

What is ReFi?



What is ReFi?

ReFi is an abbreviation of Regenerative Finance. It is:

the **idea** *that there could be alternative financial systems that regenerate their environment, instead of degenerating it and*

the **movement** *developing and applying **Web3** concepts and technologies to **regenerative practices** that have a positive impact in its environment*



What is Web3?

Web3 is the movement developing decentralized technology and protocols, including **blockchain**, **smart contracts**, **DeFi** and **DAOs**, with a core set of values:

- **Transparency:** Financial activity is publicly recorded in a tamper-proof database. Each participant can verify that the activity of others meets mutually-agreed rules.
- **Decentralization:** There is no single company or individual actor who can unilaterally set rules or define how users should behave without their consent.
- **User-control:** Each participant can access their data and assets independent of anyone else.
- **Censorship-resistance:** At the base level, no one can dictate what content is acceptable and what content isn't, because there are no central parties controlling access.
- **Openness & interoperability:** Web3 embraces the open-source ethos, allowing for the transparent sharing of code, protocols, and standards. It fosters collaborative innovation and interoperability, enabling anyone to contribute and build on top of or with existing systems without needing anyone else's approval.



What is Web3?

Web3 is the movement developing decentralized technology and protocols, including:

- **Blockchain:** a tamper-proof open database that records a set of transactions in an open and verifiable way, enabling trust and immutability through distributed consensus.
- **Smart contracts:** Self-executing agreements powered by blockchain, ensuring automated and secure transactions without intermediaries.
- **DeFi:** open automated financial applications programmed on smart contracts and deployed on the blockchain. Allows for financial operations - such as lending, borrowing, trading, and many others, - to be executed autonomously eliminating the need for centralized bodies or intermediaries.
- **DAOs:** Decentralized Autonomous Organizations are entities governed by code and operated by their community members, leveraging blockchain and smart contracts to enable transparent and democratic decision-making, reimagining organizational structures and fostering collective ownership and governance.



What is Web3?

Web3 tools empower **coordination**, **autonomous organization**, and **voluntary participation**.



What is Regeneration?



CONVENTIONAL SYSTEM	REGENERATIVE SYSTEM
Value is used to extract more value	A portion of the value flows back to communities & planet
Exponential growth	Healthy growth & sustainable maturation
Systems serve capital	Systems serve people & the planet
Growth at the expense of planet & community	Growth promotes the health of planet & community
The more active the system, the more resources are being consumed	The more active the system, the more regeneration happens
Economic and financial health is separated from other indicators of prosperity	Economic and financial health are inseparable from human, societal, and environmental health



What is the challenge? 🐉

The world is facing multiple crisis, be it climate change, social inequality, conflicts,

It can be said that we're in the **meta-crisis**, *"... the multiple overlapping and interconnected global crises that our nascent planetary culture faces"[1], "but [that] is not reducible to any [single] one of them."[2]*

Traditional organizations such as governments and corporations haven't proven to be up to the challenge of coordinating effectively to address these crisis.

