



IFDC CÔTE D'IVOIRE

Developing Agriculture from the Ground Up



ACTIVITIES REPORT

2022

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ACRONYMS & ABBREVIATIONS

AFO	AfricaFertilizer
ANADER	Agence National d'Appui au Développement Agricole
ASS	Sub-Saharan Africa
BoP	Base of Pyramid
BoPinc	Base of Pyramid Innovation Center
ECOWAS	Economic Community of West African States
CILS	Permanent Inter-State Committee for Drought Control in the Sahel
CNRA	Center National de Recherches Agricoles
CORAF	West and Central African Council for Agricultural Research and Development
EnGRAIS	Enhancing Growth through Regional Agricultural Input Systems
HPFB	Directorate General of Food Production and Safety
FIDA	International Fund for Agricultural Development
GIFS	Integrated Soil Fertility Management
GIZ	German Agency for International Cooperation
IFFN	National forest and wildlife inventory
IFDC	International Fertilizer Development Center
KDS	Koudijs Distribution Society
PAM	World Food Programme
PEA	Pole of Agricultural Enterprises
PPP	Public-Private Partnership
PPU	Uree Deep Placement
SNV	Dutch Development Agency
TAAT	Technologies for African Agricultural Transformation
UII	Universal Impact Indicator
UEMOA	West African Economic and Monetary Union
USAID/WA	United State Agency for International Development/West Africa
2SCALE	Toward Sustainable Clusters in Agribusiness through Learning in Entrepreneurship

VISION

VISION OF HENK, PRESIDENT & CEO OF IFDC

On January 1, 2023, Henk van Duijn was installed as the new President and CEO of IFDC. Henk's vision is: "One mission, one team" with the ambition to return to the center court of IFDC's expertise areas while building on IFDC's strategy 2020 - 2030.

To help address the challenges facing global food systems, IFDC has developed its Strategy 2020-2030, which outlines four pillars of its work: (1) *developing better technologies*, (2) *catalyzing agricultural productivity*, (3) *strengthening markets*, and (4) *enabling impact*.

"Under my leadership, in the coming years, the four pillars of our strategy will strengthen the core of IFDC's research and interventions. Together, the four pillars of our work will help farmers improve the health of their soils, agricultural productivity, and household incomes, thereby contributing to the food security and economic development of their villages, their nations, and the world." Henk van Duijn

Henk brings a philosophy of soil health as the basis of a holistic to agricultural development. The realization of this vision will be achieved through staff and capacity development, special projects, the establishment of a Fertilizer and Soil Health Innovation center, and broad-based consulting services.

With the leadership of Henk van Duijn, IFDC wants to return to the forefront of soil health and fertilizer worldwide in the next 3 to 5 years.

"IFDC will intensify its efforts to find solutions to future challenges through research on soil fertility and nutrient use efficiency. We have the knowledge and expertise to make a significant impact in sub-Saharan Africa, where soil nutrient depletion, both natural and human-induced, is an ongoing challenge."

Henk van Duijn,
President & CEO of IFDC



WORDS FROM IFDC COUNTRY DIRECTOR

After six years of continuous presence in Côte d'Ivoire, it is with great pleasure that we share with you this IFDC Year 2022 Activity Report to give you an idea of our achievements.

Since its establishment in Côte d'Ivoire, our organization has participated directly or indirectly in strengthening the national agricultural production system. Through our projects and programs, we provide constant support to actors in the agricultural value chains, including farmers, women and young people, who are the future of the nation.



The year 2022 has been a challenging one, due to a number of global contextual factors, including the COVID health crisis that our country, like every other country in the world, has experienced. However, we were resilient thanks to various forms of support, notably from the Ministry of State, Ministry of Agriculture and Sustainable Development (MEMINADER), our technical and financial partners, and above all the manifest commitment of the beneficiaries of our various programs.

In terms of tangible results, we have helped to improve productivity, strengthen agricultural entrepreneurship and improve access to markets. On the first front, we have trained over 28,000 farmers in the use of Agricultural Input Packages (AIP) and Good Agricultural Practices (GAP). We have also set up some twenty demonstration plots with market-garden, maize and rice growers to show them the importance of using appropriate, quality inputs to improve agricultural productivity. Secondly, one of the key results of the agricultural entrepreneurship component is support for formalization. By 2022, more than 30 organizations in the rice sector, covering all 5 PEA (Pôles d'entreprises agricoles) that we support, have been formalized. In terms of market access, to ensure efficient marketing of agricultural produce, we have facilitated business relations between value chain actors, with the aim of creating a permanent framework for interaction, and facilitating supply and sales channels.

These actions in favor of agriculture, a key sector for our country, would not have been possible without the strategic and solid partnerships we have established. To this end, we would like to thank MEMINADER for its unfailing support in the smooth running of our activities.

In this instance, we were able to operationalize our actions and achieve the results listed above thanks to our financial partners, from whom we received 635,521,047 CFA francs, or approximately \$1,056,068.74. We sincerely thank them for their commitment and trust.

We also owe our results to our technical partners, whose support was decisive in helping us achieve our objectives. We congratulate them and thank them for this shared success.

Finally, I'd like to pay tribute to the courage and availability of our multidisciplinary team for their self-sacrifice and motivation for the development of the agricultural sector in Côte d'Ivoire.

