STARTING SOON
The Lab Demo Day
October 20
10:00 AM ET
4:00 PM CEST
Global climate finance flows reached USD 632 billion in 2019/2020, but with tepid growth rate.
Current investment levels are nowhere near enough to limit global warming to 1.5°C
The Lab identifies, develops, and launches innovative finance instruments that can drive billions in private investment to action on climate change and sustainable development.

- 55 instruments launched
- 70+ public and private Lab Member institutions
- 300+ supporting experts, nearly half from developing regions
$2.5 bn mobilized for climate action in developing countries

$370+ mn invested by Lab Member institutions

$2.0+ bn catalyzed in additional investment

Lab instruments have mobilized 200x what funders have invested in the Lab Secretariat
The Lab brings together over 70 institutions to address the sustainable investment gap

FUNDERS

MEMBERS

PAST FUNDERS

SECRETARIAT
The Lab’s three ingredients to success

Public-Private Collaboration
Builds capacity and knowledge to deploy effective climate finance solutions.

Innovation & Transformative Solutions
Financially sustainable solutions that reduce barriers to investment in sustainable development.

Mobilizing Finance
Enables piloting and implementation of transformative solutions.
2021 Lab Instruments: a wide range of climate investment opportunities

- P-REC Aggregation Fund
- Guarantee Fund for Biogas
- Amazônia Sustainable Supply Chains
- Smallholder Resilience Fund
- Data-Driven Energy Access for Africa
- The ACT Fund
Today's impact

Investment Opportunities
USD 348.2 million

Grants
USD 19.8 million

1. No Poverty
2. Zero Hunger
3. Good Health and Wellbeing
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation, and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life below Water
15. Life on Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals

The Lab
Smallholder Resilience Fund (SRF)

ONE ACRE FUND

Appollinarie Nyiratabaro, Bugesera District, Rwanda
Marie Usabiyumva, Gatsibo District, Rwanda

Farmer Challenge:

Low prices + Insufficient markets
Crop value chains are only as strong as their weakest link and do not work for farmers

Lack of commercial financing into value chains

Smallholders face barriers to access

Missing links
SRF aims to address market failures for farmers and the value chain.

Lack of incentive to invest

Farmers

Value Chain
To address the challenges at all levels, we will deploy a multi-pronged, ‘synchronized investment’ approach.

1. **Smallholder Support and Aggregation**  
   Working with One Acre’s 1.4M farmer network

2. **Investment Fund**  
   Attracts and deploys commercial capital. De-risked via TA

3. **Venture Studio**  
   Designing and launching new SMEs to fill market gaps

Profits passed to smallholders
Impact: resilience for smallholders and the environment

By enabling smallholders to engage in more productive, climate-friendly value chains, both people and planet will benefit

Stable incomes from crop diversification

Increased annual income by farming high-value crops

Carbon sequestration through tree planting

Agroforestry, land restoration, and improved biodiversity

Christine Mukamabano, Kayonza District, Rwanda
Example: Avocado in Rwanda

1. Smallholder Support and Aggregation
   Working with One Acre’s 1.4M+ farmer network

   - Seedling distribution, extension, offtake

2. Investment Fund
   Attracts and deploys commercial capital. De-risked via TA

   - Equity investment in avocado oil processor, working capital for seedling production and exporters

3. Venture Studio
   Designing and launching new SMEs to fill market gaps

   - Building cold chain and certification company
One Acre Fund is uniquely positioned to improve African food systems and improve smallholder resilience

1.4M farmers, 9 countries
One Acre Fund is a trusted partner for farmers and has boots on the ground in East Africa with strong field presence & farmer network.

Partnerships with a large network
of government stakeholders, agri-SMEs, and end market buyers

Track record raising $74M of debt from investors,
including commercial banks and Development Finance Institutions

History of farm-finance innovation
(e.g. largest provider of smallholder crop insurance)
Our presence in Rwanda

Country Statistics (2021)

700,000+
Direct clients

1M+
Farmers served through partnerships

$33M+
Total loan portfolio ($)

2,730
Country program staff

Felicite Ntawangaheza, a One Acre farmer from Bugesera District
We are Ready to Launch:
We are launching a grant-funded pilot to learn and de-risk before mobilizing concessional and private capital.

