



Executive Summary



Humanity and other life on the planet are approaching a catastrophic tipping point, creating an urgent need for innovative and scalable approaches. In parallel the interconnected world rises complexity and uncertainty increasing the need to bring together diversified domain expertise and collective action.

To address those global challenges, among others, it is urgent to implement policy coherent solutions with both private and public participation. Our mission is to design and implement an evidence-based framework to allow this participation and accelerate those policies.

AxessImpact is a company created in 2021 aiming to bring trust and transparency to investors and corporates willing to invest in Nature-based Solutions, SDGs and Carbon certificates.

AxessImpact offers a platform of innovative solutions based on our 3Ms process: Measurement, Monitoring and Monetizing. A multi-stakeholder integrated framework builds on an eco-blockchain able to create multi-protocols with high scalability and resilience thanks to disintermediation and governance.

Agenda



Part I

IN THEORY

What

Why

How

Part II

IN PRACTICE

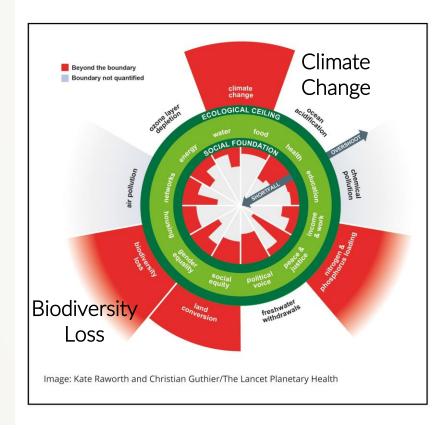
Carbon Market



Wicked Problems Climate Change & Biodiversity Loss



THE WICKED PROBLEMS



NATURE-BASED SOLUTIONS





Wicked Problems Climate Change & Biodiversity Loss

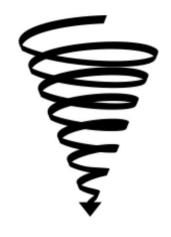


FROM VICIOUS CYCLE...TO

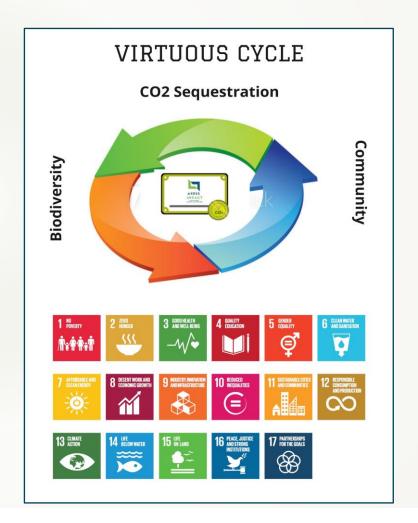
Climate Change is exacerbating Biodiversity
Loss with enormous risk for human
prosperity. Tragedy of Commons and Horizon
increase the risk of inaction and shortermism

Climate Change

Biodiversity Loss



Social unrest





Wicked Problems Climate Change & Biodiversity Loss



Estimates of how much money it would take to end global climate change range between \$300 billion and \$50 trillion over the next two decades and few trillion annually for the Biodiversity loss – with a need to bring solutions to bridge those financing gaps

Such a massive range is due to disagreement among experts, climate change and biodiversity loss are a wicked problem. Multidimensional challenges that are difficult to resolve due to incomplete or contradictory information, differing views on the nature of the problem, or complex interactions with other issues.

They involves many actors and experts, nearly all of whom have different ideas of the problem and its ideal solutions whilst the future costs and benefits are uncertain and unevenly distributed. Those wicked problems are exacerbated by the "Twin Tragedies":