Thank you all for achieving these objectives and producing this report.

Olive M'BAHIA

Country Manager

1. INTRODUCTION

IFDC (International Fertilizer Development Center), founded in 1974 and based in Alabama, USA, is a public international institution working for food security and poverty reduction in developing countries through the development and dissemination of efficient soil fertility management technologies, and the development of agricultural input and output markets. IFDC is recognized as a global center of excellence, with offices coordinating the implementation of activities in several countries in North and West Africa, Eastern and Southern Africa and Asia.



FIGURE 1. IFDC 2020-2030 Strategy to Feed the World

Brief history of IFDC operations in Côte d'Ivoire.

Since its opening in 2016 in Côte d'Ivoire, IFDC has contributed to rural development through the implementation of various development projects and programs, including the Toward Sustainable Clusters in Agribusiness through Learning in Entrepreneurship' (2SCALE) phase 1 and 2, and through the Feed the Future Program "Enhancing Growth through Regional Agricultural inputs Systems" (EnGRAIS) in West Africa. This report provides an overview of IFDC's activities in Côte d'Ivoire for the year 2022, the related investments and the major results achieved.



M. KOUWARE / IFDC

2. IFDC'S CURRENT OPERATIONS IN CÔTE D'IVOIRE

CÔTE D'IVOIRE PROFILE & AGRICULTURAL ISSUES

Côte d'Ivoire is located in West Africa, bordered to the north by Mali and Burkina Faso, to the south by the Atlantic Ocean, to the east by Ghana, and to the west by Liberia and Guinea Conakry. The country covers an area of 322,462 km², with arable land estimated at 17 million hectares (CNRA 2021), or 53% of the country's total surface area.

Geographical and climatic conditions that favor the production of a wide range of crops make Côte d'Ivoire a country with enormous agricultural potential.

Côte d'Ivoire's economy is essentially based on agriculture, forestry, fishing and hunting, which are today the main source of employment (70% of the working population) and account for 26% of GDP and 60% of export earnings.

Agriculture remains the driving force behind the Ivorian economy, divided between cash crops (61.7%) (cocoa, coffee, rubber, cotton, oil palm, etc.), cereals and food crops (33.4%) (rice, yams, banana, corn, etc.), fruit crops (2.8%) (mango, orange, etc.) and vegetables (tomato, cabbage, carrot, cucumber, etc.). Through a joint study project with the CNRA in 2019-2020, soil mapping has been shared, presenting the grouping of soils into four (4) entities according to climatic, geomorphological and hydro-morphological conditions. Ivorian soils are of various kinds:

Desaturated ferralitic soils: mainly represented in three essential types:

- highly desaturated ferralitic soils found in areas where rainfall exceeds 1500 mm. From a pedological point of view, these soils are characterized by the presence of a thin humus horizon and a thin gravel

horizon;

- highly desaturated ferralitic soils with low rainfall. They form a transition zone between the soils described above and the moderately desaturated ferralitic soils;
- moderately desaturated ferralitic soils. These soils cover the rest of the country, or roughly the northern half of Côte d'Ivoire, with the exception of the north-western part. Here, the gravelly horizon is more important. There are also numerous areas of cuirassée.

Tropical ferruginous soils: these soils are characterized by a thick, gray, sandy humus horizon, a beige horizon and a clay-rich accumulation horizon. Within the "V Baoulé", there is a transition zone characterized by the phenomenon of ferruginous armoring, which can take on considerable importance when the natural plant cover disappears. The result is usually generalized induration of the profiles.

Soils on basic rocks with a cuirassment zone: These soils are defined by coarse elements consisting of more or less altered, ferruginous rock fragments and small black concretions. These soils are found mainly on volcano-sedimentary hill ranges, and are frequently juxtaposed.

Hydromorphic soils: These soils are associated with excess water due to temporary waterlogging on the surface or at depth, or due to the presence or rise in the water table. They are therefore found in areas with difficult drainage (low-lying areas), flood plains and coastal sands where the water table may vary.

In general, soils are undergoing significant and continuous degradation caused by overexploitation and the extension of agricultural areas using unsuitable techniques.