Capital needs - Amount deployed per year

- **Pilot (Now)**: $4.2M
  - Prove synchronized investment at small scale

- **Graduation (Year 3)**: $25M
  - Refine model, commercial capital begins to invest

- **Scale (Year 10)**: $100M
  - Mobilize and redeploy capital

Outcomes:

- 1 million+ farmers served (50%+ women)
- 10 million+ fruit trees planted

Replication in multiple countries & value chains

*Grant figures are raised annually*
AMAZONIA SUSTAINABLE SUPPLY CHAINS MECHANISM (AMSSC)
The Amazon region contains 67% of the world’s tropical forest cover. Yet the region contributes to not even 0.2% of the USD 175 billion global market for forestry-compatible products.
Small producers and cooperatives in the Brazilian Amazon are unable to take advantage of the growing global demand for forest-compatible bioeconomy, as there is systemic lack of:

- Financing
- Robust value chains
- Productive capacity
- Local infrastructure
THE SOLUTION

AMSSC scales Amazonian bioeconomy value chains, amplifying investments in the region and building community resilience.
Cooperatives in the Brazilian Amazon
Natura’s suppliers of over 37 bioingredients and agroforestry palm oil

Fund that leverages bioeconomy off-take agreements with a holistic focus on value chains
**IMPACT**

- **Bio-ingredients growing 140% in the next 10 years**
- **89 supply chains**
- **3 million hectares of the Brazilian Amazon**
- **1.4 billion tons of CO₂ emissions**

**Over 10,000 households in the Brazilian Amazon**

**Build capacity of 40 smallholder cooperatives in bioeconomy value chains**

**Sustainable livelihoods with direct investments from the ECF**
IMPLEMENTATION PATHWAY

1-3 years
- Co-construct value proposition by engaging cooperatives
- Fundraising for the Enabling conditions fund (ECT)
- Develop a monitoring and evaluation strategy
- Receivables fund reaching up U$ 15mm

3-5 years
- Engage and finance growing number of cooperatives
- Increase pipeline and opportunities with other suppliers
- Include one off-taker in the platform
- ECF: phase out from donations

Year 5 and beyond
- Receivables fund reaching up U$ 50mm
- Include another off-taker in the platform
- Other financial instruments are developed and used by ECF
### INVESTMENT OPPORTUNITIES: INITIAL 3-YRS

<table>
<thead>
<tr>
<th>Investment type</th>
<th>Amount (USD)</th>
<th>Role of capital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subordinate Tranche</td>
<td>3 MM (20%)</td>
<td>First-loss / de-risking</td>
</tr>
<tr>
<td>Mezzanine Tranche</td>
<td>1,5 MM (10%)</td>
<td>Support fund with return of principal &amp; reduce costs of financing</td>
</tr>
<tr>
<td>Senior Tranche</td>
<td>10,6 MM (70%)</td>
<td>Support scaling</td>
</tr>
<tr>
<td>Philanthropic</td>
<td></td>
<td>Contribute to the Enabling Conditions Facility. Non-refundable grants</td>
</tr>
</tbody>
</table>

*USD equivalent of the Brazilian real (BRL) is calculated using the exchange rate of 1 USD = 5 BRL*
AMSSC brings a new model for companies to interact with their suppliers, promote sustainability in supply chains, and contribute to the betterment of suppliers’ communities.

CONTACT INFORMATION:
Carolina da Costa
cdcosta@mauacapital.com
P-REC Aggregation Fund
Extending the renewable energy revolution to fragile states

Presented by:
Sherwin Das
Managing Director, Energy Peace Partners

Katie Retz
Renewable Energy Finance Lead, Energy Peace Partners
About Energy Peace Partners

Mission
Leverage climate and finance solutions to promote peace in the world’s most fragile regions.

