solution because they lack the interactivity that is the hallmark of good extension. Digital Green relies on a local facilitator, whose role is to occasionally pause or repeat video in order to engage the audience with discussion and capture farmers' feedback.

e-Arik

The project provides all time expert consultation on agriculture production, protection and marketing aspects through ICTs. The project also provides training on ICTs and capacity building among the rural tribal children, youth, women and others.

E-Krishok

e-Krishok is a promotional campaign in motivating farmers to use information and advisory services of a Grameen Phone Community Information Center. Supported by Katalyst Bangladesh, a pro-poor market development project funded by a donor consortium of DFID, SDC, CIDA and Royal Dutch Embassy the campaign is being implemented by Bangladesh Institute of ICT in Development (BIID). The campaign promotes information and advisory services targeted to farmers in enabling them to address their agricultural problems and constraints to improved farm productivity.

Enhancing Access to Agricultural Information (EAAI)

EAAI is designed to develop and improve information and communication systems to enable easy access to agricultural information for rural women farmers. The project is ongoing in twelve parishes/villages within Maruzi and Kole counties in the Apac District in Uganda.

eSagu

eSagu is an IT-based personalized agro-advisory system that allows the formulation and dissemination of personalized advices without the need of the agricultural experts visiting each one of the farms benefiting from the program. The system has five elements - farmers, coordinators, agricultural experts, agricultural information system, and communication system. The use of farmers as coordinators assure the cultural link between agricultural experts and farmers of their villages, facilitating advice appropriation.

Lifelines

Lifelines India was launched in direct response to the need of bridging gaps in knowledge and help farmers access the expert advice they need, at the exact time they need it. LifeLines India is a novel initiative for information services delivery, which uses an innovative mix of internet and telephony to provide critical and timely information to communities in rural India - bridging the knowledge gap and promoting digital inclusion for them.

M-Kilimo

M-Kilimo is a unique and innovative service aimed at providing agricultural information, advice and support over the phone to smallholder farmers. The Kenya Farmer's Helpline provides high quality and reliable information to farmers to enable them to make more informed decisions throughout the land preparation, planting, pest management, harvesting, post harvest and marketing of agriculture produce including climate and weather information.

mKRISHI

TCS's mKrishi is a proprietary mobile agro-advisory system that allows farmers to send queries to agricultural experts in their local languages through a mobile phone and receive personalized advice or relevant information in the local language. The end-to-end mKrishi solution has been developed through the integration of technologies such as sensors, solar power, CDMA modem, CDMA network, GPS, handset with camera, binary runtime environment for wireless to develop multiple applications on the handset, client software (on mobile phone).

Mobile Information Platform (MIP)

This Mobile Information Platform is being used by farmers, cooperatives in Chile to provide their members with localized agricultural information on topics such as weather updates, crop prices, agriculture innovation techniques, crop illness and alerts on plagues, community related information, and other news.

Virtual Extension and Research Communication Network (VERCON)

Multi-purpose Community Telecentres (MCTs) are structures that encourage and support communities to manage their own development through access to appropriate facilities, resources, training and services. MCTs rely on such resources as public and community libraries and local mass media in order to facilitate access to information services and to improve the dialogue between citizens and local/national institutions.

Marketing/Productivity

e-Choupal

The eChoupal initiative enables rural Indian farmers to enhance their efficiency through price transparency over the Internet. Relevant and real-time information such as commodity prices & local weather forecast information. Customized knowledge such as farm management and package of practices. Supply chain integration for farm inputs whereby harvested produce is screened for quality and demand aggregation to ensure competitive prices and efficient logistics. Direct marketing channel for farm produce through lower transaction.

E-Krishi

The project connects farmers community throughout Kerala to have access to information on Market Demand, Prices, Good Agricultural practices, Quality Agricultural Inputs supported by a technology enabled robust transaction platform that facilitates all their offline activities.

Esoko

Software platform that facilitates the flow of market information between farmers, buyers, experts and other stakeholders involved in agriculture and rural development. It is managed over the web and provides live market feeds, direct SMS marketing, scout polling and online profiling and marketing.

E-TIC

The E-TIC project aims to provide tools and training components so that small farmers, herders and fishermen be better able to sell their products. Through the creation of this portal and a series of training courses for field connectors (youth, women, community radio journalists), the E-TIC project aims to provide knowledge relevant for efficient and effective farm management.

FrontlineSMS

FrontlineSMS is the first text messaging system created exclusively with the aim of improving communication among grassroots. By leveraging basic tools already available ? computers and mobile phones ? FrontlineSMS enables instantaneous two-way communication on a large scale. It's easy to implement, simple to operate, and best of all, the software is free. You just pay for the messages you send in the normal way.