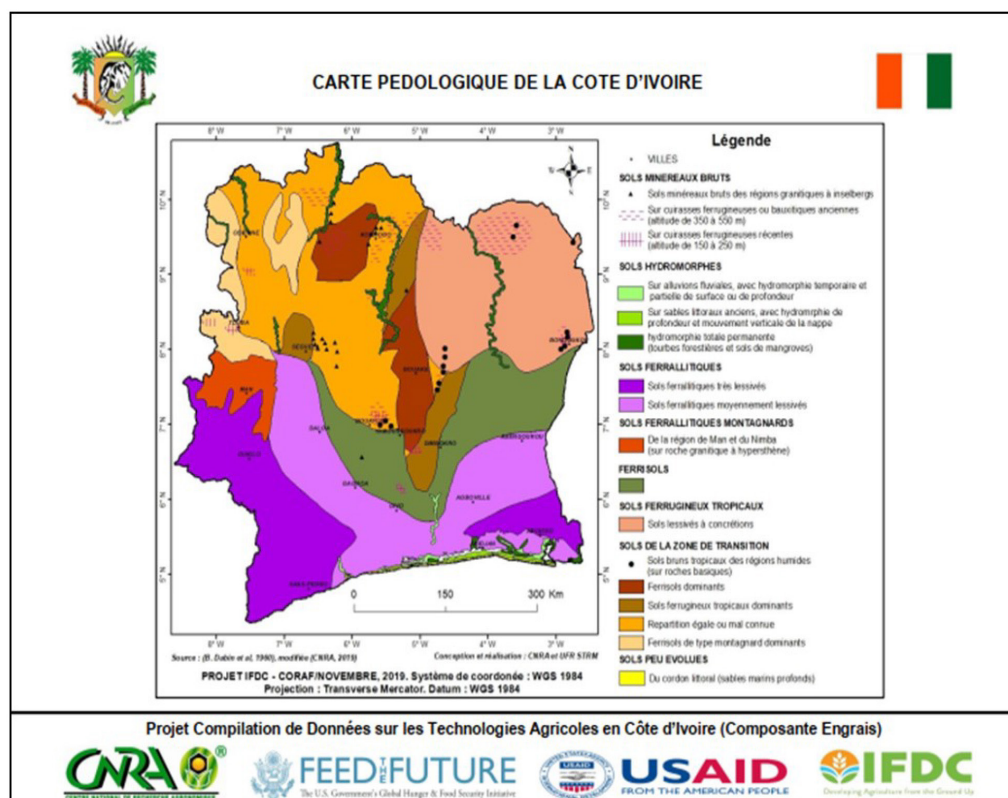


FIGURE 2. Soil Map of Côte d'Ivoire, CNRA 2020

Over the last century, Côte d'Ivoire's forest cover has fallen from around 16 million hectares to 2.97 million ha (IFFN, 2021), with 517,000 hectares of primary forest.

Numerous government efforts are attempting to remedy this situation. For example, at COP 15 in Abidjan in May 2021, the "Abidjan Initiative" - a program for sustainable soil management and forest ecosystem restoration - was launched, with 4 main pillars:

- ✓ Combating deforestation and restoring degraded forests and land
- ✓ Improving soil productivity
- ✓ The resilience of today's value chains
- ✓ Identifying the value chains of the future

IFDC, through its missions and its commitment to soil health and fertility,




is ready to start this march towards healthy soils for better agricultural productivity and national food self-sufficiency.

MISSION

With a view to contributing to rural development in developing countries, IFDC's mission is to develop, through a combination of innovative research, agricultural market expertise and strategic public-private partnerships, sustainable technologies for managing soil fertility and increasing agricultural productivity, which improve the income and well-being of both producers and entrepreneurs, while preserving the environment and natural resources.

OUR PREVIOUS WORK IN CÔTE D'IVOIRE

Table 1. Summary of IFDC interventions in Côte d'Ivoire from 2014 to 2018

Années d'intervention et activités	Partenaire de mise en oeuvre
<p>2014: Producing more rice with less fertilizer</p> <ol style="list-style-type: none"> 1. Improve productivity and regional supply of rice products 2. Promotion and dissemination of deep urea placement (DIP) technology 	 <p>FIRCA FONDS INTERPROFESSIONNEL POUR LA RECHERCHE ET LE CONSEIL AGRICOLES</p>
<p>2015: Review of the cocoa fertilizer market in Côte d'Ivoire and its use by cocoa farmers</p>	 <p>idh transforming markets</p>
<p>2016-2018: funded by IFAD with MEMINADER, diagnostic study of ESOPs (Entreprise de services et Organisation de Producteurs) between Katiola, Korhogo and Ferkessédougou with a view to proposing a support plan for the future PADFA/IFAD project.</p>	 <p>REPUBLIQUE DE COTE D'IVOIRE</p> <p>MINISTÈRE DE L'AGRICULTURE ET DU DEVELOPPEMENT RURAL</p> <p>PROPACOM OUEST</p> <p>FIDA Fonds International de Développement Agricole</p>

Objectives of projects and programs implemented in 2022

AfricaFertilizer (AFO)

IFDC launched the AfricaFertilizer (AFO) initiative in 2009, in response to the 2006 Abuja Declaration to increase fertilizer use levels in Africa from 8kg/ha to at least 50kg/ha by 2015. The objectives of the AFO initiative are:

- ✓ Provide reliable, accurate and timely fertilizer data and information for fertilizer market information systems in Sub-Saharan Africa.
- ✓ Enlighten and stimulate the fertilizer market in Sub-Saharan Africa to promote interest in investments aimed at strengthening the industry.

AFO aims to provide reliable and accurate data and information on the fertilizer market in over 18 Sub-Saharan African (SSA) countries, including Côte d'Ivoire. This information should enable policy-makers to assess fertilizer use levels and make fertilizer-related decisions.

Feed the Future Enhancing Growth through Regional Agricultural Input Systems (EnGRAIS)

EnGRAIS is a five-year project funded by USAID's regional mission for West Africa (USAID/WA) that aims to address critical issues that limit the efficient supply and use of agricultural inputs in West Africa. EnGRAIS'

mission is to bring about strong, positive and sustainable change to improve farmers' availability and access to appropriate, affordable and quality agricultural inputs. The project works primarily with Regional Economic Communities, including ECOWAS and UEMOA, CILSS, research with CORAF as a technical partner, and public and private sector fertilizer value chain actors in the region, to create the tools and environment necessary to increase farmer productivity in West Africa.