Team
Brings together expertise in peacebuilding, renewable energy and climate security

Peacebuilding
Dave Mozersky
President

Renewable Energy
Sherwin Das
Managing Director

Climate Security
Bessma Mourad
Operations & Planning Lead

Linda Wamune
Program Director

Dave Williams
Renewable Energy
Finance Advisor

Katie Retz
Renewable Energy
Finance Lead

Orrin Cook
Innovative Finance & Asia Lead

Andrea Abel van Es
Peace Analytics & Impact Advisor
The Challenge

Limited RE investment in fragile states in sub-Saharan Africa

Least electrified countries are also most vulnerable to conflict and climate impacts. Yet less than 5% of global renewable energy (RE) investment reaches these nearly one billion people.

Sub-Saharan Africa:

- 75% of world’s population without electricity access
- Energy access progress limited to few countries
- Fragile states suffer from persistent energy poverty alongside risks of conflict and climate change
- Uncertain political and economic environments deter RE investors and limit access to affordable finance
The Innovation

Peace Renewable Energy Credits (P-RECs)

- **High-impact energy attribute certificates (EACs):** 1 MWh = 1 P-REC
- **Values** social & environmental benefits of RE generated from qualifying projects
- **Sales** allow developers additional way to monetize RE, unlocking new revenue stream
- **Purchases** help multinational companies meet environmental and social goals

P-REC sales unlock new revenue stream for RE developers

1 MWh renewable energy

1 MWh energy → Local energy market & currency → Electricity user

1 P-REC → International voluntary EAC markets → Corporate buyers

Socio-economic co-benefits
The Solution

P-REC Aggregation Fund

Instrument Mechanics

- 10-year P-REC purchase agreements executed with RE developers
- RE developers paid upfront at Commercial Operation Date for future P-RECs.
- P-RECs issued into Fund as power is generated
- Fund aggregates and resells P-RECs in voluntary RE markets

Value Proposition

- Monetizes future P-RECs to provide capital upfront
- Supports finance & construction of new electrification / energy transition projects in hardest-to-reach communities
- Developers can use P-REC revenue as sponsor equity or to pay down debt
- Portfolio approach and flexible procurement options for corporate P-REC buyers
Impact

Market Impact
Focused on fragile, energy poor countries in sub-Saharan Africa

- 11 countries with high impact potential identified
- Includes DR Congo, South Sudan, Chad, Somalia, Uganda (current pipeline)

Financial Impact
Unlocks USD 90M (9X) for emerging RE projects in underserved markets

- Improve investment environment by de-risking projects, stimulating lender interest, and increasing flow of capital

Community Impact
- Advances SDGs
- 57MW in new RE capacity
- 9,900 jobs created
- 325K households connected
- 658K mt CO2e avoided
Go-to-Market Strategy

2020
- Executed first P-REC sales agreements – with Microsoft and Google
- Issued first P-RECs
- Launched P-REC Aggregation Fund
- Designate Fund manager

2021
- Opened EPP Nairobi office to expand P-REC project pipeline

2022
- Establish Fund entity
- Source Fund capital
- Execute P-REC purchase agreements with developers
- Execute P-REC sale agreements with corporate buyers

2023
- Finalize Fund capitalization
- Provide upfront payments to developers as projects achieve COD

2024
- Begin regular P-REC Issuance to the Fund
# Funding and Investment Opportunities

<table>
<thead>
<tr>
<th>Type</th>
<th>Purpose</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Funding</td>
<td>Grant</td>
<td>$0.5 million</td>
</tr>
<tr>
<td>Fund Capital</td>
<td>Grant</td>
<td>$5.125 million</td>
</tr>
<tr>
<td>Fund Capital</td>
<td>Concessional (11% annualized return)</td>
<td>$5.125 million</td>
</tr>
</tbody>
</table>

**Total $10.75 million**
P-REC Aggregation Fund

Summary

- Impact-focused fund supporting RE projects in fragile, energy poor countries in sub-Saharan Africa.

- Increases access to finance by monetizing and paying RE developers upfront - at COD - for future P-RECs.