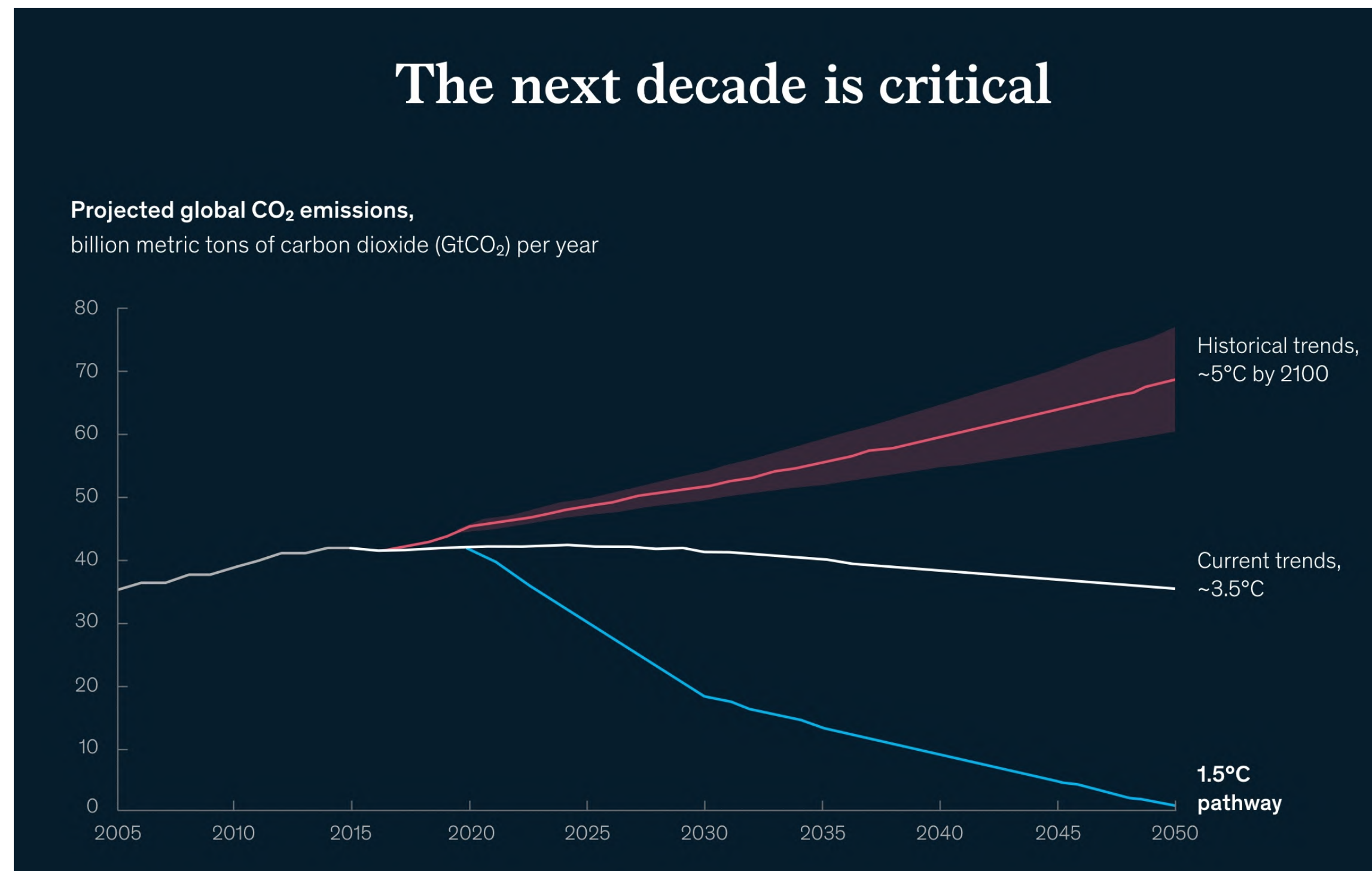


What is the challenge? 🐉

The world is not on track to meet its international climate targets, more than seven years since participants in the Paris Agreement pledged to keep global warming well below 2 degrees Celsius and under 1.5 C if at all possible. Both targets are swiftly approaching, and humanity could blow past the 1.5 C threshold within a decade or so.