- Tragedy of Commons
- Tragedy of Horizon



Wicked Problems The need for collective action





Denial

Resignation

Determinism

Polarisation



Wicked Problems The need for collective action





Systemic need to see the whole picture

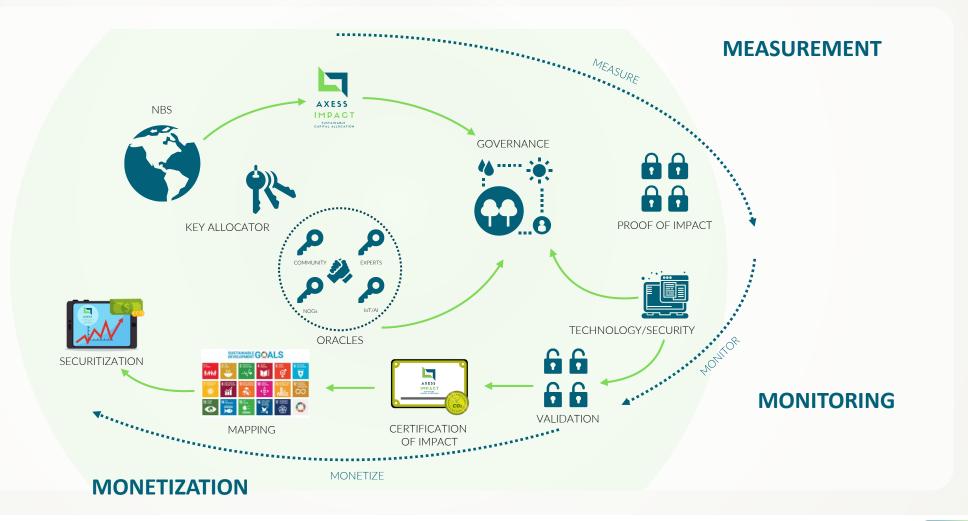
- Private-Public Partnership
- Multi Stakeholders
- Pooled of Knowledge and Expertise
- Cooperation Space / Time / Multiple
- Transparent
- Trustful

