



CTCN

CLIMATE TECHNOLOGY CENTRE & NETWORK
UNFCCC Technology Mechanism

Financing of green climate solutions: sustainable and impact investment

Ami Woo, CTCN

Sonja Kotin-Förster, NDE Germany Implementing Office

Regina Karakina, NDE Germany Implementing Office

Frank Ackermann, SDG Investments GmbH

Laurent Caillierez, NDE France/ADEME

Cécile Carlier, Investisseurs & Partenaires (I&P)



The Climate Technology Centre and Network

Organisation

- Operational arm of the UNFCCC Technology Mechanism
- Consortium of organizations from all regions + Network

Mission and scope

- Mission to stimulate technology cooperation and enhance the development and deployment of technologies in developing countries
- Technologies include any equipment, technique, knowledge and skill needed for reducing greenhouse gas emissions and for adapting to climate change effects

Core services

- Technical assistance to developing countries
- Knowledge platform on climate technologies
- Capacity building and support to collaboration and partnerships



CTCN Technical Assistance

Country-driven

- Any organization from developing countries can express need
- Request endorsed and submitted by the NDE

Fast and easy access to assistance

- User-friendly access: 4-pages submission, in all UN languages
- Appraisal of request within 1-2 weeks and response design within 2-12 weeks

CTCN selects and contracts relevant experts

- Assistance provided through Consortium and Network (value up to 250,000 US\$)
- Collaboration with financial organizations to trigger funding

Support to remove barriers to technology transfer (financial, technical, institutional)

- ✓ Identification of needs and prioritization of technology, depending on country context
- ✓ Technical recommendation for design and implementation of technology
- ✓ Feasibility analysis of deploying specific technologies
- ✓ Support to scale up use and identify funding for specific technologies
- ✓ Support legal and policy frameworks



ADAPTATION FUND



GREEN
CLIMATE
FUND



Asian Development Bank



THE
WORLD
BANK



IDB



BANQUE AFRICAINE DE DEVELOPPEMENT



EPFAN
CTI PRIVATE FINANCING ADVISORY NETWORK



BOAD
BANQUE OUEST AFRICAINE
DE DEVELOPPEMENT

Networking and Collaboration

Join our network! Easy and free of cost.

Access commercial opportunities: respond to competitive bidding for delivery of CTCN technical assistance services

Create connection: network with national decision makers and other network members to expand your partnership opportunities and learn about emerging areas of practice

Increase visibility: broaden your organization or company's global reach, including within UNFCCC framework

Exchange knowledge: keep updated on the latest information and share via the CTCN's online technology portal

Examples of collaboration

- Co-host climate related events
- Twinning arrangements with research institutions
- Engage in new technology projects



How to use the webinar platform

To listen to the webinar (select audio mode):

1. Listen through your computer: Please select the “mic and speakers” radio button on the right hand audio pane display
2. Listen by telephone: Please select the “telephone” option in the right-hand display, and a phone number and PIN will display.

To ask a question

Select the “questions” pane on your screen and type in your questions, at any time during the presentation

If any technical difficulty

Contact the GoToWebinars Help Desk: 888.259.3826

The presentations will be made available after the webinar

NDE (National Designated Entity) Germany Implementing Office



- **National Contact Point for climate technology transfer within the UNFCCC**
- **Acting on behalf of the Federal Ministry for Economic Affairs and Energy since 2016**



Contact Point for Technology “Made in Germany”

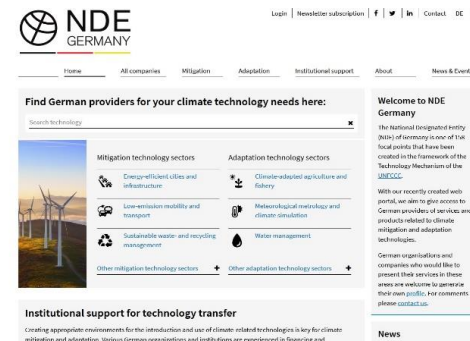
Support and
collaboration with the
UNFCCC
Technology
Mechanism:
CTCN, TEC, COP



Webportal and social
media:
www.nde-germany.de



Participation in and
organisation of
technology
matchmaking:
Germany and
worldwide



Examples

Cooperation with CTCN and other Annex-I NDEs:

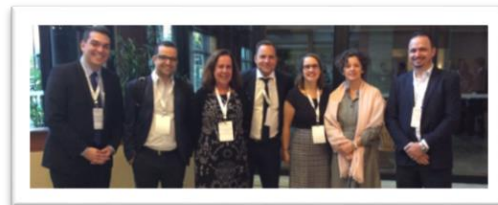
- CTCN regional forum for NDEs in Africa, present of technology best practices
- Webinar series with CTCN and NDE France

Bilateral workshops upon request of partner non-Annex I NDEs involving business and industry, research and development, government and finance:

- Brazil 2017 on E-Mobility
- Indonesia 2018 on Climate-Friendly City Solutions and Financing

Support of climate tech providers in finding the right partners:

- Integrated agricultural value chain with off-grid power supply in East Africa
- Medium-sized wind power plants in Viet Nam
- Solid waste processing plants in Indonesia etc.



