

THE CLIMATE ECOSYSTEM Whitepaper

Creating value for your donation through our DeFi platform



White Paper

Ver. 1.0 / THE CLIMATE ECOSYSTEM

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Summary

THE CLIMATE ECOSYSTEM CORP. is a company established in Panama by all legal entities and for all purposes.

THE CLIMATE ECOSYSTEM is a global team of like-minded people from the UK, EU, Brazil, Russia and Panama. We are united by one big concern: climate change. Our goal is to address this challenge as efficiently - and quickly - as possible.

This is why we created this project: to help organizations from all over the world in their fight against our mutual problem.

THE CLIMATE ECOSYSTEM will facilitate donations and their distribution to organizations fighting consequences of climate change or working to prevent damaging effects of it in the future.

The core part of our work is to perform a thorough research and find companies eligible for donations. We already have several partners on board and we will add more organizations to the pool.

Therefore, our main goal is to build the bridge between investors/donors and companies, creating a smooth and transparent way to fund and to receive financial support.

Main Definitions

Climate Change

Climate change refers to long-term shifts in temperatures and weather patterns. These shifts may be natural, but since the 1800s, human activities have been the main drive of climate change, primarily due to the burning of fossil fuels (coal, oil, gas). This burning generates greenhouse gas emissions that are like a blanket wrapped around the Earth, trapping the sun's heat and raising temperatures.

(Source: the United Nations)

DeFi

Decentralized Finance (DeFi) is an emerging financial technology based on secure distributed ledgers similar to those used by cryptocurrencies. The system removes the central banks and institutions have on money, financial products and services.

(Source: Investopedia)

NFT

Non-Fungible Tokens (NFTs) are cryptographic assets on blockchain with unique identification codes and metadata that distinguish them from each other. Unlike cryptocurrencies, they can not be traded or exchanged at equivalency.

(Source: Investopedia)

PancakeSwap


PancakeSwap is a decentralized exchange (DEX), which operates on Binance Smart Chain (BSC). PancakeSwap offers faster and cheaper trading, where no centralized authority is involved. It uses liquidity pools to reward liquidity providers for

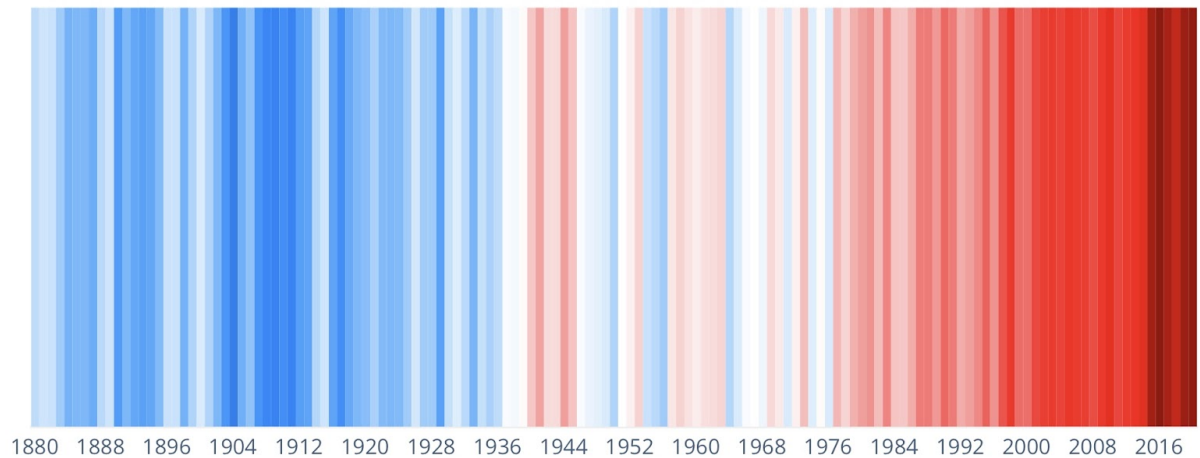
contributing assets. The exchange also has a bridge that allows users to bring non-native assets (non BEP-20 tokens).

Climate Change: Overview

According to the latest data from the United Nations, the Earth is about 1.1C warmer than it was in the late 1800s.

Global annual land and ocean surface temperature anomalies from 1880 to 2020

Temperature anomaly -0.6°C  1°C



Source: [NOAA](#), [Statista](#) • values are based on temperature difference from the 20th century average.

This difference may seem insignificant, but here are another facts:

- 2011-2020 was the warmest decade on the record,
- greenhouse gas concentration is at its highest level in 2 million years.

Carbon dioxide and methane are greenhouse gas emissions that are causing climate change, which results in aforementioned numbers. And these emissions continue to rise in volume.

The biggest misconception about consequences of climate change is that it mainly leads to warmer temperatures. But this is just a part of the problem. Our planet is

a complex system, where every element and event - however small - are connected. Meaning: changes in one can cause or influence changes in others. Therefore, climate change, while indeed causing warmer temperatures, is also responsible for such disasters as biodiversity crisis, melting polar ice, intense floodings in one area and devastating droughts in the other, severe fires, water scarcity, etc.

For example, the drought which happened in the US in 2012 caused the economic loss of approximately \$20B - the country's most costly drought in history.

All these happenings cause further consequences and affect the system of our planet on the whole. One of those "sub-effects" are "climate refugees," communities of people and animals which have to relocate since their environments became unlivable. Sea-level rise, saltwater intrusion or intense droughts and deforestation are among main causes of this happening. The number of "climate refugees" is expected to significantly rise in the near future.

