

# EXECUTIVE SUMMARY



## STRATEGIC CONTEXT

- Land tenure/management and cadastre in sub-Saharan Africa in general and in Burkina Faso in particular are going through a serious crisis characterised by:
  - acute social tensions and increasingly violent and deadly community conflicts
  - illegal land sales
  - unauthorised occupation of public spaces
  - an unreliable land registry
- The emergence of disruptive technologies such as Blockchain
- The rise of the internet in African countries
- The awareness of political authorities on the need to quickly disarm this simmering social bomb

## SCOPE

- Establish a reliable and landslide electronic land register based on Blockchain
- As a private initiative in partnership with local authorities (mayors, etc.), landlords and notaries offer registration services to individuals, communities and companies,
- Offer land id-verification to:
  - individuals, communities and companies
  - Financial institutions and banks
- Offer an easy-to-use frontend Mobile App and multitenant website for real-time verification
- In a second phase offer an exchange portal for sellers and buyers (NFT Platform)
- In a next steps offer possibilities to use USSD (from mobile operators) for verification

## STAKEHOLDERS

- Local authorities as first line of land management in Burkina Faso
- Notaries and landlords as registrars
- Tax-authorities
- Government
- Technology providers (Cardano)
- Financial institutions and banks
- Local communities
- Real estate agencies
- Mobile operators

**As digital experts and social entrepreneurs, what technological response can we bring to reduce social tensions due to poor land management and to solve the crucial issue of land registration in Sub-Saharan Africa in general and in Burkina Faso in particular?**

## BARRIERS

- Financial Resources for initial investment
- Reliable energy supply and non-electrified areas
- Poor arbitration of disputed plots
- Poor Internet network coverage and/or no coverage in rural zones
- Corruption of authorities or public servants
- Lack of reliability of existing registers (Excel based registers)

## OUTCOME

- A landslide reliable and Blockchain-based land register
- Reduction of disputes due to a lack of an appropriate land management
- Reduction of community conflicts
- Gradual disarmament of social and community tensions
- Increased use of Blockchain as database for other applications

## SUCCESS INDICATORS

- Number of parcels registered in the Blockchain
- Number of municipalities enrolled in the solution
- Number of services integrated to the solution
- Number of uses of the application
- Number of verification requests
- Financial KPI of the cooperative

# SOLUTION ARCHITECTURE