2SCALE : Toward Sustainable Clusters in Agribusiness through Learning in Entrepreneurship

2Scale is an incubation program that manages a portfolio of public-private partnerships (PPPs) for inclusive businesses in the agri-food sector. The program is implemented in consortium by IFDC, SNV and BOPinc.

2SCALE focuses on the establishment of agricultural business clusters (ABCs) built around "champions". Champions are either entrepreneurial producer organizations or local SMEs that market or process farmers' products. 2SCALE offers a range of support services to these business champions, enabling them to produce, process and supply quality agri-food products. These products are aimed at consumers in local and regional markets, including Base of Pyramid (BoP) consumers.

By supporting these PEAs, 2SCALE develops local products and strengthens existing market systems to increase the consumption of healthy, quality products by populations at the base of the pyramid.

3. ACTIVITÉS PRINCIPALES EN 2022 ET RÉSULTATS

AfricaFertilizer (AFO)

In response to current trends in the fertilizer sector in sub-Saharan Africa, in 2022 AfricaFertilizer.org changed its name to AfricaFertilizer (AFO) and launched a revamped www.africafertilizer.org website and launched through, a hybrid event in Nairobi, Kenya. Key actors in the Côte d'Ivoire fertilizer value chain joined other stakeholders from sub-Saharan Africa and beyond to participate in the event. The new AFO website provides in-depth data on fertilizer supply chains and availability in over 18 sub-Saharan African countries, which stakeholders in Côte d'Ivoire can leverage to build their national fertilizer supply chain.

AFO, in collaboration with national partners, organizes annual Fertilizer Technical Working Group (GTTE) workshops in Côte d'Ivoire, to validate national fertilizer statistics in Côte d'Ivoire. In March 2022, the GTTE workshop brought together key Ivorian operators in the fertilizer sector, such as importers, manufacturers, fertilizer producers, and key representatives of public services including representatives of the Direction Générale des productions et Sécurité alimentaire (DGPSA) and customs services to discuss and validate statistics on fertilizer imports,

exports and consumption in Côte d'Ivoire. Following the Côte d'Ivoire 2022 GTTE workshop, AFO published an overview of national fertilizer statistics in Côte d'Ivoire. Fertilizer imports increased by 45%, from 390,935 tonnes in 2020 to 567,186 tonnes in 2021. Of the 567,186 tonnes of fertilizer imported, 86,560 tonnes were re-exported, mainly to Burkina Faso and Mali; and around 130,000 tonnes of fertilizer were not sold. High fertilizer prices, beyond the reach of farmers, are the main reason for low sales in 2022. The Ivorian Ministry of Agriculture, private fertilizer operators, development organizations and international trading partners have used this fertilizer information to draw up development policies and strategies. All this data can also be consulted dynamically on the AFO website. In response to the global fertilizer crisis, AFO, with the support of its partners, has launched the Africa Fertilizer Watch, covering more than 16 countries in sub-Saharan Africa, including Côte d'Ivoire. This dashboard provides a monitoring system to inform governments, development partners and the private fertilizer sector to respond effectively and efficiently to the evolving global fertilizer crisis, ensuring that sufficient quantities and appropriate fertilizers arrive in time for planting, with the aim of minimizing the effects of a food crisis in Africa.



FIGURE 3. Atelier de Groupe de Travail Technique Engrais en Côte d'Ivoire 2022

This dashboard regularly monitored the specific effects of the global fertilizer crisis on national fertilizer prices, limited supplier stock and affordability for producers in Côte d'Ivoire.

