



The role of **Green FinTech** for
furthering Sustainable Investments

Katherine Foster

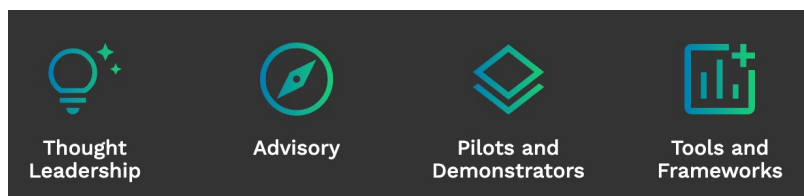
7th Inclusive & Sustainable Finance
Research Conference
2022 11 22

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About Green Digital Finance Alliance



A Swiss based not-for-profit
We convene a global network of experts and partners to co develop and implement



Launched by United Nations Environment Program (UNEP)
and Ant Group at the World Economic Forum in 2017

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About Green Digital Finance Alliance



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Thought
Leadership



Advisory



Pilots and
Demonstrators



Tools and
Frameworks

Launched by United Nations Environment Program (UNEP)
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About Green Digital Finance Alliance



Catalyst of next-generation green digital finance





We convene a
global network
of experts and
partners

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Green Fintech: Three Waves



-  Digitizing existing financial product and services
 -  Leveraging data to innovative new types of financial products
 -  Fintech solutions designed to better align the financial system with green objectives
- ...leveraging data and digital capabilities to innovate new types of financial products more aligned with sustainability

The Green Fintech Classification ...

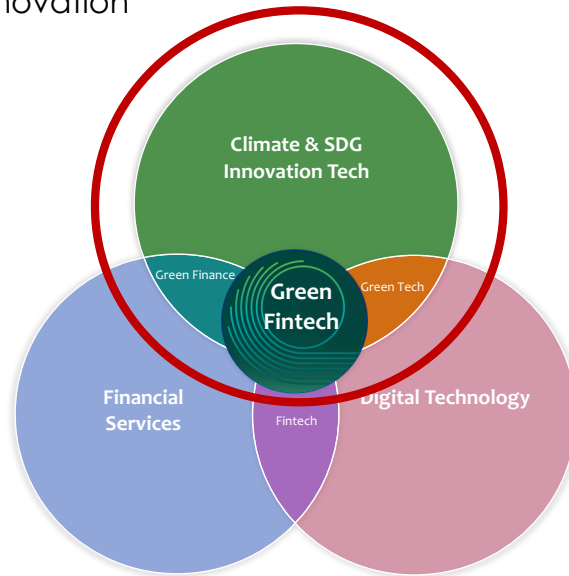
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Green Fintech Classification & The Third Wave



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Climate & SDG Innovation



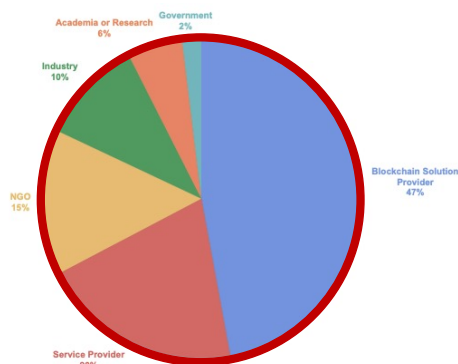
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Digital Innovation for Climate & SDGs Landscape

