

# PFAN Global

## Introduction and Background to CTI PFAN

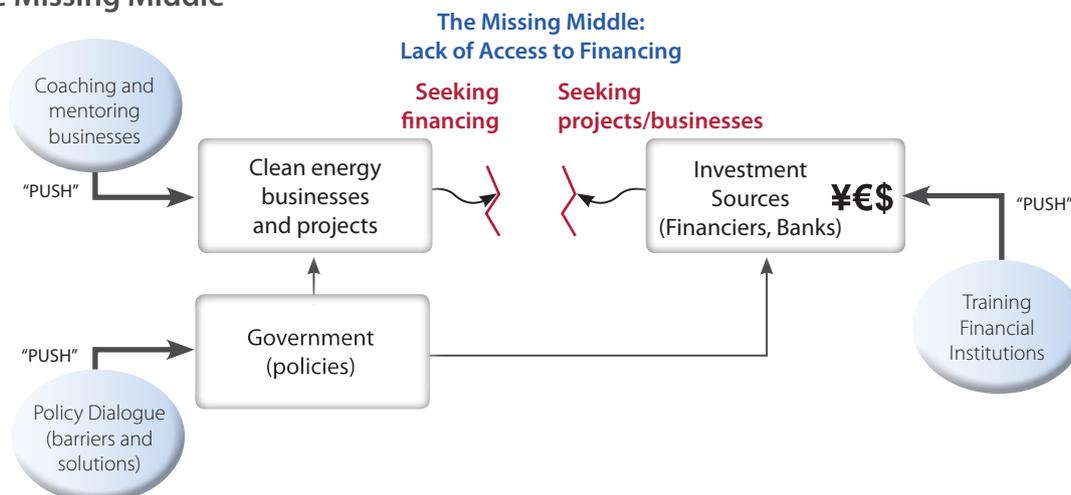
The Private Financing Advisory Network (CTI PFAN) is a multilateral public-private partnership that nurtures promising, innovative clean and renewable energy projects by bridging the gap between investors and clean energy entrepreneurs and project developers.

CTI PFAN brings together private sector companies with experience in financing climate-friendly projects and technologies to screen business plans and select the most economically viable and environmentally beneficial projects. For those entrepreneurs and businesses selected, CTI PFAN provides guidance on feasibility, project structure, investment and financing, preparation of the business plan and introductions to investors.

In order to expand access to private capital markets to supplement the increasingly short supply of public resources, CTI PFAN was initiated by the Climate Technology Initiative (CTI) in cooperation with the Expert Group on Technology Transfer (EGTT) of the UN Framework Convention on Climate Change (UNFCCC). CTI PFAN is designed to be an "open source" network to fit seamlessly with existing global and regional initiatives and to be inclusive of all stakeholders with an interest in clean energy financing.

CTI PFAN's goals are to accelerate technology transfer and diffusion under the UNFCCC, reduce greenhouse gas (GHG) emissions, promote low-carbon, sustainable economic development, and help facilitate the transition to a low-carbon economy by increasing financing opportunities for promising clean energy projects. CTI PFAN accomplishes this by building a network of investors, entrepreneurs, technical experts and government representatives with a common goal of increasing the viability of clean and renewable energy.

## The Missing Middle



Efforts to scale up investment in clean energy technology and businesses are often unsuccessful due to the problem of the “missing middle”: many clean energy entrepreneurs have good ideas but cannot find financing; while many investors in the clean energy sector have difficulties identifying and vetting attractive investment opportunities.

CTI PFAN seeks to bridge the gap — by coaching and mentoring emerging clean energy businesses; by developing a network of investors and financial institutions who are interested in and informed about the clean energy markets; and by presenting these investors with projects that have been screened for viability, sustainability and environmental and social benefits.

## The CTI PFAN Network and its Services

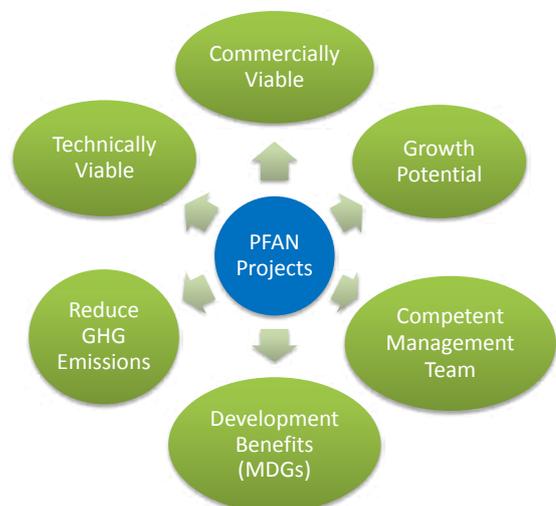
CTI PFAN is an alliance of private sector companies, gathered under the umbrella of the CTI, all experienced in providing financing and financing services to climate-friendly projects. Participants include specialist investment funds, institutional investors, philanthropic and developmental investors, strategic and industrial investors, banks as well as financing advisory consultants, all of whom are interested in triple bottom line investments that account for social and environmental values along with financial returns.