Infonet-Biovision Information Platform

Infonet-biovision is a web-based information platform offering trainers, extension workers and farmers in East Africa a quick access to up-to-date and locally relevant information in order to optimize their livelihoods in a safe, effective, sustainable and ecologically sound way.

Linking Local Learners (LLL)

It links all those involved in the supply chain that is farmers, buyers, transporters, traders and retailers. LLL is developing the use of Market Access Companies (MACs) in Kenya, Tanzania and Uganda. The MACs are commercial initiatives but users only pay for the service if a deal goes through. It links small farmers with other key players in the market chain from producer to consumer in Fair Trade for all.

Mobile Agribusiness

Is a free web and mobile app available in 4 national languages that connects farmers to critical agriculture and market information (weather, crop pricing etc). It equips them with the right educational tools to enhance productivity, increase incomes, and empower a new generation of financially independent farmers.

Nokia Life Tools (NLT)

NLT is a platform that delivers up-to-date and relevant information from a wide range of agriculture, education and entertainment services directly to a consumer's Nokia phone. The information sent out to the consumer's mobile phone is targeted to the person based on his or her location.

Question Box

Question Box helps people find answers to everyday questions in the fields of health, agriculture, business, education and entertainment. Question Box is a simple telephone intercom. With the push of one green button, a person can connect to a live question and answer hotline service.

Wholesale

Africa Commodities and Futures Exchange (ACFEX)

ACFEX is a Pan-African multi-asset Derivatives exchange for Agricultural, Financial, Metal and Energy contracts. ACFEX will provide a continent wide price discovery mechanism, transparency, risk management and other services for its users. ACFEX will be a fully regulated market place in each country that it will operate in. We provide the most modern trading platform in Africa supporting FIX 5.0 native platform. The exchange will offer ultra fast connectivity and low latency. It will be integrated with one of the world largest clearinghouse to provide clearing services to all its clients.

Agricultural Commodity Exchange for Africa

The Agricultural Commodity Exchange for Africa is an Internet based regional agricultural commodity exchange operating in the spot and forward markets. It gives small-scale farmers leverage in negotiating for their crops by providing farmers with reliable market information, both pre and post-harvest, which improves competition and communications, and ensures higher prices for higher quality. ACE also helps improve access to local, regional and international markets for farmers.

DTN/The Progressive Farmer

This iPad app meets your information needs with access to award-winning agriculture news, commodity market data, and industry-specific weather intelligence.

Regional Agriculture Trade Intelligence Network (RATIN)

RATIN helps reduce regional food insecurity by strengthening the ability of markets to provide access to affordable food to poor households and improve food availability through providing adequate incentives to producers. RATIN also disseminates trade related information through TV and radio (Uganda and Kenya through partners), telephone (East Africa), newspaper (source of information for reporters), <http://www.ratin.net/> website and SMS.

Rural Information System (RIS)

RIS has services of a warehouse system (supported by the EU) which, once fully setup, will enable farmers to store their commodities, to transport their commodities to the market of their choice and to sell their commodities whenever they want. It also has services of a crop marketing bureau: Farmers are able to send and receive timely, accurate and adequate market information on markets for their produce thus enabling them to market their products at good prices.

Virtual City AgriManagr

Virtual City AgriManagr allows you to manage the weighing, grading and receipting of produce collected from each farmer at the collection point. The system also allows you to pay your suppliers using cashless transactions and track & reward your most loyal customers and suppliers. It automates produce purchasing transactions and reduces costs while improving relationships with customers and suppliers.

Retail

Agriculture Price Alert

Agriculture price alert sends push notification to your iPhone when prices reach the line you set, you don't have to keep app running to receive notification. You may set price alerts for spot month of agriculture futures price, keep track on the price change every 1 minute. You need internet accessibility to receive push notification , also send email when setting alerts in case of notification can't reach you. This app is not liable for any informational errors, incompleteness, or delays, or for any actions taken in reliance on information contained herein.

CellBazaar

CellBazaar aims at improving agriculture in Bangladesh, with the tag-line "the market in your mobile phone." By expanding market opportunities for traders and farmers, CellBazaar allows previously marginalized agricultural enterprises to flourish: earning larger profits and selling in bulk from a more advantageous position due to reduced costs.

Google Trader

Google trader is a suite of mobile applications, which allow people to access information, via SMS, on a diverse number of topics including health and agriculture tips, news, local weather, sports, and more. The suite also includes Google Trader, a SMS-based marketplace application that helps buyers and sellers find each other.

M-Farm

It enables farmers to inquire current market prices of different crops from different regions and/or specific markets; aggregates farmers needs/orders and connect them with farm input suppliers; enables farmers to sell collectively and connect them with a ready market

mFisheries

mFisheries is an innovative suite of mobile applications developed by a team at the UWI St Augustine campus to address the particular needs of the Caribbean fishing industry. mFisheries provides access to fish and fish processing best practices and connects suppliers and consumers, and takes advantage of the location positioning function common in most mobiles to provide navigational and search and rescue functionalities.

