

IMPACT LEDGER

Impact Ledger

Harnessing DeFi principles and Web 3.0 technologies to democratize Climate Action and scale Carbon Finance



Web3 Carbon Portfolios



Cohesive Global Marketplace



Secure and Compliant



While carbon offsets represent indispensable tools in the global effort to mitigate climate change, their transformative potential has remained hampered by **long-standing issues**

Despite their potential, voluntary carbon offset programs face several obstacles in achieving widespread adoption



Complexity

The logistics of buying, verifying, and trading carbon credits can deter many



Accessibility

Opacity and costs have made carbon markets less accessible to individuals and SMEs



Fragmented Market

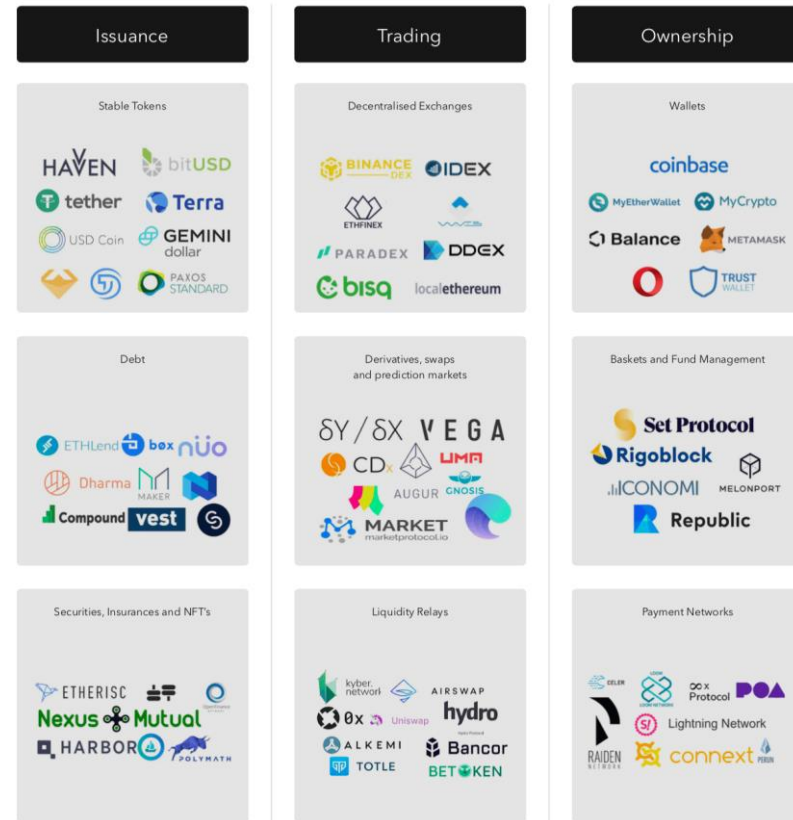
The offset market is fragmented, with various registries, standards, and trading platforms



Credibility Crisis

From double counting to greenwashing, efforts have been hampered by a host of controversies

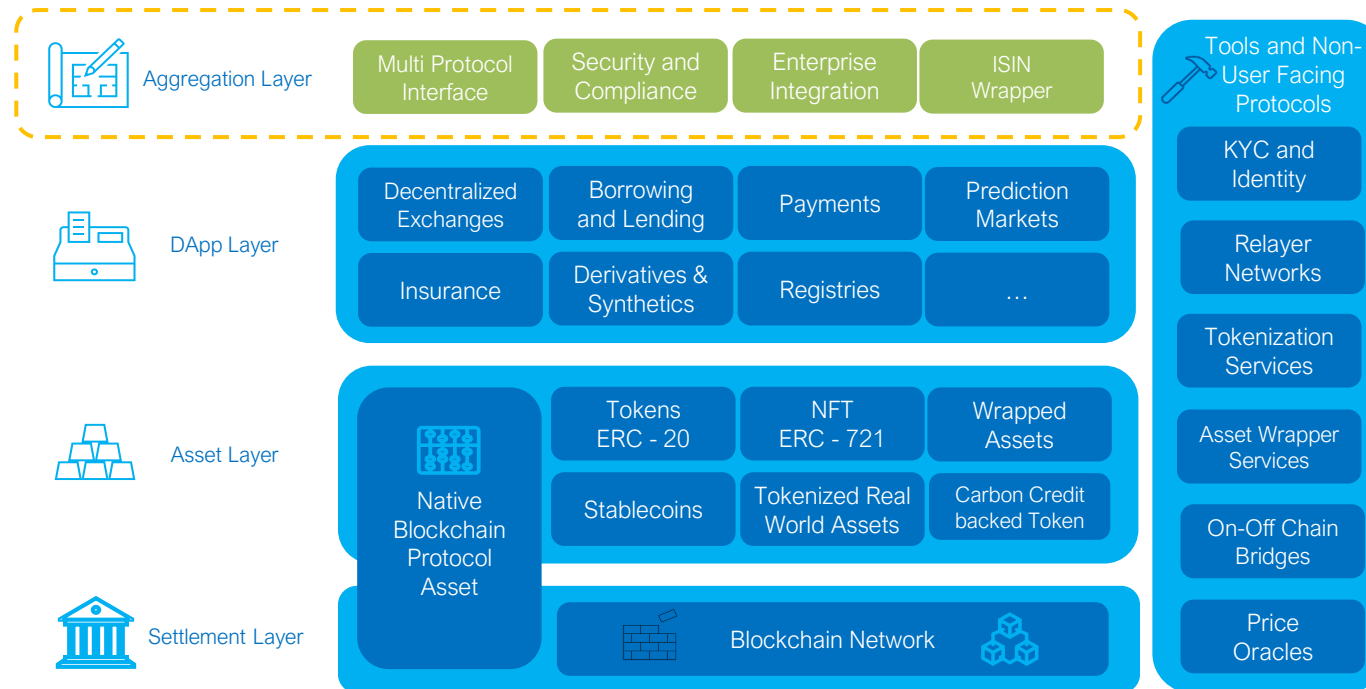
Meanwhile, **Web3** and **DeFi** are transforming financial services with new inclusive, user-focused, and community-driven business models that are well positioned for the Digital age