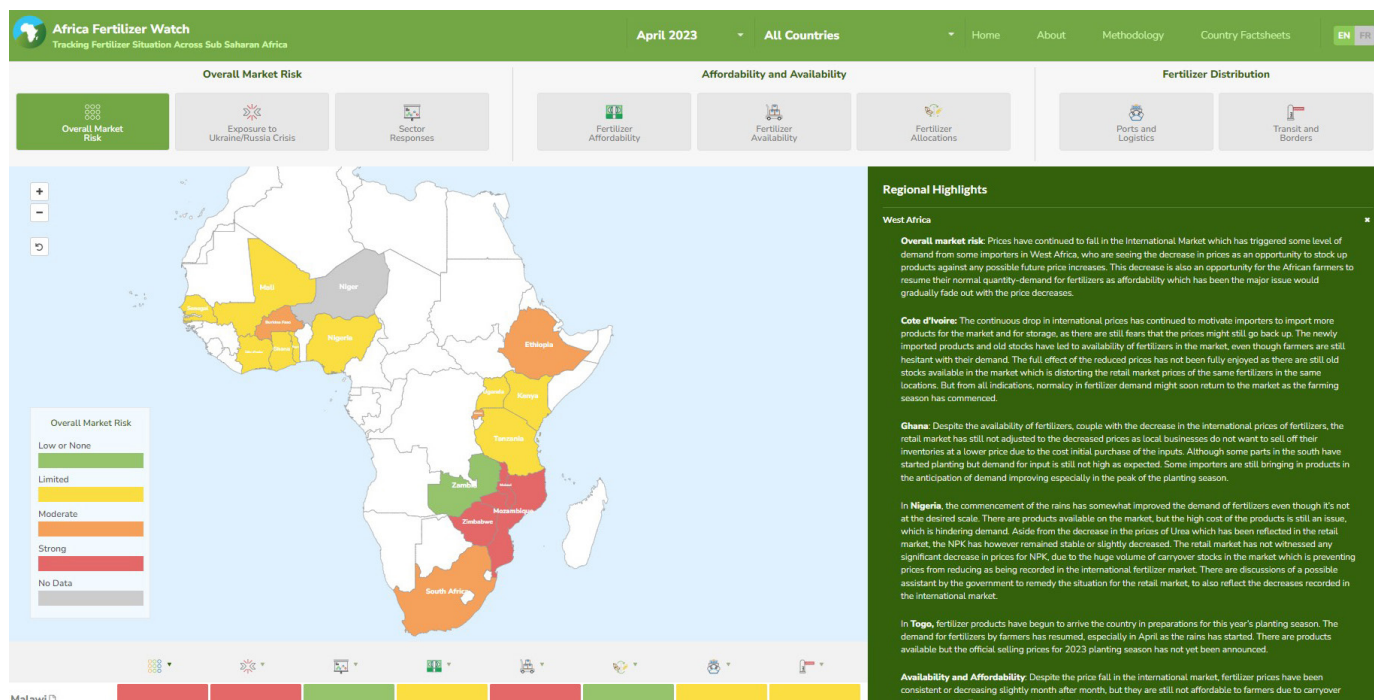


FIGURE 4. : Africa Fertilizer Observatory - Côte d'Ivoire Scoreboard

AFO has collected and compiled information on fertilizer plants from fertilizer manufacturers, blenders and organic plant owners in sub-Saharan African countries, including Côte d'Ivoire, and has published the 6th edition of the annual Fertilizer Plant Register, a product that features various fertilizer plants and their capacities throughout sub-Saharan Africa, with the exception of South Africa. Fertilizer plants in Côte d'Ivoire have been duly listed in the register.

AFO publishes Actu-Engrais, an electronic newsletter that brings together fertilizer market news, price data, statistics and industry information from across Sub-Saharan Africa. Actu-Engrais is distributed quarterly to various stakeholders, including in Côte d'Ivoire, and is used by actors in the fertilizer supply chain to make key decisions. The fertilizer statistics and market commentaries produced and disseminated in AFO's electronic newsletter, Actu-Engrais, have kept key actors in the Côte d'Ivoire fertilizer sector abreast of events on the continent, benefiting them in their day-to-day activities.

To provide a summary of Côte d'Ivoire's trade data over a 10-year time series for fertilizer imports and apparent consumption, AFO has published the Côte d'Ivoire Fertilizer Fact Sheet, which also gives an overview of the country's fertilizer production, blending plant sites and crop and seasonal calendar.

Côte d'Ivoire's fertilizer plants and their capacities have been included in the 6th edition of the Annual Fertilizer Plant Register. Côte d'Ivoire has 8 fertilizer blending units, one organic fertilizer production unit and 2 fertilizer blending unit projects scheduled to come on stream in 2025.

This register helps to promote investment in the industry at national level.

Statistics provided by AFO were used to draft and tender Côte d'Ivoire's agricultural emergency project in response to the global fertilizer crisis.

The GTTE workshop is becoming increasingly important for stakeholders, particularly private operators, who are well represented (up from 3 participants in 2016 to 10 participants in 2022). It has become a forum for discussion with national partners, creating and/or consolidating networks and relationships with public and private actors.

The study on fertilizer use by product and by crop in Côte d'Ivoire provides global information on actual fertilizer consumption in Côte d'Ivoire, as well as a disaggregated breakdown of this consumption by product, by crop and by nutrient. Actual consumption is an indicator that can be used to measure and warn of the extent to which the Abuja 2006 targets (of 50kg of nutrients per hectare) are being met.

The 2018 update of this study revealed that Côte d'Ivoire consumed an average of 14kg of nutrients per hectare. As a result, the Ivorian Ministry of Agriculture, private fertilizer operators, development organizations and international trade partners made extensive use of this information to decide on and adopt new strategies to boost fertilizer consumption. Since then, Côte d'Ivoire has consumed 51.9kg of nutrients per hectare in 2020, according to recent World Bank data.

EnGRAIS has officially released the new Fertilizer Bulk Blending Guide for West Africa. Actors in the fertilizer value chain in Côte d'Ivoire were actively involved throughout the development process, right up to the launch event held in Abidjan in August 2022. EnGRAIS worked with blenders across the region, including those in Côte d'Ivoire, to gather information to develop the Guide. Validation of the guide.

The program has also provided technical support to MEMINADER's DPVSA through exchange meetings for the implementation of Regulation C/REG.13/12/12 on fertilizer quality control in the ECOWAS region. To this end, a joint mission with ECOWAS, UEMOA and CILSS was held in December 2021, and enabled us to obtain an audience with the Minister of State, Minister of Agriculture and Rural Development to advance the implementation of this regional regulation in Côte d'Ivoire.



