Partnership Africa - Europe Blockchain for the SDGs

*and an 'Africa-Europe Blockchain for
SDGs Week'*

Prepared by:

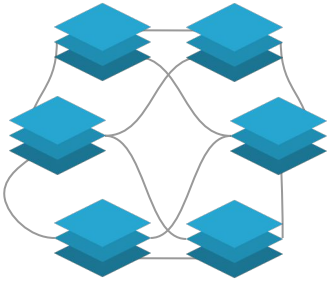BLOCKCHAIN FOR GOOD

PositiveBlockchain.io

DUNIA BORA
A BETTER WORLD

The benefits of blockchain* technologies are clear

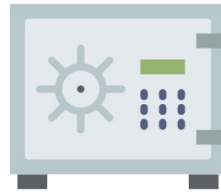*referring to blockchain and broadly speaking Decentralized Ledger Technologies*

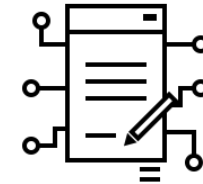| DISTRIBUTED	DECENTRALIZED	IMMUTABLE	TRANSPARENT	MULTI-PURPOSE
A digital ledger keeps record of all transactions taking place on peer-to-peer networks	It is decentralized, so it can work without relying on intermediaries and central authorities	Information transferred via blockchain is encrypted and every occurrence is recorded, in a way that it cannot be altered	it possibly makes the data available to everyone at the same time and cannot be corrupted	It can be used for much more than currency transactions: contracts, records, ownership titles and other kins of data can be shared

African governments are looking closely at blockchain solutions

In crypto, South Africa is forging a different path than the rest of Africa
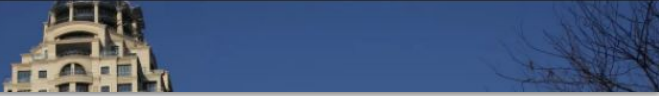
Kenyan Blockchain and AI taskforce recommends CBK to consider creating digital currency

Ethiopia overhauls its education system with IOHK blockchain partnership

DARREN PARKIN

Cameroon to Hold Workshop Examining Challenges and Risks of Using Cryptocurrencies

Steve Kaaru
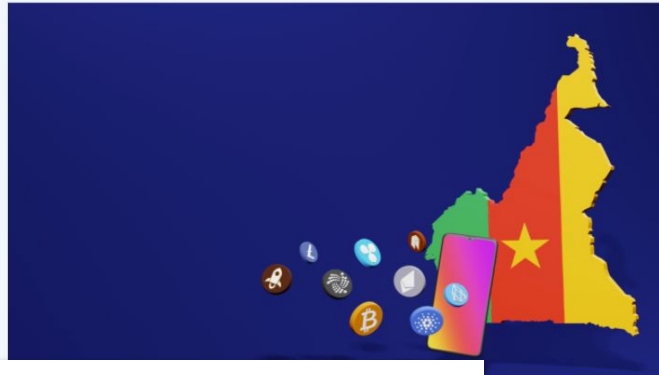
Ethiopia to create blockchain-based identities for 5 million students with new partnership

byBolu Abiodun | May 6, 2021

| BUSINESS 24 OCTOBER 2020

Nigeria drafts blockchain and digital currency adoption roadmap

Cryptocurrencies are being used massively in Africa

Crypto adoption in Africa grows by 1200%

by **Carisbel Guaramato** — Jan 26, 2022 at 10:16 pm   Reading Time: 2 mins read

The Landscape of Cryptocurrency Usage in Africa
With Examples of Prominent Crypto Exchanges

% of Population Using Cryptocurrency
<1%   1.01-2%   2.01-6%   6.01-8%   8.01-9%

- The African region accumulated about $100 billion in cryptocurrency transactions in 2021

- South Africa, Kenya, Tanzania, and Nigeria among main users

- over 2 percent of Bitcoin operations come from Africa (Chainanalysis)

- nevertheless, we should be wary of scams & hacks as they hinder reputation and trust in the technology

4

Efforts should focus on blockchain solutions for real world issues

Micro-insurance for Kenyan farmers

Education cases in Ethiopia with Cardano

Cobalt supply chain traceability in DRC

Cocoa traceability in Ghana (FAO)

Blockchain for **land registries**

blockchain enabled **renewable energy**

Healthcare incentives in South Africa

Digital identities for financial inclusion

Africa school internet **connectivity** project

"Blockchain **cities**" in Senegal and Uganda

Payment, remittances and **financial inclusion solutions**

other projects and initiatives

The EU has taken steps towards real solutions since 2017…

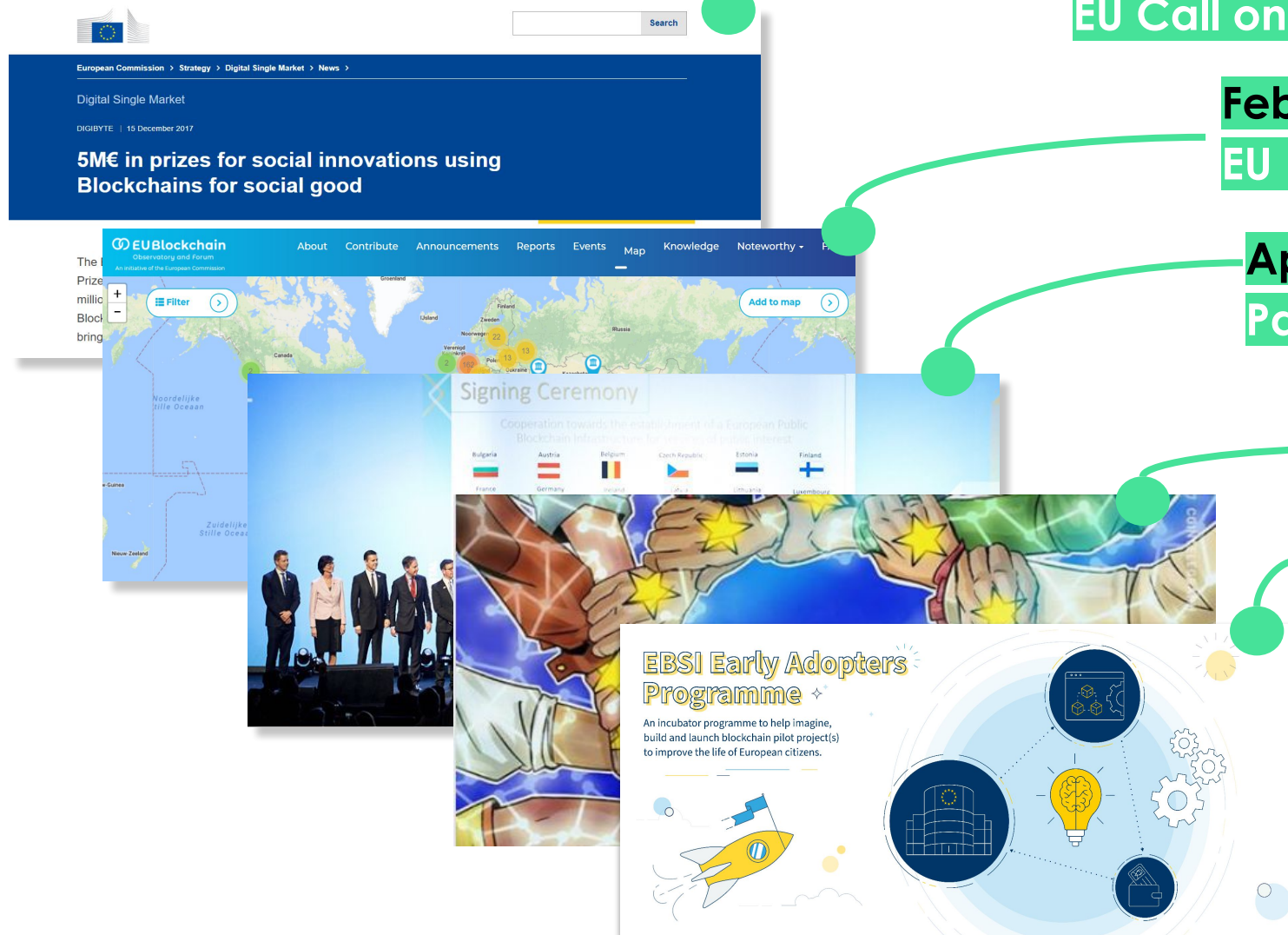**December 2017:**
EU Call on Blockchain for Social Good

February 2018:
EU Blockchain Observatory

April 2018: European Blockchain Partnership with 22 countries

April 2019: EU launch of the International Association of Trusted Blockchain Applications (INATBA)

2020: Launch of the European Blockchain Services Infrastructure (EBSI)

Example: ESBI is an initiative seeking for solutions for European citizens

The Commission is working with EU Member States (and beyond) to build the **European Blockchain Services Infrastructure – EBSI**

In early 2021, the Early Adopters programme started working directly with Member States to implement EBSI use cases:

- **(Self-Sovereign Identity (SSI)**
- **Diplomas**
- **Traceability**
- **Trusted data sharing**
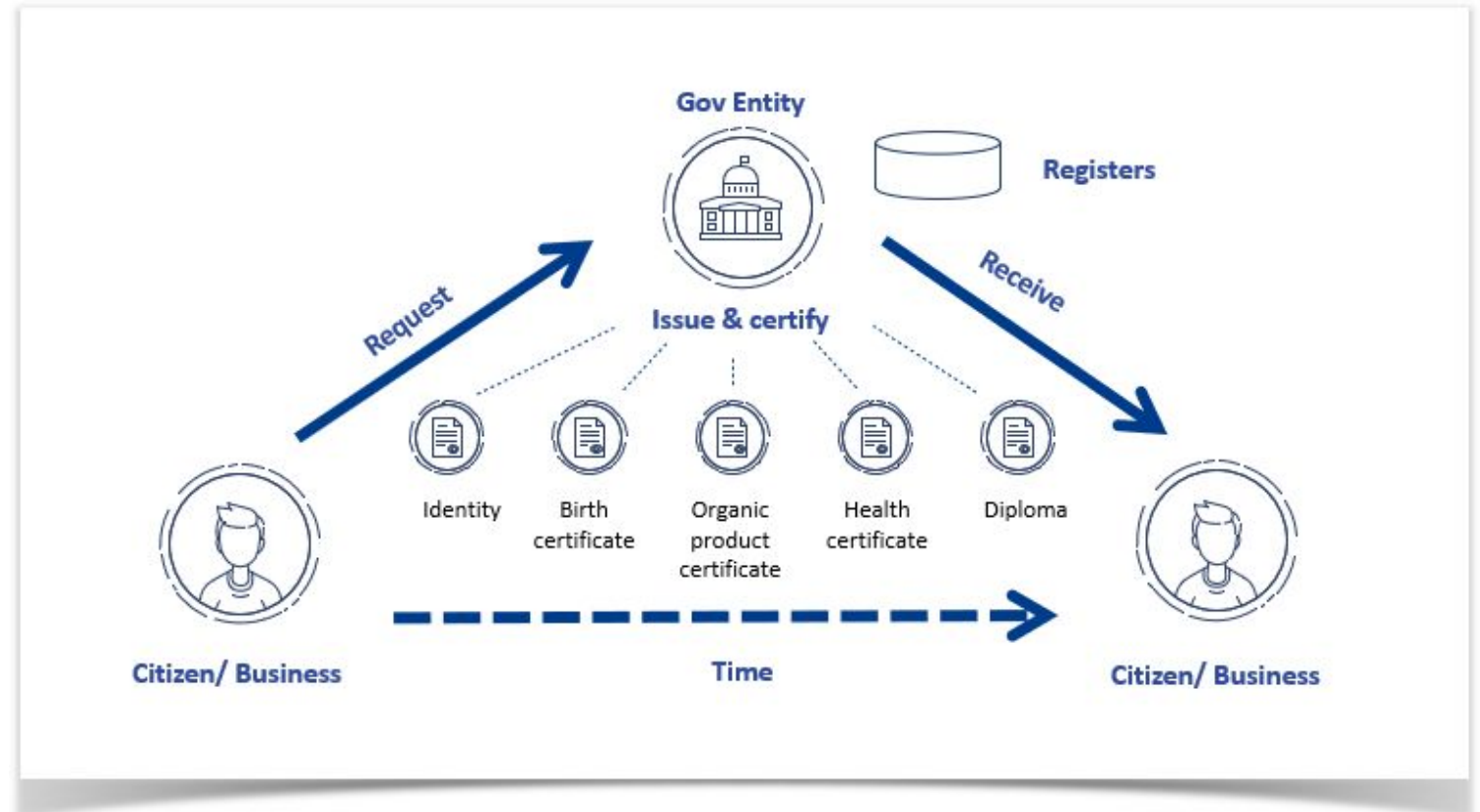
Next step proposed : a collaboration between the "European Blockchain Partnership" and African Governments

Following the *European Blockchain Week for the Green Deal* 2021 facilitated by the Slovenian EU Council Presidency,

the A*frica-Europe Blockchain Week for the SDGs*

would launch the design of a cooperation agreement between the European Blockchain Partnership and a proposed African Blockchain Partnership.

It would address how to cooperate i.a. in the field of:

- **Self-Sovereign Identity (SSI)**
- **Diplomas for African and European Students**
- **Traceability of Value Chains in relation with proposed Flagships**
- **Trusted data sharing**

And a "Game Changer"

An Africa-Europe "partnership as equals" thanks to digital development and use of blockchain technologies

Finance

Minerals

Forestries

Agri-food

Energy

Trade 2026

Key topics for the Blockchain and SDGs Week

- Digital Identity
- Financial inclusion
- International trade
- Digitalization of justice
- Mining sector
- Sustainable energy and climate
- Agri-food systems and food security
- Biodiversity, forests and natural parks
- Children's rights
- Land ownership
- Diplomas and certificates
- Elections and democracy

5 proposed flagships

5 flagships are considered. And it is envisaged that these flagships could be taken over by Economic Communities of African States with the EU and European States in a spirit of "partnership between equals". This means very expressly that each of the EU's policies in Africa would be the subject of a blockchain monitoring eco-system to be designed:

Sustainable energy and climate

Two "pilot regional areas" are envisaged (MENA, East Africa)

Agri-food systems and tenure security

Two "pilot regional areas" are envisaged. (East Africa-Great Lakes and West Africa)

Forests and redistribution of value

Two "regional pilot zones" are envisaged (Central Africa and Southern Africa)

Minerals

Within the framework of the raw materials alliance with a Cobalt pilot initiative (from the artisanal mine to TESLA) and on the other hand an initiative between the EU and 4 African countries (DRC, Morocco, South Africa, Guinea)

Trade 2026

The basis will be the STOA report to the European Parliament on blockchain and international trade and will aim to support the implementation

Why you should join: added value of the Blockchain and SDGs Week ?

- **Build an Africa-Europe partnership between equals** in the areas covered by European policies having an impact in Africa (trade, climate, food, migration, etc.) as well as value chains in specific areas (agro-food, mining, forests etc.)
- **Build a partnership with the Economic Communities of Africa** and the governments concerned on the one hand and on the other hand the promoters of blockchain initiatives in areas that correspond to regional specificities
- **Build a partnership with investors** on the one hand in terms of investment in the necessary Internet infrastructure, on the other hand in terms of transformation of the "development capital market" and investment choices in the sectors concerned by the transparency and trust created by the blockchain, also by creating new modes of investment, particularly in biodiversity, and finally by revolutionizing the currency.