Stackable protocols powered by smart contracts on a Blockchain make it possible for buyers and sellers and lenders and borrowers to interact peer to peer; with software - rather than an intermediary company or institution - facilitating the transaction

The revolutionary tenets of blockchain technology, which form the foundation of DeFi and Web3, hold **the potential** to address numerous prevailing market challenges

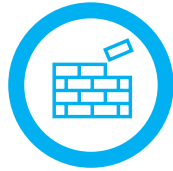
The Decentralized Finance Stack



Web3.0 technology, with its inherent global reach, can help facilitate universal access to carbon offset projects and credits; a crucial feature as addressing climate change demands collective action from a global audience

Impact Ledger blends the eco-centric realm of carbon offsetting with the avant-garde world of DeFi and Web3 to offer a cohesive platform for carbon finance

The platform fulfils three pivotal functions:



Credits Portfolios

Aggregation of tokenized carbon credits into thematic, interest-earning portfolios, represented as unique NFTs



Carbon Marketplace

To purchase and offset, trade, or channel investments into token-based thematic carbon credit portfolios

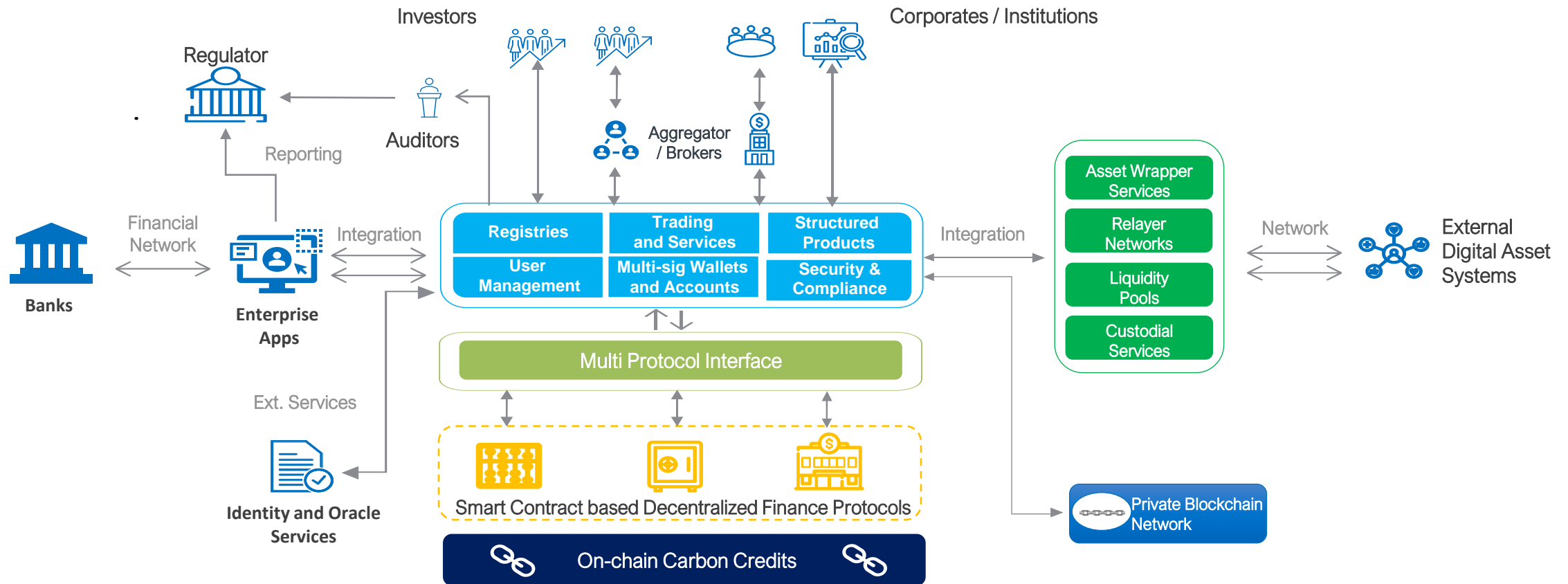


On-chain Register

An authoritative list of time-stamped and immutable records for transparency and accountability in reporting

Harnessing the transparency and decentralization intrinsic to Web3, Impact Ledger offers globally-accessible institutional-grade decentralized carbon markets infrastructure that is open and inclusive, along with a credible mechanism to monitor and authenticate offsets, ensuring transparency and accountability in reporting environmental impacts

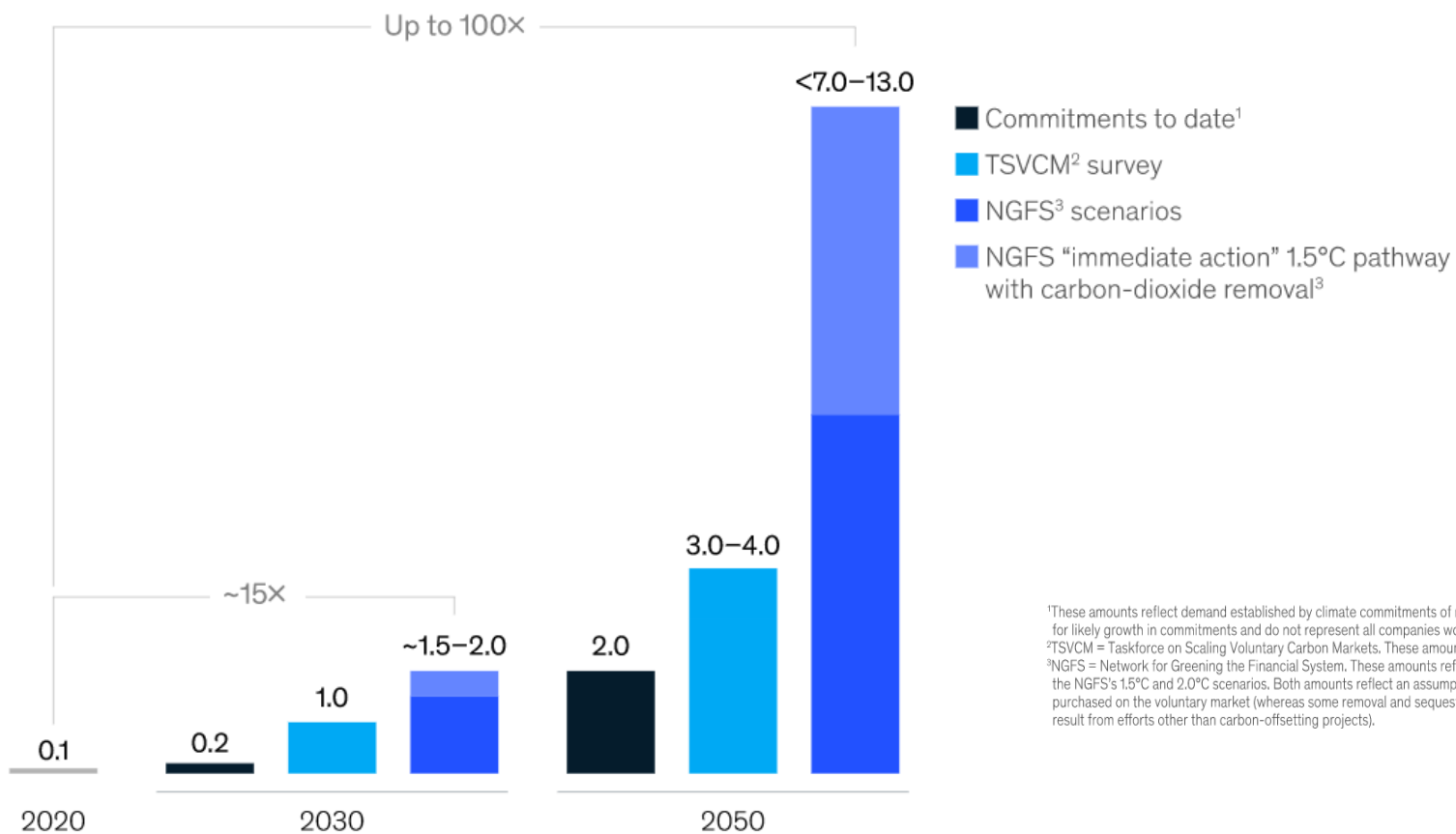
The platform is powered by open protocols and Blockchain-based settlement with liquid secondary markets enabled by protocol-incentivized yield farming



