



## Intro

The Prolific Fund is a GHG emissions reduction registry that believes through collaboration, well-planned and implemented action we can reach the net-zero emissions<sup>1</sup> target of 2050. We mitigate the climate-related risks by designing projects that meet each country's NDC<sup>2</sup> to stimulate a green economy<sup>3</sup>.

Each project is designed to strengthen the means of implementation and revitalize global partnerships for sustainable development far beyond the crediting period. By collaborating with other countries, project participants and serving as an accredited Carbon Registry for project activities in select sectors (agriculture, oil, and gas, biofuel, energy, water, transportation, building, urban farming, medicine, etc.), we can pool the knowledge gained from stakeholder<sup>4</sup> engagement that may be useful moving forward.

We accredit Third Party Auditors<sup>5</sup> that follow our Prolific Fund Standard(national)/Tasaku Fund Standard(international) and are responsible for the validation, verification, monitoring, and quantification through the project cycle. Our registry has implemented Blockchain<sup>6</sup> in our carbon accounting process for investors, the private sector, and individuals to offset their emissions with confidence. We will also be implementing Machine Learning<sup>7</sup> into the monitoring process so we can streamline the review and application processes.

Lowering GHG emissions is the responsibility of everyone whether you are an individual, private sector, or government organization. Making small sustainable changes to your everyday life or business conduct and culture will produce tangible and quantifiable positive impact across all sectors so we do not miss the shrinking window of opportunity in reaching net-zero emissions targets.

Historically, people put aside differences (e.g., creed, culture, gender, etc.) to unite against a common enemy. Ironically, the biggest threat to human life/economy right now is the GHG emissions from human activities (transportation, electricity, industry, agriculture, etc.). Proactively, through C.A.P. Syndicate<sup>8</sup>, we are involved with climate campaigns and initiatives that make environmental and social-economic issues more than just a conversation.

**“If we don't fight for what we stand for with our passionate words and honest actions,  
do we really stand for anything?”**

- Tiffany Madison, Black and White

<sup>1</sup> Cutting emissions as close to zero as possible (e.g., moving to a green economy and clean, renewable energy).

<sup>2</sup> Nationally determined contributions (NDCs) are at the heart of the Paris Agreement and the achievement of these long-term goals. NDCs embody efforts by each country to reduce national emissions and adapt to the impacts of climate change.



# The Prolific Fund | An International Carbon Registry to reach the Net-Zero now

## White Paper February 2022

<sup>3</sup> A green economy is defined as low carbon, resource-efficient, and socially inclusive. In a green economy, growth in employment and income is driven by public and private investment into such economic activities, infrastructure, and assets that allow reduced carbon emissions and pollution, enhanced energy and resource efficiency, and prevention of the loss of biodiversity and ecosystem services.

<sup>4</sup> The public, including individuals, groups, or communities affected, or likely to be affected, by the proposed Prolific Fund project activity, or actions leading to the implementation of such an activity.

<sup>5</sup> Third-Party Auditors (or Validation Verification Body) are independent entities that perform validation and/or verification of CO2 tonnage and information submitted by organizations or GHG emission reduction or removal projects. They are responsible for completing an objective assessment and providing a validation or verification statement concerning the responsible party's greenhouse gas declaration, based on the evidence.

<sup>6</sup> Blockchain is a shared, immutable ledger that facilitates the process of recording transactions and tracking assets in a business network. An asset can be tangible (a house, car, cash, land) or intangible (intellectual property, patents, copyrights, branding, carbon credits).

<sup>7</sup> Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy.

<sup>8</sup> A group of individuals or organizations that has come together to promote our common interests. C.A.P. Syndicate provides the tech, science, knowledge, visionaries, and the farms that help us to maintain our environmental integrity.

### Mission Statement

Prolific-Fund's goal is to join the world in reaching a net-zero future, by registering GHG reduction projects both nationally and internationally. We use blockchain to track the accurate accounting of the issuance, holding, transfer, and acquisition of offset credits. With the incorporation of machine learning, we can ensure that successive projects will maximize the use of new clean energy technology and methodologies throughout our global chain. This will ensure that each project gets the most practical and sustainable solutions to achieve its carbon natural goals.

### Our Project Sectors/Focus

#### Biofuel

Reducing the use/burning of fossil fuels through the development and harvesting of green gases is a crucial part of those projects designs that focused on this sector. Often agriculture and non-fracking drilling technologies are incorporated across project activities with multiple project participants to achieve GHG emission reductions as well as secure the necessary climate-smart commodities for the green economy.