Why you should join: added value of the Blockchain for SDGs Week

- **Build a "mass effect"** on the one hand by encouraging a partnership between multiple initiatives that do not talk to each other, do not have enough interaction, on the other hand by moving from pilot initiatives to mainstream initiatives, by example, in the field of certification of diplomas for students, which would have a major impact.
- **Transfer knowledge.** Initiate Africa-Europe initiatives, for example between universities in the field of blockchain or exchanges between blockchain and SDG experts, via hubs.
- **Discuss interoperability** with business organizations, in particular questions facilitating cross-border cooperation (INATBA)
- **Structure a common Africa-Europe strategy for training** and action in the field of blockchain so that "no one is left behind".
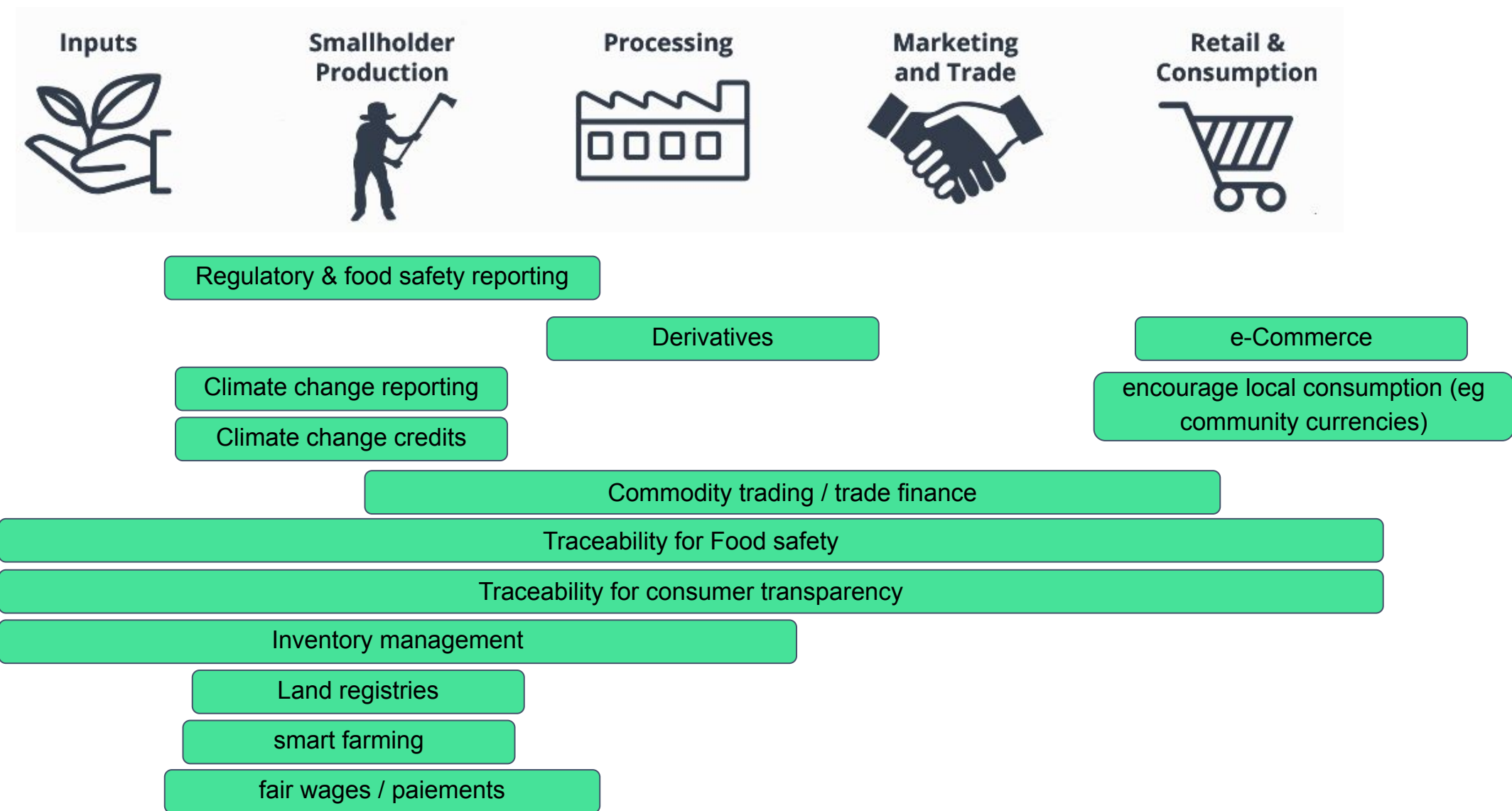
Flagship projects

Flagship example - agri-food

Flagship: Power & Empowerment. A Wake Up Call

- The **agri-food** sector is one of the main area of growth for the adoption of blockchain technologies. Main applications areas are for traceability and global trade facilitation.
- It is highly relevant for the own challenges of safety and security in African food systems, but also in relation to Europe as a major agri-food products trade partner
- The EU is looking as exactly the same applications of blockchain within its **Farm to Fork strategy** and [Horizon projects](), recognizing the interlink of global markets in the own food systems of Europe.
- Many players are creating consortium blockchain projects around trade finance & shipping, among others for grains, fruits, coffee and other food produces. This is mainly down in the private sector and needs to include nations and institutions to guarantee trading practices and rules between equal partners

General blockchain agri-food use cases

Inputs	Smallholder Production	Processing	Marketing and Trade	Retail & Consumption

Regulatory & food safety reporting

Derivatives

e-Commerce

Climate change reporting

encourage local consumption (eg community currencies)

Climate change credits

Commodity trading / trade finance

Traceability for Food safety

Traceability for consumer transparency

Inventory management

Land registries

smart farming

fair wages / paiements

Blockchain use cases connected to agri-food

Digital Identities & KYC solutions for farmers

Supply Chain, automation, IoT orchestration

Financial solutions: paiement, loans, rewards, credit history, inclusion

Financial solutions: paiement, loans, rewards, credit history

Insurances

Renewable energy

Carbon trading schemes

Natural capital asset tokenization

Blockchain land titling

Loyalty & reward schemes, collectibles, NFTs

Growth of Traceability/transparency cases globally

Report: $300B Worth of Food Will Be Traced Using Blockchain and IoT by 2027

A report claims that the global food industry could save over $100 billion annually by implementing blockchain and IoT technology.

15182 Total views   674 Total shares   Listen to article   2:29

19
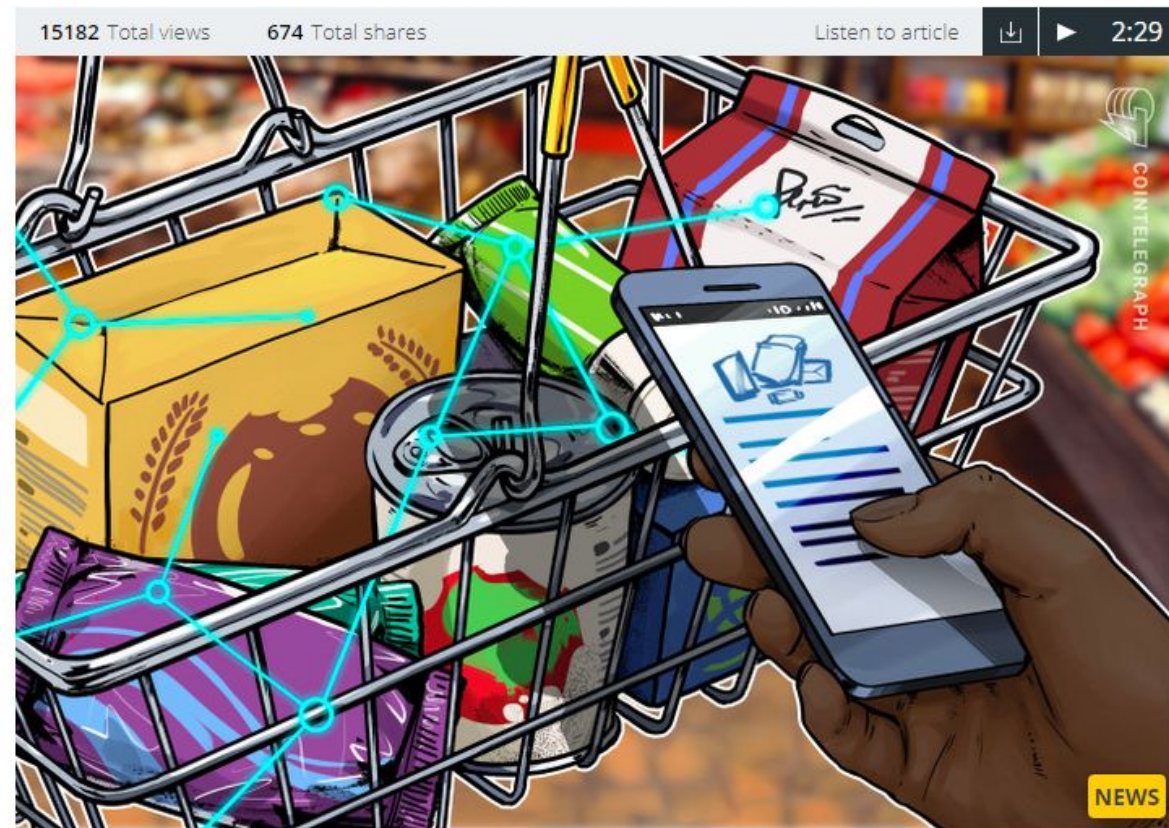
Blockchain agri-food potential traced data
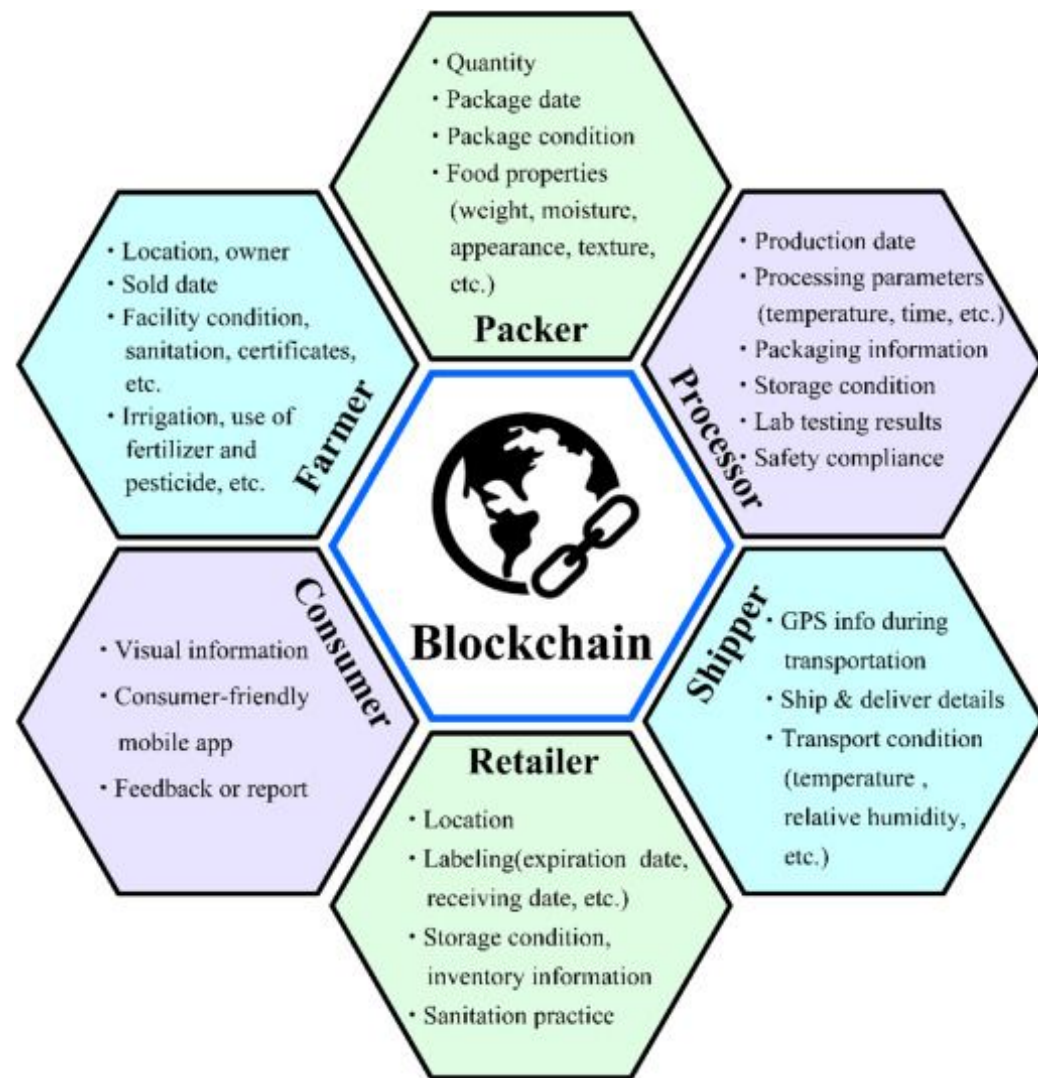
what data are consumers looking for

Category	Percentage
Quality certificate	94.32%
Chemical fertilizers and pesticides used in production processes	90.91%
Production standards	86.36%
Harvest date	86.36%
Nutrition	72.73%
Place of origin	63.64%
Producer	52.57%
Circulation process	51.14%

Legend: Do not want to know ■ Do not care ■ Always want to know
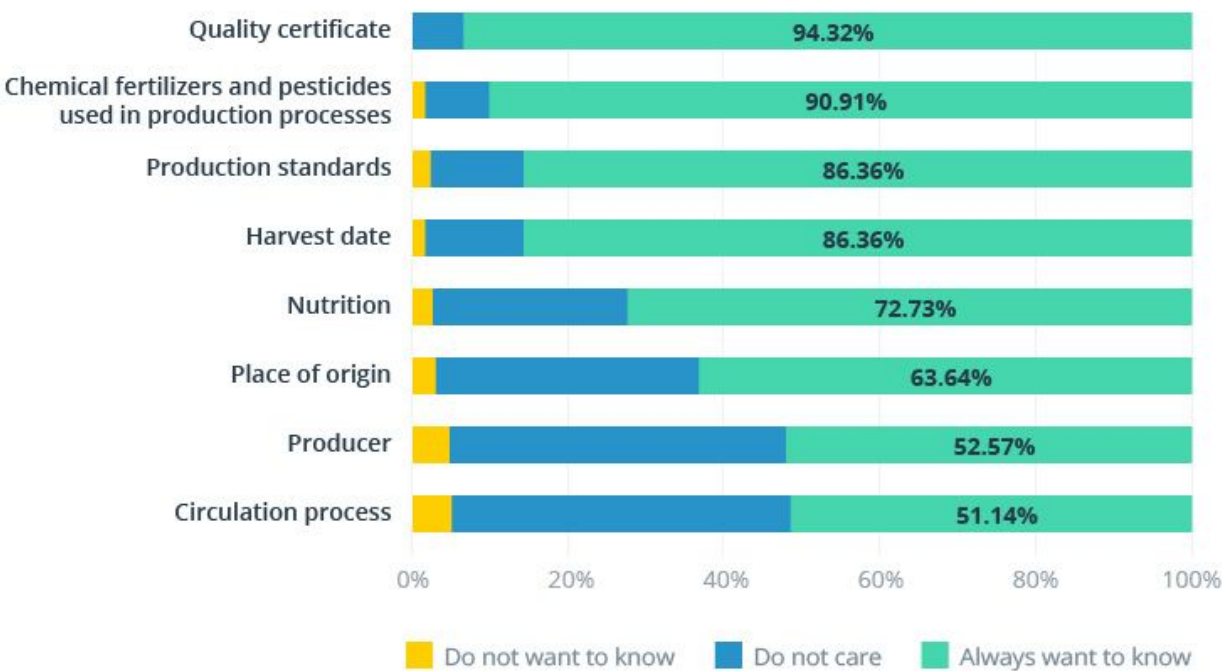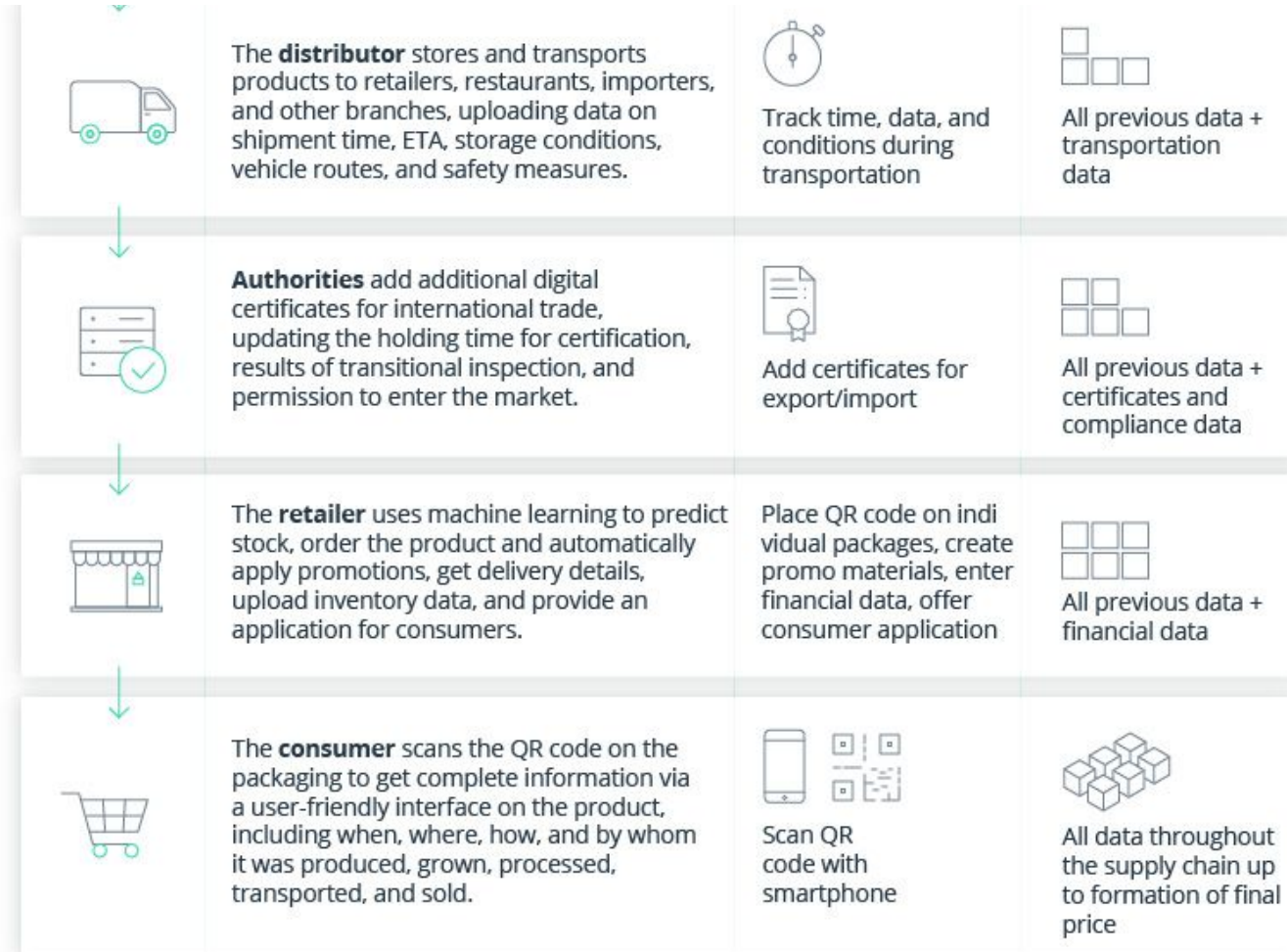
In more details..