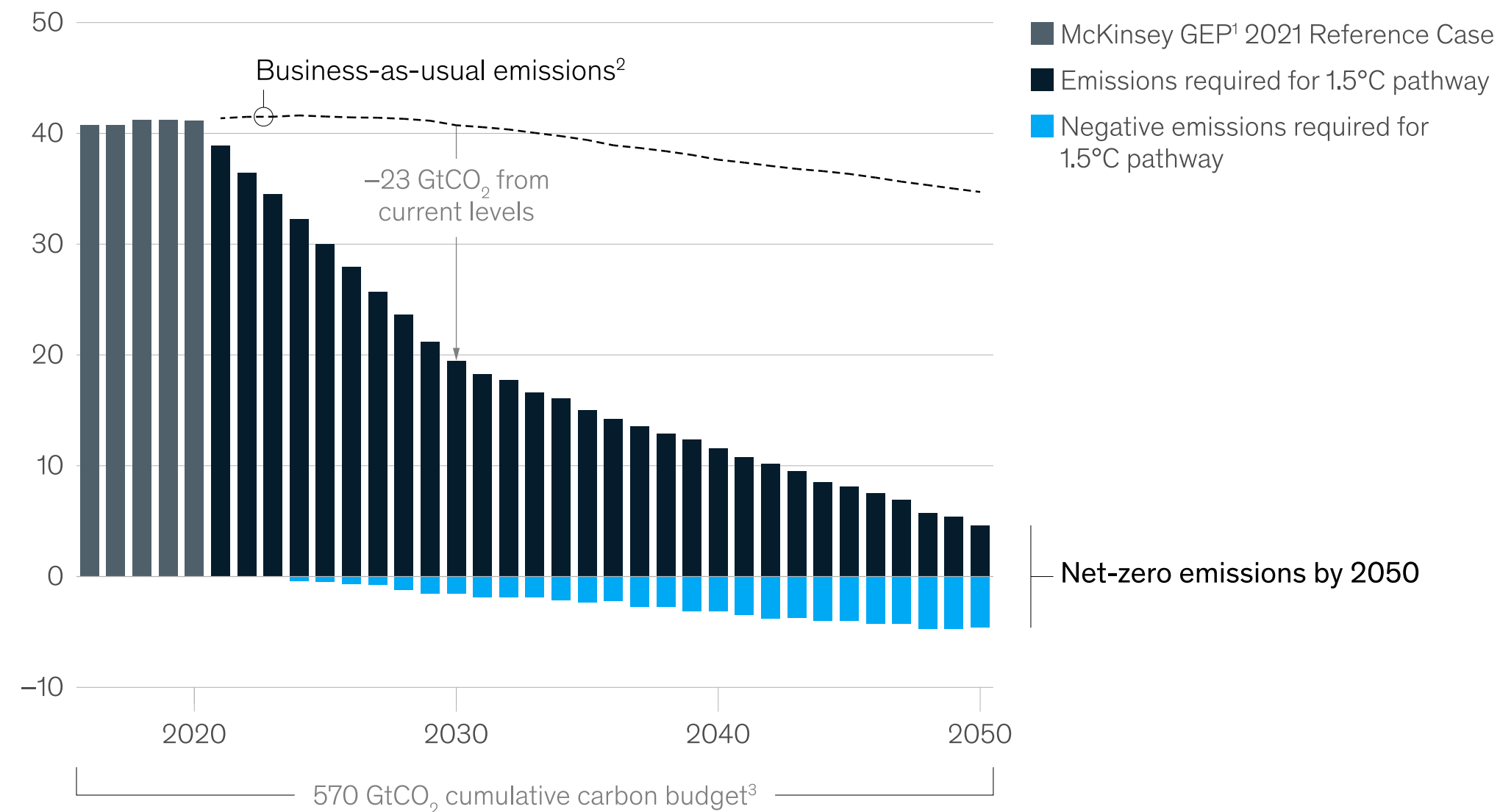
What is the challenge? 🐉



What is the challenge? 🐉

Reaching the 1.5-degree warming target could require a large quantity of negative emissions, including some generated using carbon credits.

Global carbon-dioxide emissions, gigatons (GtCO₂) per year



What is the challenge? 🐉

The age of extinction Carbon offsetting

🕒 This article is more than 3 months old

Revealed: more than 90% of rainforest carbon offsets by biggest certifier are worthless, analysis shows

Investigation into Verra carbon standard finds most are 'phantom credits' and may worsen global heating

- **'Nowhere else to go': Alto Mayo, Peru, at centre of conservation row**
- **Greenwashing or a net zero necessity? Scientists on carbon offsetting**
- **Carbon offsets flawed but we are in a climate emergency**

The age of extinction is supported by

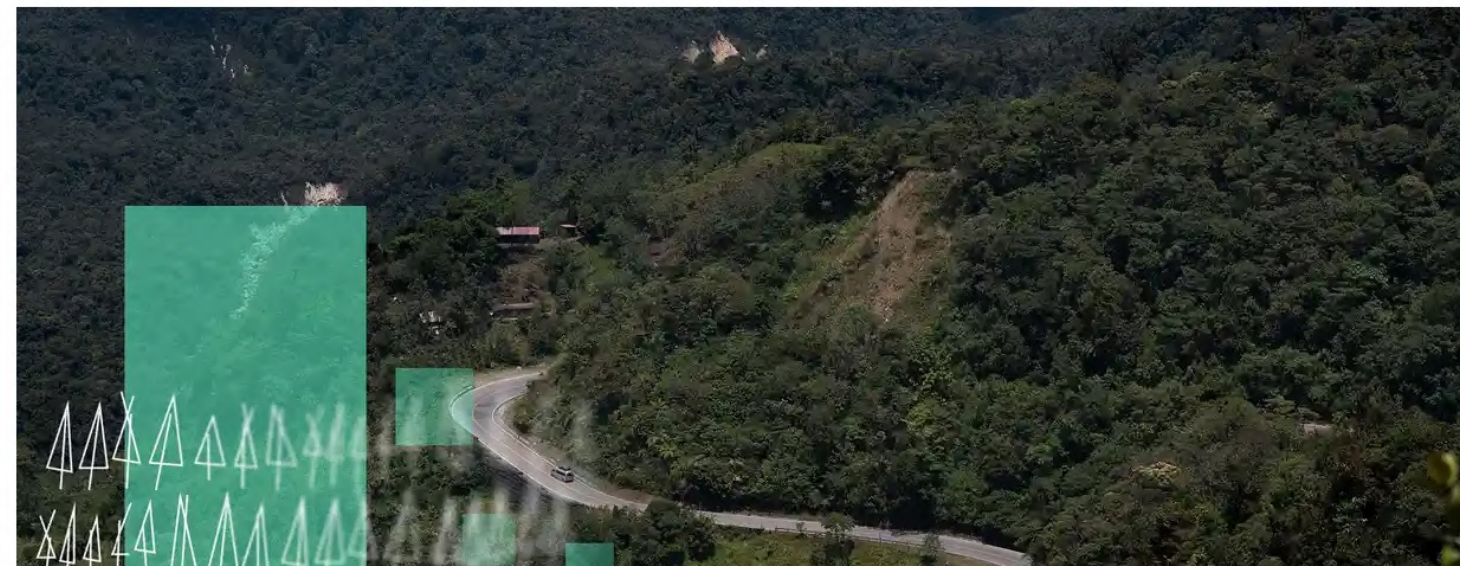
the
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About this content