<b>Energy</b>	<p>To reduce pollution while benefiting communities, clean energy technology projects like clean hydrogen, carbon capture, grid-scale energy storage, small modular reactors, and others are paving the way towards widespread deployment. Funding or retrofitting facilities as close to net-zero for energy use is the focus for such projects in this sector. Utilize carbon capture technology.</p>
<b>Agriculture</b>	<p>“A nation that destroys its soils destroys itself.” - 1935, President Franklin D. Roosevelt</p> <p>Today, agriculture is a sector this is highly vulnerable to the effects of changes in the climate and the second sector that most contributes to climate change.</p> <p>From 1945 to 1955 the development of penicillin, which is produced by a fungus, along with streptomycin, chloramphenicol, and tetracycline, which are produced by soil bacteria, ushered in the antibiotic age. Antibiotics play a key role in the management of infectious diseases in humans, animals, livestock, and aquacultures all over the world.</p> <p>The modern release of increasing amounts of antibiotics into waters and soils creates a potential threat to all microorganisms in these environments. Antibiotics affect soil microorganisms by changing their enzyme activity and ability to metabolize different carbon sources.</p> <p>In this sector, we focus on multi-prong approaches connecting numerous project activities, project participants, and designated entities to ensure that project activities begin with soil enrichment and end with biodiversity (in conjunction with the monitoring methodology used during the crediting period).</p>
<b>Oil and Gas</b>	<p>Oil and Gas companies will have to come in line with the switch to biofuel or help reduce the GHG or they will have to offset their emissions. Reduce the use of chemicals from fracking.</p>
<b>Regenerative Farming</b>	<p>Biopharming is an ideal use for carbon storage on land with intensive cultivation/croplands, since they have been depleted of carbon in most areas.</p>



**Transportation**

Though people will keep using their motor vehicles, we can start using more biofuels and or electric vehicles to stop the use of fossil fuels to reduce emissions.



<b>Our Impact</b>	
<p>We educate our project participants and stakeholders on various conservation efforts, clean green technology, and sustainable methodologies while being open to learning from them as well. There is typically a multi-prong approach to solve a problem. Through C.A.P. Syndicate, we keep ourselves up to date and educated on current global trends, initiatives, campaigns, resources, data, conversations, etc., so that we can incorporate our multi-prong approach and knowledge throughout our ecosystem.</p>	<b>Education</b>
<p>We aid in the development of Next Generation Nutraceuticals, pharmaceutical, and medical-grade foods, by developing projects in the agricultural sector that produce climate-smart APIs and bulk ingredients allowing for the decarbonization of the health sector via production and manufacturing of the supply chain. To eliminate the pharmaceutical waste in our waterways.</p>	<b>Medicine</b>
<p>By incorporating specific plant-based fibers into project activities as a main or cover crop, we help our project participants fill the need for sustainable alternatives to man-made fibers by giving them climate-smart commodities to enter into growing green markets. These plants can be grown annually, sometimes with up to four harvests depending upon location, and can sequester more CO<sup>2</sup> than reforestation.</p>	<b>Textiles</b>
<p>To reduce emissions while benefiting communities, clean energy technology projects like clean hydrogen, carbon capture, grid-scale energy storage, small modular reactors, and others are paving the way towards widespread deployment.</p>	<b>Energy</b>
<p>Our projects impact the conservation of the world's most important ecosystem that all living things rely on for survival. Some of the ways we achieve this are by using water efficiently to reduce unnecessary usage;</p>	<b>Water</b>



reducing trash; not using contaminants like fertilizer; and rapid growth of toxic algae blooms in waterways.	
Better soil practices (mineralize soils for enrichment) help to increase the bioavailability of nutrients, crop yields, water retention in the soil as well as microbial biomass and soil diversity. Our methodologies help mitigate climate-related risks like drought, invasive pests, and soil erosion. This will decrease crop rotation and help with soil remediation.	Food

### Stakeholder Engagement

By engaging stakeholders, we promote partnerships that raise awareness, strengthen capacities, provide technical assistance to our projects, and increase the resilience of vulnerable communities while growing biodiversity in ecosystems. Through holding public workshops/webinars/panel discussions, we gain access to powerful strategies and technical institutions to share knowledge as peers. It is also important we support Governments in their efforts to mobilize private funding to achieve their climate and sustainable development goals that strengthen the ability of agriculture and financial systems to promote rural resilience and food security.