FIGURE 7. Joint mission (IFDC, ECOWAS, UEMOA, CILSS) to present the legislative and regulatory framework for fertilizers in the region to Cote d'Ivoire's Minister of Agriculture (right).

2SCALE

In Côte d'Ivoire in 2022, 2SCALE had set up 4 active partnerships in rice, market gardening, poultry/maize and cassava. The map below shows 2SCALE's areas of intervention in Côte d'Ivoire.:

Figure 7 Joint mi.



FIGURE 8. Map of 2SCALE's intervention zones in Côte d'Ivoire

SYNDITIC PARTNERSHIP Rice: LOCAGRI, KATIO AKPA, SOPRIL-CI AND ESPOIR RIZ CAVALLY

Born of the desire to contribute to food security through a circular and inclusive economy in the rice sector in Côte d'Ivoire, the aim of this partnership is to add value to Ivorian rice and all its by-products, and to work towards professionalizing the sector. A group of millers is made up of 5 Ivorian SMEs operating in paddy processing and by-product marketing, to include small-scale producers in the VC and offer rice to BoP consumers. The members of this syndicate are Locagri in Agboville (southern Côte d'Ivoire), Katio Akpa in Katiola (northern Côte d'Ivoire), Espoir Riz du Cavally in Guiglo (southern Côte d'Ivoire), Capi in Daloa (central-western Côte d'Ivoire) and PS3D in Soubré (south-western Côte d'Ivoire).

CANAAN LAND Maraicher

Canaan Land's aim is to create links between market-garden production basins and areas of mass vegetable consumption, by developing a sustainable and inclusive model of agriculture that benefits small-scale producers while respecting the environment.

The proposed partnership incubated Canaan Land's business idea in order to :

Professionalizing market gardeners,

Promote access to fresh, healthy vegetables for mass local consumption, and change the consumption habits of local populations in favor of vegetables to improve their nutritional status.

KOUDJIS DISTRIBUTION SOCIETY (KDS) Volaille

KDS is a limited liability company (SARL) specializing in the distribution of a wide range of nutritional products for animals, and the main distributor of products from the large Dutch company Koudijs de Heus in Côte d'Ivoire.

Developed with a view to contributing to food sovereignty in terms of quality poultry meat in Côte d'Ivoire, this partnership has made it possible to strengthen distribution channels for poultry feed and chicks, as well as supply chains for yellow corn for poultry farmers, and to develop commercial relations between actors (corn farmers, millers, poultry farmers, slaughterhouses and distributors) in order to facilitate access

to poultry products in sufficient quantities and of nutritious quality for urban and rural populations.

PROTEIN KISSEE-LA S.A (PKL)_ Manioc

PKL wanted 2SCALE’s support in developing “ATTIEKE VILLAGE” products on a large scale, to help empower rural women, combat malnutrition and promote the image of attiéké.

PKL’s business idea is to create added value for fresh attiéké produced by women processors in rural areas through

- ✓ Inclusion of small-scale cassava growers, 80% of whom are women

and 40% young people

- ✓ Integration of innovative modern production techniques on at least 1,200 ha
- ✓ Inclusion of at least 600 fresh attiéké processors with modern equipment
- ✓ Support for the valorization of by-products from cassava processing through the development and distribution of fresh quality attiéké to BoP consumers.

Global activities carried out in all 2SCALE partnerships :

- ✓ Capacity building for producers



Producers were trained in topics such as good agricultural and poultry farming practices, associative life, financial education and the management of Village Savings and Credit Associations (VSCAs). The approach implemented by 2SCALE enables the Entrepreneurial Support Services (Services d'Appui Entrepreneurial - SAE) to provide training and follow-up support to producers, in order to facilitate the proper management of the Agricultural Enterprise Poles (PEA).

- ✓ Connecting actors

The actors in the rice PPP benefited from several networking opportunities. Indeed, as the partnership is syndicated, 2SCALE encouraged the various business champions to interact in order to share markets and respond together to large-scale calls for tender. In addition, input suppliers such as Callivoire and Topex-ci interacted with the actors to find

mechanisms for accessing inputs for producers involving the champions. As for access to financing, in addition to microfinance institutions such as COOPEC, 2SCALE facilitated the integration of Farmerline into the PPP.

In the Poultry PPP, maize growers are put in touch with poultry growers to enable the latter to mix feedstuffs with imported concentrates sold by the KDS champion.

Marketing and distribution

- ✓ Business Model Canvas Business Model Canevas
- ✓ Promotional marketing activities (Activations) (SCARP in Korhogo,
- ✓ Dakpadou Festival, ECOFORP Alépé activation)



Distributors maps for PPP rice and PPP poultry

- ✓ Private sector development



- ✓ KDS opens several stores in Côte d'Ivoire
- ✓ Setting up the Koudijs plant near Abidjan
- ✓ Inclusion of young people and women in PPPs



Training on the Opportunities for Youth Employment (OYE) approach for young people and an AYA trajectory for women. .

Overall results in all partnerships :

In the Rice partnership, a total of more than 1,500 producers have been sensitized and trained in associative life, the structuring of POs (Producers' Organizations), contractualization, good agricultural practices and entrepreneurial skills; more than thirty organizations have been formalized over the year in all 5 PEAs (Pôles d'entreprise agricoles) of the partnership.