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What is the opportunity for ReFi? 🌹

People are increasingly interested in minimizing their negative externalities and adopting positive practices.

However, the multiple crises the world is facing, the meta-crisis, cannot be solved by individual action alone. It requires collective organization, coordination and action.

The **opportunity** is to *experiment with and create alternative financial and social systems that can systematically incentivize positive actions.*



Quiz time!



How does ReFi work in practice? 🌍

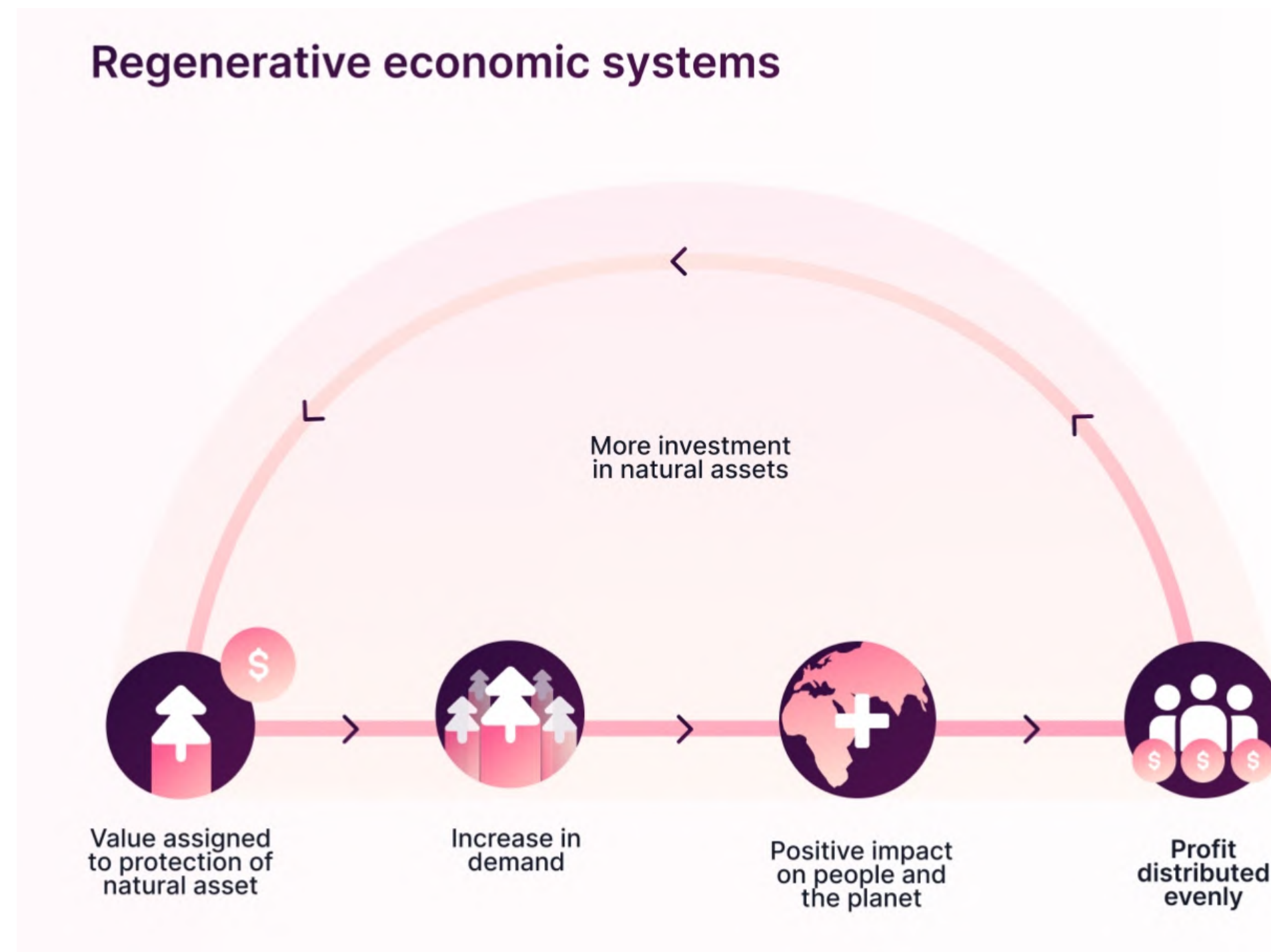


How does ReFi work in practice?

With feedback loops of positive action that generate value to its environment, instead of extracting from it.