- Builds on increasing P-REC market demand from developers (sellers) and corporates (buyers).

- Fund can expand in future to include commercial capital and be combined with lending facilities to provide more comprehensive financing support.
P-REC Aggregation Fund

Extending the renewable energy revolution to fragile states

Contact:
Sherwin Das
sdas@energypeacepartners.com

Katie Retz
kretz@energypeacepartners.com
Data Driven Energy Access
Clean off-grid solar solutions are not reaching millions of people.

The Opportunity:
- Products already exist but they're not scaling at the rate needed to reach everyone.
- 270 million Africans lack access to energy, but have the ability to pay.

The Challenge:
- Money won't flow.
  - No scalable financing infrastructure because it's hard to accurately assess risk.

The Implications:
- Households, smallholder farmers, and micro-entrepreneurs are vulnerable to climate change.
- Universal energy access will not be achieved by 2030.
Energy access will not scale without a new financing approach

The status quo without Nithio
Total capital raised in the off-grid solar sector is not scaling
Nithio is an AI-driven platform for clean energy investment.

We standardized credit risk assessment to catalyze billions of dollars of capital geared to address climate change impacts and achieve universal energy access.
Nithio uses data analytics on loan portfolios to forecast customer repayment risk and more appropriately calculate loan risk and channel blended capital to distributors.
Scale Climate Investment through Nithio’s Data-Driven Energy Access

**2021**
- $23 million in assets
- Lending in Nigeria, Kenya, and Uganda
- Deployed 4 loans to date and have a robust and growing pipeline
- Receivables and inventory backed financing for SHS, productive use appliances, microfinance

**2025**
- $111 million in deployed capital
- 3.5 million people now with electricity
- $60 million additional income
- Finance 700,000+ appliances
- Offset 218,000+ tons of CO2 emissions
- Replace 170,000+ diesel generators
- 24,000 jobs created

Finance in Nigeria, Kenya, and Uganda
Receivables and inventory backed financing for SHS, productive use appliances, microfinance
Go-to-Market Strategy

$23m initial capital raised
$23m raised to-date from impact investors and DFIs

Initial capital deployment
4 loan facilities disbursed to distributors and continued pipeline growth

Capital raised to scale & continued deployment
Raise $50m by Q1 2022 and crowd-in private capital

Structuring to deploy catalytic capital
Continue to define optimum structure(s)

Deployment at scale
Deploy $500m by 2029

Implementation: Deployment underway

Priority targets
- Kenya
- Nigeria
- Uganda

Population without energy access
- More than 25 million
- 10M to 25M
- Less than 10M
$25m

Raise by Q1 2022

Blended Finance Approach Needed to Reach all Households

Nithio FI is seeking catalytic capital, equity, subordinated and senior debt

Nithio FI is an open-ended fund looking for investors across the capital stack
Guarantee Fund for Biogas (GFB)

ABiogás
Brazilian Biogas Association
Electric energy demand (EPE) | Fossil fuel demand (ANP)
---|---
Installed power | Biomethane 117 millions Nm³/day
17 GW CF: 90% | 70% of demand

34.5% of demand | 70% of demand
Biogas (166.2 TWh) | Biomethane (39 billion liters)
Electricity (482 TWh) | Diesel (57 billion liters)

- Brazil is a large agroindustrial and animal producer, which leads to an enormous biogas potential
- But biogas production today equals to **less than 2%** of the potential
Innovation: 1st Private, Environmental-oriented and Biogas focused Guarantee Fund in Brazil

Certification agent (Abiogás) will establish and verify projects' parameters aiming to reduce investors' risks: stability, efficiency and CO₂ emissions reduction.

Closed fixed-income fund which will pledge its shares as collateral.