M-PESA

M-Pesa makes handling finances for small businesses easy. M-Pesa is accessible to its customers, as shops can be found easily nearby. Green M-Pesa shops are popping up everywhere in Kibera.

Reuters Market Light (RML)

RML offers Indian farmers up-to-date, customized commodity pricing information, weather information specific to their districts early in the morning, market prices from three selected markets, tips related to specific crops (chosen by the farmer) in the afternoon, and relevant national and international news in the evening.

Retail/Wholesale

AGMARKNET

AGMARKNET is an agricultural marketing information system network initiated by the Union Ministry of Agriculture in India. It aims at empowering farming community with Market Information, thereby expanding marketing opportunities for obtaining better returns. It helps improve information access and advisory services, and usher in rural prosperity and grassroots development in India.

Beef Producer

The Beef Producer app gives you vital industry news and information to keep you current in this key business sector. CME/CBOT markets, cattle industry and national agriculture news, commentary, input prices and related business information are available with this convenient easy-to-use application.

East African Fish Auction

This is fish trading, marketing and information system for East African fish and fish products on an auction trading model, both online ?using internet /telephone/fax and physical-auction floor. The system is pro- poor because it enables the small-scale fishermen to get integrated into the global economy due for their increased access to and use of information.

FAO Price Tool

A database currently includes over 1000 monthly domestic retail and/or wholesale price series of major foods consumed in 78 countries and 11 international cereal export price series, covering a total of 20 different food commodity categories. The Tool allows the analysis of different data series both in nominal and real terms, and for the conversion of quotations from national currencies to US dollars and/or to a common unit of measure (kg or tonnes), as well as comparisons of domestic and international price trends.

Farmer's Internet Café

Through the program, farmers, government and the people who engaged in trading, get the database facility for taking suitable decision and also help them to establish a sustainable price getting condition in the field of agricultural trading. An Internet facility has been established in the office of KADS for the convenience of farmers who will continuously get day-to-day trading details related to all the markets in and out of the country.

First Mile project

The First Mile Project is about how small farmers, traders, processors and others from poor rural areas learn to build market chains linking producers to consumers. Good communication is vital. The project encourages people in isolated rural communities to use mobile phones, e-mail and the Internet to share their local experiences and good practices, learning from one another.

Infotrade Market Information Services

INFOTRADE is a trade name of FIT Uganda LTD with the sole purpose of promoting Business and Agricultural market information in order to improve the availability and dissemination of production, market and transaction information of staple crops in Uganda on a regular basis. Print - Publishing of weekly Agricultural Market Report and annual market analysis reports. The system uses radio, SMS, notice boards, blackboards.

Livestock Information Network Knowledge System (LINKS)

LINKS livestock market monitors are typically drawn from collaborating national institutions of each major livestock market location in Eastern Africa. Market monitors are adequately trained in the use of livestock market data collection formats and are given adequate instruction and guidance on the proper ways of approaching sellers, brokers and traders to collect reliable data in an effective way. The monitors are provided with mobile phones and scratch cards to enable them send the collected data to the database system as soon as possible.

Market Information Service Facility and Training Project

Market Access Promotion Network (Mapronet) supports its affiliated small and medium sized co-operatives with information and capacity building. The project has 3 basic business information centers where farmers can access market information and other relevant agricultural information.

MoBiashara

MoBiashara connects people to goods and services they need via text messages, interactive voice response, or mobile web from their phones. With MoBiashara, consumers can query a retailer's inventory using text messages, interactive voice response, or mobile web from their phones.

SellSmart

SellSmart for BlackBerry app will assist farmers in Ontario in selling their grains (corn, wheat and soy) in the commodity market by providing the delayed futures price from CBOT (Chicago Board of Trade) and adjusted cash prices for Ontario grain elevators. A user account is not required and this tool is available to all users. Grain Farmers of Ontario (GFO) is an organization that represents over 28,000 farmers in Ontario. They perform services such as marketing, exposure, lobbying and economies of scale for their members.

Trade at Hand

Trade at Hand's consists of "Market Alerts" - a web-to-SMS tool that enables Business Support Organisations to transmit business opportunities, contacts and market news to targeted business people; "mCollect" allows national market price collecting and food security institutions to use the SMS channel to gather price information from their networks of rural market price collectors; and "Mobile Marketplace" that offers a virtual marketplace to small-scale producers who have access to a mobile phone, enabling them to advertise their products to big buyers.

ZNFU Price Information Site

ZNFU consists of price information website for agricultural commodities of the Zambia National Farmers Union. The ZNFU collects prices for the commodities on a weekly basis. These prices can be accessed using SMS or can be found on this website. Go to SMS Info for information on how to access the price information using SMS.