CTI PFAN identifies promising clean energy businesses and projects at an early stage and provides mentoring for development of a business plan, preparation of an investment pitch, sourcing investment and growth strategy, significantly enhancing the possibility of financial closure.

For those clean energy businesses that are selected, CTI PFAN offers a number of specific services, all of which are provided without charge:

- **Advice and Guidance** on overall project structure, financial structuring, sourcing of equity and debt financing, technical project aspects, business growth strategy, preparation and presentation of business plans.
- **Technical Assistance.** Limited funding may be available to selected projects for feasibility and technical studies.
- **Matching Projects with Investors.** Selected projects are introduced to investors via showcasing at Clean Energy Financing Forums organized by CTI PFAN and by direct introduction to network investors and other potential investment sources.

### Key Criteria for Projects



## The CTI PFAN Review and Development Process

In order to qualify for CTI PFAN support, a project first undergoes a rigorous review process based on an initial application that includes a detailed project description, underlying project economics and other readily available relevant information.

Once accepted into the programme, a project is assigned a CTI PFAN advisor or “coach” from the Network who steers the project through further review stages that are designed to guide the project sponsors through the financing process to financial closure.



## Experience and Track Record

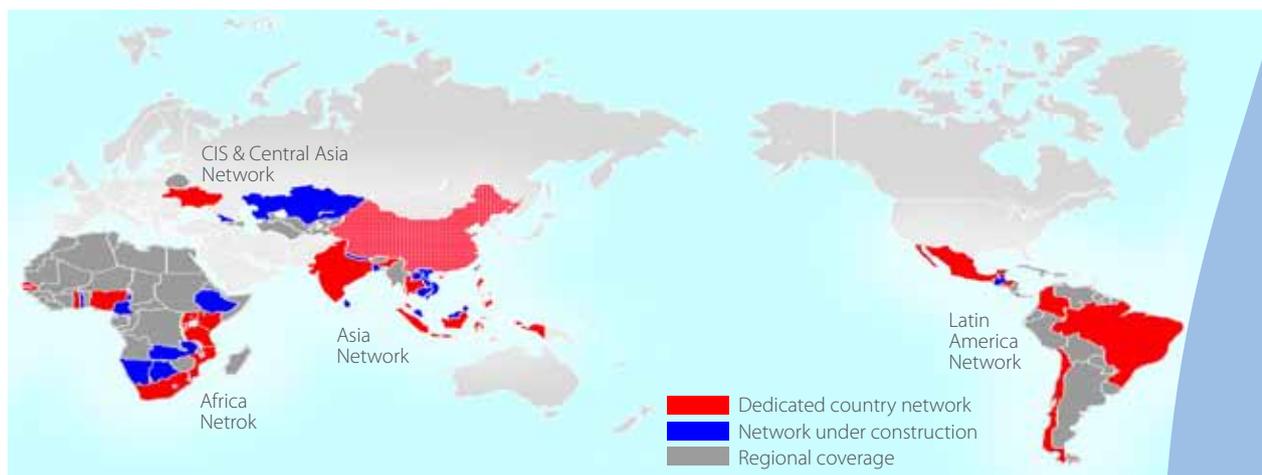
CTI PFAN activities commenced in early 2006 and were conducted as a pilot programme up to September 2008. During this period 65 projects underwent initial review, with ten of these projects being formally accepted for receiving CTI PFAN support and inducted into the development pipeline. During the pilot phase, three projects were guided to financial closure (a small run-of-river hydro-electric power station in Mexico, a bio-diesel refinery in Brazil and biomass pelletization in South Africa), raising a total of US\$ 40 million.



In late 2008 CTI PFAN embarked on a major scaling up program, which has since seen the development pipeline expand to over 221 projects with a total investment volume of in excess of US\$ 6 billion, representing a range of clean energy technologies (including solar, wind, hydro, biomass, bio-fuels, biogas, geothermal, waste-to-energy, clean transport, energy efficiency and rural electrification) and having an aggregate greenhouse gas (GHG) mitigation potential of over 10.6 million tons of CO<sub>2</sub>e per annum. By September 2013, with over US\$ 507 million of investment for 41 projects already raised, CTI PFAN has contributed to the establishment of over 329 MW of clean generation capacity and annual mitigation of 2 million tons CO<sub>2</sub>e and is well on the way to achieving its initial investment target of US\$ 500 - 700 million.

## CTI PFAN Networks and Operations

CTI PFAN has global coverage through its regional networks which also include dedicated in-country networks in selected countries. The map shows CTI PFAN network coverage and activities as of September 2013:



## Who Can Participate?

CTI PFAN generally targets projects that require total investment in the range of US\$1 - 50 million, though projects outside that range may be considered. All businesses must be able to demonstrate that the investments they seek will result in GHG reductions and social and environmental benefits. CTI PFAN is technology-neutral, and works in a range of sectors, including but not limited to biomass, wind, waste-to-energy, geothermal, hydropower, tidal, solar, clean transport, and distributed generation. Energy-efficiency programs for the industrial or commercial sectors are also eligible. In addition CTI PFAN has a special project induction track for Adaptation Related Projects.