During the public comment period, we target several interactions (scarcity and abundance, shocks and stressors, governance, innovation, etc.) to prioritize the list of themes based on their relevance to the project in review.

**Some priorities include, but are not limited to:**

- Arts/Culture/Preservation
- Carbon Assessment
- Climate Change/Environmental Conservation
- Critical Resource Management (Water/Energy/Food)
- Disaster/Emergency Management
- Education/Research
- Establishing Green Economy
- Humanitarian Aid
- Mining/Extraction
- Public Health
- Trade/Commercial Manufacturing/High Paying Jobs



- Transportation
- Urban Planning and Development

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## It Is Time to Invest In A Net-Zero Energy Future

**Q:** When is the best time to plant a tree?

**A:** Twenty years ago.

**Q:** When is the best time to invest in a net-zero energy future?

**A:** Now.

There are many forms of green investments (both public and private) to help achieve a net-zero energy future with a green economy:

- ❖ Education and training in a workforce that can service a low-carbon economy
- ❖ Manufacturing of clean energy technologies
- ❖ Research and Development for technology innovation and deployment
- ❖ Understanding and mitigating the impacts of decarbonization on communities
- ❖ Building resilient communities in a low-carbon economy
- ❖ Long-distance transmission of renewable energy
- ❖ Purchasing offset credits, from registered projects

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## How To Purchase Prolific-Fund Offset Credits

The price of an offset credit can range from \$1 to well over \$85. Prices tend to vary mostly by project type, with small differences between offset credit labels. Purchasing options can depend on where in this “lifecycle” a buyer gets involved. Buyers should have a basic understanding of how carbon offset credits are generated, transferred, and used/retired.

### Four Ways to Buy:

1. Buyer may sponsor the development of a methodology for a new project type that is not already eligible in existing offset programs.



2. Buyers can directly invest in an offset project in return for rights to (some portion of) the credits the project can generate.
3. Buyers looking to identify a mix of offset credits from different project types and facilitate large or small transactions should purchase through brokers. Offset credits are commodities and numerous firms function as brokers for carbon offset credits.
4. Buyers looking to acquire only a small number of offset credits (such as small companies or individuals), should go through a retailer. Retailers can provide access to offset credits from a range of different projects and will provide at least basic information about those projects.

**Which approach is right for you:**

- How quickly you need to acquire offset credits, and when you need them delivered
- How many offset credits do you need to acquire?
- What price level you can afford?
- What amount of time and effort can you put into the acquisition?
- Do you have the capacity to contract directly with individual projects or need to pursue more hands-off approaches?

Contact [info@prolific-fund.org](mailto:info@prolific-fund.org) for more info or if you have interest in purchasing offset credits, funding methodologies, getting involved with the Registry as a sponsor.

## Applying Carbon Credits to Our Footprint

At the end of this long process- finding and reviewing projects, verifying the emission reductions, contracting for the offsets, tracking delivery of carbon credits, and then retiring the credits- we can finally apply the credits to our carbon footprint via permanent retirement.

Given the uncertainty of estimating the exact number of metric tons from each project, it is difficult to apply a strict rule of offsetting our footprint year with the year the offset was created. Instead, we currently apply a window of up to three years between the footprint year and the year the reduction occurs.

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## In Conclusion

By improving our efficiency and investing in GHG emission reduction projects, we will continue to issue carbon offsets to lower our carbon footprint. However, not all carbon offsets are created equal and ensuring that a carbon offset represents actual GHG reductions can be a long process. During the process, we promote alliances between financial institutions and social-economic development. Each project is personalized and relies on emerging clean technologies that have a global impact.

Dozens of GHG registries exist around the world, and most of them can be divided into two different categories:

1. emissions tracking registries and
2. carbon credit accounting registries.

Prolific-Fund does both. We track and identify emission reductions at the source and track the credits once they enter the carbon market. We also collect company GHG data and serve as an independent establishment that increases transparency within the global environmental markets.

Through research, collaboration, and outreach Prolific-Fund aims to be a driving force in stimulating the green economy, while making onboarding new projects assessable to underserved communities.

## Thank You!

for taking the time to read this whitepaper

**\*This whitepaper contains forecasts, projections, goals, plans, and other forward-looking statements regarding the Prolific Fund's registry results and other data.**

**\*\*Please consider the environment before printing this document.**