Climate finance – the missing piece of the puzzle



Global commitments



- 2009 Copenhagen Goal: 100 bln USD for adaptation and mitigation from public and private finance from 2020
- Goal confirmed 2015 Paris
- New goal (before 2025) should go beyond 100 bln USD

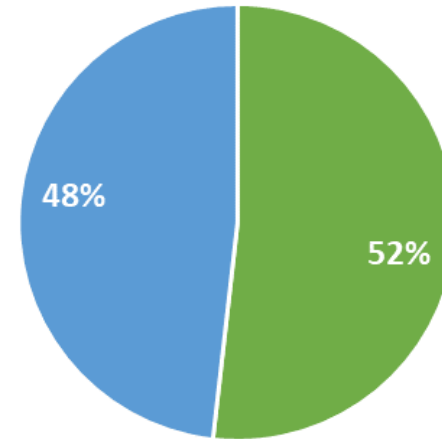
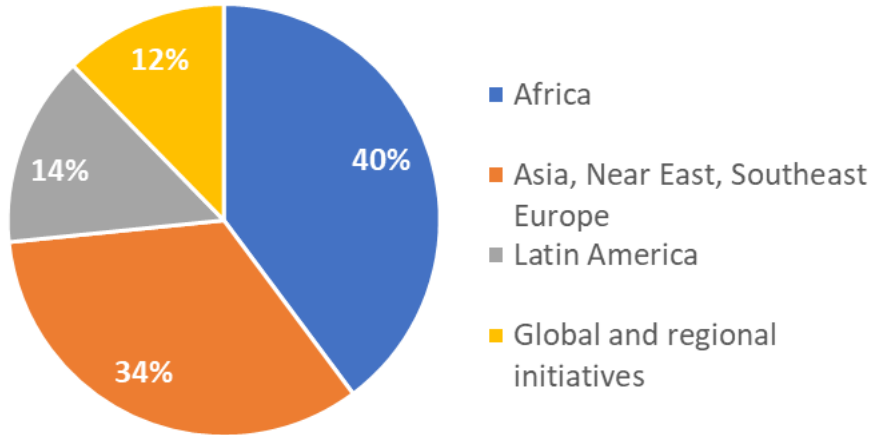
Germany



- 3.65 bln EUR for climate finance in 2017 from public funds
- Until 2020 – goal of 4 bln EUR
- Additional commitments of 3.08 bln EUR from KfW Development Bank and DEG (German Investment Corporation)
- Mobilization of private funds – ca. 500 mln EUR
- Total climate finance in 2017 - 7.23 bln EUR

Source: <http://www.bmz.de/de/themen/klimaschutz/klimafinanzierung/index.html>

Climate finance overview: Germany 2017



■ Mitigation ■ Adaptation

Source: <http://www.bmz.de/de/themen/klimaschutz/klimafinanzierung/index.html>

Climate Finance Opportunities from Germany

Programmes/Initiatives:

- International Climate Initiative (IKI)
- develoPPP.de
- Export Initiatives - Environmental Technologies of the BMU, German Energy Solutions of the BMWi
- Client II (BMBF)
- NDC Partnership (global)

Banks:

- KfW, DEG, others

Impact/sustainable private investment:

- SDG Investments GmbH

...come back to us for more information!

Contact us

Regina Karakina

Sonja Kotin-Förster

Claudia Becker

Dietram Oppelt

www.nde-germany.de

info@nde-germany.de

LinkedIn: <https://www.linkedin.com/company/nde-germany/>

Twitter: https://twitter.com/NDE_Germany

Facebook: <https://www.facebook.com/NDEGermany/>

Feel free to subscribe to our newsletter:

<https://www.nde-germany.de/en/newsletter-subscription/>



INVESTMENT MATCHING PLATFORM

for the
United Nations
Sustainable Development Goals

Frank Ackermann
Co-founder and Managing Director of SDG INVESTMENTS GmbH



- 1. Why we need a matching platform**
2. The market: SDGs and private investments
3. Who we are
4. Project examples
5. How it works

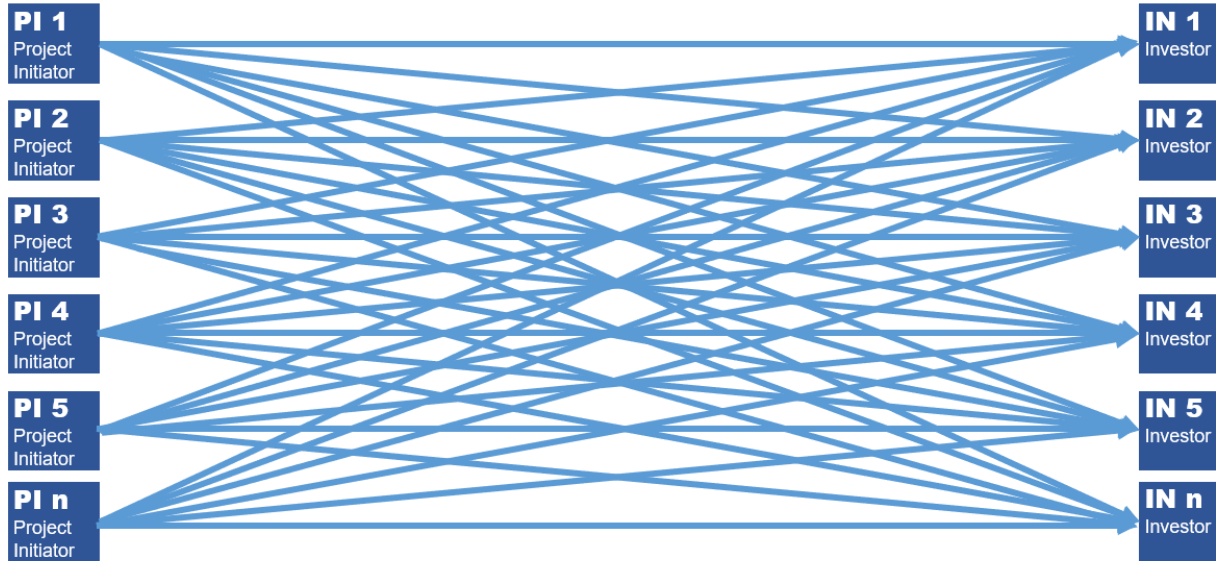
Institutional investors implement SDG investment strategies

Over the next 15 years, annually \$ 2.5 trillion will have to be spent by the private sector to achieve the United Nations Sustainable Development Goals (SDG).