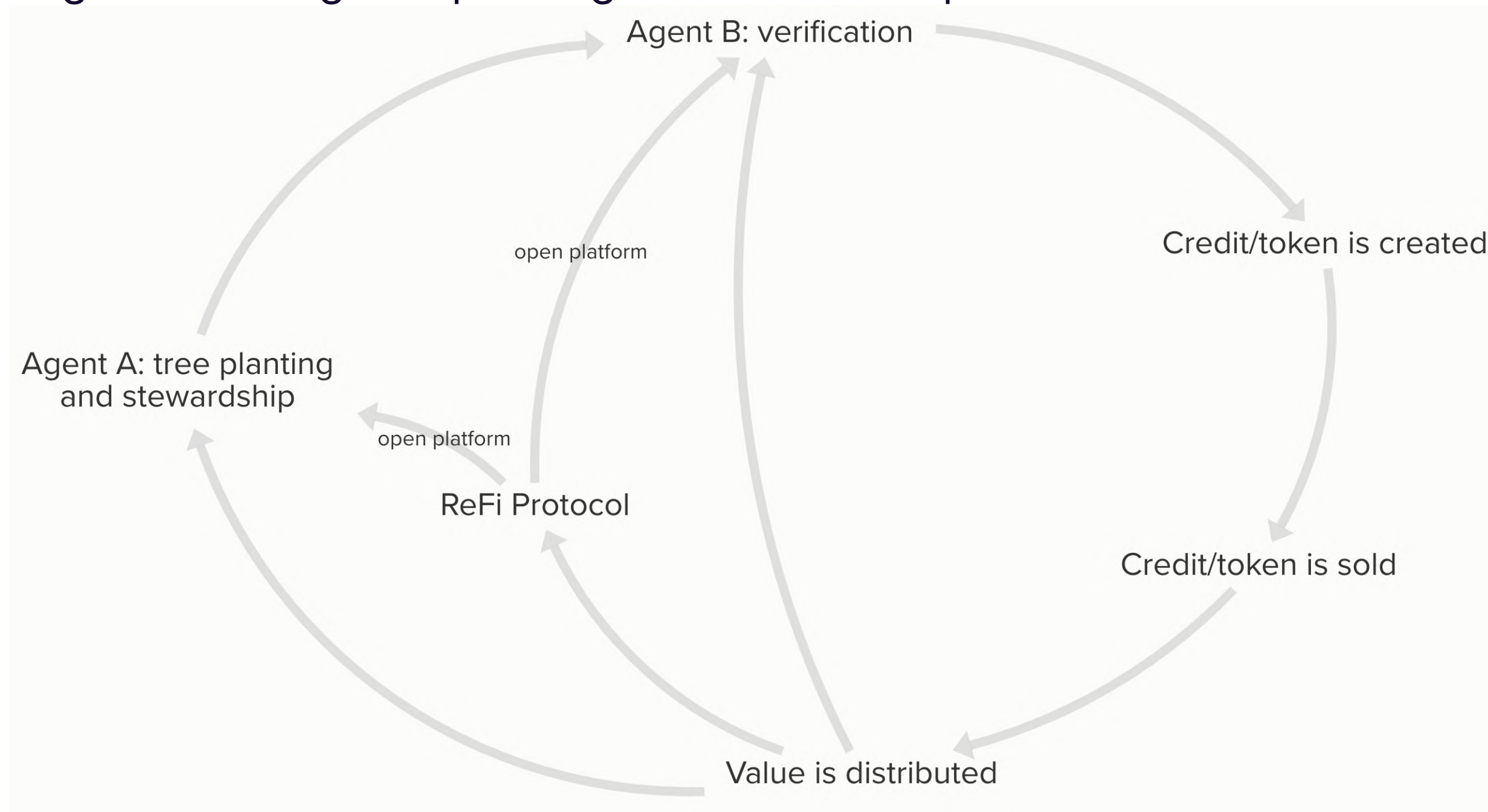


How does ReFi work in practice? 🌍



What are some practical applications of ReFi?

Example: tokenizing and funding tree planting and stewardship



What are some practical applications of ReFi?

The ReFi ecosystem encompasses a wide range of projects, including:

- **Tokenizing carbon credits and other environmental assets** on-chain to create transparent, tradable and liquid assets that incentivize sustainable practices.
- **Leveraging tokenization to fund positive initiatives**, such as tree planting, waste collection and ecosystem restoration.
- Establishing **funding mechanisms** that support ReFi projects, initiatives, and practitioners, driving financial resources towards regenerative practices.
- Implementing decentralized technology for **Measuring, Reporting, and Verifying (dMRV)** various aspects, ensuring transparency and accountability in environmental and social impact measurements.
- Advancing the development of **social finance applications**, such as inclusive loans and Universal Basic Income (UBI) models, to address social inequality and promote economic empowerment.