Digital/blockchain procedures within supply chain, per stakeholder role

	Supply chain stage	Digital procedures	DLT process
	The **supplier** sells agricultural and livestock products to farmers, and this sale is registered in the DLT.	Barcode marking	Initial data
	The **farmer/producer** collects data on the product's growth (feed, pesticides, moisture, temperature, soil and stock conditions, farm location, etc.). This data is recorded and verified by the DLT.	Collection of data during product growth	Initial data + data on product growth
	The **processor** places a QR code on the packaging of the final product after inspection. This code includes all previous data along with compliance certificates.	Certification and measurement of conditions	Initial data + data on growth + certifications

SCM in agriculture with DLT (per stakeholder)

Digital/blockchain procedures within supply chain, per stakeholder role

The **distributor** stores and transports products to retailers, restaurants, importers, and other branches, uploading data on shipment time, ETA, storage conditions, vehicle routes, and safety measures.	Track time, data, and conditions during transportation	All previous data + transportation data
Authorities add additional digital certificates for international trade, updating the holding time for certification, results of transitional inspection, and permission to enter the market.	Add certificates for export/import	All previous data + certificates and compliance data
The **retailer** uses machine learning to predict stock, order the product and automatically apply promotions, get delivery details, upload inventory data, and provide an application for consumers.	Place QR code on individual packages, create promo materials, enter financial data, offer consumer application	All previous data + financial data
The **consumer** scans the QR code on the packaging to get complete information via a user-friendly interface on the product, including when, where, how, and by whom it was produced, grown, processed, transported, and sold.	Scan QR code with smartphone	All data throughout the supply chain up to formation of final price

Main technology infrastructure/platformes used

IBM Hyperledger

Ethereum

Ambrosus

VeChain

R3's Corda (trade finance)

BigchainDB

Stellar

...

Consortia in blockchain for trade finance / shipping

BLOCKDATA | 5 LEADING CONSORTIA IN BLOCKCHAIN TRADE FINANCE |

VOLTRON

BLOCKCHAIN INFRASTRUCTURE
c·rda

PROJECT LEAD
r3.   CryptoBLK

MEMBERS
BNP PARIBAS   HSBC
INTESA SANPAOLO   ING
Bangkok Bank   SEB
Scotiabank   NatWest
CTBC BANK   BBVA
USbank   MIZUHO

MARKET CAP
$579 B

MarcoPolo

BLOCKCHAIN INFRASTRUCTURE
c·rda

PROJECT LEAD
r3.   TRADEIX

MEMBERS
Bangkok Bank   DNB   NatWest
NATIXIS   BNP PARIBAS
SMBC   COMMERZBANK
ING   OP-Pohjola   ANGLO-GULF TRADE BANK
Standard Chartered   Danske Bank
Alfa-Bank   LBBW

MARKET CAP
$322 B

we.trade

BLOCKCHAIN INFRASTRUCTURE
HYPERLEDGER FABRIC

PROJECT LEAD
IBM

MEMBERS
SOCIETE GENERALE   UniCredit
HSBC   Deutsche Bank
UBS   CaixaBank
Rabobank   Santander
NATIXIS   Eurobank EFG
ERSTE Group   Nordea   KBC

MARKET CAP
$488.7 B

eTrade Connect

BLOCKCHAIN INFRASTRUCTURE
HYPERLEDGER FABRIC

PROJECT LEAD
HONG KONG MONETARY AUTHORITY
香港金融管理局

MEMBERS
上海商業銀行 SHANGHAI COMMERCIAL BANK   中国农业银行 香港分行
ICBC 工银亚洲   HSBC
交通銀行 BANK OF COMMUNICATIONS   ANZ
Standard Chartered   中国银行 BANK OF CHINA
恒生銀行 HANG SENG BANK   DBS
BEA東亞銀行   BNP PARIBAS

MARKET CAP
$1128.8 B

komgo

BLOCKCHAIN INFRASTRUCTURE
Quorum

PROJECT LEAD
komgo   CONSENSYS

MEMBERS
ABN·AMRO   BNP PARIBAS
SOCIETE GENERALE   CRÉDIT AGRICOLE   SGS
NATIXIS   MERCURIA
MACQUARIE   MUFG
Rabobank   ING
Citi   KOCH

MARKET CAP
$467.4 B

Trade finance / shipping we.trade

we.trade
more trust. more trade.

16 banks across 15 countries – and growing globally

CaixaBank CBC ČESKÁ spořitelna ČSOB [Deutsche Bank] ERSTE Group

Eurobank HSBC KBC KB Nordea DK FI NO SE Rabobank

SOCIETE GENERALE UBS UniCredit DE IT Santander

Trade finance / shipping - eTradeConnect

Hong Kong Monetary Authority (HKMA) announced in 2018 the official launch of its blockchain trade finance platform eTradeConnect. It was previously known as the Hong Kong Trade Finance Platform. There are also plans to **collaborate with we.trade** which until now has focused on Europe.

The initial version offers open account trade finance like factoring. But the aim is to expand to other forms of trade finance and beyond banking.

It follows a proof of concept (PoC) started in December 2016 and completed in March 2017. Deloitte ran the PoC, and Ping An's OneConnect built the latest version with Deloitte providing consultancy.

The original seven banks are ANZ, Bank of China (Hong Kong), Bank of East Asia, DBS Bank (Hong Kong), Hang Seng Bank, HSBC and Standard Chartered. Another five banks joined later. They are the Agricultural Bank of China, Bank of Communications, BNP Paribas, ICBC and Shanghai Commercial.

Facilitate settlement and financing of trades through sharing of trade data via a secured trade finance platform riding on the cutting-edge Distributed Ledger Technology ("DLT")
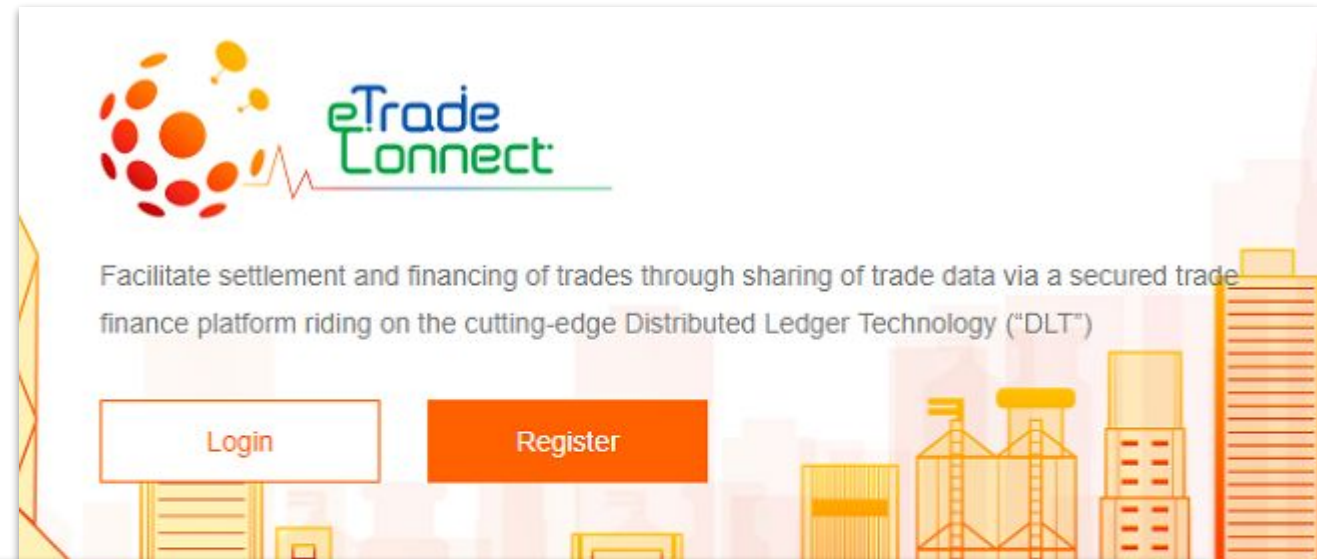
VISION OF A TRADE ECO-SYSTEM
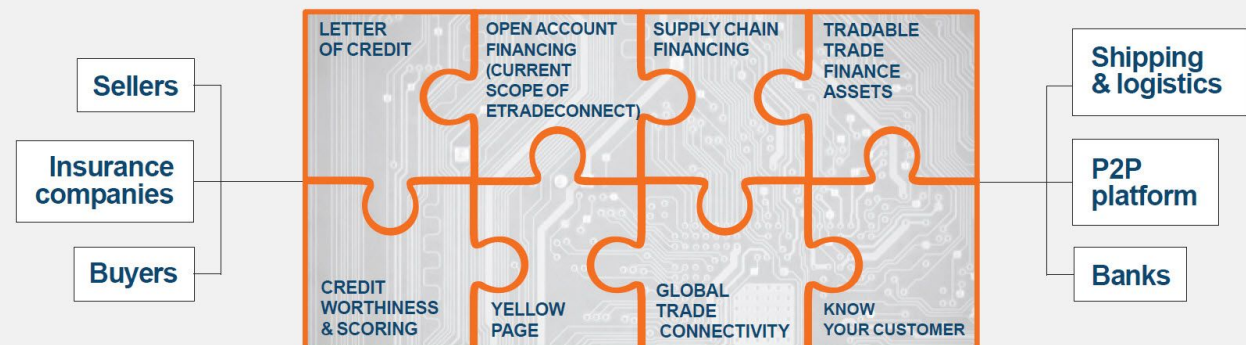
Source: Hong Kong Monetary Authority

Trade finance / shipping - TradeIX

TradeIX, the service provider behind another trade finance than we.trade platform **Marco Polo**, attracted investment from **Accenture**

Blockchain trade finance: Marco Polo

	MarcoPolo
Stage	Pilot
Members	17 (14 public)
Technology	R3 Corda
Tech partners	TradeIX & R3
Focus	Large enterprises (initially), open account finance
Trade products	Payment commitment, factoring receivable discounting
IP ownership	TradeIX (mainly)
Funding	$16m (TradeIX)

Ledger Insights

Alfa-Bank · ANGLO-GULF TRADE BANK · Bangkok Bank · BNP PARIBAS · COMMERZBANK · Danske Bank · DNB · ING · LBBW · NATIXIS BEYOND BANKING · NatWest · OP · SMBC · Standard Chartered

Technology: r3. · TRADEIX

Trade finance / shipping - TradeLens

TradeLens, a joint initiative between IBM and Maersk that aims to digitize the paperwork in the container shipping industry through blockchain

As of today (mid June 2021) the solution has tracked 42 million container shipments, and digitized 20 million documents.

Over 300 entities are directly connected to the platform, including three of the top five container shippers Maersk, MSC, and CMA CGM. The other two, COSCO and Hapag Lloyd, are part of GSBN's network.

Last year (2020), the platform partnered with the International Container Terminal Service, Dutch ports operator Portbase, Turkish ports group YILPORT Holdings, and the Canadian Pacific Railway, to name a few.

TradeLens Platform
350M Events Per Year

Enrichment Data

Supplements foundational data, in real-time and direct from the source.

60+
Connected Logistics Members

Terminals

Government Authorities

Inland Transportation

Foundational Data

The core data needed to track and manage shipments end-to-end.

20m
Containers per Year

Ocean Carriers (members)

Ocean Carriers (participants)

Forwarders / NVOs

Clients / BCOs

*Ocean carriers who are not network members can provide data as requested by their customers.

Source

Trade finance / shipping - GSBN

GSBN was first unveiled in 2018 but only incorporated in Hong Kong this year in part due to regulatory complications

Hong Kong-headquartered GSBN is backed by major players in the shipping industry, including container shippers China's COSCO and Hapag Lloyd, and port operators PSA and Hutchison Ports.

They announced in **August 2021** a partnership with Singapore's Contour, a blockchain trade finance platform. The alliance aims to enable efficient financing for shipped goods. Contour is funded by nine global banks, including BNP Paribas, Citi, HSBC, ING, and Standard Chartered.

Contour uses **R3's Corda** enterprise blockchain, whereas **GSBN uses Hyperledger Fabric**.

GLOBAL SHIPPING BUSINESS NETWORK

SIPG · HUTCHISON PORTS · COSCO SHIPPING * · QGGJ · CMA CGM · PSA The World's Port of Call · Hapag-Lloyd · OOCL

Blockchain cases and players relevant for Africa

In the next sections..

| A. Blockchain tech platforms and Foundations | B. Blockchain ecosystem members | C. Deployment projects, startups & pilotes |

Blockchain platforms relevant for Africa

The Cardano blockchain has a strong focus in Africa

A Look Inside Cardano's Big Blockchain Plans for Africa

Nicholas McGregor
May 25, 2021 · 5 min read

Cardano blockchain platform has a growing community and ecosystem in Africa including Western Africa

What Is Cardano (ADA)?

Cardano is a third-generation, decentralized proof-of-stake (PoS) blockchain platform designed to be a more efficient alternative to proof-of-work (PoW) networks. Scalability, interoperability, and sustainability on PoW networks like Ethereum are limited by the infrastructure burden of growing costs, energy use, and slow transaction times.

The Cardano blockchain has a strong focus in Africa
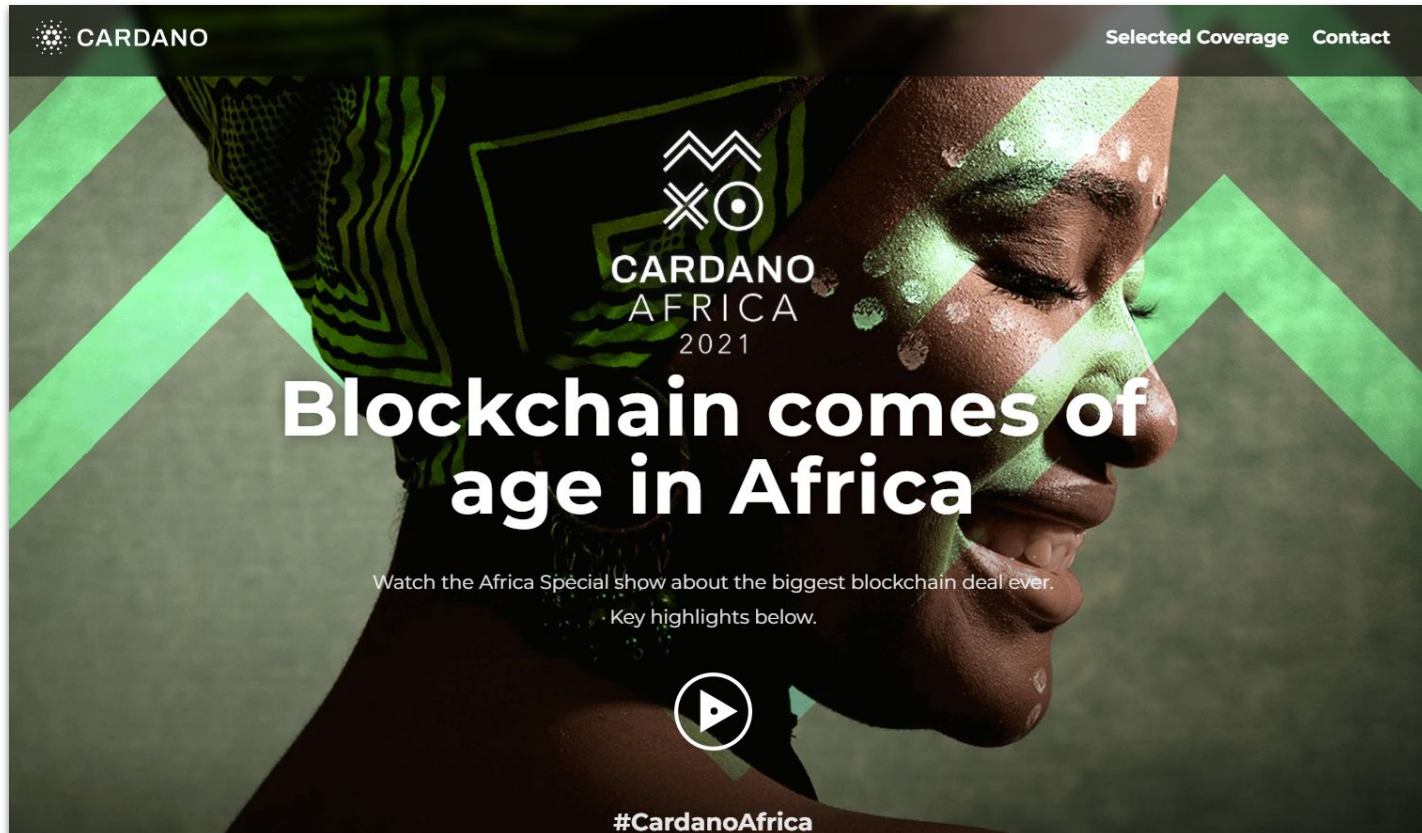
More on their Cardano Africa website

Binance is also strongly positioned in Africa

Binance To Train 1000+ Developers in Africa in First Quarter of 2021

2021-01-21

A huge part of Binance Africa's 2021 goals is to spread crypto education and adoption across Africa. This journey started in 2020 where we successfully educated over 70,000 Africans about crypto fundamentals, practical tutorials on how to set up an account - and buy & sell crypto, technical analysis and crypto trading.

BINANCE MASTERCLASS DEVELOPERS' EDITION

Opening Ceremony

CZ, CEO of Binance

Get a certificate of participation issued on the BSC

CAREERS IN BLOCKCHAIN TECHNOLOGY

8 weeks **Developer Course for Africa**

📅 Jan 31st, 2021
🕐 4PM WAT | 11PM UTC
🔵 Zoom ID: 84101555073

Partners: bundle #BlockchainDev1000 SiBAN XEND Finance blockxafrica WHITE MATRIX ChainID

Binance Labs Seeking to Incubate African Blockchain Startups

By **CryptoGuru** - January 29, 2019 👁 7024

Binance is a cryptocurrency exchange which is the largest exchange in the world in terms of daily trading volume of cryptocurrencies. It was founded in 2017.

Binance also has its own blockchain platform.

Binance strongly invests in Education and community development in Africa

2020	Q1 2021	Q2 2021
70,000 PEOPLE	177,300 PEOPLE	179,500 PEOPLE

GROWTH IN CRYPTO EDUCATION EFFORTS IN AFRICA ◆ BINANCE

34
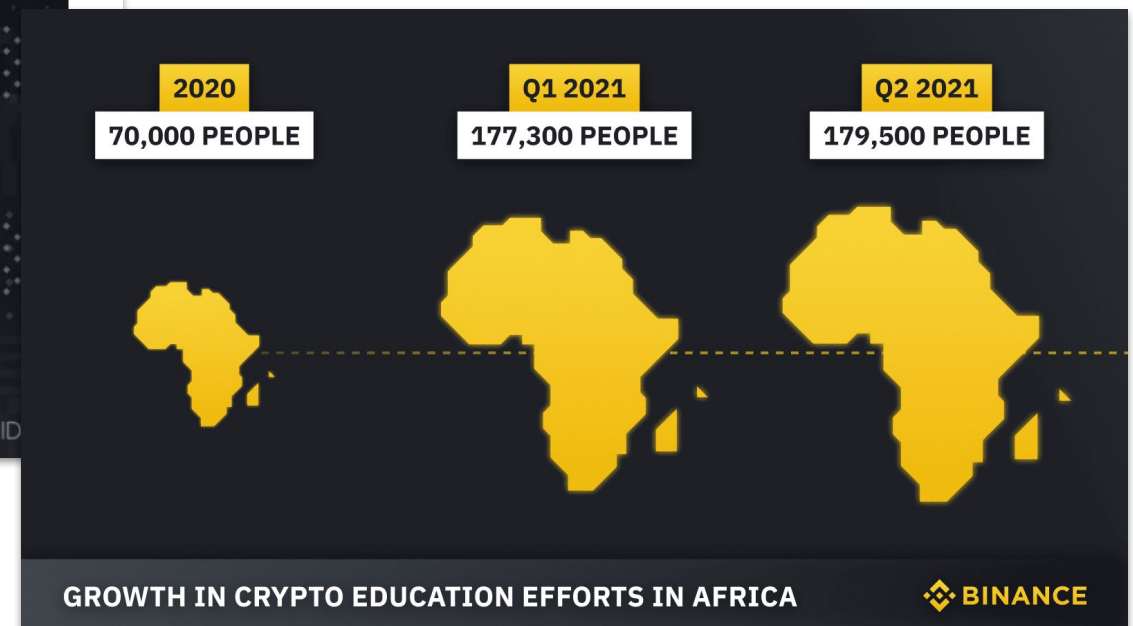
Ethereum Foundation

Ethereum is the leading blockchain platform in the world.

The **Ethereum Foundation** supports various projects including Etherisc/ACRE in Kenya (blockchain insurance for farmers), and GIGA from UNICEF (School connectivity

Celo, one of the leaders in the DeFi / financial inclusion ecosystem

Celo is a mobile-first blockchain optimized for peer-to-peer payments using only a mobile number.

An Ethereum-compatible technology capable of reaching global users at scale, Celo is turning crypto into usable money with a multi-asset system: a governance and staking asset (CELO) and a family of stablecoins (e.g., cUSD, cEUR).

Since the launch of mainnet in 2020, Celo's network now supports 1000+ projects from builders, developers, and even artists, who everyday create new applications and issue digital currencies from over 100 countries around the world.

Celo is supported by a community of organizations and individuals, including Jack Dorsey, a16z, and Deutsche Telekom.

In case you missed it: 📌 Celo together with World Food Programme and ecosystem partner Corsali is proud to have developed a #digitalmicrowork project in Kenya using blockchain technology. To learn more about how Celo is fostering #DeFi4thePeople visit https://bit.ly/3yw25YN.

Celo, one of the leaders in the DeFi* / financial inclusion ecosystem

Global Community Engagement Day

Country Commmunity Presences

- Kenya
- Brazil
- Vietnam
- S. Korea
- United States
- Nigeria
- South Africa
- Uganda

- Colombia
- Argentina
- Mexico
- Turkey
- El Salvador
- Indonesia
- Philipines

*Decentralized Finance
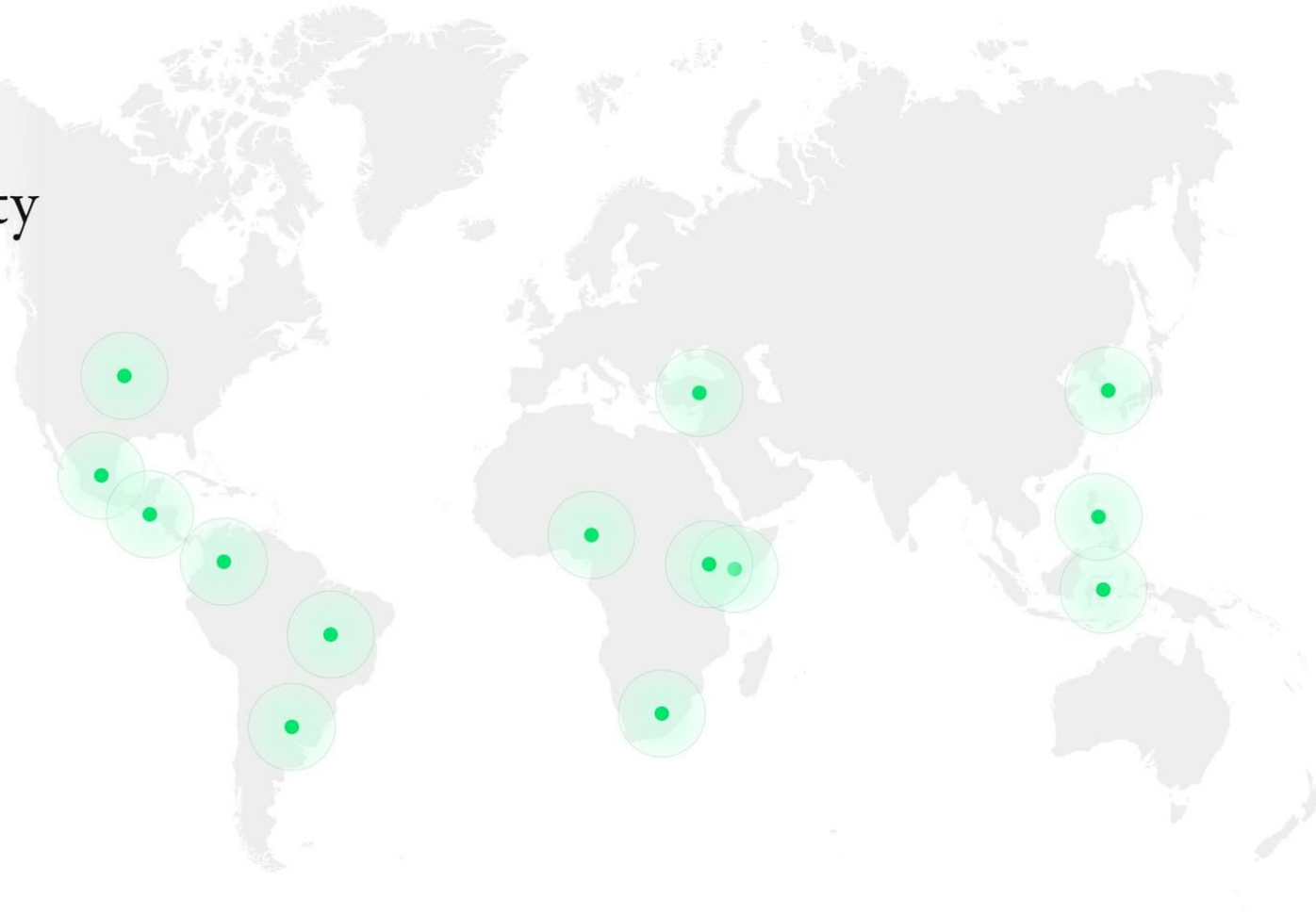
Tezos is another blockchain tech platform involved in Africa
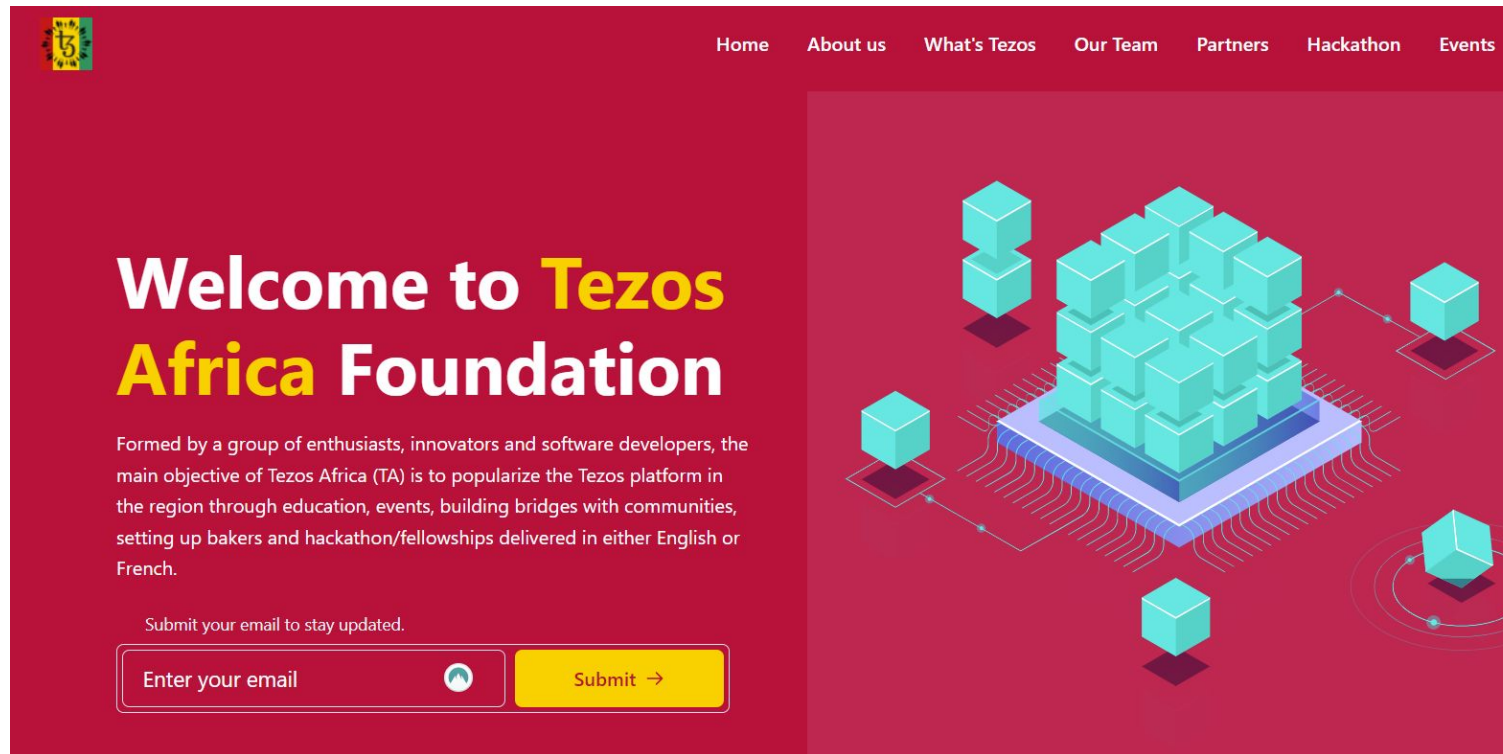
Tezos is a proof-of-stake blockchain known for its community-centric development mechanism and high energy efficiency. The Swiss company has emerged as the go-to blockchain for retail users and institutions keen on reducing their carbon footprint.

Besides its great performance in the environmental segment, Tezos is also among the most efficient and cost-effective blockchain ecosystems. XTZ is Tezos' native token powering the ecosystem. The token is listed on several trading exchanges and is tradable for other cryptos and cash.

Bantu Blockchain Foundation

Africa led blockchain ecosystem, Bantu, begins its global expansion phase

PULSE MIX | January 24, 2022 11:53 AM

The Bantu Blockchain Foundation, Friday 21st January 2022, unveiled its first Brand Influencers at the Bantu Xpansion programme that was held in the city of Lagos, Nigeria – Africa's commercial nerve center, signaling a landmark moment for the promotion of the blockchain ecosystem in the continent.

the **Bantu Blockchain Ecosystem** aggregates several services on the blockchain network, featuring easy to adopt tools like the ecosystem BantuPay wallet, a network dashboard, a blockchain explorer (an analytic search engine), a 'laboratory' for developers, a community forum, as well as a one click digital token generator.

"In the era of the 4th industrial revolution, Africa can no longer afford to be the last. We have come of age, and we are growing exponentially. We have the largest and youngest demographic in the world, and we have the most technology-literate youths in our ecosystem"

Ernest Mbenkum

Founder and CEO of BBF

Africa blockchain ecosystem partners

West Africa Decentralized Alliance - Western Africa

CONNECTING **WE**ST AFRICAN DEVELOPERS AND ENTREPRENEURS TO THE CARDANO ECOSYSTEM AND DISTRIBUTED LEDGER TECHNOLOGIES (DLT)

THROUGH:
INFRASTRUCTURE
EDUCATION
DAPP DEVELOPMENT
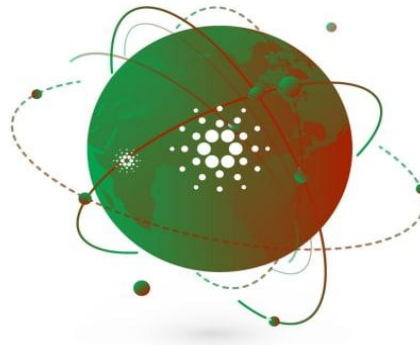
team@wadalliance.org

- Focus on Cardano
- Very active in Western Africa
- Run various projects and events in DRC
- Cardano Summit 2021 in Goma
- Last conference in Kinshasa (Cardano) on 12.02
- Implementation of Atala PRISM DID in universities in Eastern Congo
- Stake Pool relay in Goma, Eastern Congo.

Africa Blockchain Alliance - Nigeria, South Africa, pan-African

Major blockchain events have already occured

ETHLagod is a good example of a public & private collaboration including European stakeholders. The focus was on applications using the blockchain 'Ethereum' in the energy sector

ETHLagos
#Power2020

March 29 - April 4, 2020

Victoria Island, Lagos, Nigeria

@ ETHLagos

AFRICA
BLOCKCHAIN
ALLIANCE

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

We can learn from them and reproduce the experience

UABA - United Africa Blockchain Alliance
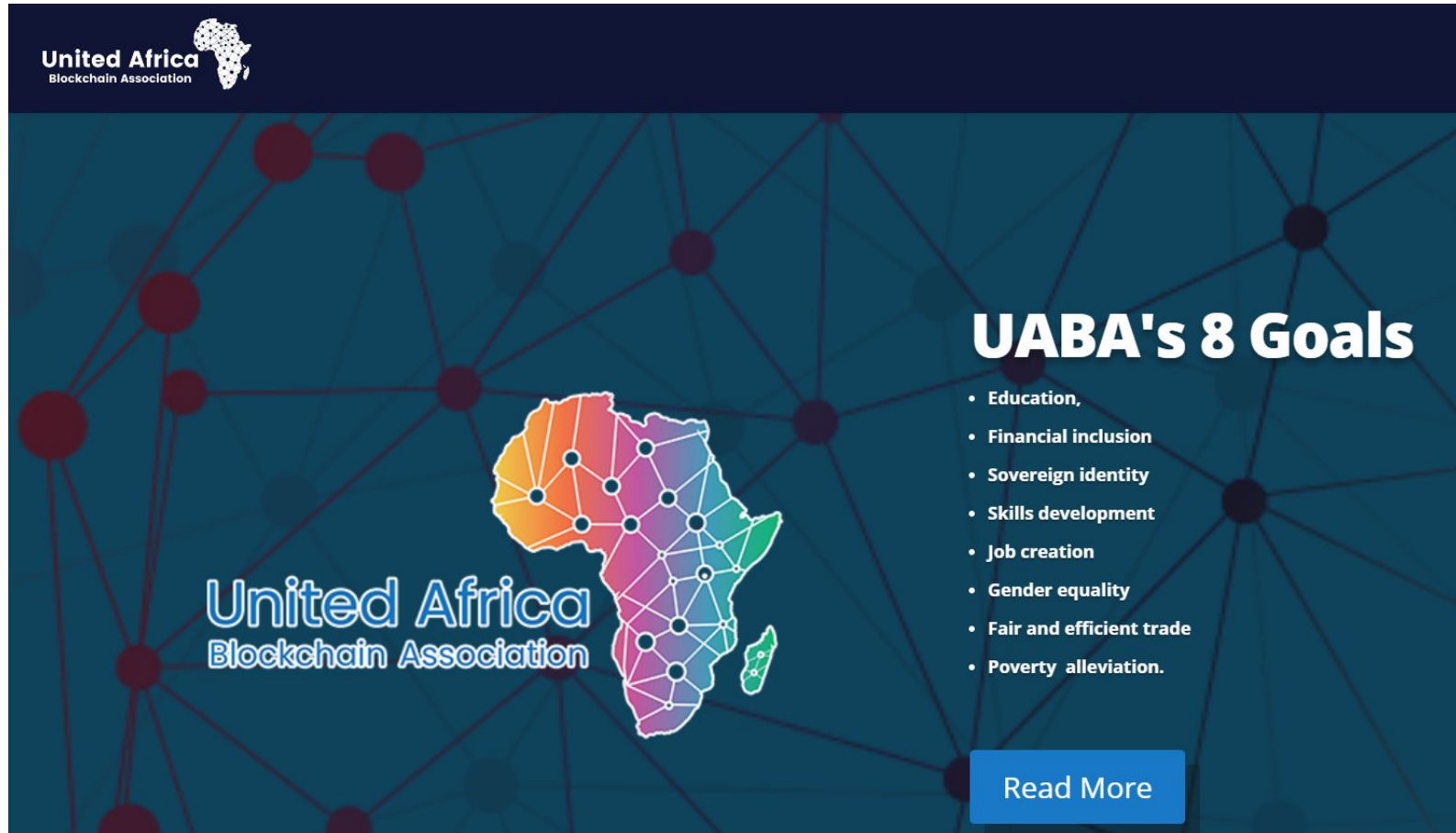
From South Africa & representatives across Africa

The mission of the **UABA** is To unify the African blockchain ecosystem toward 8 common goals of harmonious coexistence and progress which are

- education
- financial inclusion
- sovereign identity
- skills development
- job creation
- gender equality
- fair and efficient trade
- poverty alleviation

https://www.uaba.io/

South African National Blockchain Alliance
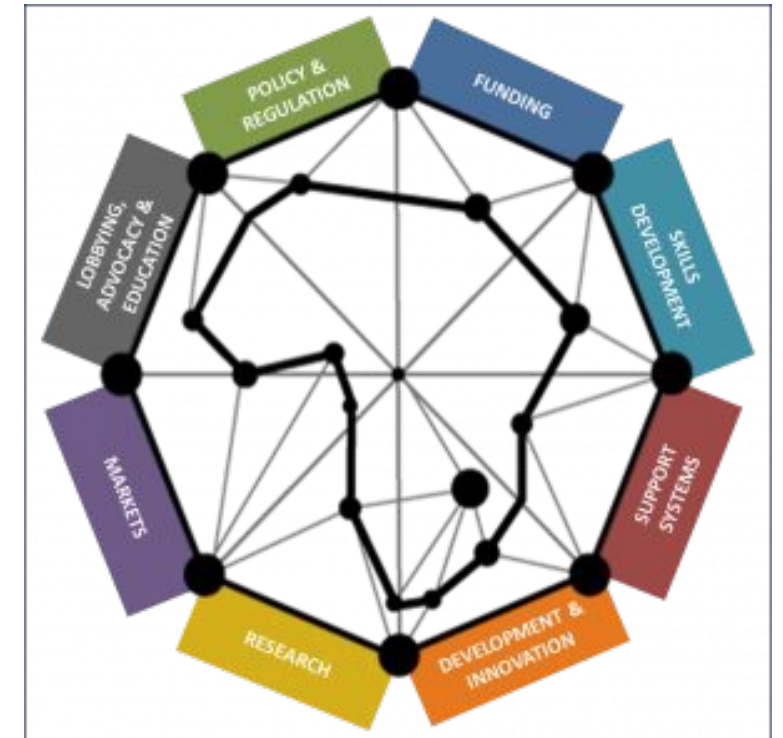
Blockchain for Africa - Cameroon

Media platform to advocate for blockchain in Cameroon and in the region

African Digital Asset Framework
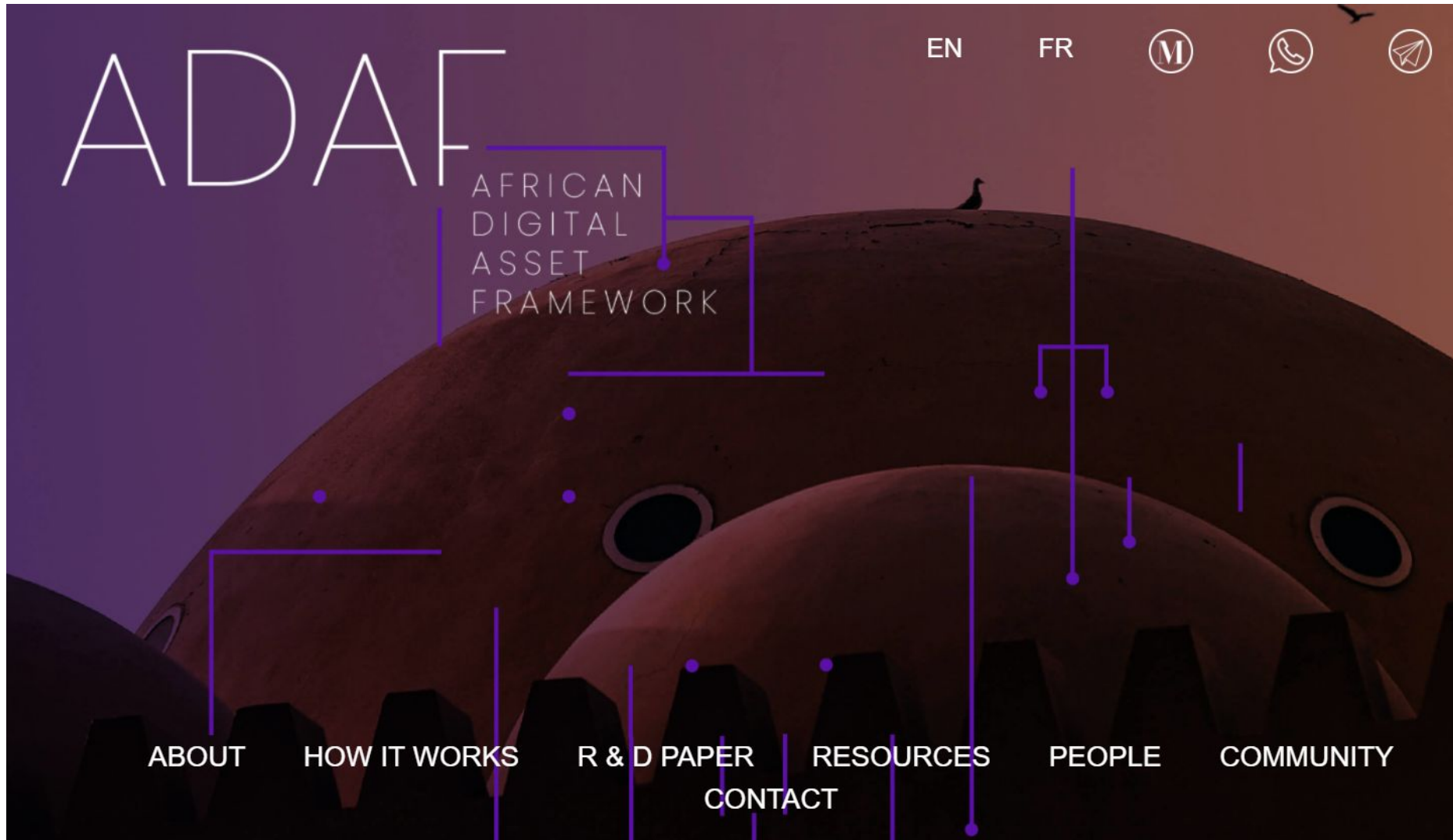
# Africa Blockchain Institute - Eastern Africa

Women in Blockchain Africa
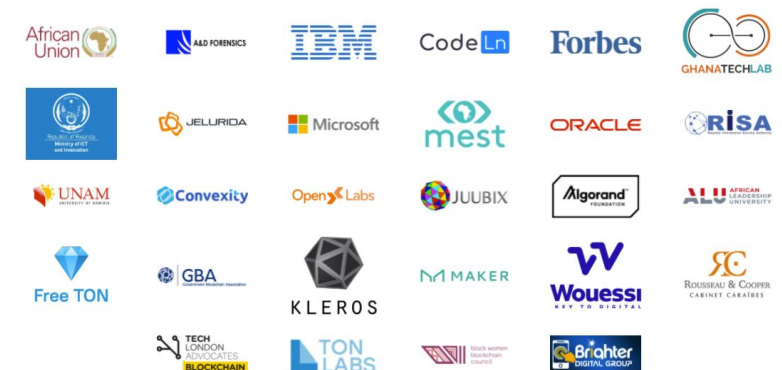
What is Women in Blockchain Africa?

Women in Blockchain Africa (WBA) is a blockchain awareness platform aimed at empowering women through blockchain technologies as well as foster the sustainable partnership of women to lead in the education, development, and promotion of blockchain technologies in Africa, where they meet other women who are enthusiastic about innovative disruptive systems and the blockchain technology.
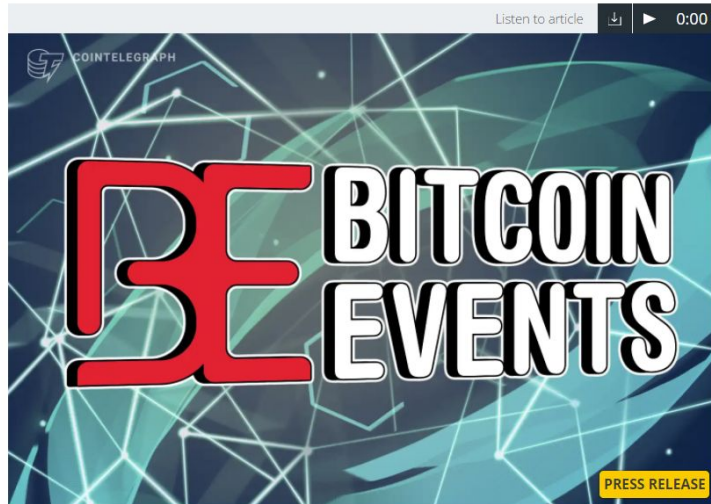
Blockchain Association Cameroon
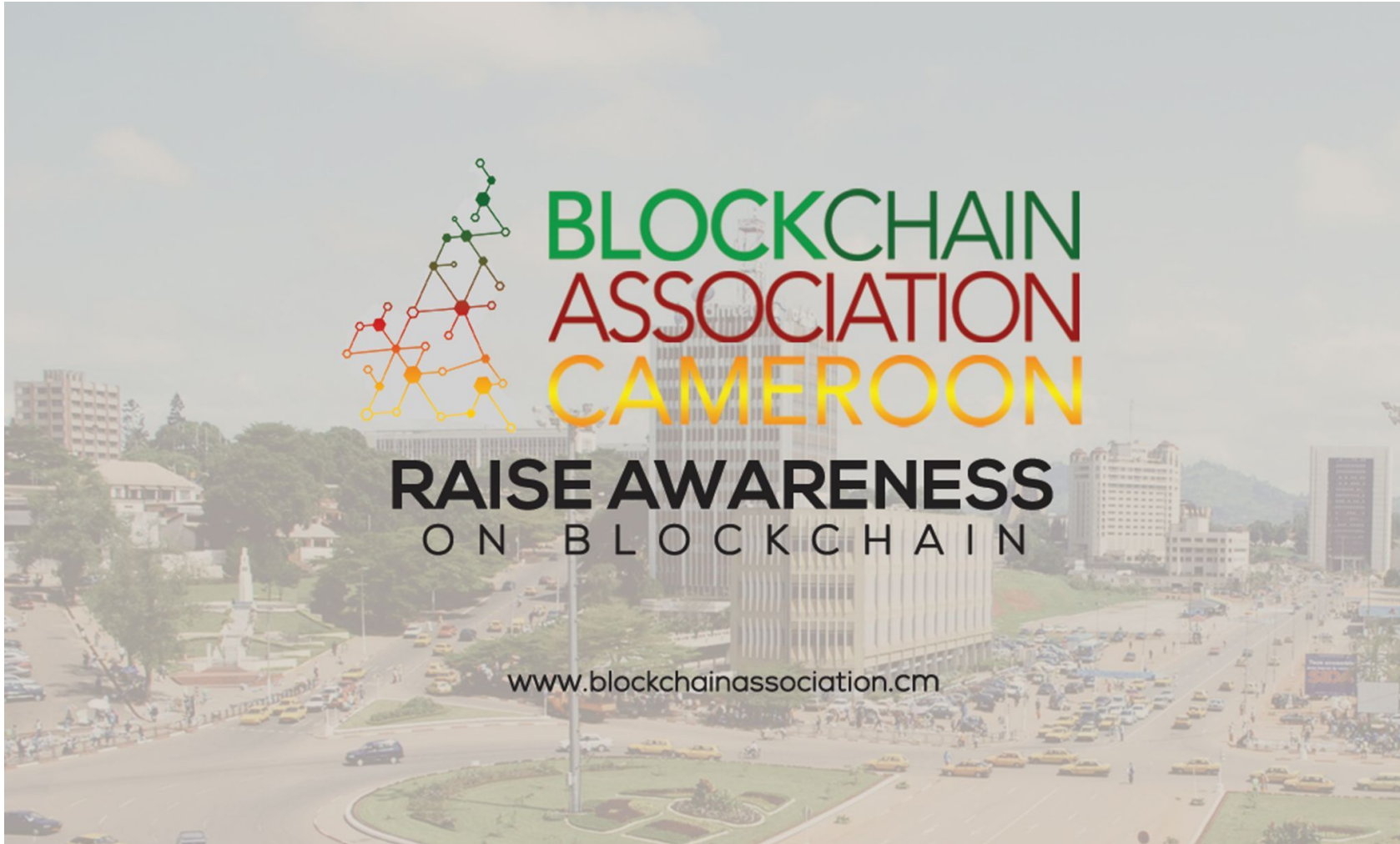
Cameroon Blockchain Business Council

Blockchain Africa Conference: rather a focus on crypto

Blockchain Africa Conference 2022: 'Ready for Business?' returns, announces speakers

March 17 and 18, 2022.

Speakers/Program [here](#)

Includes DafriGroup, Standard Bank, South African Reserve Bank, Bantu blockchain, Parity, Sovrin Foundation, IBM, Tron, Binance..

Selected projects

UNICEF Giga Connect - bringing internet to African schools

- Launched in 2019 by UNICEF to bring Internet to every kid and school

- In Africa: Rwanda, Sierra Leone, Kenya, Niger

- in 2021: fellowship program with the Ethereum Foundation to use blockchain in the connectivity ecosystem (payment, procurement, incentivizing..)

Cardano in Ethiopia

Blockchain

L'Ethiopie choisit Cardano pour « le plus important déploiement blockchain au monde »

Date de création: 29 avril 2021 13:15

| @ EMAIL | f FACEBOOK | in LINKEDIN | y TWITTER | | | |

(Agence Ecofin) - L'Ethiopie cherche à transformer plusieurs secteurs de son économie en utilisant des solutions digitales. L'annonce cette semaine d'un partenariat d'envergure avec l'entreprise derrière la blockchain Cardano devrait l'aider dans ce sens, et augmenter la valeur de la cryptomonnaie ADA.

IOHK, le développeur de la blockchain Cardano, a annoncé cette semaine qu'elle a conclu un accord avec le gouvernement éthiopien pour déployer la technologie blockchain dans le pays. Il s'agit de développer un système national d'identification et d'enregistrement des résultats basé sur la blockchain, afin de vérifier numériquement les notes, de contrôler à distance les performances des écoles et de stimuler l'éducation et l'emploi dans tout le pays.

Le projet, présenté comme « le plus grand déploiement de blockchain au monde », fait partie de la stratégie Digital Ethiopia 2025 que le gouvernement veut utiliser pour transformer plusieurs secteurs, y compris l'agriculture, la fabrication, la santé, le transport ou encore le tourisme. Le système qui sera développé par IOHK utilisera Atala PRISM, sa solution basée sur la blockchain Cardano, et devrait toucher 3 500 écoles, 5 millions d'élèves et 750 000 enseignants.

- Started 2021
- Goal of the blockchain project: create a national blockchain-based identification and results recording system to digitally verify grades, remotely monitor school performance and boost education and employment nationwide.
- The system to be developed by IOHK will use Atala PRISM, its Cardano blockchain-based solution, and is expected to reach 3,500 schools, 5 million students and 750,000 teachers.
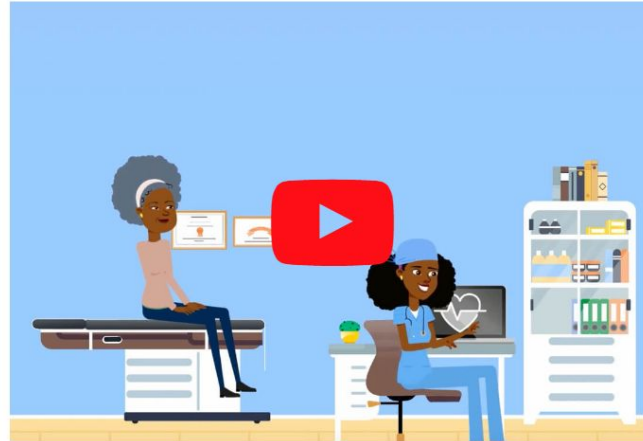
KimboCare: Cameronians in Europe supporting healthcare in their home country

Don't send money. Send care.

Tired of sending money home and not knowing how effective your help is? Now, you can directly purchase quality medical services for your loved ones and track their care on our platform, at an affordable cost.

- Connecting Cameroun/Western Africa with Europe

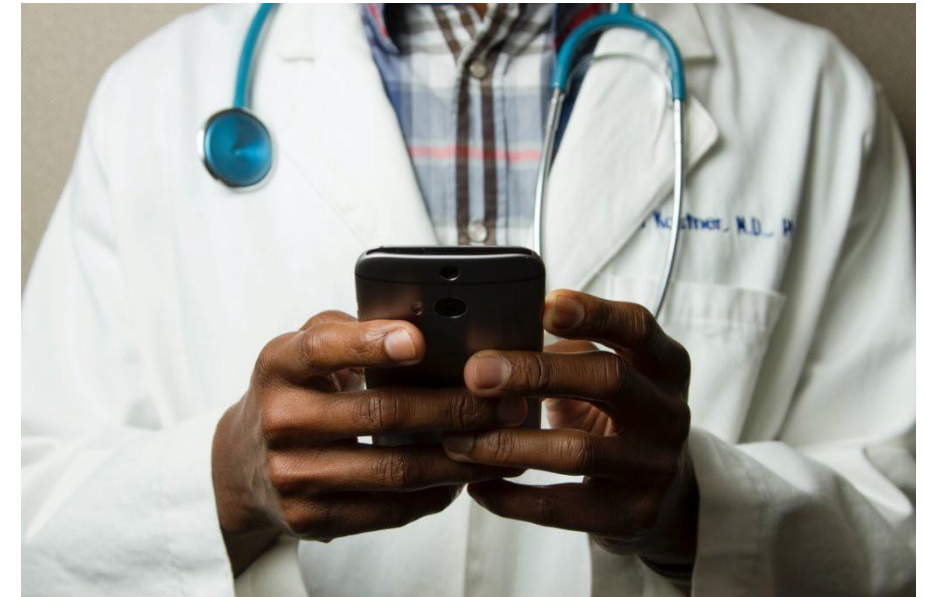- Instead of sending money traditionally, people can support healthcare expenses of their relative through a trusted platform
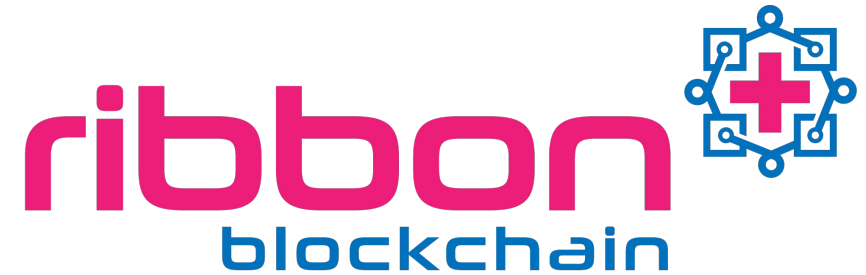
Ribbon Blockchain - South Africa

Blockchain for healthcare resilience

Ribbon's **Universal Public Health Incentivization platform** seeks to improve the non-adherence to chronic medicine, and reduce poor health-related behavior.

The **Ethereum-based platform** automates and enforces quality rating of every single Patient-Healthworker interaction experience, rewarding both parties for effort, efficiency, accuracy, productivity and accomplishment of specific tasks within set timelines to improve health outcomes.

PB interview with Ribbon:
https://medium.com/positiveblockchain/blockchain-for-healthcare-resilience-in-africa-interview-with-ribbons-gugu-newman-641d86f8828e

Etherisc – Kenya

Decentralized insurance protocol to collectively build insurance products

ETHERISC

Make Insurance Fair and Accessible

Etherisc onboards 17K Kenyan farmers covered by blockchain-based crop insurance
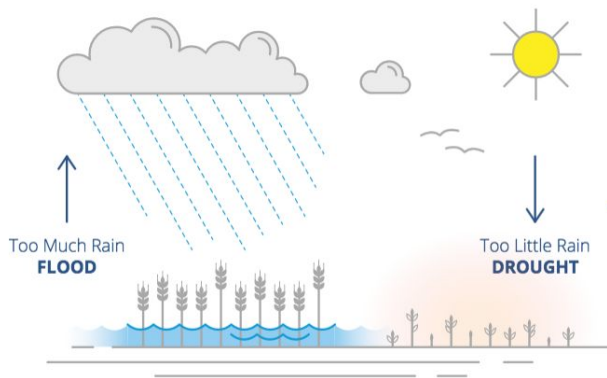
The project said it would be paying roughly 6,000 farmers for crops adversely affected by climate change before the end of the season.

3259 Total views   7 Total shares   Listen to article   2:10

- Kenyan service provider ACRE Africa & German blockchain startup Etherisc

- 3% of smallholder farmers in sub-saharian countries have agriculture insurance coverage

- 17 000 onboarded farmers on a blockchain platform as of July 2021

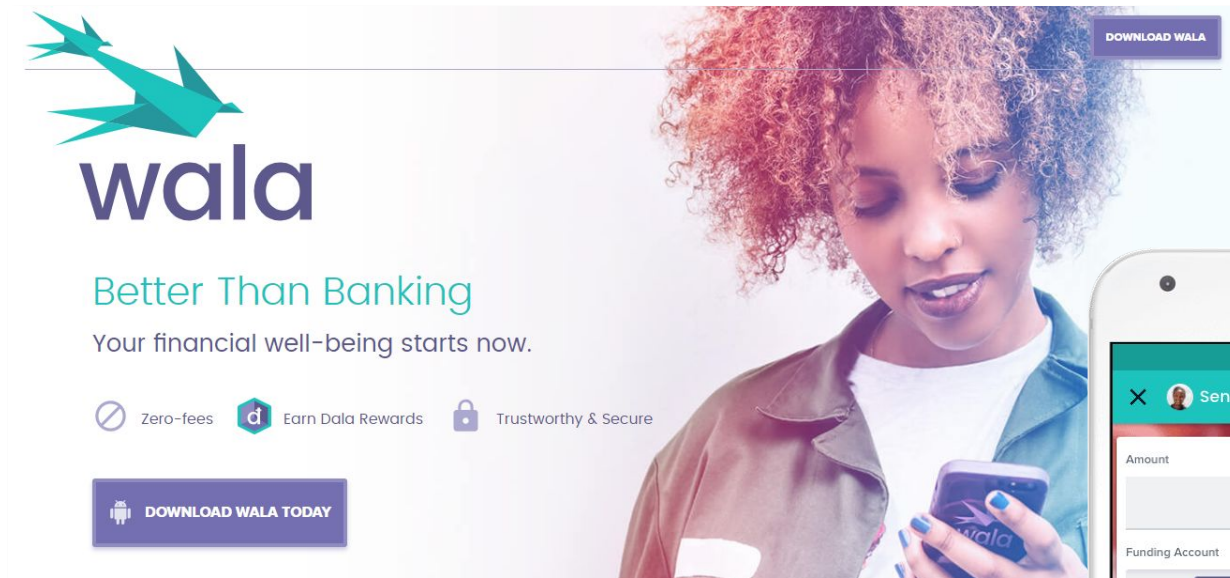# UN FAO charcoal traceability project in Ivory coast

- MALEBI, Resource Extraction Monitoring (REM) et Gaiachain
- 47% of households use charcoal as Energy source in Ivory Coast
- Current markets are informal, inefficient, unsustainable, prone to corruption
- Charcoal Trace as piloted solution to trace charcoal
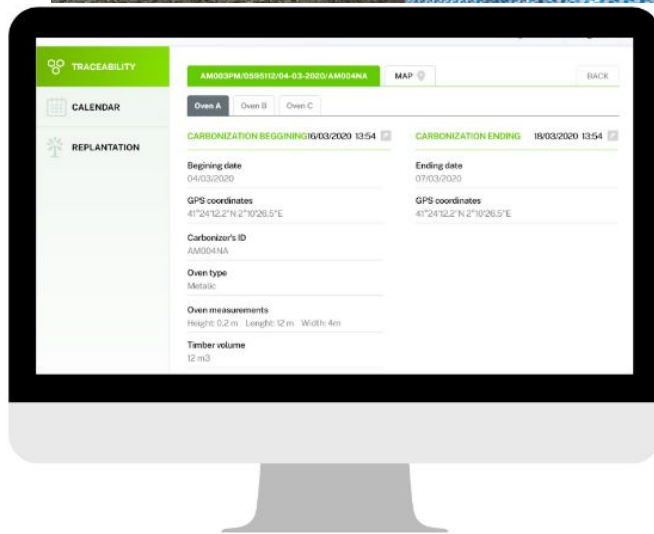
Wala – South Africa

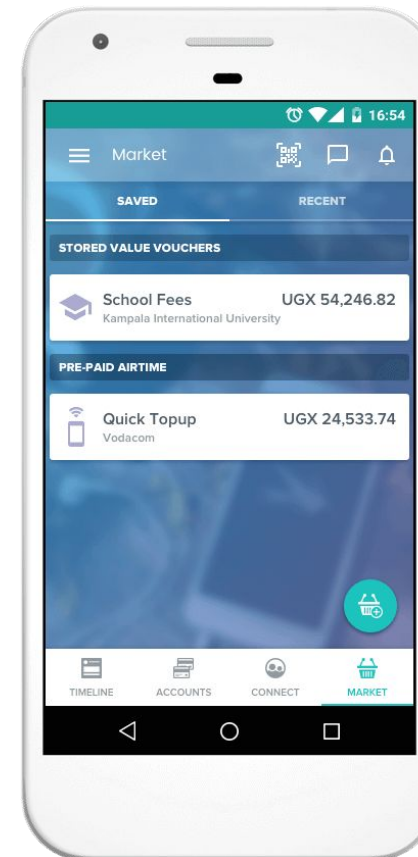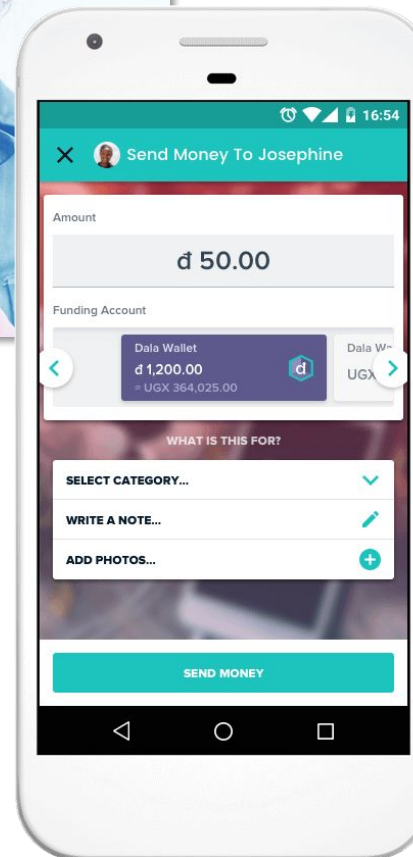*a zero-fee money app on a mission to support you on your path to financial freedom*

wala

Better Than Banking

Your financial well-being starts now.

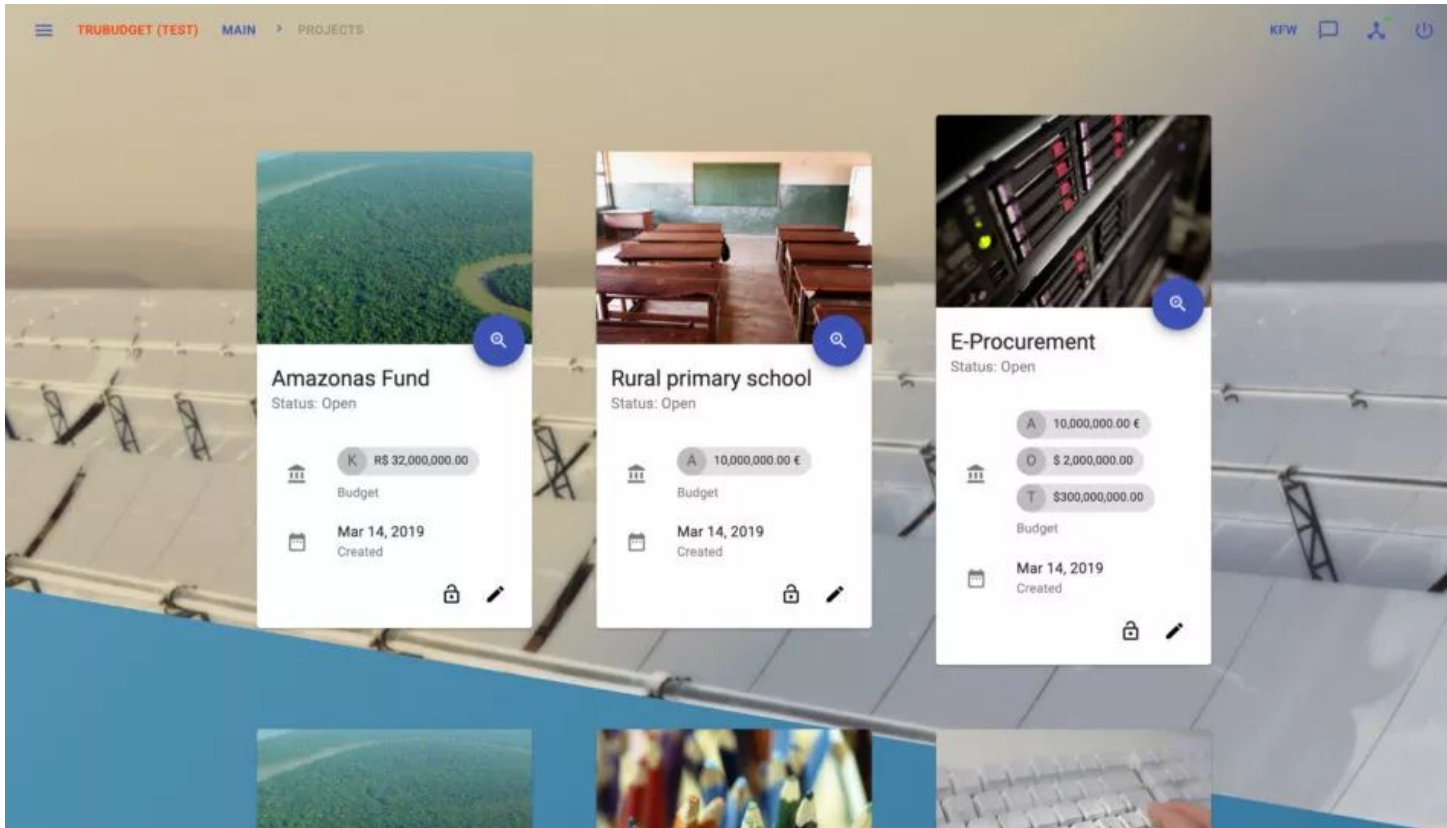Zero-fees   Earn Dala Rewards   Trustworthy & Secure

DOWNLOAD WALA TODAY

Send Money To Josephine

Amount

đ 50.00

Funding Account

Dala Wallet
đ 1,200.00
= UGX 364,025.00

WHAT IS THIS FOR?

SELECT CATEGORY...

WRITE A NOTE...

ADD PHOTOS...

SEND MONEY

Market

SAVED   RECENT

STORED VALUE VOUCHERS

School Fees   UGX 54,246.82
Kampala International University

PRE-PAID AIRTIME

Quick Topup   UGX 24,533.74
Vodacom

TIMELINE   ACCOUNTS   CONNECT   MARKET

Tricia Martinez
Founder & CEO

https://getwala.com/

60

KfW TruBudget platform for better international aid and cooperation

- KfW is a German development bank

- Trubudget was launched as a collaborative, open source platform, where data related to infrastructure development projects is shown in realtime

- Countries such as **Burkina Faso** or **Ethiopia** have implemented is

Cobal traceability in Congo

Le programme « Better Cobalt » et le Responsible Sourcing Blockchain Network (RSBN)

Lancé en 2018, le projet expérimental baptisé « Better Cobalt », avait pour objectif premier de garantir que les sites d'extraction de cobalt n'exploitent pas les enfants. Mais plus globalement, il s'agissait de **donner à la chaîne d'approvisionnement du cobalt congolais un caractère plus éthique, plus démocratique, et un impact socio-économique positif.**

Pour ce faire, RCS Global, l'entreprise britanique derrière cette initiative, a utilisé le **Responsible Sourcing Blockchain Network** (RSBN), sa solution blockchain pour le suivi des matières minérales. Le RSBN est construit sur la blockchain d'IBM et alimenté par **Hyperledger Fabric** de la Fondation Linux.

Le principe est d'équiper chaque sac scellé de cobalt produit par un mineur artisanal d'une étiquette numérique. Cette étiquette peut être inscrite sur la blockchain à l'aide d'un téléphone portable ou d'un ordinateur. Les informations enregistrées sur la dite étiquette sont liées entre autres au poids du sac, à la date et à l'heure d'enregistrement et aux acteurs de la chaine de la valeur.