SYSTEMS THINKING TO AVOID THE TWIN RISK OF

- Silo Mentality
- Organizational Myopa

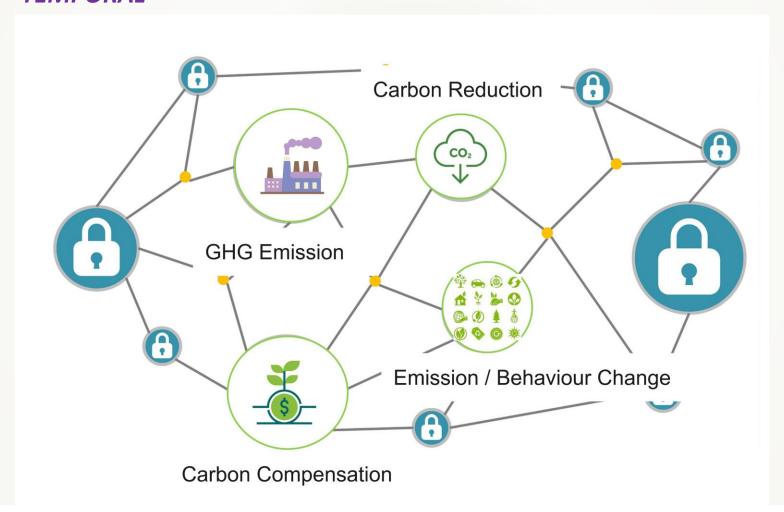
AXESS IMPACT SUSTAINABLE CAPITAL ALLOCATION

Distributive and Collaborative by Design



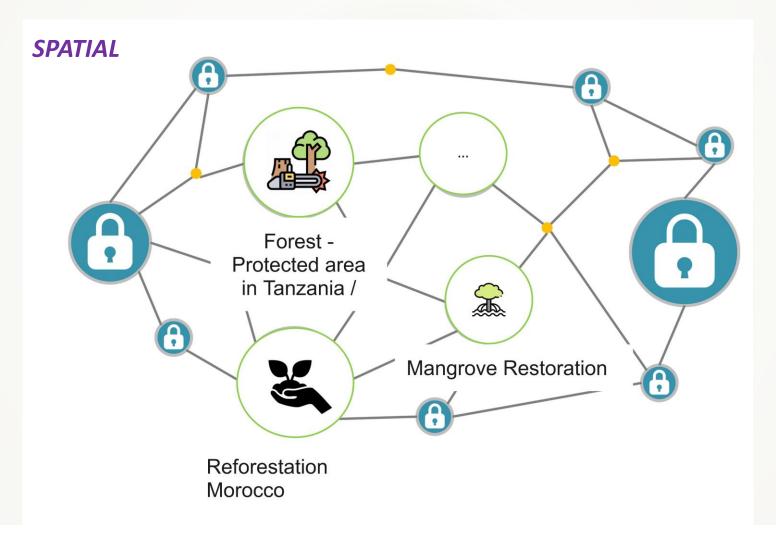
AXESS IMPACT SUSTAINABLE CAPITAL ALLOCATION

Distributive and Collaborative by Design *TEMPORAL*



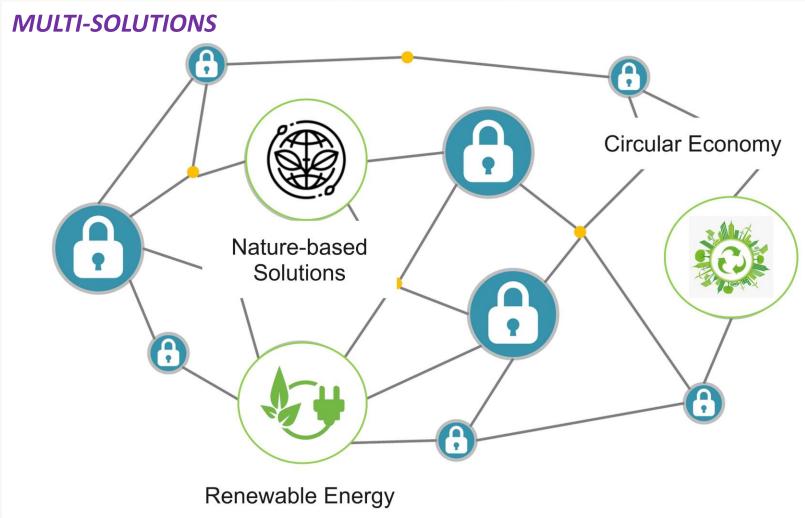


Distributive and Collaborative by Design





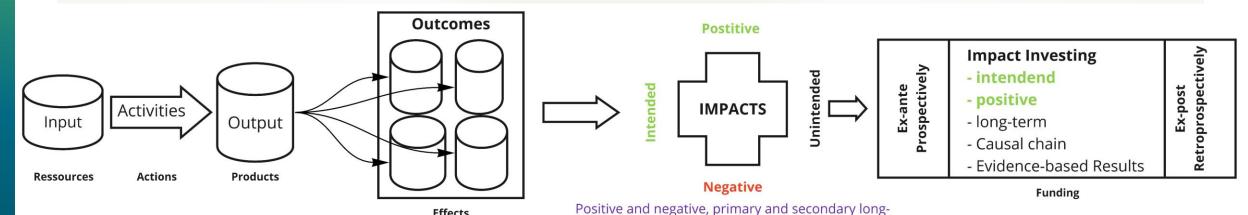
Distributive and Collaborative by Design



FROM ADDITIONALITY....TO THE 3Ms PROCESS



Distributive and Collaborative by Design



Additionality: Trust in Measurement & Monitoring

Effects

AxessImpact: Value Chain of Impact

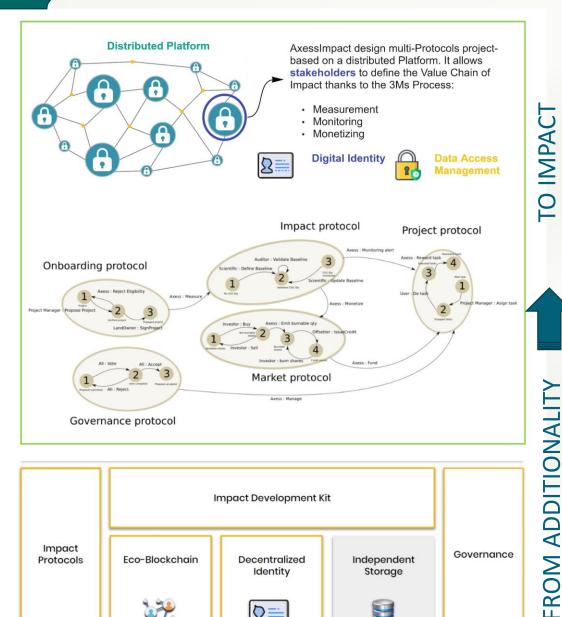
FROM ADDITIONALITY



term effects produced by a development intervention, directly or indirectly, intended or unintended.