Construction-phase guarantees for project loans.
Instrument Description

Concessional Investors

Commercial Investors

Guarantee Fund for Biogas (CVM regulated fixed-income fund)

Fund Manager

Abiogás Certification Agent

Private and Public Banks

Funds

Funds

Cost recovery

Fund shares pledged as financial guarantees (registered as liens on B3)

Guarantees, released back to the fund, net of defaults

Credit and Project Finance

Loan Repayment

Biogas Projects

Fees

Certification
PRIVATE FINANCE MOBILIZATION
Initial pilot is expected to raise USD 53 million from commercial and concessional sources.

FINANCIALLY SUSTAINABLE
The GFB will be able to leverage up to 3 times its resources as collateral.

REPLICATION
Considering that 10% of potential can be addressed, replication would enable USD 2.14 billion in loans (USD 184 million in investments) along 10 years.

DECARBONIZATION
Mitigation of up to 135 thousand tons CO2e per year in pilot phase. In scale, reduction can reach 1.1 million tons CO2e per year.
Go-to-Market Strategy

2021
Fundraising and Manager Selection

Q1-Q3 2022
First registration

October 2022
Fund launch

Pilot Implementation

Target markets

- Projects ranging from **200 KW to 10 MW**
- USD 0.4 million to USD 26 million

Initial portfolio:

- **37 projects**
- Adding up to **244 MW of energy generation capacity**
- Aiming for **USD 193 million in credit operations**.
### Funding / Investment Opportunities

<table>
<thead>
<tr>
<th>Investor type</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concessional</td>
<td>26.5 million</td>
</tr>
<tr>
<td>Commercial</td>
<td>26.5 million</td>
</tr>
<tr>
<td><strong>Total Pilot</strong></td>
<td><strong>USD 53 million</strong></td>
</tr>
</tbody>
</table>

- **37 projects**
- **244 MW** of energy generation capacity
- **USD 193 million** in credit operations
Thank you!

Tamar Roitman
executivo@abiogas.org.br
+55 (21) 99359-2892

Guarantee Fund for Biogas (GFB)
The ACT Fund

Arm-Harith
Cities & Climate Transition Fund

Sustainable Infrastructure for West Africa
WHO WE ARE

ARM-Harith Infrastructure Fund (ARMHIF) is a joint venture between Asset & Resource Management Holding Company (ARM), Nigeria’s largest non-bank financial services provider, and Harith General Partners, a leading Pan-African infrastructure fund manager based in South Africa.

ARMHIF was the first infrastructure fund to be licensed by the Nigerian Securities and Exchange Commission under its recent Infrastructure Fund rules while ARMHIF Mauritius is licensed under the FSC of Mauritius.

Established in 1994 as an asset management firm, ARM offers wealth creation opportunities within Africa and major international markets through a unique blend of traditional asset management and alternative investment services.

ARM currently manages over US$2.7bn of assets, has an AA rating from Agusto and Co..

ARM developed, funded and exited the Lekki Concession Company, the first private toll road concession in Nigeria.

Harith is a leading Pan-African fund manager for infrastructure development. Responsible for managing Africa’s first 15-year infrastructure fund, the US$630m Pan African Infrastructure Development Fund (PAIDF 1), and a second fund - the US$435m PAIDF2.

The firm has a long track record of value creation across the continent.

Harith delivered anchor investments in Henri Konan Bédié Bridge in Abidjan and the Main One Cable Company in Lagos.
ARM–Harith has a strong track-record for investments underpinned by robust ESG

Arm-Harith Manages Capital From Nigerian Pension Funds and International Investors Including The African Development Bank

Environmental & Social Management System
- Compliance with all applicable laws
- Safe and healthy working conditions
- Continuous improvement of ESG
- IFC’s Performance Standards and relevant AfDB and CDC Group’s guidance

Measurement & Disclosure
- Integration of community and social engagement into project outcomes
- ESG outcomes measurement framework
- Registering with PRI

2015
Financial Close: Project Astra
ARMHIF 1 First Close of $52m

2016
Financial Close: investment in Project Ark

2018
Final Close including recycled capital for a total of c.US$80 million to deploy

2019
Investment Exit: Project Astra at a 2.20x Multiple to Cost ratio

2020
Completion of portfolio investments

2021
Successor Funds

Completion of portfolio investments
CITIES & CLIMATE TRANSITION

MANAGEMENT TEAM

Managing Director & Chief Executive Officer
- 20+ years of experience in finance, principal investments and infrastructure
- Mobilized US$3Bn+ of capital for infrastructure projects in Africa.
- Founding team of AFC