Minespider
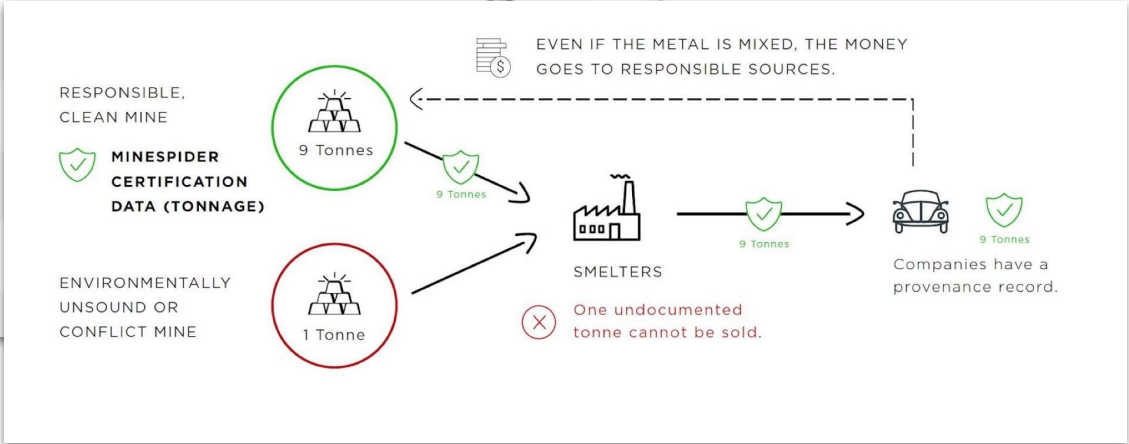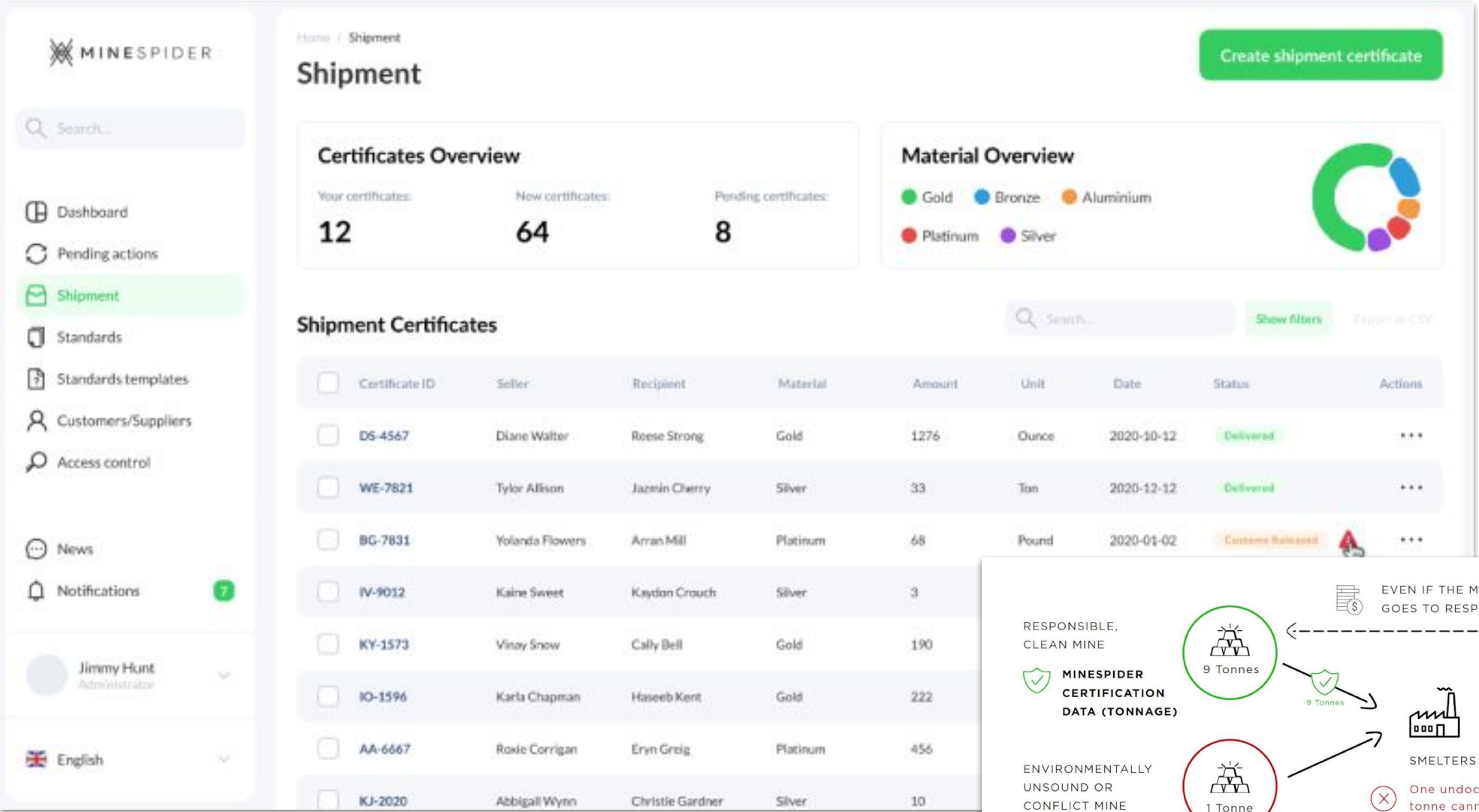
Minespider

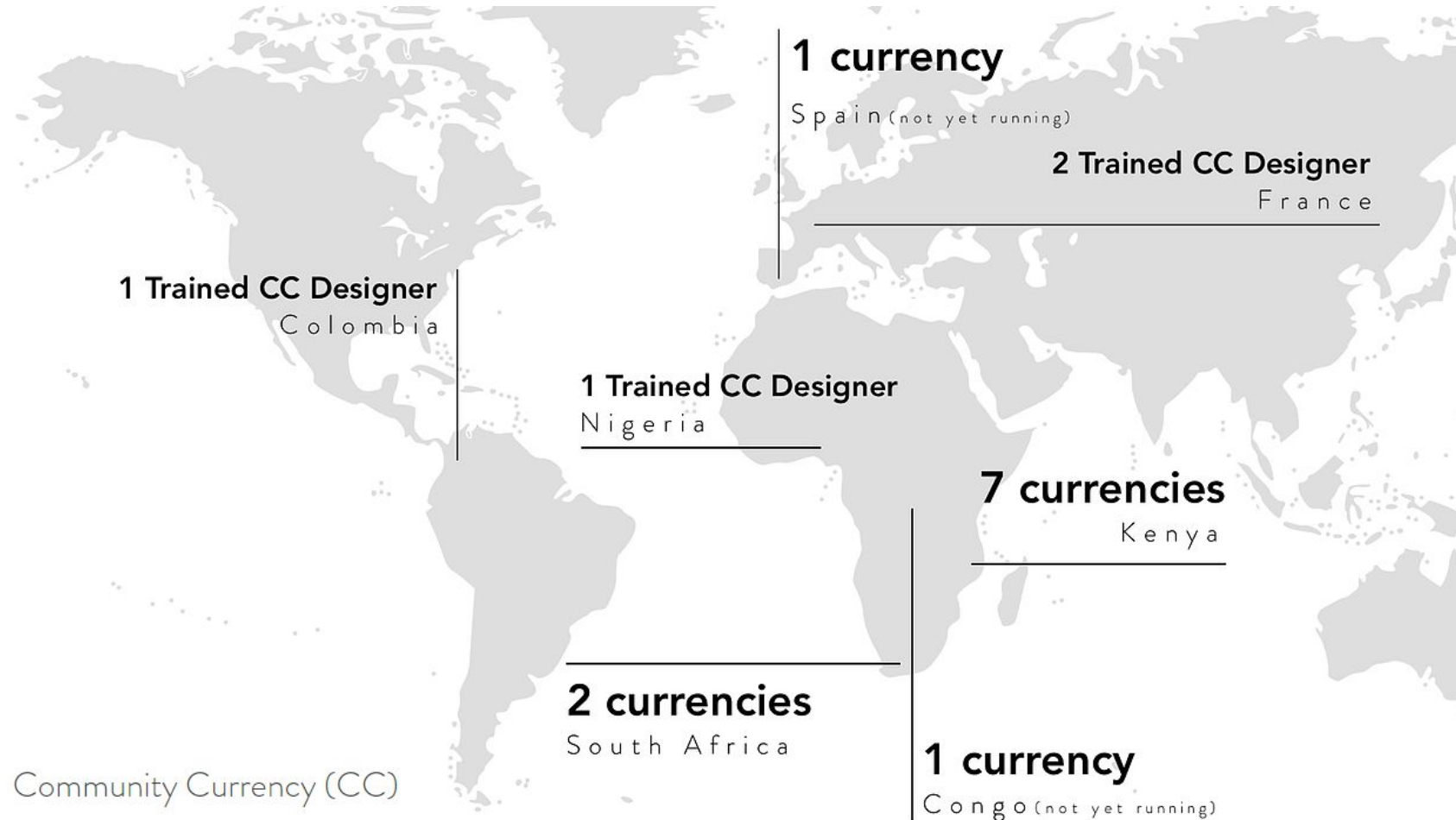# Grassroot Economics - Kenya

Kenya-based nonprofit helping small communities create their own currencies

Grassroots Economics is a non-profit foundation that seeks to empower marginalized communities to take charge of their own livelihoods and economic future. The focus is on community development through economic empowerment and community currency programs. Beneficiaries of programs include small businesses and people living in informal settlements as well as rural areas.

Grassroot Economics - Kenya

Kenya-based nonprofit helping small communities create their own currencies

1 currency
Spain (not yet running)

2 Trained CC Designer
France

1 Trained CC Designer
Colombia

1 Trained CC Designer
Nigeria

7 currencies
Kenya

2 currencies
South Africa

1 currency
Congo (not yet running)

Community Currency (CC)

Caroline Dama

YESS Impact, MYWE & hiveonline

Blockchain for Village Savings and Loan Associations in Uganda

Improving security and transparency in financial access

BenBen

ABOUT US

Modern Land and Real Estate Solutions

Founded in 2015 by Emmanuel Buetey Noah, BenBen is a Ghanaian based landtech firm. In a bid to bridge the gap between land rights holders and land market actors. BenBen leverages distributed ledger technology frameworks to create trusted, transparent and integrated land transaction environments in frontier economies.

By bridging the gap between formal and off-market land/property data and transactions, by offering land market actors a secured digital environment for accessing rated land information and facilitating land transactions.

HouseAfrica

houseafrica

Home   About   Sytemap   Blog   Contact

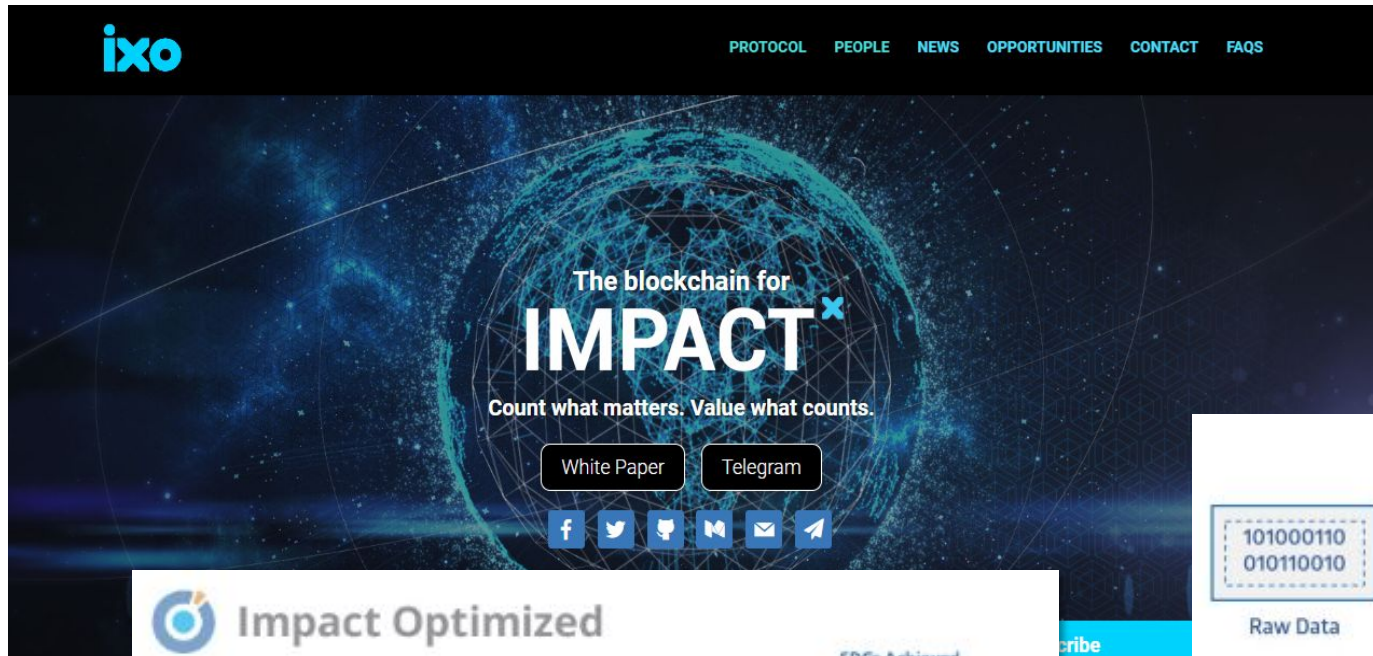# Your one-stop platform for property transactions in Africa.

We are a blockchain-based property record system,
that help home buyers and financial companies to access,
verify and value properties effortlessly.
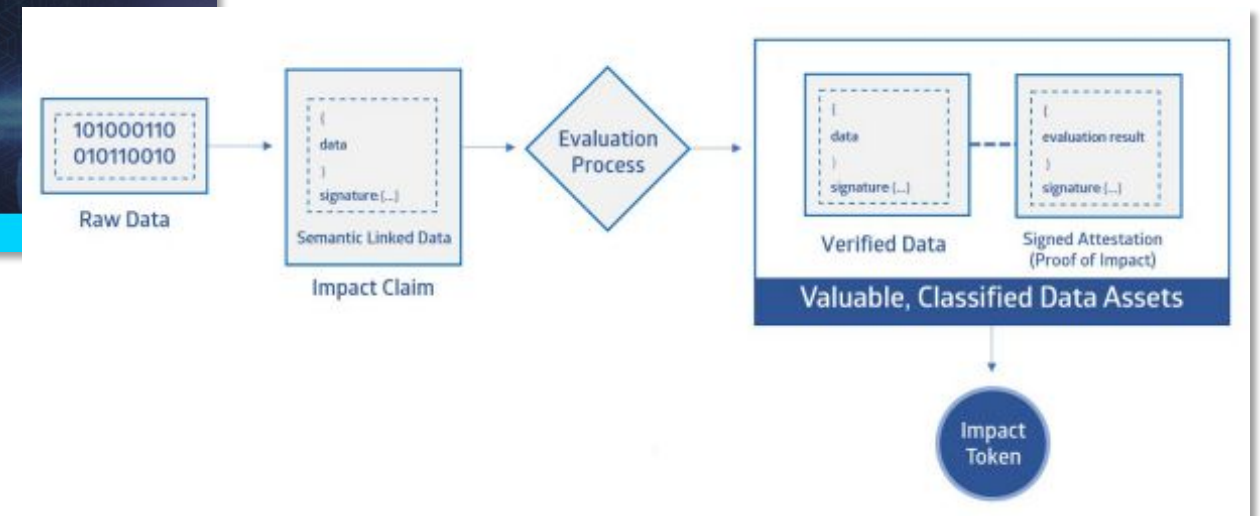
Learn More   ▶ Watch Video