In the Poultry partnership, workshops and training sessions were held for 103 actors, 32% of whom were women and 41% young people. By 2022, more than 1,500 corn farmers had been trained in good farming practices, and 22 demonstration plots had been set up throughout the

partnership. Producers have been able to improve their yields thanks to a partnership with private-sector actors who have supplied inputs, notably improved seeds from Callivoire (Kabamanoj) and Bayer (Delkab). And in August 2022, 2SCALE supported the Dakpadou poultry farmers (ADED-S organization) to set up a 1 ha corn demonstration plot using Delkab seeds. Satisfied with the harvest results, ADED-S signed a contract with a structure.

In the cassava partnership, after mapping the poultry and cassava value chains, teams and partners identified job opportunities for young people in processing, transport and distribution. For 2022, the focus has been on processing and distribution, with over fifty young people trained to take part in market activations and consumer behavior change campaigns at

the end of the year.

Several success stories have been observed in the various partnerships in 2022. Ce sont :

Dans le partenariat RIZ :



Green innovations to boost rice production in Côte d'Ivoire: in the context of green innovations, these are new transplanting techniques to promote protection against birds and rodents, nursery maintenance and seedling maintenance. These are also solutions that have been introduced by improved seeds within the rice partnership in Côte d'Ivoire to improve productivity and incomes for small-scale farmers, including digital solutions. AFRICA RICE, CNRA, BAYER, SYNGETA, CIDT and UPL-CALLIVOIRE have all been involved in transforming farming operations. Read more in the article: [Green innovations to boost rice production in - 2scale](#)



126 million (126,000,000) in funding from USAID to the LOCAGRI champion, with a view to acquiring materials and equipment for purchasing paddy from producers and making inputs available to them. This funding was facilitated by technical support from 2SCALE, which focused on formalizing LOCAGRI's role in the RICE value chain.

In the Poultry partnership :



Financing of 50 million FCFA (50,000,000 FCFA) by COOPEC to BONON VOLAILLE (a poultry farmers' cooperative in the Daloa area in the central-eastern part of the country), thanks to 2SCALE's facilitation of contacts between the BONON VOLAILLE cooperative and the MARKEGEST slaughterhouse

<https://youtu.be/5JeD3EHCxNk>



Strengthening the poultry sector by improving maize production in Côte d'Ivoire: the aim was to raise awareness of the potential of these inputs and facilitate their adoption by producers. In fact, many growers, like Many growers, like Issouf Sawadogo, a 30-year-old maize grower in the Abengourou region, have been able to cope with caterpillar and locust attacks on their plots thanks to the KDS-2SCALE partnership. He tells us more about it in this article: :

[Renforcer le secteur avicole par l'amélioration de la production](#)



Development of a visual identity for a mini-champion ECOFORP cassava processor and preparation of a market activity to win over consumers and new business partners: the “Mamie Attiéké” brand was born to represent the traditional know-how of the Ebrié people in the preparation of attiéké. Market activation took place from December 1 to 3, and six (6) young people were trained to reinforce the ECOFORP teams in presenting the products to consumers. In addition, a branded point of sale was set up near the railway station to facilitate local distribution.

FIGURE 9. Flyer Mamie Attiéké

4. OTHER IFDC ACTIVITIES IN COTE D'IVOIRE

Open doors

IFDC's Open House, held on May 18 and 19, 2022 in Abidjan, Côte d'Ivoire, was a resounding success. The aim of the event was to present IFDC's achievements in Côte d'Ivoire, strengthen collaboration with its partners and create new synergies.

- ✓ The event was held under the patronage of the Ministry of State, Ministry of Agriculture and Rural Development, and was attended by over a hundred people. IFDC took the opportunity to present the three (3) programs implemented in the country, namely EnGRAIS, 2SCALE and Africa Fertilizer.
- ✓ A demonstration of the FeSERWARM platform (the Fertilizer and Seed Recommendation Map for West Africa) and the Fertilizer Cost Simulator was carried out to familiarize participants with these tools.
- ✓ A round table was organized on the theme “The impact of soaring fertilizer prices on agricultural productivity: what solutions can be found to remedy the situation?”
- ✓ The discussion addressed the challenges posed by rising fertilizer prices and proposed solutions to meet them.
- ✓ IFDC and three (3) of Côte d'Ivoire's leading fertilizer companies hosted lively stands, where some fifty representatives of institutions, embassies, NGOs and international organizations were able to exchange views. Some forty private companies, associations of professionals from the agricultural sector and financing organizations, as well as some twenty students, also took part in the event over the 2 doors.



FIGURE 10. Overview of participation in open doors in Côte d'Ivoire

These Open Doors enabled IFDC to showcase its activities in Côte d'Ivoire, promote important agricultural initiatives and encourage collaboration between actors in the country's agricultural sector.

Participation in the agricultural science festival

The Festival des Sciences Agronomiques (FESA) is organized annually by the associations of the different training cycles of the Ecole Supérieure d'Agronomie (ESA) of the Institut National Houphouët Boigny (INP-HB) in Yamoussoukro. The main aim of FESA is to promote the areas of expertise of graduates of the Ecole Supérieure d'Agronomie in the service of Côte d'Ivoire's development. For the 8e edition of the FESA, the theme

chosen is "FAMILY AGRICULTURE AND ECOLOGY", with sub-themes (Seed and food security, Decent income and gender for sustainable, high-performance family farming, Agroecology at the heart of sustainable, high-performance family farming).