Policy

Agro App

Agro App allows agronomists to create and email paddock/field inspection reports whilst on the farm and have it distributed there and then. Benefits include time saving application, eliminates travel time to the office, standardisation & consistency across all clients, reduced paper work, automatic and centralised on-line filing system, utilises up to date technology, frees up time to increase individual output per day, good return on investment, and significant potential to increase bottom line. Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.

EpiSurveyor

EpiSurveyor lets users set up a worldwide, mobile-phone-based data collection system in minutes, for free. It is now the most widely used mobile data collection software in the world, with thousands of users in almost every country on earth.

iFormBuilder

iFormbuilder is a data collection tool capable enough for any sized project. Features include quick turn-around with over-the-air form distribution, real time data upload, offline data collection (out of service, no wifi), ensures accurate data capture and eliminates redundancy, immediately communicate changes and updates to your mobile workforce with server assignment and client-to-client assignment, massively scalable, more than 27 standard input widgets, data views including Map View, HTML View, PDF View and Excel View, data feeds (XML, JSON, XLS, RSS, ATOM)

Manobi

Manobi is a mobile data services operator. It provides information such as prices observatories, standards, guides for good practices; trade assistance such as exploitation management, graphs and plots, resources management; supply chain management such as directory or list of suppliers, access to loans, analyses and controls, expertises; marketing such as invitations to tender, negotiations, transactions; and communication such as messaging, forum and alarms.

Mobenzi Researcher

Mobile Researcher is a tiny application that can be installed on mobile phones for researchers to follow a step-by-step process to gather data, either by entering text numbers or by answering a series of questions designed to meet the specific needs of the project. The information can be sent instantly to the project office or securely stored on the mobile phone until the researcher is back within the range of a cellular network.

Open Data Kit (ODK)

An Android application used for conducting surveys. It helps to build a data collection form or survey; collect the data on a mobile device and send it to a server; and aggregate the collected data on a server and extract it in useful formats. This open-source suite of tools helps organizations author, field and manage mobile data collection solutions.

PoiMapper

PoiMapper is a mobile POI data collection and sharing solution developed for affordable GPS-enabled feature phones. PoiMapper makes fieldwork more efficient and reliable and improves the capability to plan and monitor field activities. It is suitable for development programs focusing on topics such as health, education and agriculture as well as for commercial use such as installation and maintenance of telecommunications equipment.

Traceability

ACTRES (Actuele Registratie)

A traceability application designed for the floriculture sector. It enables users to record activities such as fertilizer use, stocktaking and water meter readings on a periodic basis. It automatically compiles these data and makes them easily traceable along the supply chain, permitting certification for export. It may also be used as a crop management tool, permitting growers to see exactly what they've done over a period of time.

Integrating ICT for Quality Assurance and Marketing

The Integrating ICT for Quality Assurance and Marketing project helps to build an internal control system for the inspectors of Organic Producers and Processors Association of Zambia (OP-PAZ). With the open source database the inspectors are able to collect the necessary data (plot data, crop type, crop produce) on a handheld computer.

Jamaica Traceability System (JTS)

A state-of-the-art pest-incidence traceability system to ensure the gall midge and other pests do not become a barrier to North American and European market access. It is used to map location of pepper farms, and assignment of a unique code to each farm. It allows for the collection and recording of details on all parties involved at different stages in the supply chain.

National Livestock Identification System (NLIS)

This is hand-held device with computer chips, radio-frequency identification (RFID), a traceability system that includes the tagging of cattle with machine-readable chips. It is modeled off the Australian system, which is compliant with European standard.

Pesticide Initiative Program (PIP) Toolbox

An educational tool that offers access to a pesticide database and the EU regulations on active substances on food. Users can cross-search the database by country, crop, or active substance. It was specifically developed for small-farmers involved in horticulture.

PrecisionEarth

PrecisionEarth is an iOS based application for quickly collecting field boundaries and GPS located soil samples in the field on iPads and iPhones. It enables you to digitize fields and track them by associating them with a grower and a farm. It helps create and edit growers, create and edit farms, create fields by collecting them using your device's integrated location service or Apple approved GPS.

Reliable Information Tracking System (RITS)

RITS is one of Sustainable Harvest's initiatives to help smallholder farmers around the world better connect to the global coffee supply chain. RITS provides an innovative solution for smallholder farmers who want to compete and thrive in the specialty coffee market, and for roasters seeking to differentiate their product with a commitment to transparency and sustainability.

SourceTrace for Ag.

From faraway fields to buying stations, from auction to customer, following the links in an agricultural commodity supply chain can be a challenge of global proportions. The SourceTrace ESE? solution tracks the flow of goods at the source ? even in the world?s most remote areas ? and couples with bank and microfinance lending. Data collected on simple wireless devices can instantly feed sophisticated, powerful flow-of-goods analytics that let your company respond to the market instantly.