Legal and Investment Director
- Commercial lawyer with over 20 years of experience and extensive exposure to public-private partnership, infrastructure development and infrastructure project finance

Investment Director
- 25+ years of experience and extensive exposure to Infrastructure Development and Private Equity, Pension Funds Management, and Privatization

Investment Director
- 16+ years of experience in structuring bankable infrastructure projects, project development and project management

Legal & Compliance
- Infrastructure Finance Lawyer with over 9 years of experience working across advisory, transaction structuring, corporate finance and capital markets transactions

Investments
- Experienced investment professional, driving origination and execution of transactions as well as management of existing portfolio companies.

Finance & Accounting
- Diverse experience spanning IT services, manufacturing, and financial services, with a proven track record of performance and value addition
BOARD OF DIRECTORS

Mr. Offong Ambah
Independent

Chief Executive Officer of Marine Network Ltd an oil service company

Tariye Gbadegesin
Managing Director

Managing Director & Chief Executive Officer of ARM-Harith

Mrs. Boma Alabi
Independent (in Process)

Managing Partner, Primera Lega Services (Senior Advocate of Nigeria)

Jumoke Ogundare
Non-Executive Director (ARM)

Chief Executive Officer of ARM

Sadiq Mohammed
Non-Executive Director (ARM)

Deputy Group CEO of ARM

Alwyn Wessels
Non-Executive Director (Harith)

Deputy Chief Executive Officer of Harith

Lesibana Morallane
Non-Executive Director (Harith)

Senior Investment Director at Harith
THE PROBLEM

950 million

Additional people will live in African cities in the next 30 years

$68-108 billion

Annual funding gap for infrastructure projects

Private financing is limited, costly, and time consuming

Decisions made today on how urban infrastructure is built will shape the continent’s carbon footprint for decades to come

HOW DO WE ATTRACT A WIDER ARRAY OF INTERNATIONAL AND LOCAL INVESTORS?
Attract investors to participate in a faster pace of sustainable infrastructure project development

- De-risking international equity with early exits
- Via local-currency senior debt refinancing completed projects
- Incorporate blended finance tools that enhance risk/return profile

Advance the climate infrastructure equity asset class for West Africa by creating a blended finance fund

- Mobilizing domestic local currency capital to participate in climate action
- Increasing availability of equity and higher risk components of the capital structure
The ACT Fund

**Initial project capital structure**
- Hard Currency (from Equity Fund)
- Local Currency (from Sub-debt Fund)
- Other funding

**Pre-operational capital structure**
- Hard Currency
- Local Currency
- Other funding

**Post-operational capital structure**
- Local Currency (from Senior Debt refinancing)
- Local Currency
- Other funding

*Graphic created by the Global Innovation Lab for Climate finance*
# COVERAGE AREAS

<table>
<thead>
<tr>
<th>Verticals</th>
<th>Regional Focus</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Regional Focus**

- **Initial focus**
- **Near-term targets**
- **Potential future expansion**
- **Rest of ECOWAS**

**Impact**

1. **Affordable and Clean Energy**
2. **Decent Work and Economic Growth**
3. **Sustainable Cities and Communities**
4. **Climate Action**