Leveraging zero trust security and incorporating vetted third-party AML services, Impact Ledger provides a secure and compliant avenue for institutions and individuals to participate in all-new decentralized carbon finance

The Opportunity: Experts estimate that annual global demand for carbon credits could reach up to 1.5 to 2.0 gigatons of carbon dioxide (GtCO₂) by 2030

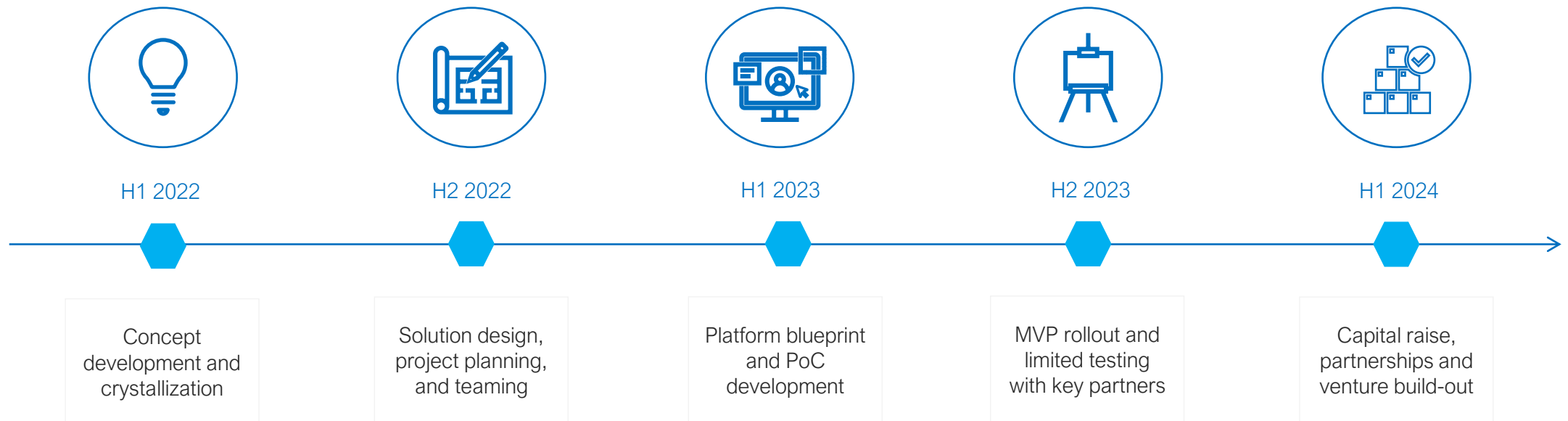
... and up to 7 to 13 GtCO₂ by 2050



Depending on different price scenarios and their underlying drivers, the market size in 2030 could be between \$5 billion and \$30 billion at the low end and more than \$50 billion at the high end