One-on-One Distribution / Fundraising

Without a clearing platform, project initiators / product providers and investors can only find each other by individual addresses. This process is laborious, inefficient and leaves much to change.



Our platform optimizes the fundraising / placement process

The integration of both sustainable projects / financial products and investors on one platform creates transparency and optimizes the investment process.



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK



1. Why we need an matching platform
- 2. The market: SDGs and private investments**
3. Who we are
4. Project examples
5. How it works

This is what one of the largest pension funds in the world says:

The 357 billion USD Californian CalPERS Pension fund focuses on the 17 SDGs:

22.02.2018

CalPERS' chief investment officer: the SDGs are a "gift to investors."

California public employees' pension fund, CalPERS, the \$357 billion pension fund for California public employees, has announced that it will focus its investments on the 17 Sustainable Development Goals (SDGs). The fund's chief investment officer, David C. Culp, said that the SDGs are a "gift to investors" because they provide a framework for identifying and managing risks and opportunities. He also said that the fund is currently reviewing its investment strategy to ensure it is aligned with the SDGs.

Calling the SDGs a "gift to investors," Culp said that his staff are currently reviewing the fund's investment strategy to ensure it is aligned with the SDGs. He also said that the fund is currently reviewing its investment strategy to ensure it is aligned with the SDGs. The fund is currently reviewing its investment strategy to ensure it is aligned with the SDGs.

The SDGs can also improve returns. Already some of the SDGs represent approximately USD 12 trillion opportunities per year.

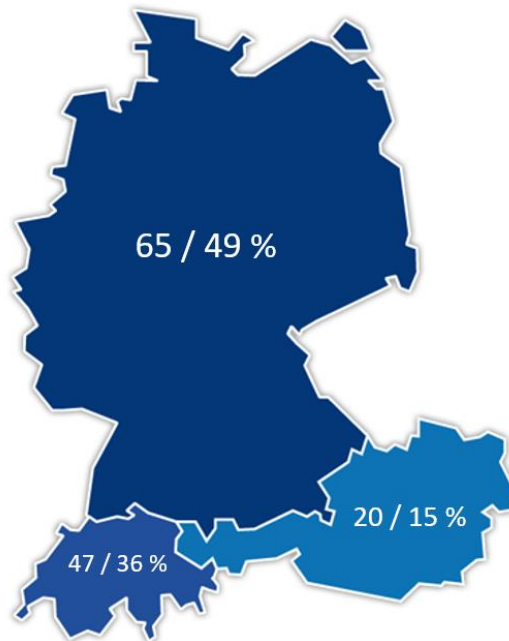


CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

132 insurance companies and pension funds in the D-A-CH region

TYPE	NUMBER
German Insurance Companies	40
German Pension Funds	25
Austrian Insurance Companies	10
Austrian Pension Funds	10
Swiss Insurance Companies	24
Swiss Pension Funds	23
BY SECTOR	
Insurance Companies	74
Pension Funds	58
BY COUNTRY	
Germany	65
Austria	20
<u>Switzerland</u>	47

+ Family Offices, Foundations, Asset Managers
and specialized financial institutions





1. Why we need an matching platform?
2. The market: SDGs and private investments
- 3. Who we are**
4. Project examples
5. How it works

Professional team with a wide track record



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

**Björn Schuck**

Consultant

CV

Managing Director of Frankfurt School Financial Services GmbH and managing microfinance funds

Lars Hunsche

Co-founder / Managing Director

CV

Managing Director of Moody's Analytics Deutschland GmbH with stops in London and San Francisco

Bettina Gereth

Co-founder

CV

More than 20 years experience in various positions at leading banks in acquisition And project finance and private equity.

Frank Ackermann

Co-founder / Managing Director

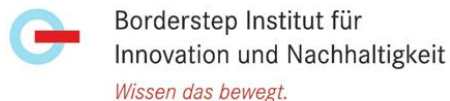
CV

Head of Credit Structuring and Marketing at investment banks in London and Frankfurt

A SELECTION OF OUR PARTNERS AND CUSTOMERS



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK





1. Why we need an matching platform?
2. The market: SDGs and private investments
3. Who we are
- 4. Project examples**
5. How it works



MOST OF OUR PLATFORM PROJECTS ARE CLIMATE RELATED

11 projects with a total of EUR 136 million on the platform (examples)