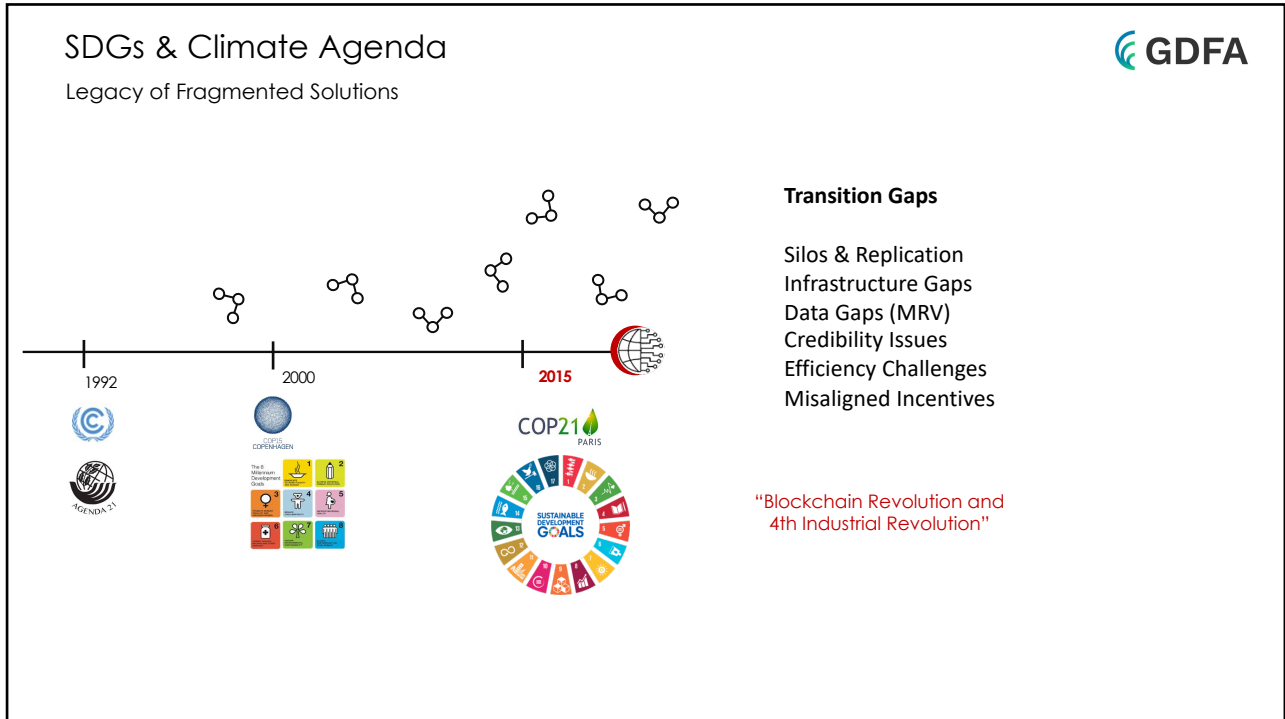


The Climate Chain Coalition Stocktake

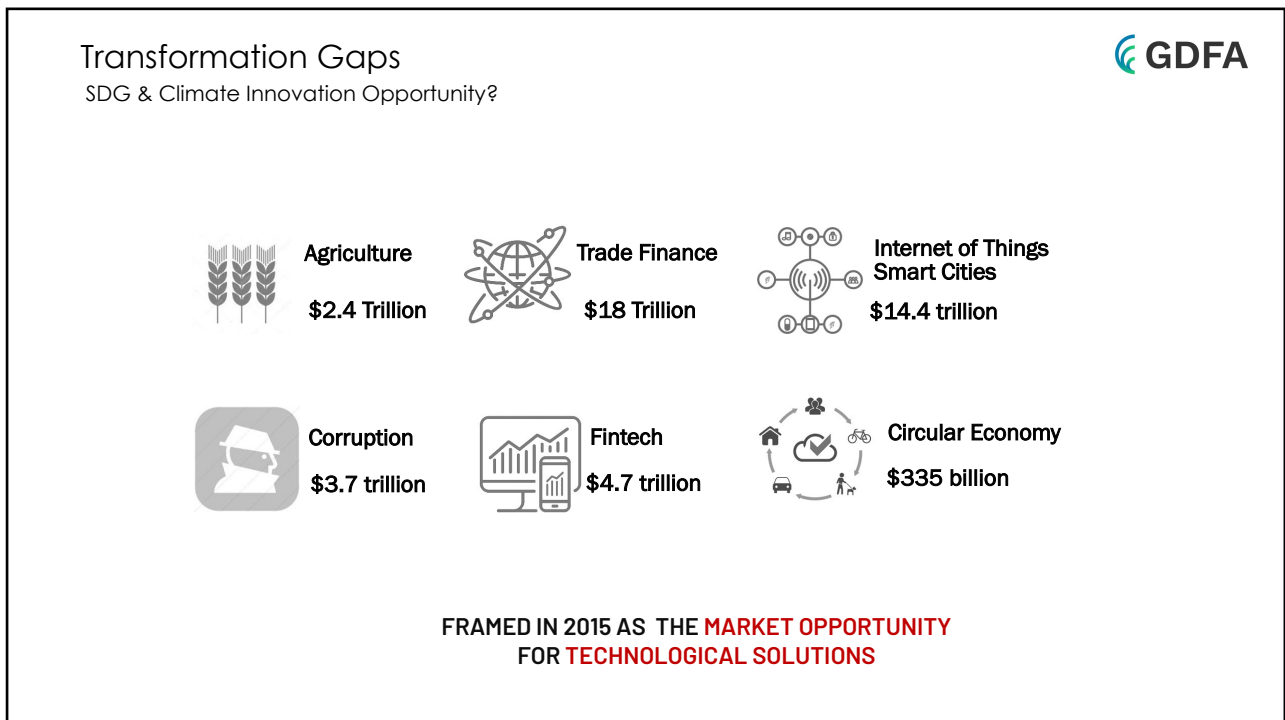
- Types of applications (finance, MRV, mitigation, adaptation, registries...)
- Priority Issues and Sectors (energy, waste, agriculture, natural ecosystems, infrastructure...)
- Priority Stakeholders and Users (government, industry, supply chains, urban, rural...)
- Priority Market Geographies (Europe, North America, Asia, Africa, Latin America, Oceania)