- Nurturing **community economies** by fostering local initiatives, cooperative enterprises, and collaborative economic systems that prioritize community well-being and resilience.



Group activity time!

Can you think of any positive action that can be incentivized through ReFi concepts and mechanisms?

Discuss your ideas in groups and:

1. Name the positive action that should be systematically incentivized
2. List who would be the necessary stakeholders and agents for it
3. Draw a model of how agents and events relate to each other, similar to the previous example
4. Identify what could be some integrations that could use and drive the regenerative system forward - ie. having tokenized carbon credits to offset a flight ticket.



How to get involved with ReFi? 🧑🌾

- Join the *ReFi Barcelona Telegram group*;
- Check out *ReFi DAO* and its resources and activities and join the *main Telegram Group*.

ReFi reading list 📚

- "*What is Regenerative Finance (ReFi)?*" by Ela Khodai, from Toucan Protocol;
- "*What is ReFi? Part I*" by John Elisson, from ReFi DAO;
- "*Regeneration*" by Kernel.



Thank you! 🙏

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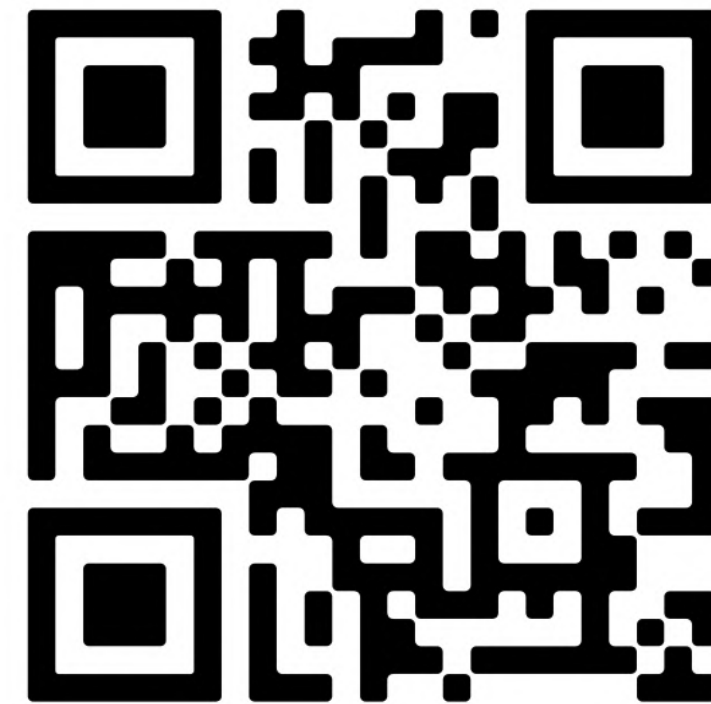
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*Check out the
presentation*