10

AFRICA GREENTEC – SOLAR CONTAINER FOR MALI

EUR 10 mn annuity bond

20

HYLEA - BRAZIL NUT PRODUCTION IN BOLIVIA

EUR 20 mn bond

40

DEUTSCHE LICHMIETE - INDUSTRIAL LED LIGHTING

EUR 30 + 10 mn bond



CURRENTLY INVESTABLE:
AGT SOLARTAINER® BOND MALI | 6.5% 2017/2027



Electricity for 20,000 households
Mobile Solartainer® for Africa





CURRENTLY INVESTABLE:
BRAZIL NUT PRODUCTION – BOND 7,25% 2017 / 2022





CURRENTLY INVESTABLE:
SUSTAINABLE INDUSTRIAL LED LIGHTING - BOND 5,75%



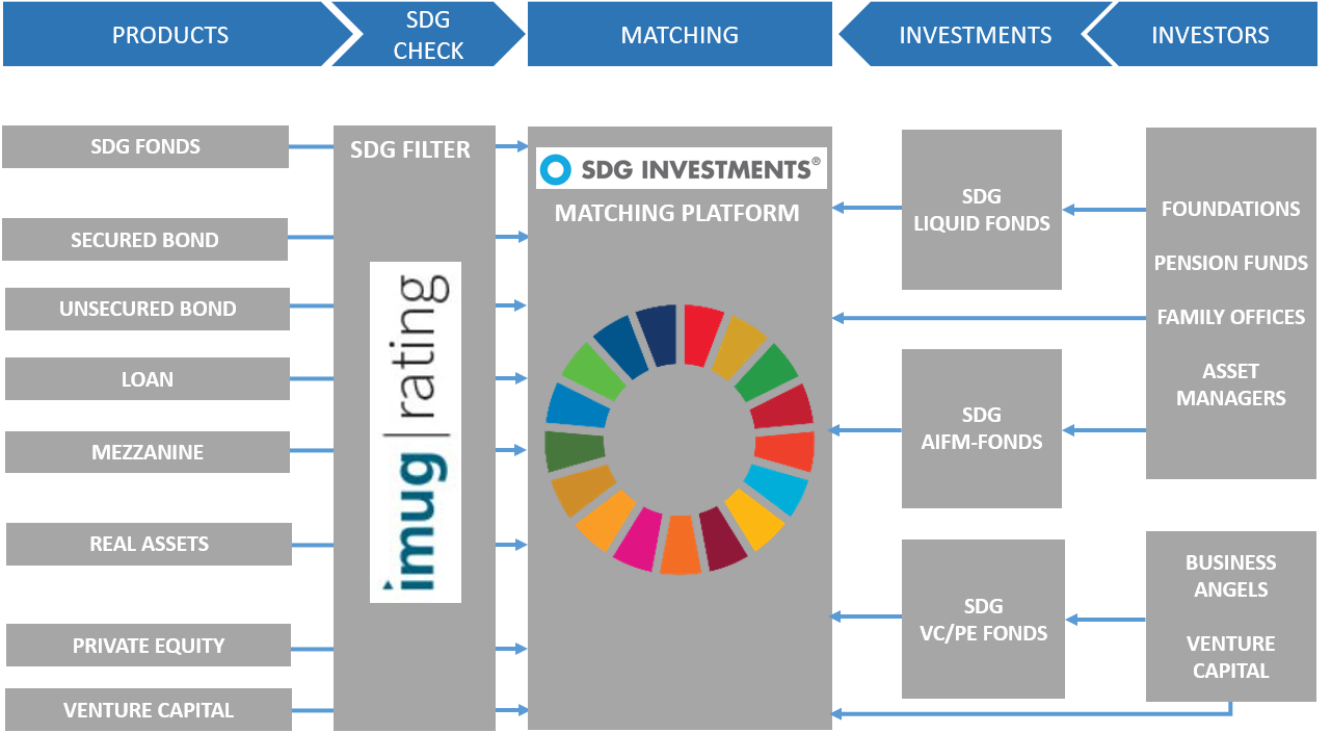


MORE EXAMPLES AVAILABLE ON THE LIVE PLATFORM

<https://sdg-investments.com/en/projects/project-overview/>



1. Why we need an matching platform?
2. The market: SDGs and private investments
3. Who we are
4. Project examples
5. How it works





DEVELOPMENT PROSPECTS

Expansion and expansion of process digitization

ROLLOUT EUROPA

THIRD COUNTRIES

FINANCIAL PRODUCTS:
STANDARDIZED PROCESSES
THROUGH SMART CONTRACTS

INVESTORS:
DIGITIZATION OF INVESTMENT
PROCESSES

Block chain technology

Smart Contracts



SECONDARY
MARKET



We Get The Stone Rolling....



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

 **SDG INVESTMENTS®**

THE MATCHING PLATFORM
FOR PROJECTS AND INVESTORS,
ADDRESSING THE SUSTAINABLE DEVELOPMENT GOALS OF
THE UNITED NATIONS

Hochstraße 29
60313 Frankfurt am Main
+49 69 247 519 686
info@sdg-investments.com

www.sdg-investments.com

ADEME is the French Environment and Energy Management Agency

Main activities carried out as Nationally Designated Entity :

Mobilization of French players within the CTCN network

- 18 French organizations participating in the CTCN Network : companies (consulting firms and technology providers), NGO's, research bodies.

Work with CTCN to answer the needs expressed by developing countries in relation with French stakeholders

- Contact point to identify French solutions providers notably through Club ADEME International
- CTCN webinars in 2018-2019 in cooperation with German NDE : focus on financing opportunities
- Matchmaking between needs and solutions: e.g. CTCN event organized on the Pollutec fair in December 2018...

Contact point: Laurent CAILLIEREZ

nde.france@ademe.fr

CTCN network members from France





What is Impact Investment ? Bringing solutions for Climate investment ?



Introduction to Impact Investment

1

Definition of the Impact Investment

2

Overview of Impact Investment figures

3

Impact Investment and SDGs

4

Financing climate solutions?