TO IMPACT

FROM ADDITIONALITY....TO THE 3Ms PROCESS





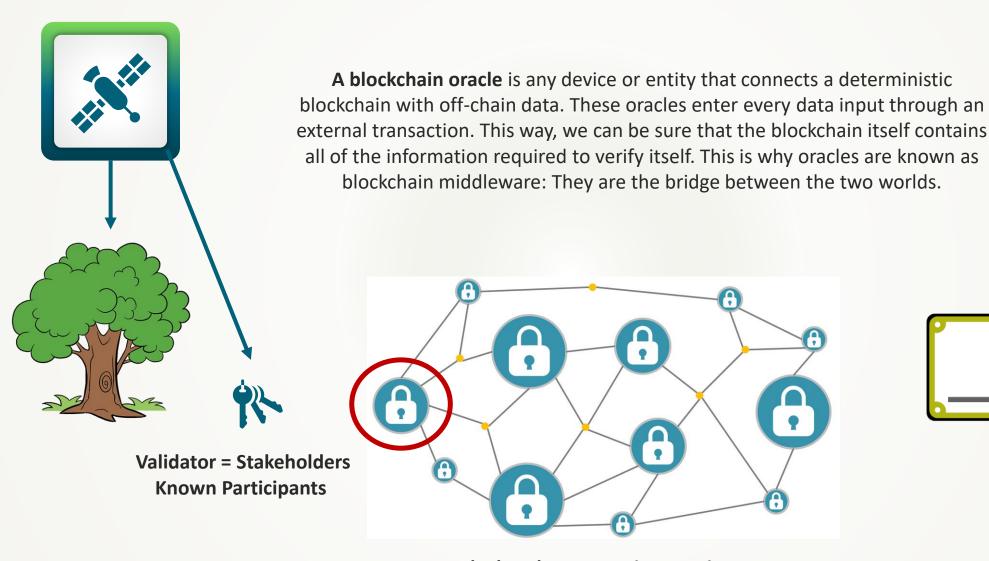
HOW TECHNOLOGY AND BLOCKCHAIN IS THE ENABLER OF VALUE **CREATION OF THE 3Ms PROCESS**



- Allow a Multi-stakeholder Approach Distributed Pool of Data and Knowledge.
- Bring Trust to investors Private/Public & Exante vs Ex-post.
- Temporal Traceability avoid double spending & claiming
- **Transparency** to measure and monitor the Value Chain of Impact: Co-benefits
- Governance Revenue Sharing and Resilience - Communities / Stakeholders.
- Scalability Multi-protocols: Spatial and Multi-Solutions.

FROM ADDITIONALITY....TO THE 3Ms PROCESS







consensus protocols that do not require a native cryptocurrency

FINANCING GAP... THE 3Ms PROCESS

AXESS
IMPACT
SUSTAINABLE
CAPITAL ALLOCATION

Private

Sector

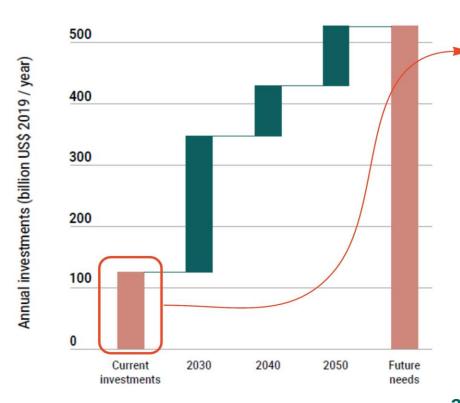
Public ODA

By 2050, total investment needs will amount to **USD 8.4 trillion** cumulatively. These estimates are based on an immediate action scenario, in which the global community is assumed to act now to halt climate change at 2 degrees

Definition: Nature-based Solutions (NbS) are defined as "Actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human wellbeing and biodiversity benefits"

Source: IUCN

Future investment needs charting an accelerating rate over time



Source: State of Finance for Nature - 2021 UNEP

In order to meet future climate, biodiversity and land degradation targets, public and private actors will need to scale up their annual investments

Private Capital

Public-sector financing accounts for 86 per cent of the approximately USD 133 billion invested annually in NbS