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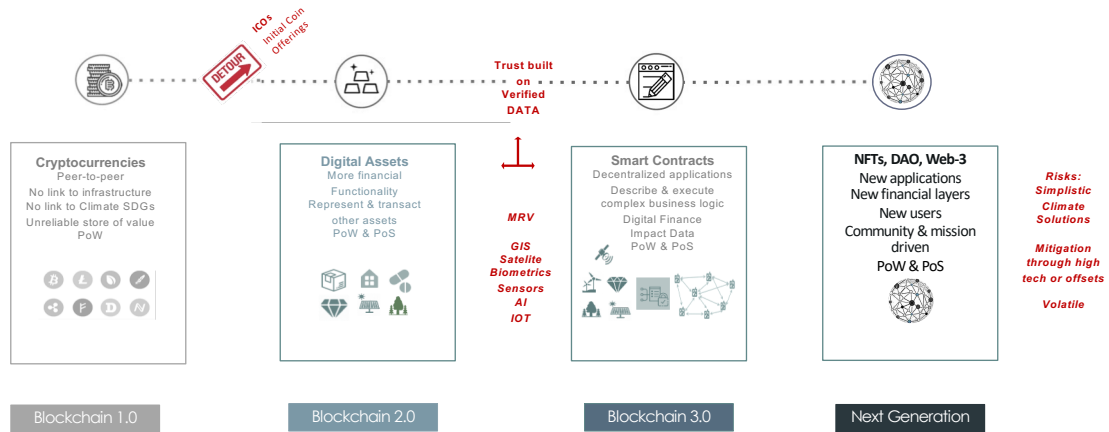


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Blockchain and Emerging Technologies: Evolution for Climate and SDGs



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Evolution of Use Cases



The Early Years 2015 - 2016



*Everledger
Diamond
Provenance*



*Provenance
Tuna
Tracker*



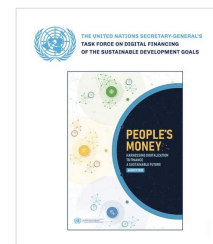
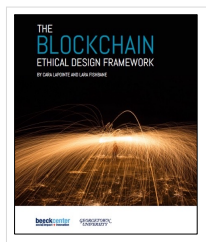
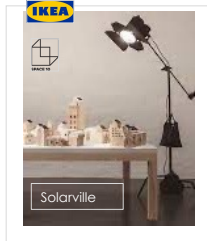
*United Nations
World Food
Program*

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Evolution of Use Cases

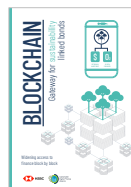


2017-2021

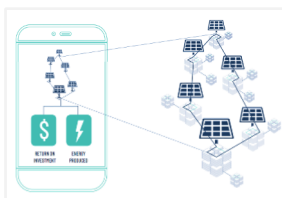


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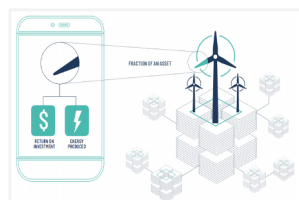
Evolution of Use Cases



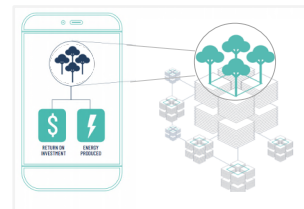
1. Aggregation of smaller assets into a portfolio for larger issuances