Introduction to Impact Investment

1

Definition of the Impact Investment

2

Overview of Impact Investment figures

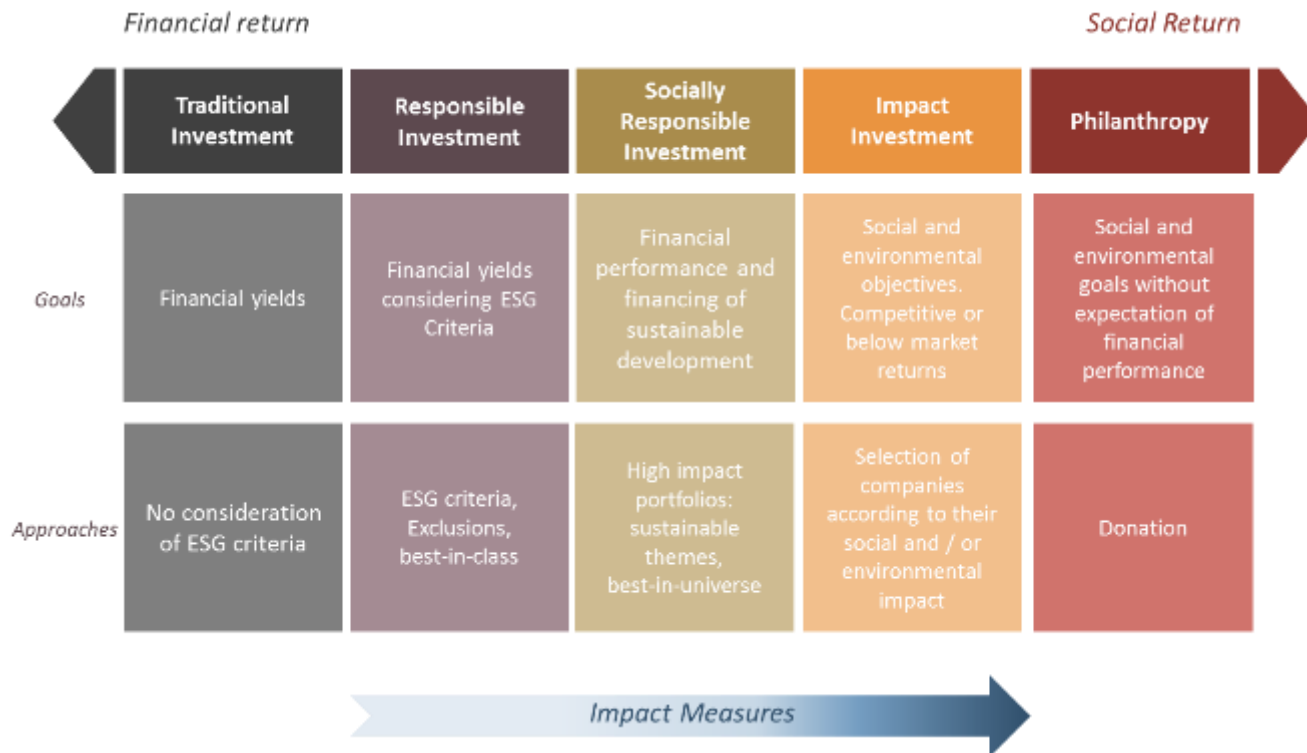
3

Impact Investment and SDGs

4

Financing climate solutions?

Different ways to approach impact

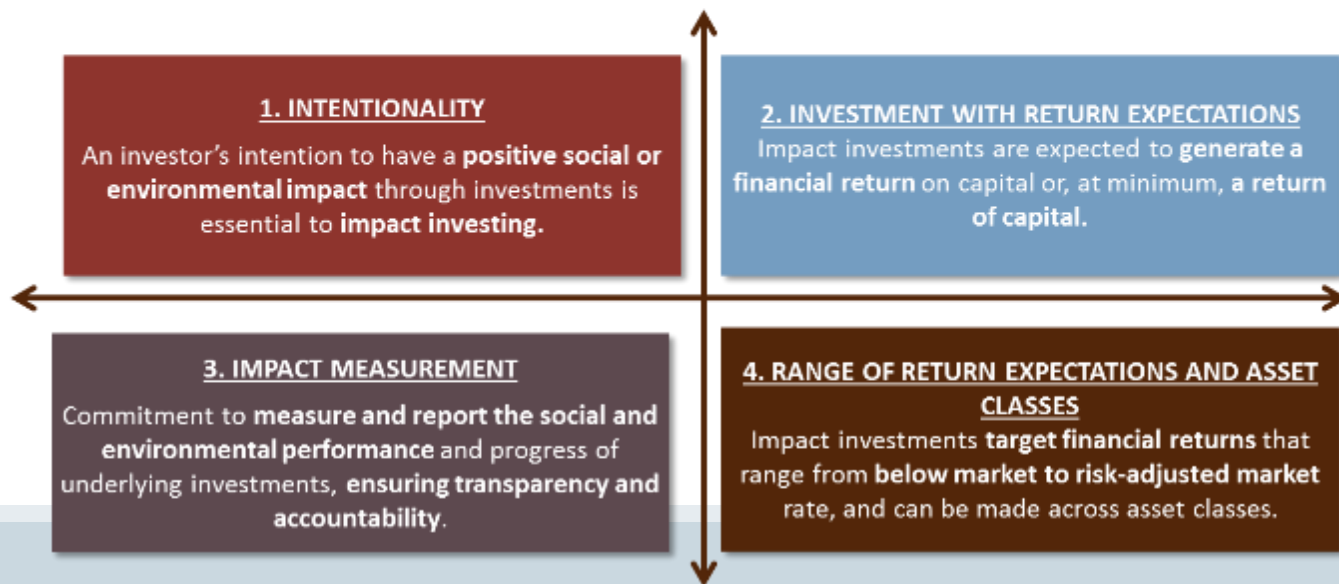


How to define Impact Investments?