Domestic Government

Protection of biodiversity and landscape, \$53b

Agro, forestry & fishing, \$23b

Private Capital Private Capital Private Capital 18bn

Sustainable supply chains, \$7b

Water resources, conservation and land management, pollution control and other matural resources budget, \$17b

Pollution dard management, pollution control and other matural resources budget, \$17b

Environmental private Capital Private Capital 18bn

Sustainable supply chains, \$7b

Sustainable supply offsets, \$3b

Environmental policy and other, \$8b

Rection of biodiversity and landscape, \$53b

Public ODA \$2.4b

FINANCING GAP... THE 3Ms PROCESS



TIME HORIZON – PROJECT DEPENDENT

Ex-ante Investor

Landowner Property Rights Ex-post Emitter / Investors



Impact Investor
Asset Manager / Fondation



Dashboard



Investment Vehicle
Connected to the
Blockchain













PART I KEY TAKE-AWAYS



Climate Change and Biodiversity Loss are Wicked Problems need Collective Actions:

- Multi-Stakeholders
- Systems Thinking

Financing Gap & Trust:

- Private-Public Partnership structured and blended finance
- Dashboard: Ex-ante & Ex-post Investors to reduce the lag times and improve demand signals

Value Chain of Impact & Traceability at regular intervals:

- Co-benefits and high quality SDGs Certificates / Carbon Credits: "Core & Attributes"
- Revenue sharing: Communities Nature Stakeholders

Scalability:

- Multi-protocols
- Space & Time & Solutions

PART II IN PRACTICE: CARBON MARKET



"I don't think the industry has done enough to develop evidence to show that it works - [to] show the actual outcomes of this projects -, this is what is really impeding the growth of the CO2 market."