There are certain metrics and indicators showing that the world has to act quickly. Since the purpose of this White Paper is not an extensive coverage of climate change and its consequences, we provide a link to the resource with a detailed overview of the problem:

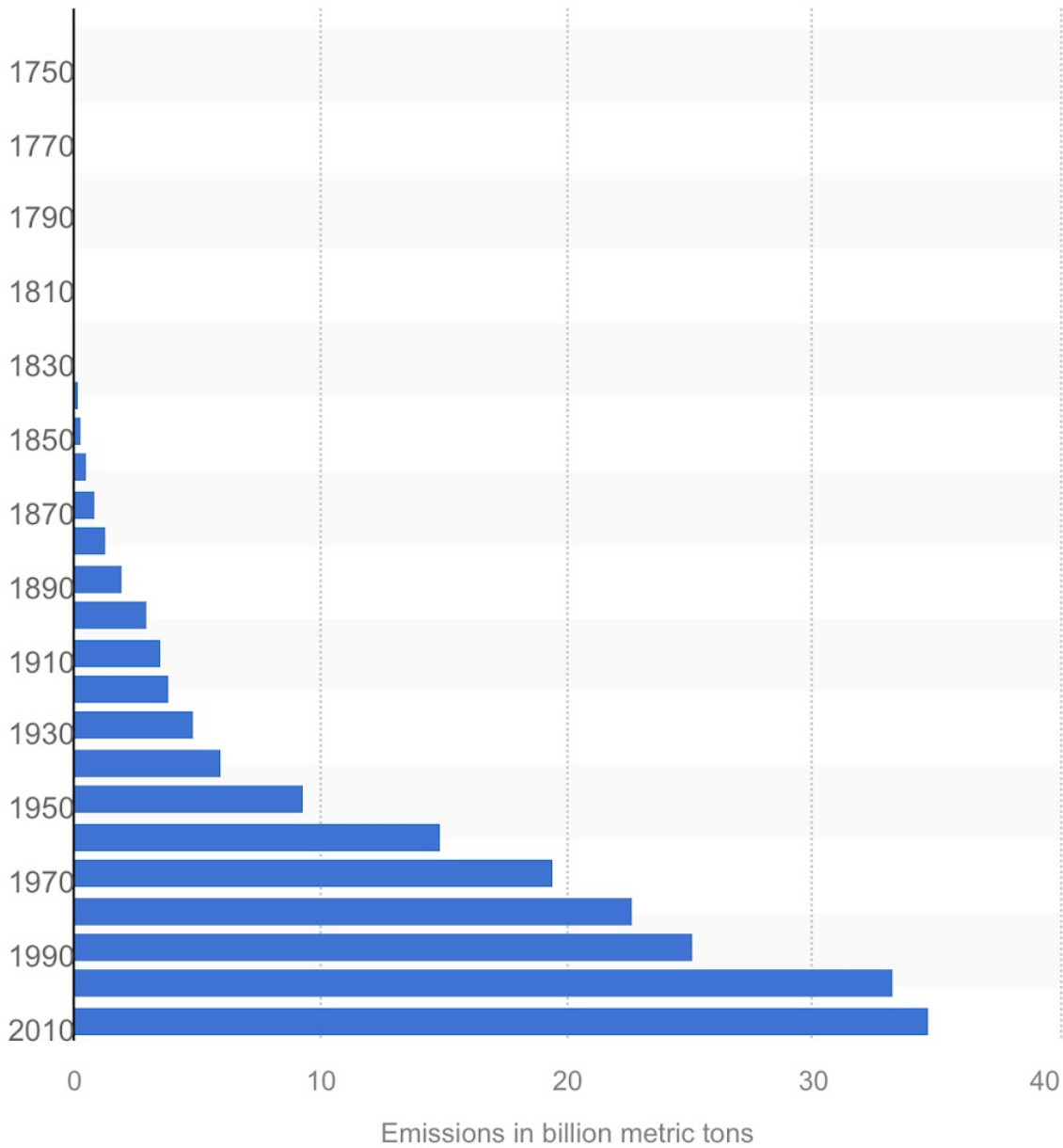
https://www.joboneforhumanity.org/today_s_five_most_important_facts_about_global_warming

The year 2050 is identified globally as a net zero emissions "deadline." But according to scientists, about half of emission cuts must happen by 2030 to keep warming below critical 1.5C. We're already in 2022.

Below are graphs representing the environmental changes the world is going through:

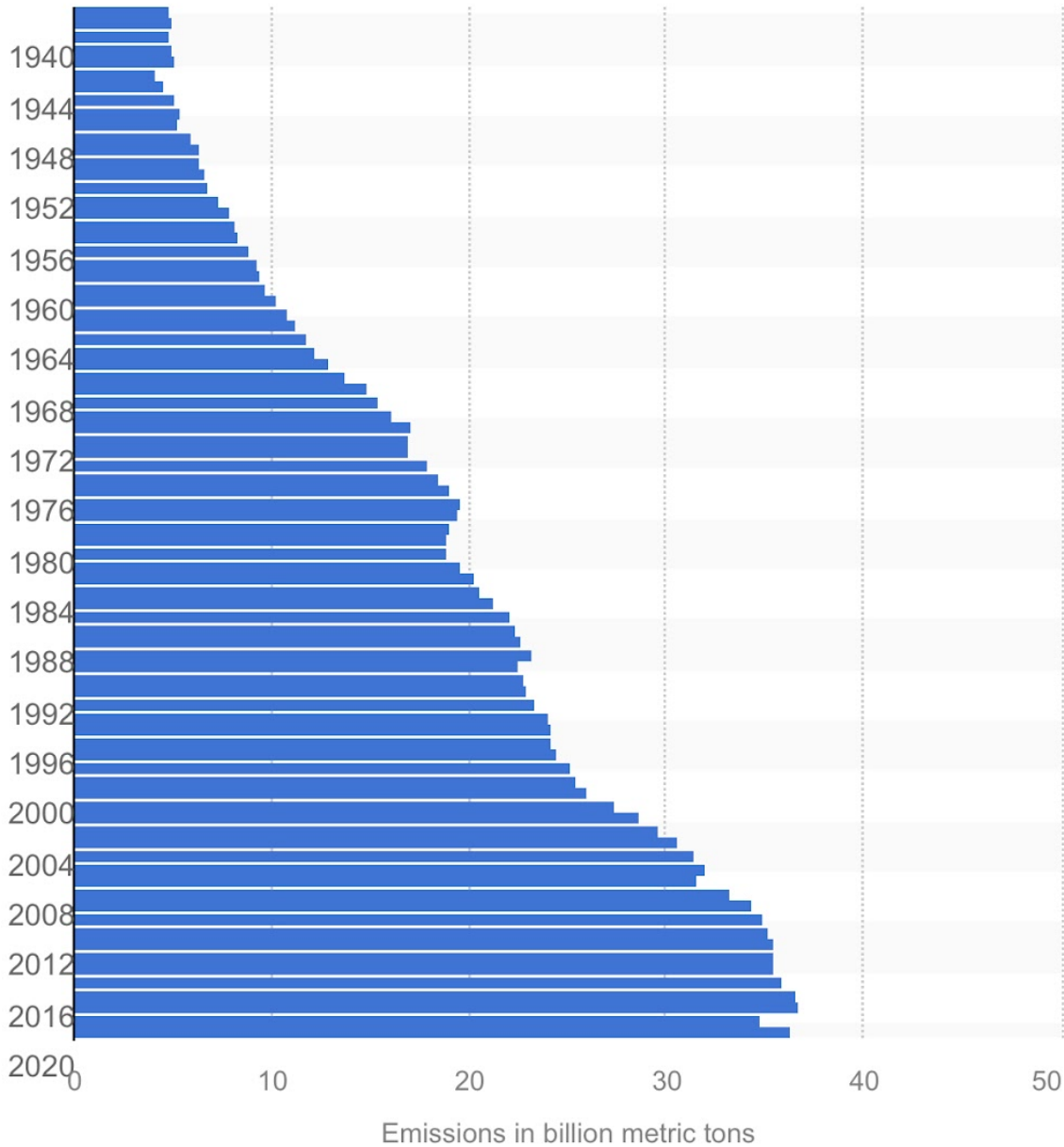
Historical carbon dioxide emissions from global fossil fuel combustion and industrial processes from 1750 to 2020

(in billion metric tons)

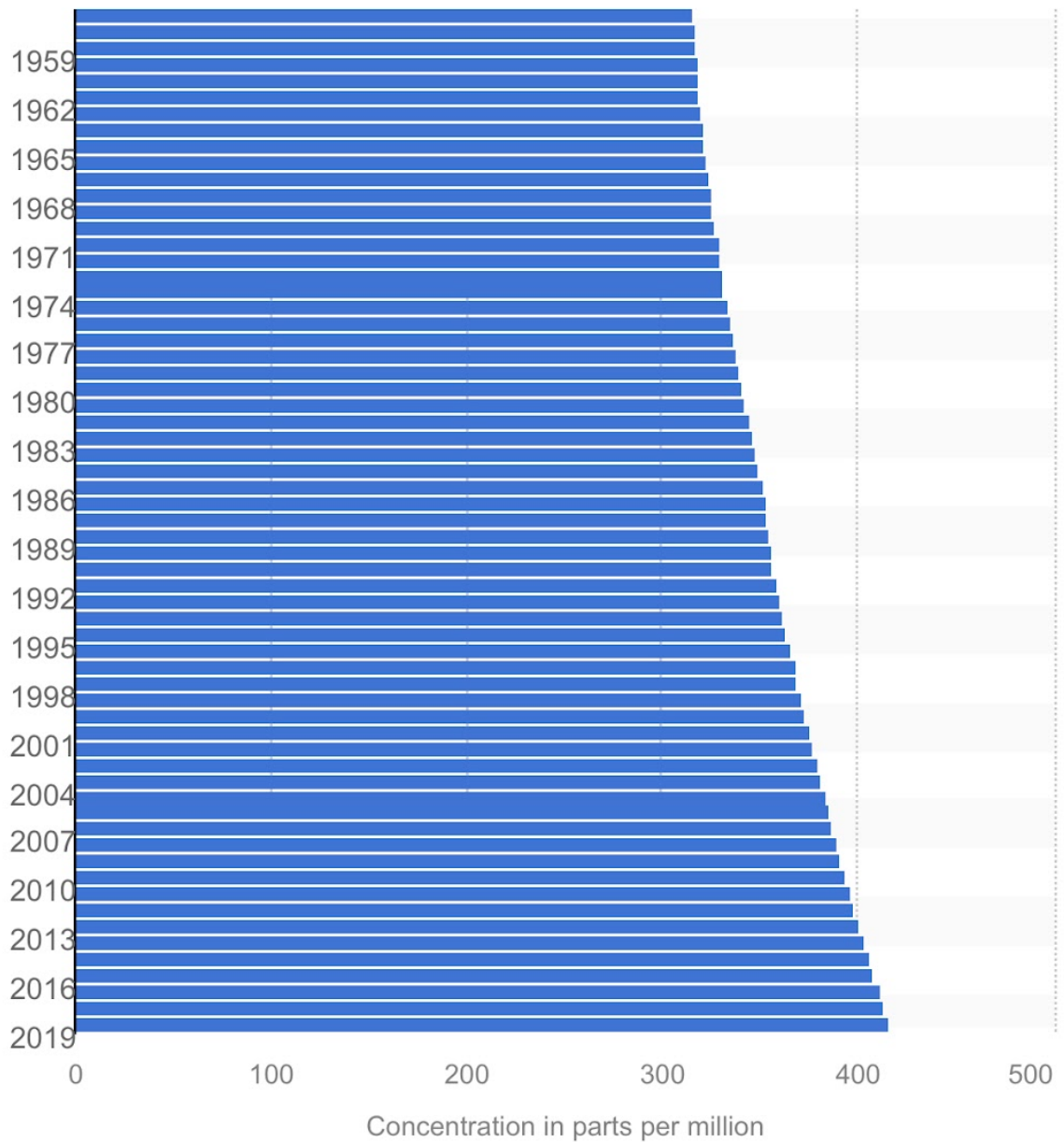


Annual CO2 emissions worldwide from 1940 to 2020

(in billion metric tons)

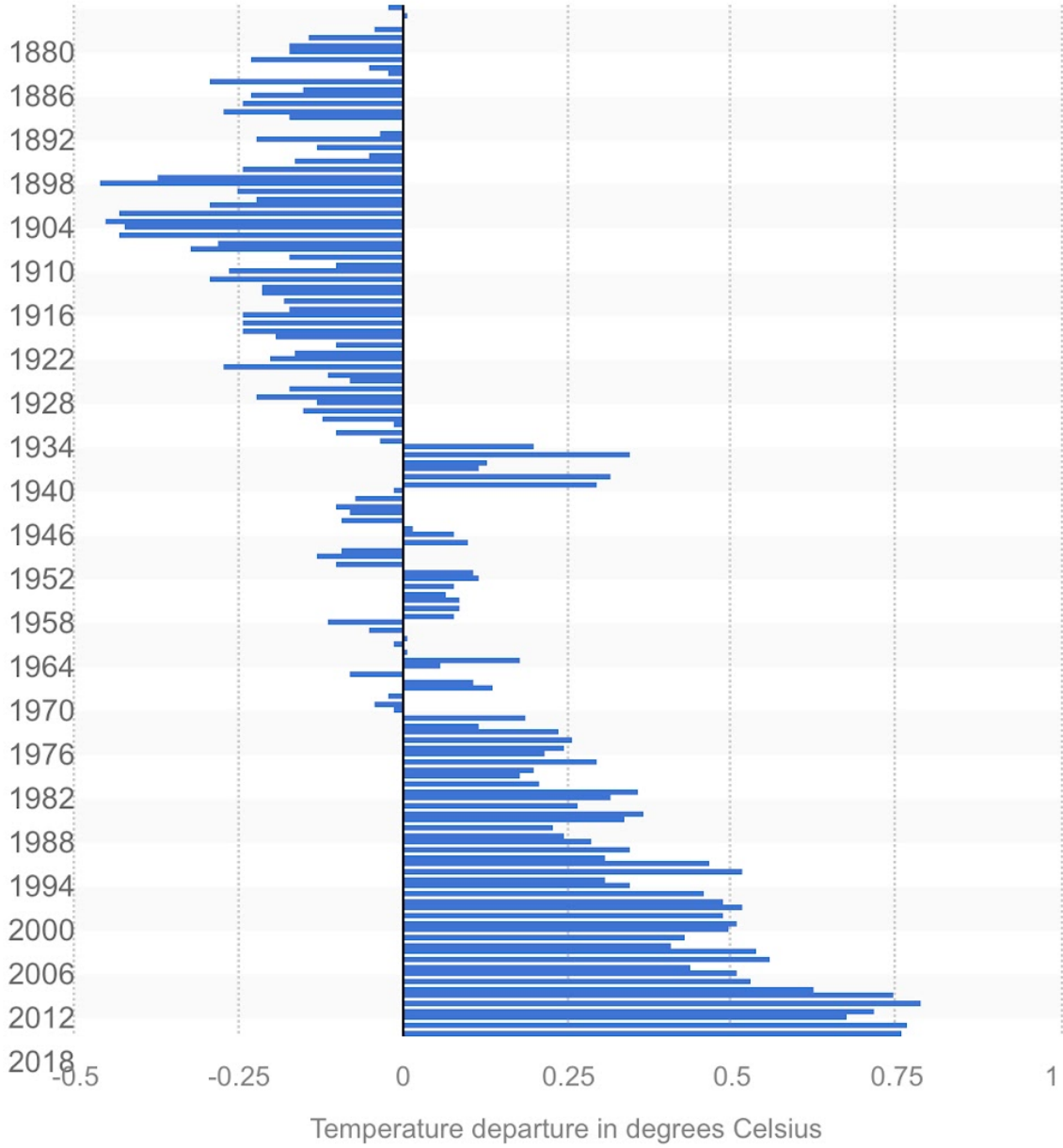


Historic average carbon dioxide (CO2) levels in the atmosphere worldwide from 1959 to 2021 (in parts per million)*