Impact investments are investments made into companies, organizations, and funds with the intention to generate social and environmental impact alongside a financial return.(GIIN)

The GIIN (Global Impact Investing Network) defines impact investments by the following four core characteristics:



Anglo-Saxon pioneers of impact investing



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK



- The Rockefeller Foundation is a private foundation founded by John Davison Rockefeller and Frederick T. Gates. Its mission—unchanged since its beginning in 1913—is to promote the well-being of humanity throughout the world.
- Operating all over the world, It strives to catalyze and scale transformative innovations.
- The Rockefeller Foundation played a central role in the development of the sector since it invented the term "impact investment" in 2007 to name various social investment methodologies developed and used, for some of them, for several decades.
- Since then, the foundation has worked to develop the sector by supporting the construction of networks (GIIN, B Lab, GIIRS). More than \$ 50 million has been invested to build the impact investment market.



- Acumen was incorporated on April 1, 2001, with seed capital from the Rockefeller Foundation, Cisco Systems Foundation and three individual philanthropists.
- Acumen CEO and Founder Jacqueline Novogratz's , helps to open Rwanda's first microfinance institution in 1986, that inspired her to write the bestseller, The Blue Sweater: Bridging the Gap between Rich and Poor, and create Acumen.
- For Acumen, patient capital is a new approach to solving poverty. Its typical commitments range from \$300,000 to \$2,500,000 in equity or debt with payback or exit in roughly seven to ten years.



Main networks and initiatives



- The **Global Impact Investing Network (GIIN)**, a non-profit organization, is dedicated to increasing scale and effectiveness of impact investing around the world.
- Created in 2007 on the initiative of the Rockefeller Foundation when it brought together a small group of investors to discuss the **needs of the impact investing sector**.
- The GIIN by convening impact investors to **facilitate knowledge exchange, highlighting innovative investment approaches, building the evidence base** for the industry, and producing valuable tools and resources seeks to accelerate the industry's development.
- Key Document : « *Annual Impact Investor Survey* »



- Since its **launch in 2004**, EVPA have been building a community of organisations interested in or practising **venture philanthropy (VP) and social investment (SI)** across Europe.
- EVPA is a broad and diverse community; venture philanthropy funds, social investors, grantmaking foundations, impact investing funds, private equity firms, etc.
- Key Document : « *Guide Pratique pour la Mesure et la Gestion de l'Impact* »

Introduction to Impact Investment

1

Definition of the Impact Investment

2

Overview of Impact Investment figures

3

Impact Investment and SDGs

4

Financing climate solutions ?



Who are the Impact Investors?

The "typical" impact investor is ...

North based

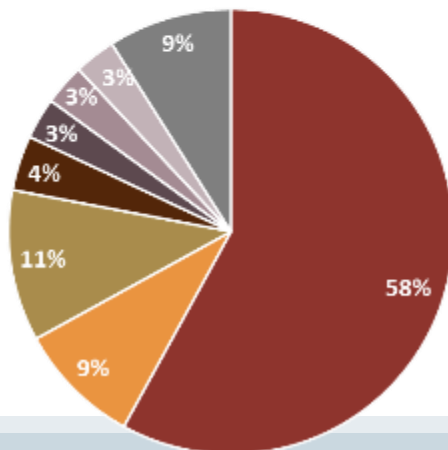
82% of impact investors are based in **developed countries** (around 46% in the United States and Canada and 32% in Western Europe). **Only 7%** have their headquarters in **Sub-Saharan Africa**.

Relatively recent

57% of impact investors have **started operations in the last 10 years**. The sector has been around for decades but has **developed** itself recently.

Fund Managers

67% of impact investors are **fund managers**.



Organization type by number of impact investors

- Fund Manager: for-profit
- Fund Manager: not-for-profit
- Foundation
- Bank / Diversified financial institution
- Development finance institution (DFI)
- Family office
- Pension Fund / insurance company
- Others

Global overview of Impact Investing in the world



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

North America

Share of Total AUM : 33%
Planned to increase allocation : 14%

Western Europe

Share of Total AUM : 9%
Planned to increase allocation : 11%

Eastern Europe and Central Asia

Share of Total AUM : 8%
Planned to increase allocation : 5%

MENA

Share of Total AUM : 2%
Planned to increase allocation : 13%

East and South East Asia

Share of Total AUM : 7%
Planned to increase allocation : 25%

South Asia

Share of Total AUM : 6%
Planned to increase allocation : 17%

Latin America

Share of Total AUM : 12%
Planned to increase allocation : 25%

Sub-Saharan Africa

Share of Total AUM : 12%
Planned to increase allocation : 33%

Oceania

Share of Total AUM : 3%
Planned to increase allocation : 2%

Introduction to Impact Investment

1

Definition of the Impact Investment

2

Overview of Impact Investment figures

3

Impact Investment and SDGs

4

Financing Climate Solutions

Private sector's contribution is essential to achieve the SDGs



Financing the SDGs

- Current investment levels leave a **gap estimated at \$2.5 trillion** in developing countries in key SDG sectors.

\$ 2.5 trillion

- This represents **only 3% of global GDP**, 14% of global annual savings, or **1.1% of the value of global financial markets** (Sachs, 2014).