Source: Austin Whitman, CEO of Climate Neutral 09/2020

IMPACTS ASSESSMENT, TRANSPARENCY AND TRUST AS THE CHALLENGES FOR THE LACK OF GROWTH IN THE CARBON MARKET

Problem to Opportunity: Carbon Market



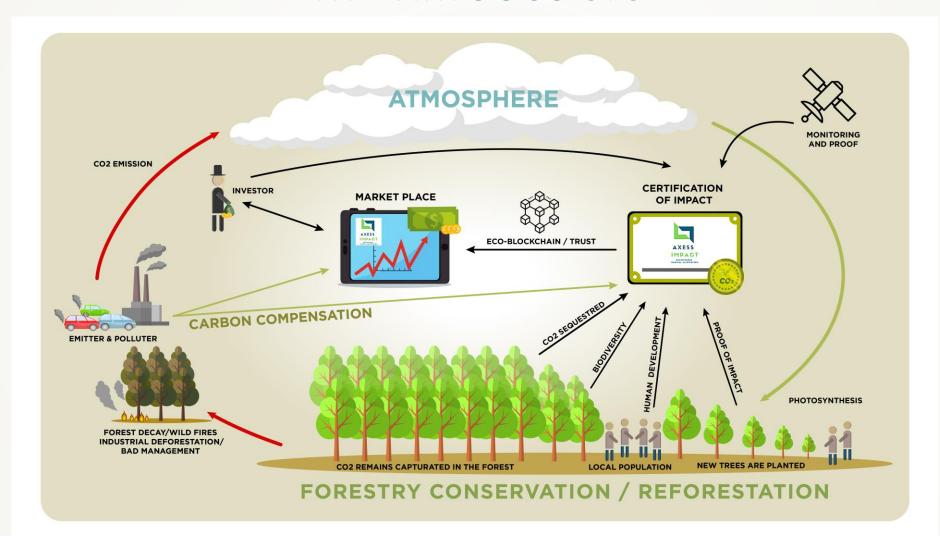


Solution



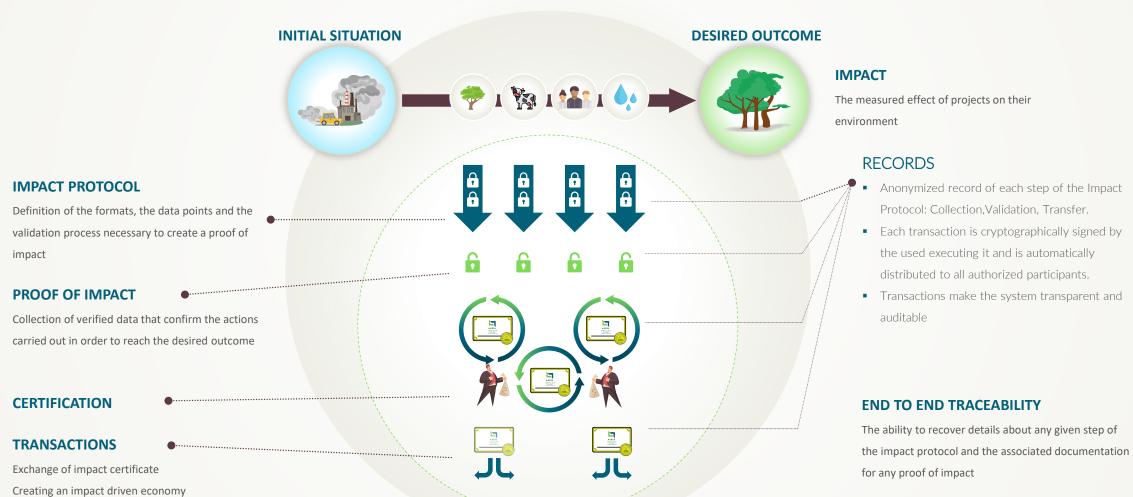
THE VIRTUOUS CYCLE





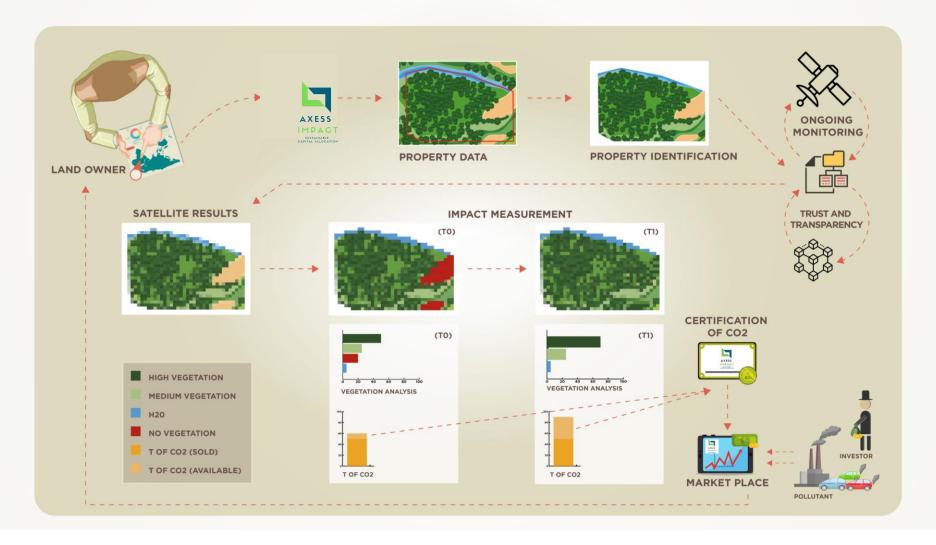
MEASURING





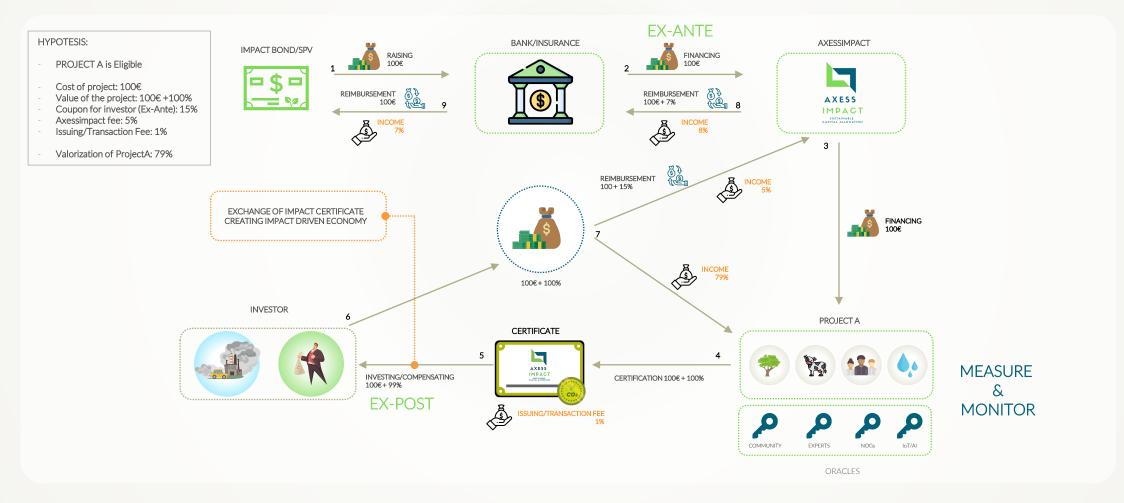
MONITORING





MONETIZING EX-ANTE + EX-POST





THANKS TO OUR UNIQUE TECHNOLOGY

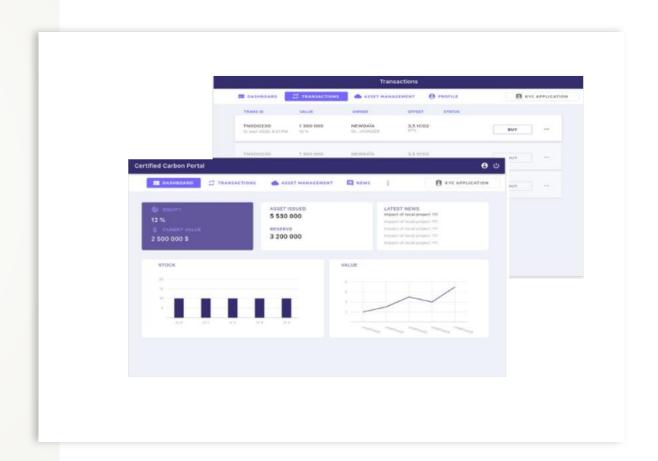


Stakeholder Management

- KYC: manage stakeholder identity and access
- Governanace: involve stakeholders in decision making
- Reporting: evolution of carbon credits owned by organization
- Actualization: satellite management system to evaluate asset value

Asset Management

- Protocols implementation and standard compliance
- VCS (verified carbon standard) registry integration
- Issuance/Project details