2. Eventual fractionalization of a large asset to individual investors



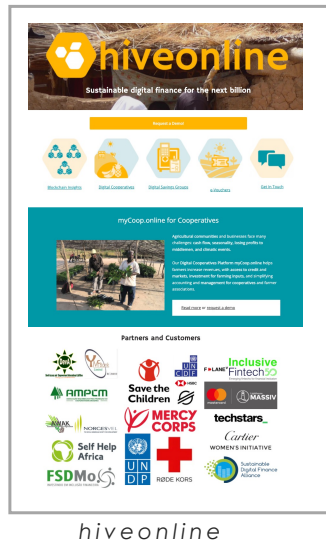
3. Eventual capacity for direct individual investment into SME or community projects



Modified from source: <https://greendigitalfinancealliance.org/wp-content/uploads/2019/12/blockchain-gateway-for-sustainability.pdf>

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Use Cases – Integrated Solutions



hiveonline



Evercity



Blockchain Triangle

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Evolution of Use Cases



End-To-End Initiatives and Solutions
For Banks, Funds, Corporations and SMEs



1. PORTFOLIO MANAGEMENT

- EU Taxonomy screening
- sustainable finance framework creation
- global standards integrated



2. DIGITAL ASSET ISSUANCE

- sustainability-linked and green bonds
- carbon credits



3. MONITORING & REPORTING

- physical impact data collection
- SDG risk assessment
- automated reporting

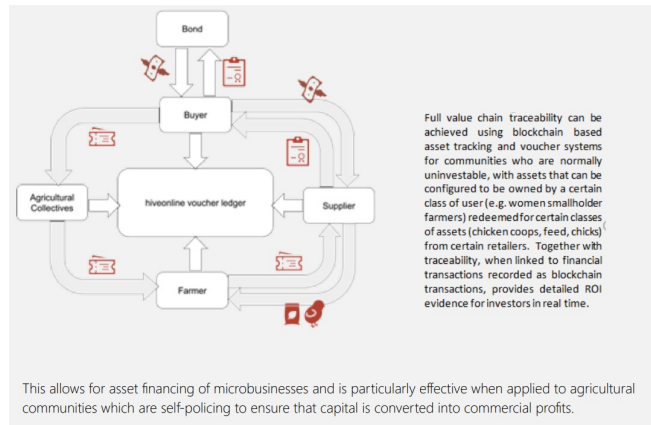
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BIS Project Genesis

Section 6 : Climate Action, Accounting and Yields Target Greater Impact



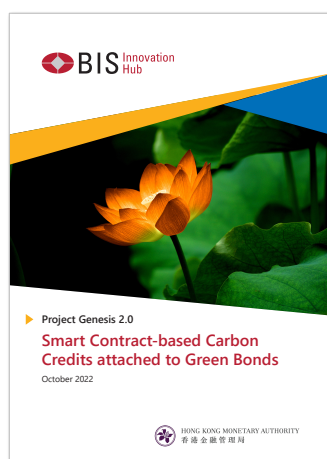
Community Fintech Instrument



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BIS Project Genesis

Climate Markets meets Green Bond Market



Addresses greenwashing and additionality of the green bond market

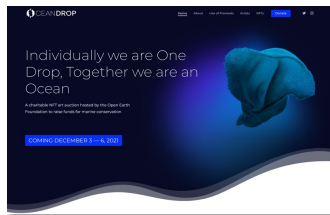
A new green bond structure appended with mitigation outcome interests (MOIs - future contracts with a commitment to deliver, at maturity, verified carbon credits compliant with the Paris Agreement)

Allows real-time transparency on the environmental impact of the use of proceeds

avoid greenwashing, and enable a scalable and efficient market

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NFTs – Non Fungible Tokens for Impact



#CarbonDrop #OceanDrop



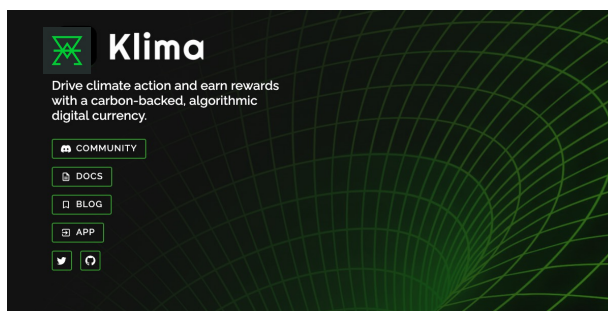
#DigitalArt4Climate



#ProjectArk #Nature Collectables

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DAOs



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