3% of global GDP

- Unlike the MDGs, the SDGs explicitly invite all businesses to **use their creativity and innovation to meet the challenges** of sustainable development. They recognize the **key role that businesses can and must play in achieving them**.

Source : UNCTAD, World Investment Report 2014

Impact investors can be at the forefront for addressing these challenges



Commitment to address social impacts before financial returns,

Finance sectors such as financial inclusion, renewable energy and rural development,

Respond to unsatisfied local demand,

Can provide models to better leverage existing capital by producing greater social impact in line with the SDGs,

Make a more significant contribution to additionality.

Impact investors are ready to take up the challenge!



26%

Impact investors reported that they actively track the performance of some or all of their investments with regard to the SDGs (GIIN, 2017).

This proportion rises to 37% concerning funds involved in developing countries.

Finally, another third of impact investors plan to do so soon.



1

Definition of the Impact Investment

2

Overview of Impact Investment figures

3

Impact Investment and SDGs

4

Financing climate solutions

VARIOUS SECTORS OF IMPACT INVESTING

- 1** FOOD AND AGRICULTURE
- 2** FINANCING SME
- 3** ENERGIES ACCESS
- 4** ENVIRONNEMENTAL ISSUE
- 5** LOW INCOME SERVICES



FOOD & AGRICULTURE



GOAL :

- Empower smallholder farmers and rural communities
- Restore ecosystems and contribute to climate action
- Create value across agricultural supply chains

IMPACTS EXAMPLES:

- Soil Fertility
- Biodiversity
- Water Resources
- Food Security
- Poverty Reduction



1 2 3 4 5
SINCE 2008



LIVELIHOODS

Act today for a better future



DANONE

GEOGRAPHIC AREA : AFRICA, ASIA, LATIN AMERICA

Already 1 million people impacted



2 FUNDS REPRESENTING € 160 MILLION

Livelihoods Carbon Funds	Livelihoods Fund for Family Farming
1 million people impacted 130 million trees planted 10 million Tons of CO ₂ to be sequestered 40 million € Invested in 9 projects	2 million People to be impacted 200,000 farms To be converted to sustainable agriculture 120 million € To be invested

SUPPORTED BY :

- Private :** 12 major companies (Danone, Schneider Electric, Crédit Agricole S.A, Michelin, Hermès, SAP, Groupe Caisse des Dépôts...)
- Institutional :** (World Agroforestry Centre, IUCN...)
- NGOs :** (Yagasu, Naandi, Fundaeco.....)



TARGET : Rural communities, Society
1 million People Impacted,



METHOD: Large-projects, coalitions between private / public sector / NGOs, long term commitment, results-based approach



IMPACT : Food Security, Water Nature Conservation, CO₂ Sequestration, Mutual Value Creation



LIVELIHOODS

Act today for a better future



ONE FUND, ONE REPRESENTATIVE EXAMPLE

Mangrove Restoration Project	Resilient Supply Chain Project
<p>Livelihoods Carbon Funds</p> <p>Deployed in 3 countries :</p> <ul style="list-style-type: none"> India, Indonesia, Senegal <p>Keys figures :</p> <ul style="list-style-type: none"> 113 million trees planted 12 920 hectares restored 3 200 000 tons of CO2 to be sequestered over 20 years <p>Partners : Fonds Français pour l'Environnement Mondial + Oceanium (Senegal)+ Yagasu (Indonesia) + News (India)</p> <p>Impacts & Benefit :</p> <ul style="list-style-type: none"> Increase of food supply safety of the local population Empowerment of the local women 	<p>Livelihoods Fund for Family Farming</p> <p>Country :</p> <ul style="list-style-type: none"> Madagascar (Vanilla supply chain with farmers) <p>Objectives :</p> <ul style="list-style-type: none"> x3 revenues for farmers 3000 family farms involved 6000 hectares under sustainable farming practices <p>Partners : NGO Fanamby, Danone, Firmenich, Mars, Prova</p> <p>Impacts & Benefit :</p> <ul style="list-style-type: none"> For farmers (revenues, food security) Project offtakers : quality fully traceable vanilla Institutional players : sustainable agricultural practices , biodiversity preservation

FINANCING SME

1 2 3 4 5

IMPACTS :

- Create sustainable employment
- Improve access to essential goods and services
- Build and structure local economic fabrics
- Contribute to political stability and social redistribution

Enables
**INNOVATION &
ENVIRONMENTAL**
policies among
SMEs





INVESTISSEURS & PARTENAIRES

SINCE 2002

30 COMMITTED FRANCO-AFRICAN STAFF

- A team of 50 professionals
- 6 African offices
- 5 African funds managed by local teams.
- 1 training and advisory branch



4 FUNDS REPRESENTING € 125,3 MILLION

I&P DÉVELOPPEMENT 1

A €11 million fund created in 2002

33 investments and now in the process of divesting, with 12 exits and 10 more to come.

I&P DÉVELOPPEMENT 2

A sponsor of African impact funds, with 3 funds now operational in Niger, Burkina Faso and Senegal.

1st closing in 2015 at €10 million

I&P AFRIQUE ENTREPRENEURS

A €54 million fund closed in 2012

29 investments between €300,000 and €1.5 million

I&P AFRIQUE ENTREPRENEURS 2

1st closing at €50,3 million in December 2017

Target € 80 million

SUPPORTED BY 50 INVESTORS

- **Institutional and DFIs** (African Bank of Development, PROPARCO, European Investment Bank...)
- **Private** (Danone, CFAO, BRED...)
- **Individual investors and Foundations** (Argidius, Small Foundation, Caritas...)

70 COMPANIES IN PORTFOLIO

- **Located in 15 African countries:** Senegal, Mauritania, Mali, Niger, Côte d'Ivoire, Benin, Burkina Faso, Cameroon, Uganda, Namibia, Madagascar, DRC, Comoros, Gabon and Ghana
- **Operating in diversified sectors :** agro-industry, health, building materials, IT, education, renewable energy, etc.

Aquaculture in Madagascar

The example of IOT aquaculture in Madagascar

Indian Ocean Trepang (IOT) is an SME specializing in industrial sea cucumber aquaculture. It associates isolated fishing villages with its activity, enabling it to create additional income for them and thus fighting against overfishing and the extinction of marine fauna.

IOT is an innovative company, committed to protecting the environment and bringing sustainable development to southern Madagascar.

Its activity is therefore the first industrial aquaculture of sea cucumbers based on a new breeding technology developed in Madagascar by a scientific team.

After a phase of pond growth, one third of the juvenile animals are transferred to fishermen in isolated villages, following their growth in the lagoons and selling them at a good price to IOT once they have reached maturity. Sea cucumbers are then dried and exported internationally (particularly to China, where demand is high).

- **Cooperation between the private sector, a research centre and NGOs for a high environmental impact.** <https://www.youtube.com/watch?v=l3F3ippOip0&feature=youtu.be>

ENERGY ACCESS



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

1 2 3 4 5

IMPACTS:

- On environment: reduction of CO2
- On health :reduction of pollution
- On Income : extend productive hours
- On education : raise average study hours
- On household Spending : alleviate costs



1 2 3 4 5

SINCE 2013



INCREASE ENERGY ACCESS IN SUB-SAHARAN AFRICA



PRESENTATION

The **Energy Access Fund** (the “Fund”) is an impact investment fund being formed on the **Initiative of Schneider Electric** (the “Sponsor”) to invest in **access to electricity for rural or suburban** populations in Base of the Pyramid (“BoP”) markets.

The Sponsor is a world leader in power management systems and “access to energy” is a key building block of its corporate sustainability strategy.

BIPBOP PROGRAMME

The **BipBop programme** (**Business, Innovation & People at the Base of the Pyramid**) launched in 2008.

- **Business:** sponsoring investment funds to support companies dedicated to electricity access;
- **Innovation:** assembling of two full-time Research & Development teams
- **People:** launch of training and education programmes financed by the Sponsor in developing countries where the lack of educated professionals in power management systems is acknowledged as a limiting factor for the development of reliable access to energy.

SUPPORTED BY :

- **Institutional and DFIs** (PROPARCO, European Investment Bank, OPEC fund for development, French Facility for Global Environment, ...)
- **Private :** Schneider Electric

Target: Rural and peri-urban communities, low-income populations and farmers in Sub-Saharan Africa

Method : 360° technical assistant in partnership with **Schneider Electricity**, only focusing on the access to energy market

Impact : Access to energy, **Increase food safety** with a better management of the **cold chain**, **reduce deforestation**, **reduce toxic air contaminants** and, more than **1 million people impacted**

ENERGY ACCESS



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK



PEG Africa

Year Founded: 2013 –

Sector: Renewable Energy – # employees: 179

EAV's \$2 million investment

GHANA

BUSINESS

PEG Africa is a young company which aims to bring off-grid solar energy access to rural and peri-urban communities in West Africa by providing pay-as-you-go (PAYG) solar home systems to rural and remote customers.

The company has secured a licensing partnership with M-KOPA, the leading company in PAYG solar technology in Africa.

Serving customers in GHANA and IVORY COAST

INVESTISSORS

I&P, ENGIE, BLUEHAVEN INITIATIVE,
EAV, PERSISTENT ENERGY CAPITAL,
KFW, SUNFUNDER,
RESPONSABILITY, OIKO CREDIT

PARTNERS

M-KOPA SOLAR, MTN mobile money,
Airtel, OPIC, Nixon, Ecobank, CGAP,
Tigocash..

IMPACTS

- Affordable Energy
- Healthier Families
- More time for Learning
- Financial Inclusion
- Asset Ownership and Savings

PEG Ghana Solar 2015 B Impact Report

Certified



Corporate

Overall B Score

Company
Score

115

Median
Score*

55

CO FINANCED WITH I&P

THANK YOU



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK



Your Speaker

Cécile CARLIER

Director I&P Conseil

Investisseurs & Partenaires (I&P)

9, rue Notre Dame des Victoires, 75002

PARIS

+ 33 1 58 18 57 10

www.ietp.com

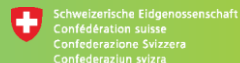


CTCN

CLIMATE TECHNOLOGY CENTRE & NETWORK
UNFCCC Technology Mechanism



Norwegian Ministry
of Foreign Affairs



Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO



Supported by:



on the basis of a decision
by the German Bundestag



MINISTERO DELL'AMBIENTE
ED ELA TUTELA DEL TERRITORIO E DEL MARE



MINISTRY FOR FOREIGN
AFFAIRS OF FINLAND



Comhahool, Pobel agus Rialtas Áitiúil
Environment, Community and Local Government



Government Offices of Sweden
Ministry of the Environment and Energy

Thank you



UNFCCC_CTCN

www.ctc-n.org



UNFCCC.CTCN

ctcn@unep.org

a.woo@unido.org
sonja.kotin.foerster@nde-germany.de
regina.karakina@nde-germany.de
frank.ackermann@sdg-investments.com
laurent.caillierez@ademe.fr
c.carlier@ietp.com