IFDC seized this opportunity to participate in order to publicize its projects and interventions, given the stakes involved, and the various prospects offered by FESA in terms of dissemination for IFDC's 2SCALE and EnGRAIS projects in the country through the thousands of students. We also took part in the project fair organized on site by the organizers, to decide on the best projects proposed by groups of 1ère year students.



FIGURE 11. Explanation on the IFDC/2SCALE stand



FIGURE 12. Mr. Moussa Dionou presenting the impact of the 2SCALE program in Côte d'Ivoire

Signing of an MoU between IFDC and ESA by Ms Olive M'BAHIA, IFDC Director, and Dr Kone Siaka, ESA Director. This MoU covers and frames our interventions with ESA over the coming years, as mentioned in the objectives of this collaboration.



FIGURE 13. Dr Kone Siaka, DG of ESA receiving the 500.000F CFA cheque

A kit of documents including the EnGRAIS guide, training manuals on the proper use of fertilizers, the 2SCALE approach guide, CDs capitalizing on the achievements of the 1ère phase of 2SCALE, etc. were handed over to the director of ESA to help diversify the school's library. Financial support of 500,000 Fcfa was provided by the EnGRAIS project to keep the library supplied with books.



Naming ceremony for the 1st class of agricultural engineering students

In recognition of IFDC's support and accompaniment of ESA, Olive M'BAHIA was asked to sponsor the class of 2021 students in the 1ère year of higher agricultural technicians. She gladly accepted, offering wise advice and encouragement for the development of agriculture in Côte d'Ivoire.

5. STRATEGIC PARTNERSHIPS WITH OTHER ORGANISATION

With a view to achieving synergy of action for the benefit of stakeholders, IFDC develops partnerships with agricultural development actors, including the public and private sectors, civil society organizations and technical and financial partners. These strategic partnerships enable all these actors operating in the same area to exchange experiences and develop synergies and complementarities in the implementation of agricultural development activities. This page is dedicated to all the partners with whom we work in Côte d'Ivoire, to thank them for their commitment and constant support in the transformation of agriculture on a national scale.

REPUBLIQUE DE COTE D'IVOIRE



MINISTRE DE L'AGRICULTURE ET DU DEVELOPPEMENT RURAL



Kingdom of the Netherland:



Institut National Polytechnique
Félix HOUPHOUËT-BOIGNY



6. IFDC INVESTMENTS IN COTE D'IVOIRE IN 2022

The following table summarizes the cost of implementing activities and maintaining the IFDC Representation in the country in 2022.

Table 2. IFDC investments in Cote d'Ivoire in 2022

ACTIVITIES	USD	CFA
2SCALE		
Salaries and operational expenses	572,516.22	344,528,810.87
Sub Total 1	572,516.22	344,528,810.87
EnGRAIS		
Investments/ Equipements	626.47	376,997.12
Salaries and operational expenses	357,166.76	214,935,812.83
Sub Total 2	357,793.23	215,312,809.95
AFO		
Investments/ Equipements	407.12	244,996.67
Salaries and operational expenses	38,683.19	23,278,770.08
Sub Total 3	39,090.31	23,523,766.75
FRAIS GÉNÉRAUX		
Salaries and operational expenses	6,011.51	3,617,606.49
Sub Total 4	6,011.51	3,617,606.49
IFDC-BD (Business Development)		
Salaries and operational expenses	80,657.42	48,538,022.21
Sub Total 5	80,657.42	48,538,022.21
TOTAL	1,056,068.74	635,521,047.61



7. CONCLUSION AND OUTLOOK

Over the course of 2022, we have been committed to agricultural development, fostering numerous relationships between farmers and actors in the agricultural sector. Numerous actions have also been taken to support the fertilizer sector, with a view to improving the quality of inputs used to preserve soil and increase agricultural productivity.

Despite challenges such as the latent effects of the Covid 19 crisis, the Russo-Ukrainian war, and climatic hazards, the year 2023 offers more opportunities, as our ambition is to strengthen our partnerships with local stakeholders. Our aim is to have a greater impact at national level by consolidating our collaboration with existing partners while establishing new partnerships to address soil health and fertility issues, increase farmers' resilience through access to PIA and GAP, and connect them to adapted and remunerative markets. We will continue to provide ongoing support to MEMINADER to ensure access to information on fertilizers to

make them available, accessible and of better quality to our agricultural producers.

We aim to position our organization as a leader in improving soil health and fertility management to ensure sustainable impacts on farmers' food systems and livelihoods. To this end, we intend to maximize the impact of our actions on agricultural productivity by bridging the gap between research and field practice. We are planning capacity-building activities for the beneficiaries of our programs on good agricultural practices and integrated soil fertility management. In addition, we will actively seek opportunities to collaborate with more strategic partners to improve agricultural productivity in order to ensure national food self-sufficiency while being more resilient to shocks such as deforestation and climate change, to which we need to adapt quickly.



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