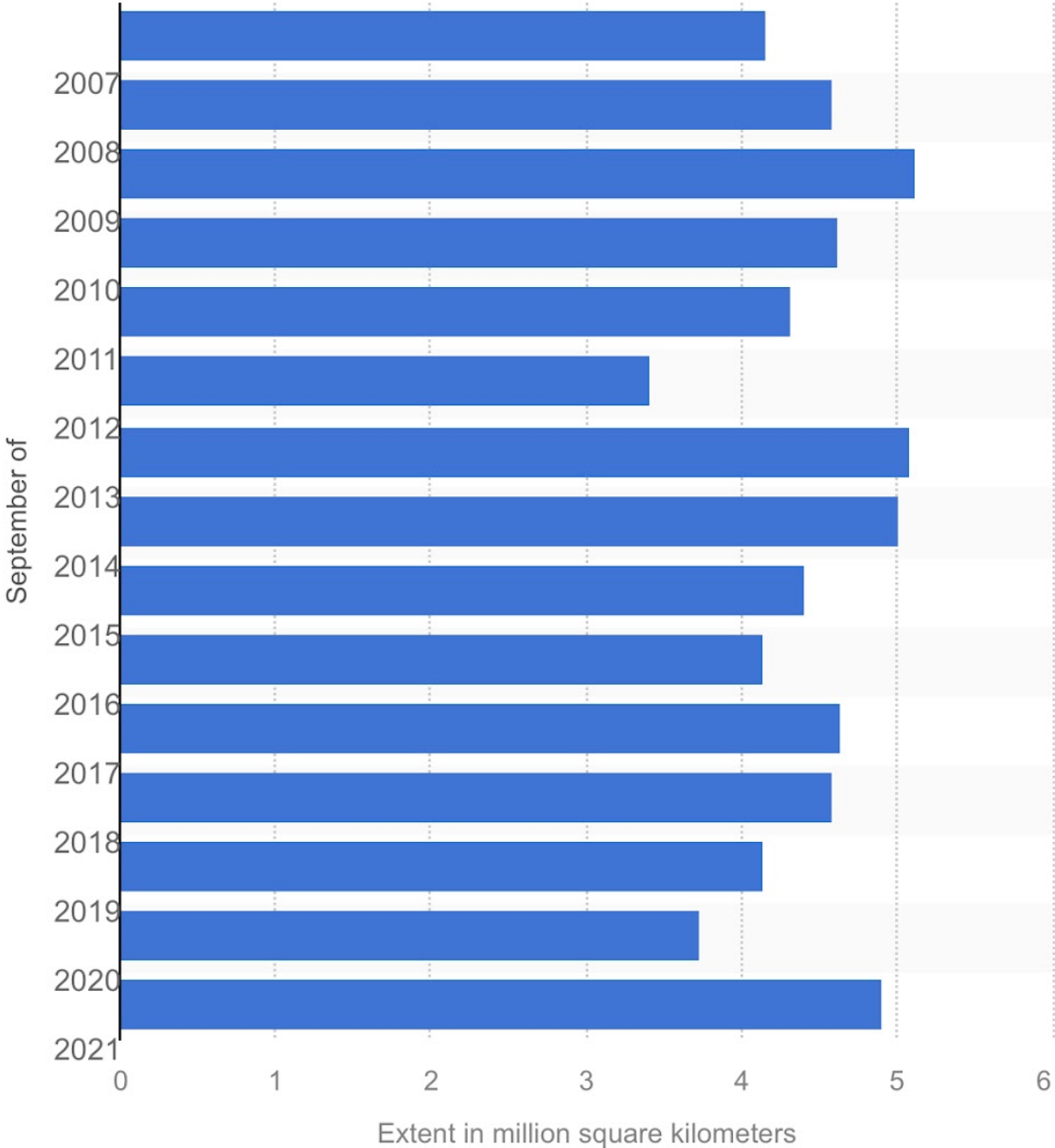
Annual anomalies in global ocean surface temperature from 1880 to 2020, based on temperature departure

(in degrees Celsius)



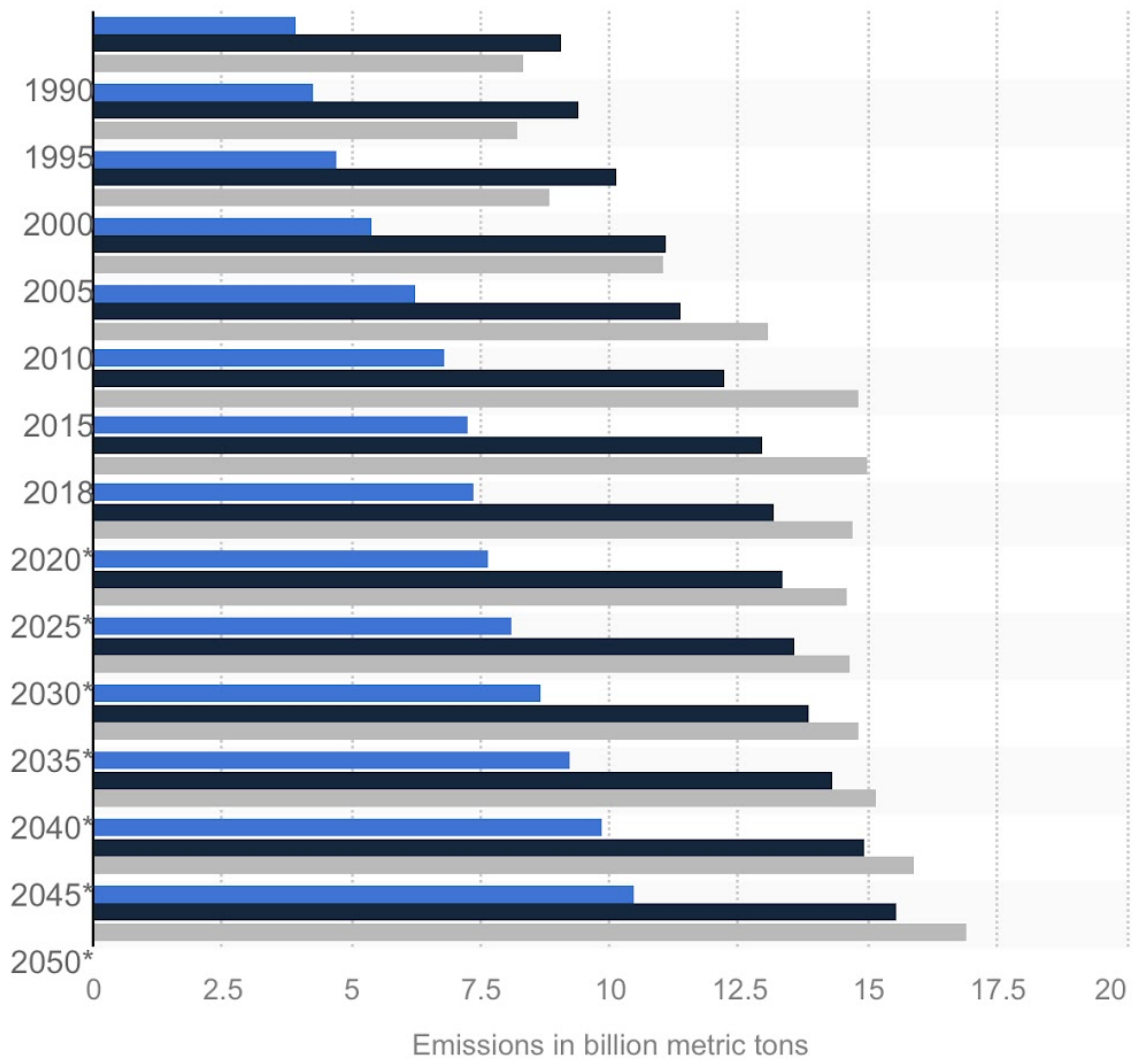
Minimum Arctic sea ice extent from September 2007 to September 2021*