Ixo – South Africa

Protocol and platform for claiming impact via the blockchain
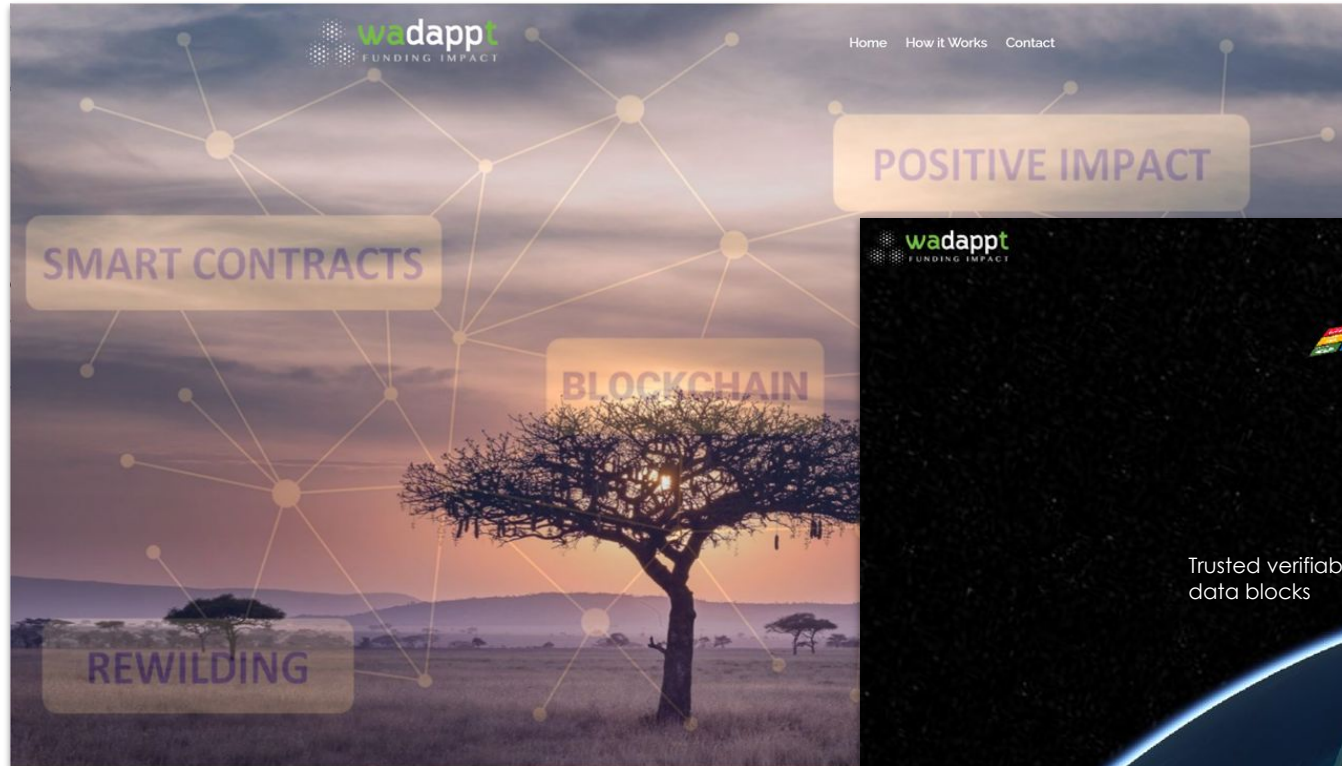
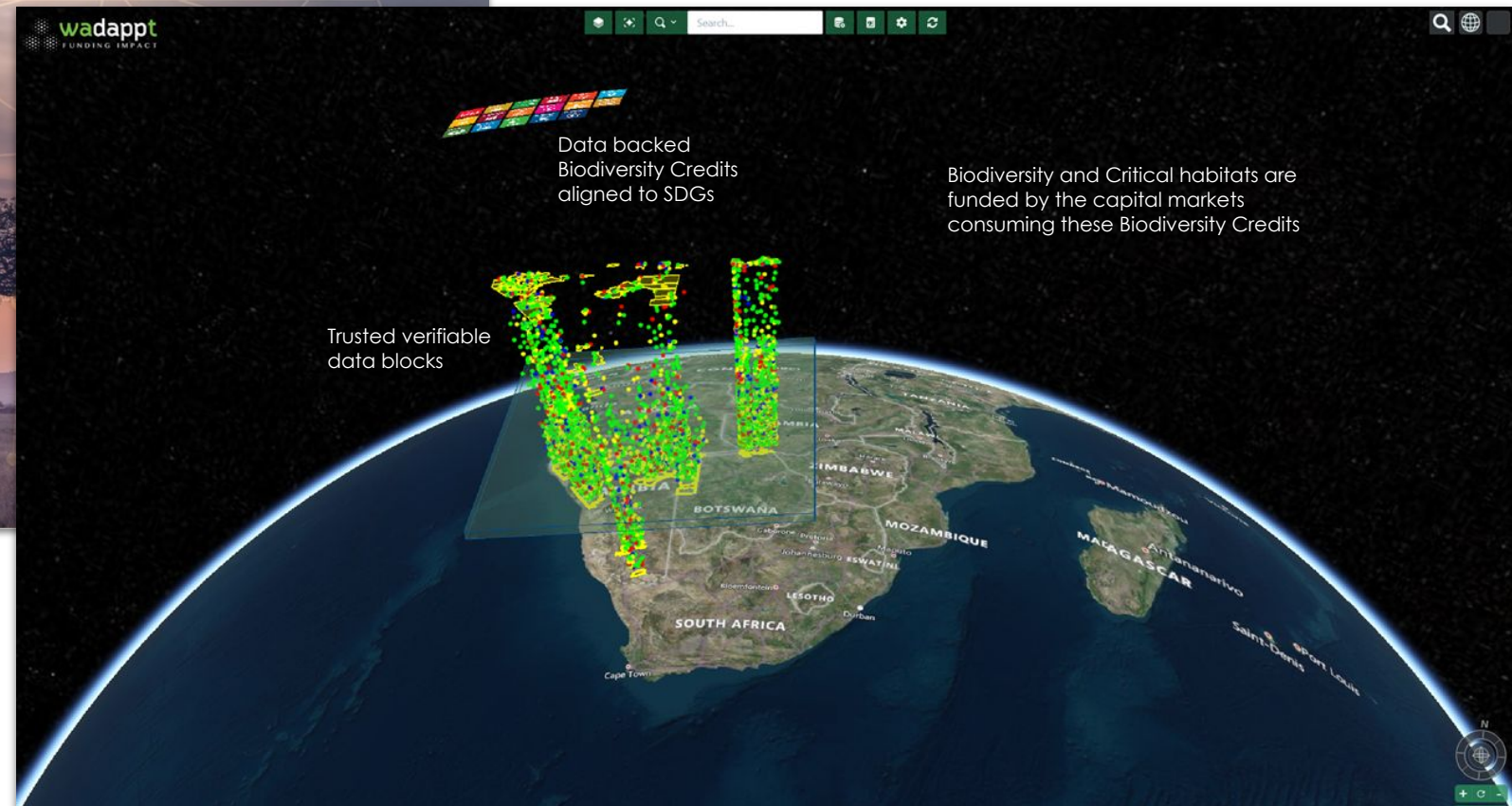https://ixo.world

The generic process for evaluating an impact claim

Wadappt – South Africa

Utilising blockchain based innovative funding mechanisms for Biodiversity and Critical Habitats across Africa
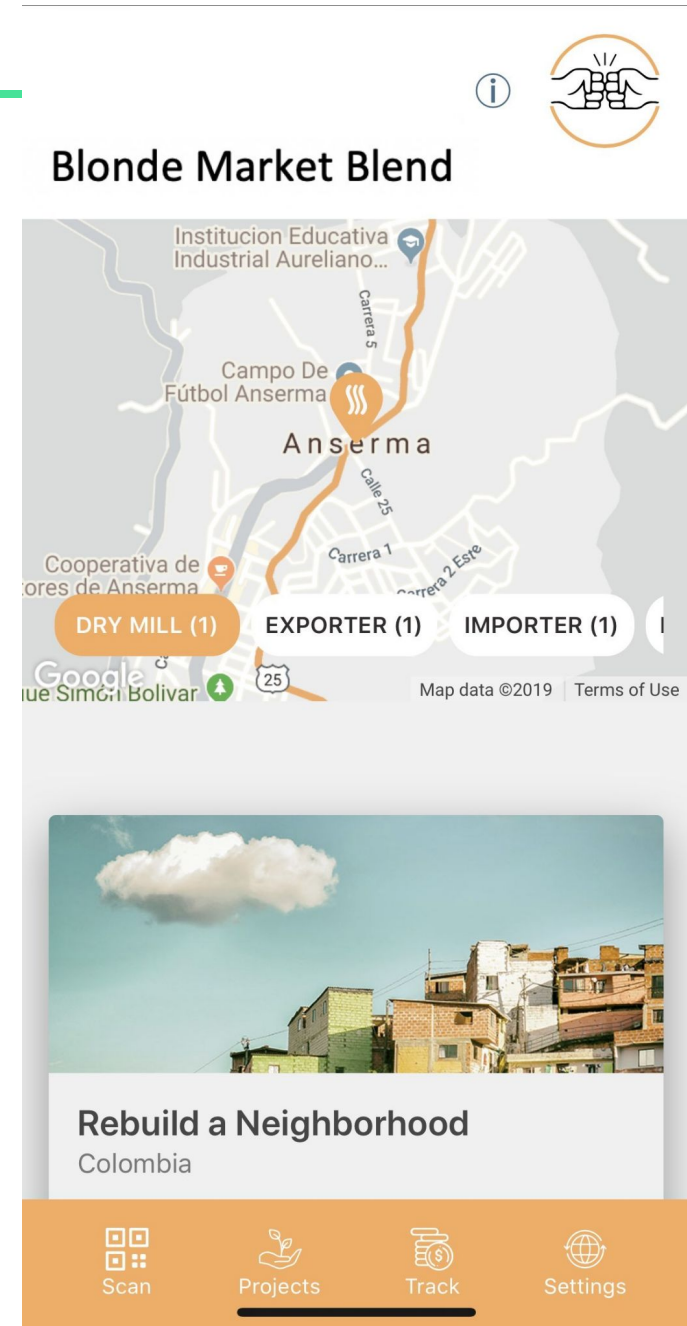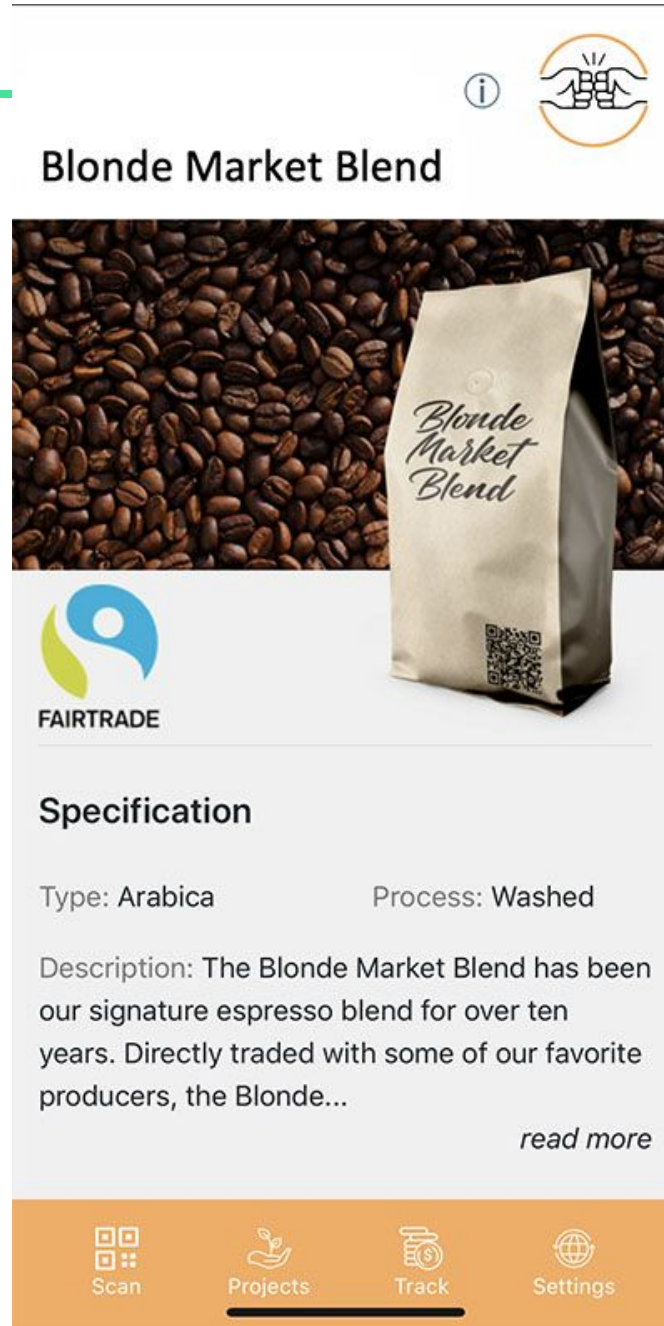

https://wadappt.io/

Farmer Connect (IBM)

Farmer Connect and "Thank my Farmer" app launched in 2020

By IBM and Beyers Koffie, The Colombian Coffee Growers Federation (FNC), ITOCHU Corporation, Jacobs Douwe Egberts (JDE), The J.M. Smucker Company, Rabobank, RGC Coffee, Volcafe, Sucafina and Yara International

UN WFP Building Blocks

A project from the World Food Program to use Blockchain for cash-based interventions

Project overview

Building Blocks is the world's largest implementation of blockchain technology for humanitarian assistance; currently assisting 1 million people in Bangladesh and Jordan, enabling them to securely access and receive multiple forms of assistance from different organizations via one access point.

The project has now completed its life cycle with the WFP Innovation Accelerator.

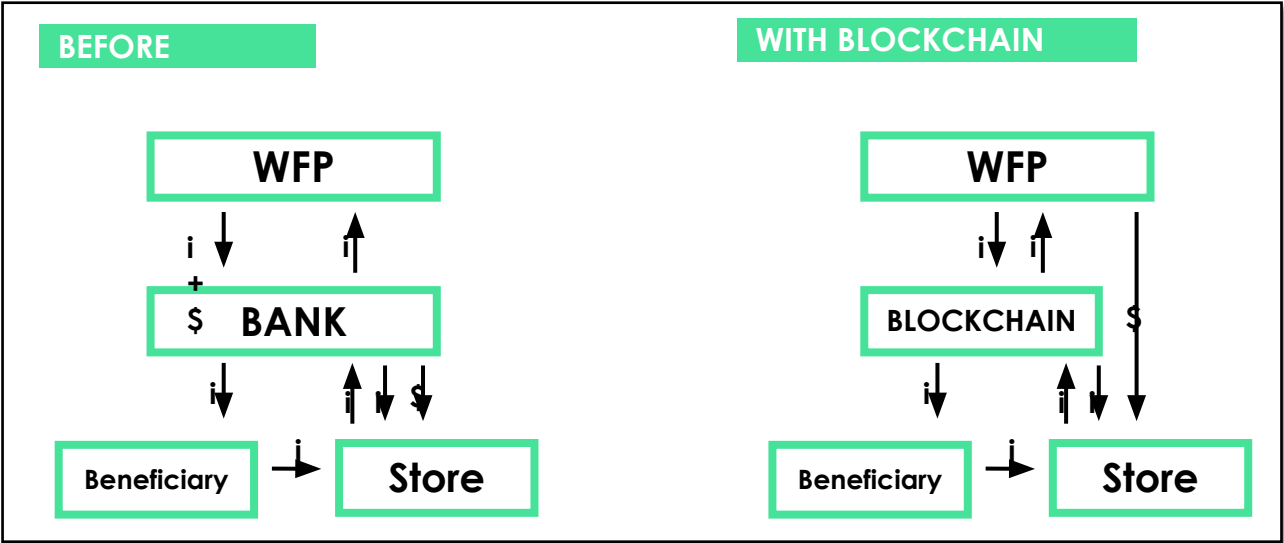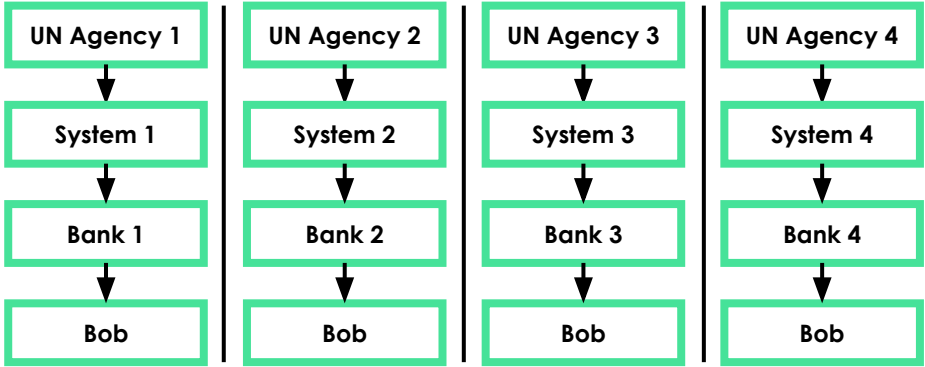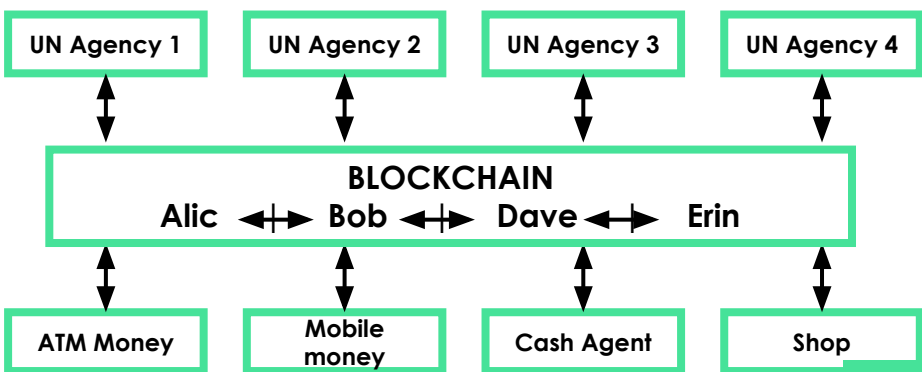| **1M+**	**2**	**US$ 325M**	**15M**	**US$ 2.5M**
people supported every month	active countries	in assistance provided	transactions processed to date	saved in bank fees to date

UN WFP Building Blocks

UN WFP Building Blocks

A project from the World Food Program to use Blockchain for cash-based interventions

BEFORE

UN Agency 1	UN Agency 2	UN Agency 3	UN Agency 4
↓	↓	↓	↓
System 1	System 2	System 3	System 4
↓	↓	↓	↓
Bank 1	Bank 2	Bank 3	Bank 4
↓	↓	↓	↓
Bob	Bob	Bob	Bob

WITH BLOCKCHAIN

UN Agency 1	UN Agency 2	UN Agency 3	UN Agency 4
↕	↕	↕	↕

BLOCKCHAIN
Alic ⟷ Bob ⟷ Dave ⟷ Erin

ATM Money	Mobile money	Cash Agent	Shop

ejara - Cameroon

Grow your wealth with Ejara!

Ejara is an app for Africa and its diasporas to access various investment offers: fractional shares, commodities (gold, silver..), cryptocurrency and more.

Buy. Sell. Invest.

Invest in companies that you use on the regular basis starting at 5000 FCFA.

Trade 24/7 across the world using cryptocurrencies.

Let the money you save grow with our interest saving account (Soon available)

Ejara
@EjaraApp

ANNOUNCEMENT 🚨

We just raised $2M to democratize investing in French Africa!

Merci @Melt_Dem @anthemis @MCSocialVenture @lateralcap @LoftyIncCap @JasonYanowitz @_pgauthier @sociallyfinancd @ResiliAnce_io !

Digital Microwork - Kenya

The Digital Microwork project connects young people at risk of hunger to an online microwork platform enabling them to earn income from machine learning jobs using cryptocurrency and e-wallets.

Pilot report

WFP's Digital Microwork aims to bridge the way for these marginalized communities to participate in the global AI industry and earn income using their mobile phones.

As part of this initiative, Corsali is developing a platform that makes digital microwork accessible and available on a mobile device. Celo's blockchain technology offers a faster and more affordable means of payment relative to existing options, significantly reducing the transaction fees for bite-sized microwork.

Together, these elements create an inexpensive, fast, and scalable solution that combines digital microwork with integrated crypto-based micropayments.