CTI PFAN is always open for new projects. Free form proposals may be submitted at any time from any source. In addition calls for proposals are announced on a regular basis. For more information on submitting applications and the latest calls for proposals go to [www.cti-pfan.net](http://www.cti-pfan.net).

## Clean Energy Financing Forums

In addition to the standard entry and development track CTI PFAN periodically organizes Clean Energy Financing Forums in various regions and locations (including regional forums in Asia, and Africa and national forums in Brazil, China, Indonesia & Philippines) to showcase selected projects to specially convened investors. Projects for the Forums are selected via calls for proposals. For information on upcoming Clean Energy Financing Forums and calls for proposals please go to [www.cti-pfan.net](http://www.cti-pfan.net).

## CTI PFAN Benefits

For investment funds, institutional and industry investors and financial advisors, CTI PFAN provides a host of benefits. CTI PFAN Members have access to the CTI PFAN deal flow pipeline — a database of promising projects that have been pre-screened and mentored by investment and energy experts.

The businesses mentored by CTI PFAN partners implement projects that will yield significant reductions in fossil fuel use and associated GHG emissions along with a range of development benefits. By becoming involved, CTI PFAN's private-sector members work towards fulfilling their own companies' corporate social responsibility (CSR) goals and environmental mandates. For more information on CTI PFAN Membership, please go to [www.cti-pfan.net](http://www.cti-pfan.net).

## CTI PFAN Funding Partners



CTI PFAN activities are funded by the CTI and other funding partners including the United States Agency for International Development (USAID), the Renewable Energy & Energy Efficiency Partnership (REEEP), the Asian Development Bank's Energy for All Program (ADB E4A), the Energy and Climate Partnership of the Americas (ECPA) and the International Center for Environmental Technology Transfer (ICETT).

The **Climate Technology Initiative (CTI)** is a multilateral initiative, currently functioning as an implementing agreement under the International Energy Agency, bringing together Australia, Austria, Canada, Finland, Germany, Japan, Norway, the Republic of Korea, Sweden, the United Kingdom and the United States. CTI fosters international cooperation in the accelerated development and diffusion of climate-friendly and environmentally sound technologies and practices. [www.climatetech.net](http://www.climatetech.net)

The **United States Agency for International Development (USAID)** promotes long-term and equitable economic growth by supporting economic growth, agriculture and trade, including sustainable energy initiatives; global health; and democracy, conflict prevention and humanitarian assistance. USAID supports CTI PFAN through its Bureau for Economic Growth, Education and the Environment (E3) in Washington, DC, as well as its Regional Development Mission for Asia (RDMA) based in Bangkok, Thailand. RDMA acts as the Regional Coordinator for CTI PFAN in Asia. [www.usaid.gov](http://www.usaid.gov)

The **Renewable Energy and Energy Efficiency Partnership (REEEP)** is an international multi-stakeholder partnership which aims to accelerate the market for renewable energy and energy efficiency. REEEP is a non-profit, specialist change agent, with a primary focus on emerging markets and developing countries. REEEP provides funding support for CTI PFAN activities in South Africa. [www.reeep.org](http://www.reeep.org) ; [www.reeegle.org](http://www.reeegle.org)

The **Asian Development Bank (ADB)** established the **Energy for All Program** to respond to the growing challenge of energy poverty in Asia and the Pacific. Its objective is to provide modern energy access to 100 million people by 2015. This is achieved by incorporating energy access and economic development components in the projects being implemented by the ADB Operations Department in ADB-member countries. ADB provides funding support for CTI PFAN activities in Asia. [www.adb.org/sectors/energy/programs/energy-for-all-initiative](http://www.adb.org/sectors/energy/programs/energy-for-all-initiative) ; [www.energyforall.info](http://www.energyforall.info)

The **Energy and Climate Partnership of the Americas (ECPA)** brings countries from across the Western Hemisphere together to accelerate clean energy development and deployment, advance energy security, and reduce energy poverty by sharing best practices, encouraging investment, and cooperating on technology research, development, and deployment. [www.ecpamericas.org](http://www.ecpamericas.org)

The **International Center for Environmental Technology Transfer (ICETT)**, established in 1990 by Mie prefecture and Yokkaichi City with the active support of the Japanese national government, industries and academic circles, is contributing to international environmental conservation efforts by transferring Japan's accumulated technological and administrative know-how and experiences to developing countries. ICETT is the CTI secretariat and provides administrative support to CTI PFAN globally. [www.icett.or.jp/english/index.html](http://www.icett.or.jp/english/index.html)

CTI PFAN funding partners:

