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KEY STAKEHOLDERS WITHIN CARBON MARKETS

PART 2: PROJECT FUNDERS AND OWNERS

D. Prominent Project Funders Worldwide

Private Investors

Green Climate Fund

Total Investment Size: $14 billion

The GCF focuses on a wide range of projects, including renewable energy, sustainable agriculture, water management, and ecosystem restoration.

The GCF includes a portfolio of over 243 projects with a total value of USD14 Billion

GREEN CLIMATE FUND

Major Projects

1. **Caribbean Net-Zero and Resilient Private Sector:**
- Focus: Building resilience and achieving net-zero emissions in the Caribbean private sector.
- Impact: Supports climate resilience and low-carbon development.

2. **Climate Adaptation and Resilience in Thua Thien Hue Province, Vietnam (CARe Hue):**
- Focus: Enhancing climate resilience through integrated water resource management, agriculture, and infrastructure improvements.
- Impact: Strengthens local adaptive capacities and reduces climate vulnerabilities.

3. **Building Climate Resilience for Food and Livelihoods in the Horn of Africa (BREFOL):**
- Focus: Addressing food security and livelihood resilience through climate-smart agriculture and water resource management.
- Impact: Improves food security and resilience for communities in the Horn of Africa.

Private Investors

Climate Investment Funds

Total Investment Size: $8 billion

The Climate Investment Funds (CIF) are a set of financing instruments designed to support developing countries in their efforts to mitigate and adapt to climate change.

Established in 2008, CIF is administered by the **World Bank** and serves as one of the largest multilateral funds for climate action.

Major Projects

1. **Clean Technology Fund (CTF):**
- Focus: Supports large-scale demonstration, deployment, and transfer of low-carbon technologies.
- Investments: Aims at significant reductions in greenhouse gas emissions in middle-income countries.

2. **Strategic Climate Fund (SCF):**
- Focus: A broader umbrella that includes several targeted programs.
- Programs:
    - Pilot Program for Climate Resilience (PPCR): Assists countries in integrating climate resilience into development planning.
    - Forest Investment Program (FIP): Supports efforts to reduce deforestation and forest degradation.
    - Scaling Up Renewable Energy Program (SREP): Aims to expand energy access through renewable energy projects in low-income countries.

Private Investors

ExxonMobil

Total Investment Size: $3-5 billion

ExxonMobil is a leader in carbon capture technology, with a total capacity to capture and store 9 million tonnes of CO_2 annually.

Net-Zero Ambition: The company aims to achieve net-zero greenhouse gas emissions (Scope 1 and 2) from its operated assets by 2050.

Major Projects

1. **Low Carbon Solutions:**

- Carbon Capture and Storage (CCS):
  - **Baytown, Texas Facility**: Home to the world's largest low-carbon hydrogen project, expected to produce 1 billion cubic feet of hydrogen per day and capture 98% of associated CO_2 emissions.
  - ExxonMobil operates numerous CCS projects worldwide, aiming to capture and store millions of tonnes of CO_2 annually.

2. **Renewable Energy Investments:**

- Biofuels: Development of advanced biofuels for transportation to reduce reliance on fossil fuels.
- Algae Biofuels: Research and development in algae-based biofuels, which have the potential to be a scalable and sustainable energy source.

Private Investors

Amazon

Total Investment Size: $5-7 billion

Amazon has been recognized as the world's largest corporate purchaser of renewable energy for several consecutive years.

The company's renewable energy projects span multiple continents, including significant projects in North America, Europe, and Asia.

Major Projects

1. **Renewable Energy Investments:**
- Global Projects: Amazon has over 500 solar and wind projects across 27 countries and 20 U.S. states.
- Commitment: The company aims to power all its operations with 100% renewable energy by 2025.

2. **Direct Air Capture Technology:**
- Innovation: Amazon has made its first investments in direct air capture (DAC) technology, which is crucial for removing carbon dioxide from the atmosphere.

3. **Sustainable Practices:**
- Net-Zero Carbon: Amazon is committed to achieving net-zero carbon by 2040, a decade ahead of the Paris Agreement goals.
- The Climate Pledge: Amazon co-founded The Climate Pledge, encouraging companies to reach net-zero carbon emissions by 2040.

Private Investors

Microsoft

Total Investment Size: $2-3 billion

Microsoft's extensive investments and commitments aim to drive significant progress toward global sustainability goals.

By funding diverse projects, Microsoft not only addresses its own carbon footprint but also fosters innovations that benefit wider communities and ecosystems.

Major Projects

1. **Climate Innovation Fund**

- Investment Size: $1 billion established in 2020 to fund climate solutions through equity and debt investments.
- Focus Areas: Carbon reduction, water management, waste reduction, and ecosystem restoration, supporting both early-stage and scalable solutions.
- Top Projects:
    - KOKO Networks: Clean-cooking solutions in Africa, reducing deforestation and indoor air pollution.
    - Konexa: Renewable energy projects, i.e the Gurara Hydro Power Plant in Nigeria.
    - Aclima, AMP Robotics, Climeworks: Projects in air quality monitoring, recycling robotics, and CO2 direct air capture.
    - Carbon Removal Projects: Investments in Climeworks' direct air capture technology, partnerships with Grassroots Carbon for soil carbon sequestration.
    - Investments in solar, wind, and geothermal energy to power Microsoft's data centers and operations with 100% renewable energy i.e datacenter in Kenya powered by geothermal energy

Stay tuned for part 5 of my post on Project Funders as I share about the challanges and future outlook of the project funders in the field.

Stay tuned

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