(in million square kilometers)



Energy-related carbon dioxide emissions worldwide from 1990 to 2050, by fuel

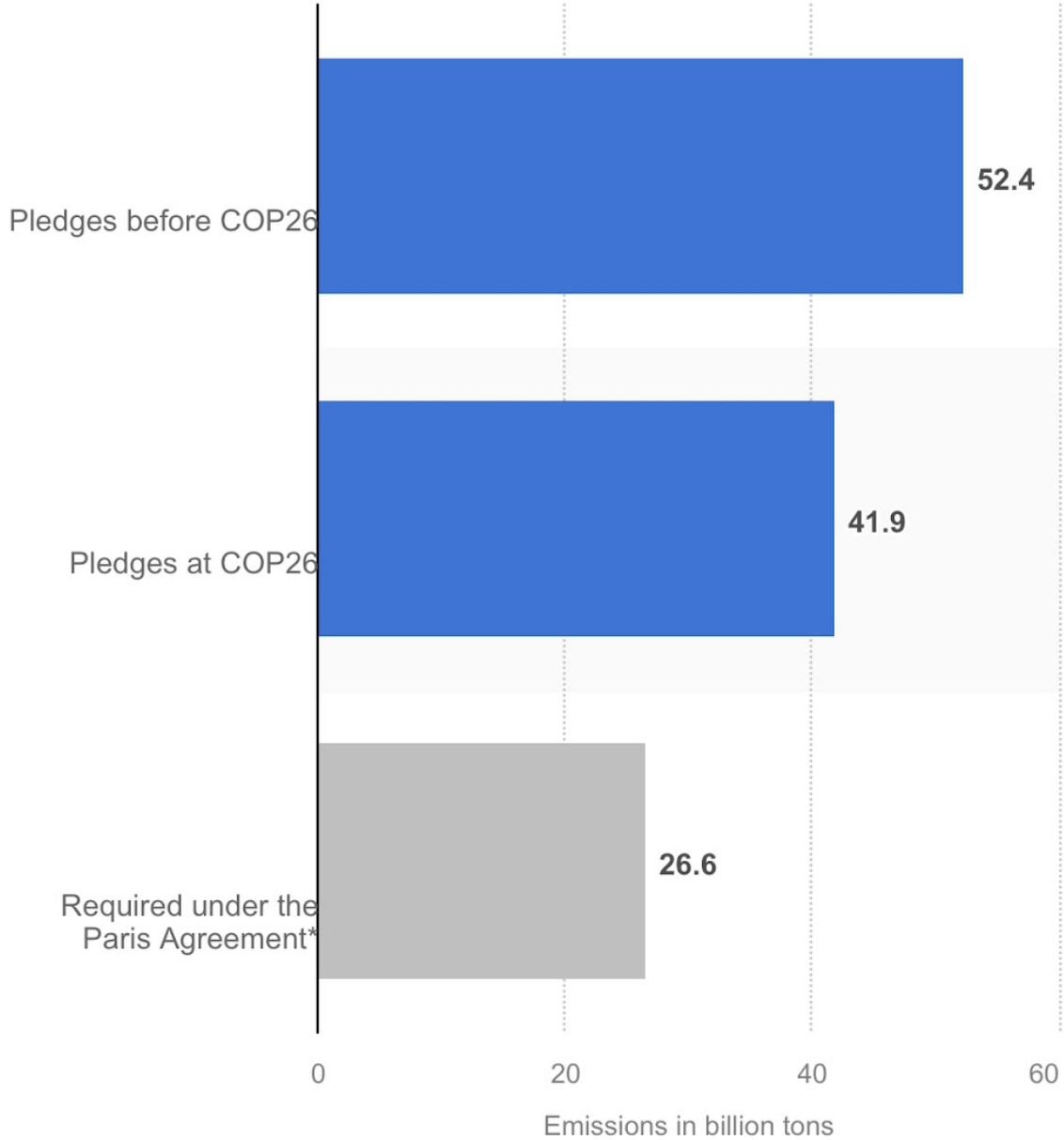
(in billion metric tons)



● Natural gas ● Liquids ● Coal

Projected greenhouse gas emissions worldwide in 2030, by scenario

(in billion metric tons)



Even though the time is running fast, it's not all "doom and gloom." There are actionable and practical steps we should take to facilitate the slow-down process.

In a nutshell, these big steps are:

- Decreasing emissions;
- Reacting to climate change impacts and adapting to them;
- Investing/funding organizations which perform two first steps.

And this takes us to the next topic of this White Paper: why we're developing THE CLIMATE ECOSYSTEM platform.

THE CLIMATE ECOSYSTEM: Mission

Climate change is a fact, and many of us realize its consequences. We see that extreme events are happening more often and in the less common areas (intense flooding in Germany, for example), causing damage (including huge economic losses), deaths and impacting our lifestyles overall.

We are all responsible - and capable - of reversing this scenario. We must learn and adopt sustainable practices in our daily lives, such as using clean energy, consuming products and services produced by eco-conscious companies. This is, of course, a very minimum of actionable ideas.

To apply sustainable solutions and to develop more of them a complex approach is required. The environmental challenges the world is facing today are greater than ever, therefore our efforts should be even greater.

That's why we're developing THE CLIMATE ECOSYSTEM which will facilitate mutual efforts in fighting against global challenges.

The main goal of our project is to build the bridge between investors/donors and organizations working to decrease effects caused by climate change. This will be done through donations which will be given in different ways through our blockchain platform. We will explain the process in the Product Development section of the White Paper.

Our second objective is to generate value for investors/donors through our platform using the DeFi system. At the same time participants making donations will generate value for themselves, thus promoting the usage of THE CLIMATE ECOSYSTEM.

What makes us different?

We know how difficult it is for individuals to make a donation. Reasons are different: either it's not enough information, lack of time or distrust - the destination of donations is not always transparent.

Another difficulty is purely an institutional one: the way the system currently works results in making smaller donations from individuals or organizations non-feasible. For example, if an American citizen wants to donate to a company working

with the Amazon Forest program, they will face annoying and costly bureaucratic procedures of sending money abroad.

Our project aims to solve this problem in the following way: the decentralized platform will allow anyone from anywhere in the world to make anonymous donations to companies from different countries. Any amount will be possible and at no cost. This, and creation of value for investors/donors are our main advantages.

THE CLIMATE ECOSYSTEM: Product Development

THE CLIMATE ECOSYSTEM description

Our Farm and Staking Platform is already ready, It will be operational as soon as CLIME token Pre-sale ends.

To reach our goals in terms of donations and added value to investors/donators, our ecosystem will have two tokens.

Token: **CLIME**



Tokenomics:

Total supply: 10.000.000.000.

Pre-sale information and token distribution will be available soon.

As soon as pre-sale ends, investors will be able to Farm and Stake CLIME to receive CARBC (Carbon Credit) token

Transaction fees: there will be no transaction fees for stake, unstake and farming on our CARBC farm platform.

All other transaction will have 10% fee:

5% send to holders;

3% donation;

2% liquidity.

This tokenomics will ensure that each CLIME transaction has a profit for holders, as well as value generation for donation.

CLIME holders will have the right to vote for the organization that will receive the donation.

Benefits of buying and holding the CLIME token:

Taking an active part in the global challenge - fighting and preventing the consequences of the world's biggest concern, which is climate change;

Increasing the value of the CLIME token - with many governments, organizations, companies and individuals concerned about climate change, our project will inevitably see the increase in traffic and in value;

Staking and Farming the CLIME token - by doing so investors will receive exclusive rewards in CARBC (our CARBON CREDIT token, see information below);

Purchasing NFTs - the CLIME token will be the official currency to do so (when available);

Earning significant returns on investments while supporting the most important cause.

Token: **CARBC** (CARBON CREDIT)



This is our farm token, needed to receive CARBON CREDITS.

CARBC launch:

- Fair launch;

- No pre-sale;
- No Pre-mine;

Participants can only buy CARBC tokens at the start of farming only.

The dev team will add CARBC-BUSD, CARBC-BNB liquidities on Pancake Swap right at the farming start.

CARBC reward distribution:

05.00% of the investor harvest goes to CARBC holders;

05.00% of the investor harvest goes to the Donation Wallet, but at harvest the investor can choose if they want to make more donations (up to 100% of the rewards);

Maximum supply cap is 21,000,000 CARBC;

The CARBC token has a transaction fee of 2% which goes to the Donation Wallet.

All CARBC pairs:

Deposit fee: 0.10% - 100% to Mkt wallet.

All external pairs:

Buyback: 0.8% of fee will go to the CLIME buyback and burn;

Operational fee: 1.5% to platform operators;

Special reward pool: 0.7% to individual reward pools (staking);

Development & marketing: 1% to dev wallet;

Total fee: 4% on profits.

About our Farm:

The CARBC token will be available for farming and staking after the CLIME token pre-sale ends.

Better rewards will be available for the CLIME token holders.

Benefits of generating, buying and holding CARBC token:

In addition to the CARBC appreciation itself, investors will be able to stake and farm to generate more carbon credits (CARBC) for itself and for donation;

CARBC will be the official currency for our future metaverse platform, where users with the most carbon credits will have more opportunities to buy better assets (forests, rivers, farms, etc.).

How donation amount will be generated

There are several ways to generate value for investors:

- 3% of all CLIME transaction;
- 5% of farming and staking rewards or more;
- Any amount from pure donation;
- 2% of all CLIME transaction;
- 2% of all CARBC minted.

About choosing organizations for donations

We are continually working on analyzing and selecting organizations that efficiently support environmental causes and develop solutions to fight consequences of climate change.

This research is very important for us as we strive to bring to our platform only legal organizations (legalized in their respective countries of origin) and companies that are competent in what they're doing. We want to be 100% sure that donations are going to the right places and causes. That's why we're starting with just a few companies as partners. We will be adding new organizations as soon as the research is completed for each one. Detailed information about each new organization eligible for donations will be available on our website.

The approved companies will be presented to the community for a vote on which institution will receive the donation. We will do one vote per month. The monthly

balance from the donation portfolio will go to the chosen organization. Only holders with at least 50,000 CLIME will be eligible to vote (at the start all community members will be available to vote).

Next Improvements:

NFT Collections:

We will soon start our Amazon rainforest Fauna and Flora exclusive NFT collections. It will be buying with CLIME token.

Each Animal and Plant species from Amazon rainforest will have only one NFT, so will be a very exclusive NFT.

Metaverse:

We have plan to launch our Metaverse Platform, which we will be selling selling Forests, Rivers, Oceans, Farms, etc...

The amount collected from all Those NFTs and Metaverse lands sold, more than half will go to donations to climate change organizations that the buyer will have the rights to choose.

Climate Change Helpers

At this point, we are not including big names (Greenpeace, Environmental Defense Fund, Nature Conservancy, Natural Resources Defense Council), because those organizations are already relatively well-funded.

The companies we intend to work with are doing something promising in terms of the following criteria: importance, tractability, and neglected problems.