*Map showing coverage areas in West Africa.*
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Sector</th>
<th>Country</th>
<th>Description</th>
<th>Ticket Size (in US$M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunray</td>
<td>Solar-EaaS</td>
<td>Nigeria</td>
<td>Commercial and industrial solar energy solutions for industrial clients (energy as a service).</td>
<td>10</td>
</tr>
<tr>
<td>North Star</td>
<td>Solar-PV</td>
<td>Nigeria</td>
<td>Subnational Solar PV Project in Northern Nigeria.</td>
<td>10</td>
</tr>
<tr>
<td>Orion</td>
<td>Solar-Minigrid</td>
<td>Nigeria</td>
<td>Renewable Energy Multiple MiniGrid Asset Company</td>
<td>10</td>
</tr>
<tr>
<td>Gongola</td>
<td>Solar-PV</td>
<td>Nigeria</td>
<td>Originally utility scale, currently being re-purposed into industrial and sub-national renewable energy</td>
<td>25</td>
</tr>
<tr>
<td>Waterfall</td>
<td>Solar-PV</td>
<td>Ghana</td>
<td>A utility scale renewable energy project for the development of Govt. Power Authority’s 50MW Solar Farm</td>
<td>15</td>
</tr>
<tr>
<td>Pluto</td>
<td>Solar-PV</td>
<td>Ghana</td>
<td>Expansion of existing project</td>
<td>15</td>
</tr>
<tr>
<td>Westwing</td>
<td>Solar-PV</td>
<td>Guinea</td>
<td>Greenfield utility-scale solar power project to generate 82.5MW of clean, reliable, and affordable energy for Guinea. Being supported by German government under Compact Africa</td>
<td>25</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>110</strong></td>
</tr>
</tbody>
</table>
### IMPLEMENTATION PATHWAY

<table>
<thead>
<tr>
<th>Phase 1: Fund Establishment</th>
<th>Phase 2: Deployment</th>
<th>Phase 3: Management and project Exits &amp; Re-deployments</th>
<th>Phase 4: Replication - Act Fund 3 &amp; Beyond - Start at year 2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 years</td>
<td>3 years</td>
<td>8.5 years</td>
<td></td>
</tr>
<tr>
<td><strong>Month 1-16: Sept 2021 – Dec 2022</strong></td>
<td><strong>Month 17-42</strong></td>
<td><strong>✔ Arrange equity exits</strong></td>
<td><strong>✔ Replication - Act Fund 3 &amp; Beyond - Start at year 2.5</strong></td>
</tr>
<tr>
<td>✔ Complete fundraising for TA, equity and debt funds</td>
<td>✔ Project development and investments</td>
<td>✔ Reinvest in projects</td>
<td></td>
</tr>
<tr>
<td>✔ Equity and local currency debt fund legally established</td>
<td></td>
<td>✔ Project payoff debt &amp; dividends</td>
<td></td>
</tr>
</tbody>
</table>

**PROJECT LAUNCH**
- **Year 1:** 2021
- **Year 2:** 2022
- **Year 3:** 2023
- **Year 4:** 2024
- **Year 5:** 2025
- **Year 6:** 2026
- **Year 7:** 2027
- **Year 8:** 2028
- **Year 9:** 2029
- **Year 10:** 2030
- **Year 11:** 2031
- **Year 12:** 2032
- **Year 13:** 2033
- **Year 14:** 2034
# INVESTMENT OPPORTUNITIES

<table>
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</thead>
<tbody>
<tr>
<td>Grant Funders</td>
<td>10M</td>
<td><strong>Technical Assistance Fund</strong>: Will include Project development technical assistance and establishment costs</td>
</tr>
<tr>
<td>DFI, private capital</td>
<td>150M</td>
<td><strong>Equity Fund</strong>: Combination of commercial &amp; concessional equity led by DFI.</td>
</tr>
<tr>
<td>Local Institutional</td>
<td>100M</td>
<td><strong>Subordinated debt fund</strong>: Commercial capital</td>
</tr>
<tr>
<td>DFIs</td>
<td>varied</td>
<td><strong>Risk mitigating instruments</strong>: at both Project and Fund level (i.e., Debt, Equity guarantees, insurance)</td>
</tr>
</tbody>
</table>
Call for Sustainable Investment Ideas

The Lab is looking for innovative finance solutions that can unlock investment for a net zero economy transition.

Selected ideas will receive guidance, robust analysis, stress-testing, and development by expert working groups and access to a network of high-level public and private investors.

SUBMIT climatefinancelab.org  DEADLINE: Dec 22nd
Thank you!