Project title : COCOBLOCK - The blockchain for a better traceability of cocoa

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	80 000 €	Coordination	CTA - Technical Centre for Agricultural and Rural Co-operation, Gaiachain	June 2019 - February 2020

Project's goals and results

Main goals
Develop and test a blockchain-based traceability system to increase transparency in the sector, reduce transaction costs and increase profit margins for sustainably produced cocoa.

Specific objectives
OS1. Create a blockchain-based traceability system to control the origin of cocoa and potential fraud on intermediate links
OS 2. Define blockchain-based technology opportunities to reduce transaction costs related to payments transfers in the value chain and for ecosystem services (carbon market payments)
OS 3. Capitalize on project experience and develop a longer term plan with stakeholders to further develop the sustainable cocoa sector with blockchain technologies

Beneficiaries
- Ecookim: Union of cooperatives cocoa-coffee: 23 cooperatives members, aboput 12000 producers, 41450 ha of cocoa
- Cooperative SCEB certified organic and fairtrade: 100 producers (Ethiquable partner)
- Cooperative PCBM of Biébi: certified organic and fairtrade, 50 producers (Altereco partner)
- Cocoa cooperatives of the REDD+ region: 3 active cooperatives and several in the process of formalization
- Downstream links are working with these actors

Results
R1. Direct and indirect stakeholders in the cocoa sector are made aware of the opportunities and challenges of DLT technologies in the context of value chains
R2. A traceability system based on blockchain technology for sustainable cocoa is developed
R3. Technological possibilities to reduce transaction costs related to transfer payments are identified
Consult articles written by our team on this subject:
At the test of the cocoa sector in Ivory Coast, will the Blockchain keep its promises?
Blockchain: an indecisive cocoa sector, but an undeniable guarantee for a controlled origin
Blockchain: an opportunity to improve the traceability of sustainable cocoa in Côte d'Ivoire

Activities
Component 1. Awareness-raising and mobilization of targeted actors in the cocoa sector regarding blockchain technologies to supply chain services.
A1. Public consultations on the traceability and on the efficiency of trade in the Ivorian cocoa sector
A2. Establishment of a working group for the development of the alpha version
Component 2. Development and testing of the traceability system (alpha version)
A1. Formalization of a system of control of the origin
A2. Definition of blockchain-based technology opportunities to reduce transfer transaction costs
A3. Architecture and interface design, testing and improvement of the alpha version
A4. Accompaniment and follow-up of the use of the traceability service
A5. Integration of the payment system in the traceability system and test
Component 3. Capitalization, sharing of experience with the Ivorian cocoa sector and elaboration of recommendations and long-term strategy
A1. Sharing the results
A2. Elaboration of recommendations and long-term strategy