Important targets for change are ones that drive a big portion of global emissions. Tractable problems are ones where we can actually make progress right now. And neglected problems are ones that aren't getting a big influx of funds from sources like the government or philanthropy, so they can use money from smaller donors.

We've also selected organizations that are tackling the problem on different levels, based on various theories of change. Some advocate for high-level policy change, while others are focused on building activist movements or achieving immediate emissions reduction.

We should have a diverse portfolio of mitigation strategies. There should be some short-term projects that give us certainty about reducing emissions now, but I also buy the argument that that's not going to be enough, so we need some moonshot projects

THE CLIMATE ECOSYSTEM: Investment Opportunity

Climate tech is on the rise and rightfully so. According to Blackrock CEO Larry Fink, the next 1,000B startups will be those actively involved in and contributing to climate-related initiatives.

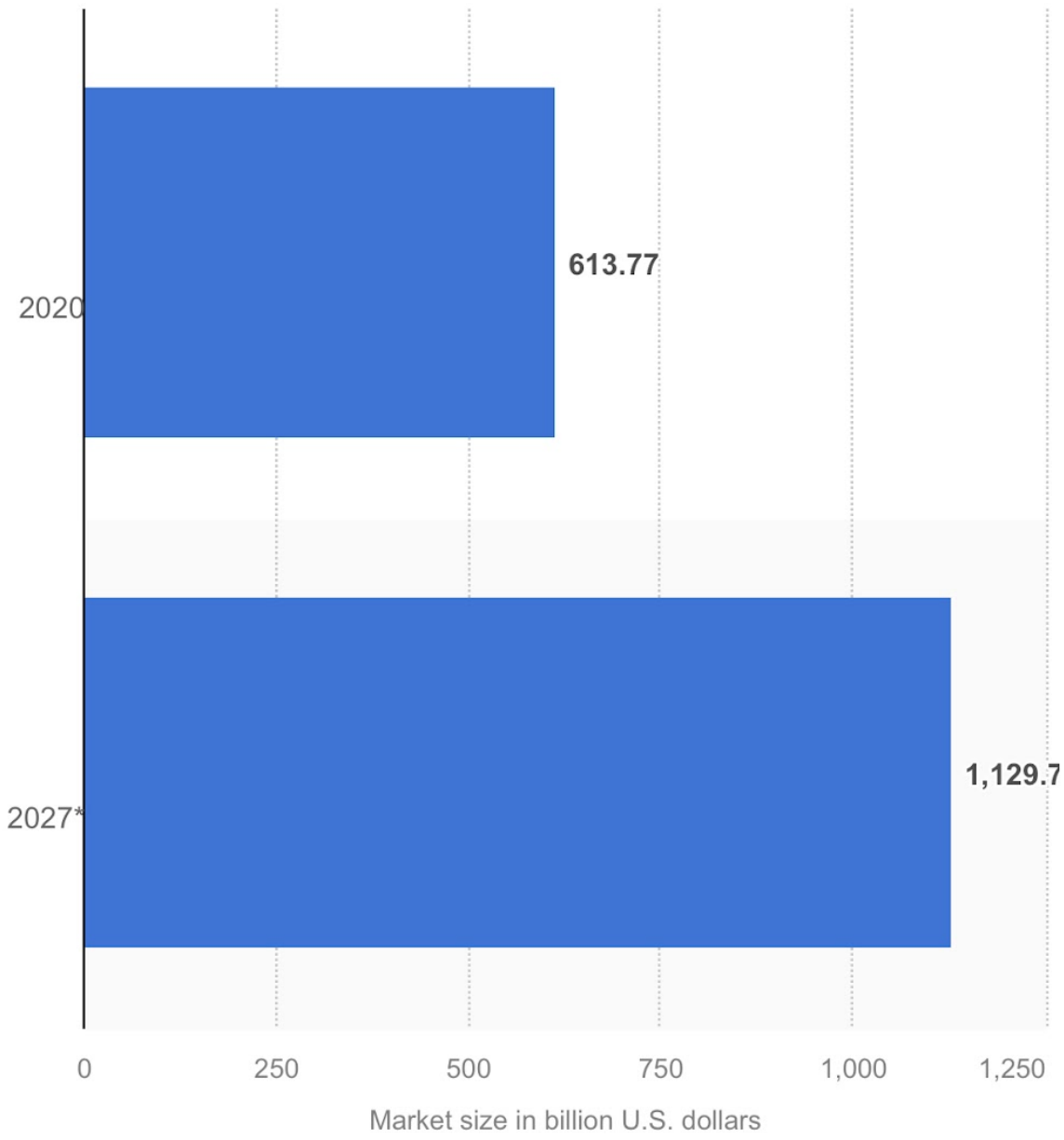
Addressing environment-related issues and offering actionable solutions are fields of a massive potential for new businesses. Fink believes that climate change is actually a business opportunity since it will require major shifts in how industries function. Especially if the world will stick to the goal of achieving net zero carbon emissions by 2050. This is a multi-level strategy, which implies a “revolution in the production of everything we produce, and a revolution in everything we consume.” Therefore, “... businesses developing green hydrogen, green agriculture, green steel and green cemen” are the next unicorns.

This point of view is shared by Bill Gates, who famously said that climate tech “will produce 8 to 10 Teslas, a Google, an Amazon and a Microsoft.”

Sustainable tech is one of the biggest trends of 2022 according to experts - along with Web3 and Metaverse. And so a very significant rise of “climate investing” is expected. At the moment, new investment in clean energy worldwide is \$301.7bn (source: Statista).

Renewable energy market size worldwide in 2020, with a forecast for 2027

(in billion U.S. dollars)



Advanced scientific research, tech breakthroughs and mass adoption of renewables require mobilization of all resources: human, educational, technological and, of course, financial.

There is still time to slow-down devastating effects of climate change and to contribute to the improvement of life on our planet.