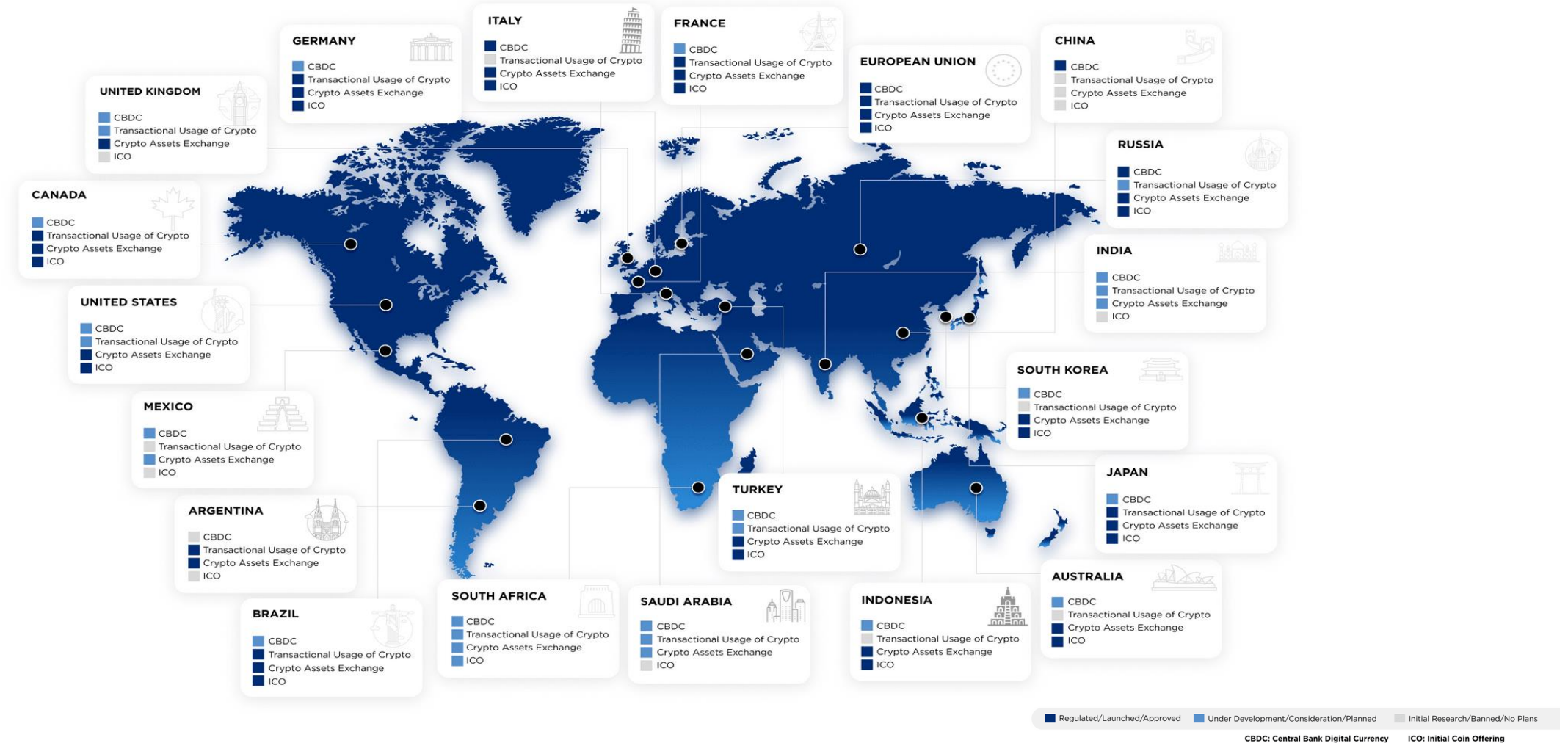
What started as a collaborative project with **Barclays RISE**, is now a venture with a mission to democratize participation in climate action and scale global carbon markets

The Impact Ledger Project Plan



We continue to onboard a 'decentralized' team of experts spanning carbon finance, Web 3.0 technologies, and security/compliance to power the venture

Our Goal is to partner with organizations in various progressive jurisdictions, structure native tokenized carbon portfolios, and empower markets to drive meaningful change



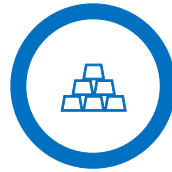
The climate emergency is real and Web3 can play a pivotal role in putting the power into the hands of many and amplifying our collective impact on addressing climate change

The Impact Ledger Advantage



**Bundling for
Simplicity & Return**

Bundling carbon credits into NFT-based interest-earning portfolios simplifies offsetting, while offering a one-stop solution to investors too



**Enhanced
Liquidity**

Harnessing tokenized carbon credits and incorporating them into yield-generating NFTs solves a major pain point, on a global level



**Trust and
Verification**

Blockchain's inherent transparency is a game-changer for carbon offset verification with each NFT containing immutable data



**Reduced Admin
and Overheads**

Smart contracts on a Blockchain automate many of the processes; simplifying participation, reducing costs and lowering barriers to entry

Utilizing modern Decentralized Finance (DeFi) principles and Web3.0 technologies, Impact Ledger creates a decentralized, global, and trustworthy ecosystem that can magnify the power of individual and collective efforts to combat one of the biggest issues facing humanity

Join us as we harness modern approaches, forge strategic alliances, and accelerate efforts towards addressing the most existential threat of our time

Drop us a line or reach us via any of the channels below:

Get in touch



www.impactledger.com



info@blockchainworx.com



+65 96536243



[@blockchainworx](https://twitter.com/blockchainworx)