- Documents Management



THANKS TO OUR UNIQUE TECHNOLOGY

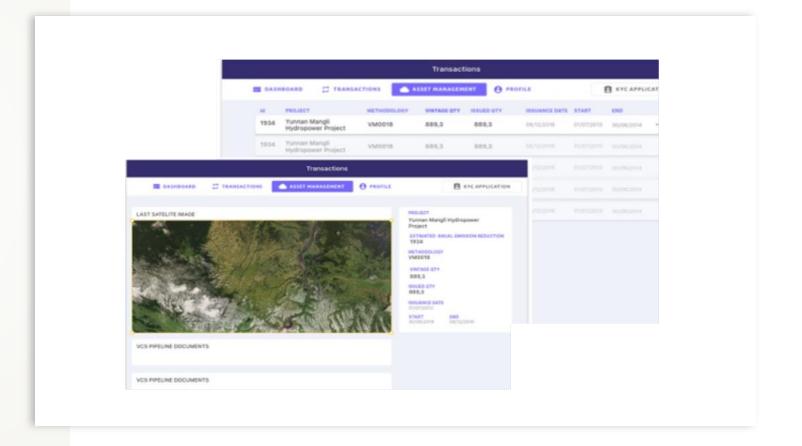


Scaling Initialisation

- Decentralisation
- Source mapping
- Data collection
- File verification network

Automating issuance

- Taskforce certification and tools
- Verification protocol
- Co-benefit valuation



IN PRACTICE: A NEW STANDARD





Satellite sensing & data modelling



Eco-blockchain, trust & full transparency



Bottom-up governance integration



Certification of CO2 & proofs of impacts



Monitoring and Visualisation



Market Place and Certificates securitization

WE BRING IMPACT FINANCE SOLUTIONS



- Transparency among stakeholders
- Digital asset creation and exchange based on real impact evidence
- Actualisation of the value according to ground state
- Trust and strong governance
- Real impact of human development
- Traceability for all transactions
- Proofs and measures of sustainability impact

