

responsAbility

Impact for Climate

Because climate-friendly investing is at
the core of sustainable development

IMPACT REPORT 2019



**“We cannot solve
a crisis without
treating it as
a crisis.”**

Greta Thunberg, next generation leader,
coined the term “climate crisis”

The developing world is the key battleground

Investing in our future used to mean our financial future. Now, it means the future of our planet and the future of our species. Without radical change, the world in 2050 will be disastrously different from today.

A colossal, catastrophic crisis from climate change is imminent, with the threat beyond the scope and scale of anything seen since the height of the Cold War. The difference is that then inaction saved us – now inaction could very well doom us.

This year we have, therefore, decided to focus on how all our investments are part of the fight against the impending climate crisis.

THE CLIMATE EMERGENCY IS REAL

- > Emissions need to be halved by 2030, and we need to be net zero emissions by 2050, in order to limit global warming to 1.5 degrees Celsius.
- > 1.7 bn more people will be exposed to regular, extreme heatwaves under 2 degrees Celsius, compared to 1.5.

At the same time, the world urgently needs to address the need for development. As it stands, hundreds of millions of people do not have access to healthcare, energy, nutrition, finance, education and a host of other areas essential to quality of life. We must resolve both problems – at the same time.

NEED FOR DEVELOPMENT IS REAL

- > 730 m people live in extreme poverty.
- > 840 m people do not have access to electricity.
- > 1.7 bn adults do not have access to finance.

However, while some paths to development are climate neutral (or even climate positive), some could lead to a major increase in emissions. For example, in 2017, 94% of the increase in electricity generation came from the developing world. Meeting that demand with fossil fuels will hurt all of us. As unfair as it sounds, the developing world needs to do what the developed world did not – develop sustainably. At the same time, while the consequences will be felt by all of us, those most vulnerable to the effects of climate change will be low-income households in the developing world.

We must, therefore, bridge the investment gap in the developing world. Part of the challenge of investing in these regions is the different context, in terms of regulation and infrastructure. Although there are investment solutions that address this, a key difference is the amount of investment available. In general, investment flows to the developing world are a tiny part of the total. If we are to prevent a global climate crisis, we need creative investment solutions that will catalyse private investment and address the funding gap for sustainable solutions in the developing world.

Climate change targets have been set for 2030 and 2050 for a reason – our environment is changing rapidly and, without immediate action, irrevocably. Unless we respond now, this is a crisis that most of us will live to see unfold, and where our children – not our grandchildren or great-grandchildren – will have to face the consequences.<

*Paul Hailey, Head of Impact at
responsAbility Investments AG*

1.5°

In order to limit global warming to 1.5 degrees, we need to halve emissions by 2030, and be net zero by 2050.

1.2_{bn}

is the foreseen increase in global population between 2013-2030, 97% of which will be in developing countries.

94%

of the increase in electricity generation in 2017 came from developing countries.

740_{bn}

USD of investment from the private sector will be needed to achieve the SDGs and adapt to climate change in low- or lower-middle income countries.

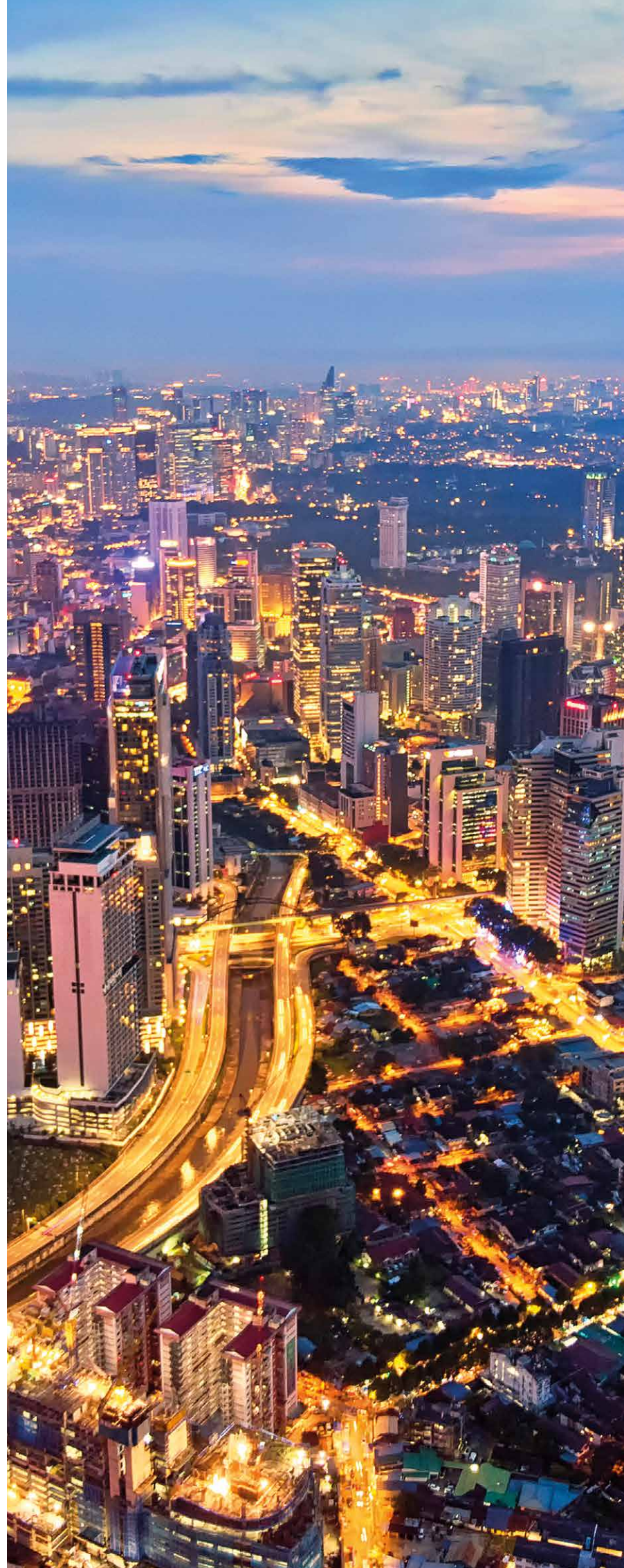


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Our employees, shareholders, and investors demand it, and we wouldn't have it any other way.

Emissions

**“We are in a battle for our lives.
But it is a battle we can win.”**

António Guterres, UN Secretary-General



We invest in three key areas of green energy, reducing emissions and providing access to cleaner, cheaper power.



In doing so, our portfolio companies catalyse sustainable development and directly contribute to the Sustainable Development Goals



USD 15.4 M
financed in off-grid solutions in India and Africa in 2018



USD 7 M
invested in on-grid generation in sub-Saharan Africa in 2018



USD 50.4 M
financed in energy efficiency projects in 11 countries in 2018

The challenge

ENSURE UNIVERSAL ACCESS TO AFFORDABLE, RELIABLE AND MODERN ENERGY SERVICES

Nearly 1 billion

people do not have access to electricity

USD 2.5 billion

financing gap for off-grid energy between 2018-22

INCREASE SUBSTANTIALLY THE SHARE OF RENEWABLE ENERGY IN THE GLOBAL ENERGY MIX

52-67%

of global energy generation in renewable energy to limit global warming to 1.5°C.

USD 700 billion

financing gap for renewable generation per year

DOUBLE THE GLOBAL RATE OF IMPROVEMENT IN ENERGY EFFICIENCY

15%

Amount of energy saved by 2040 if all potential energy efficiency projects are completed.

USD 584 billion

Total global annual investment needed to achieve the required energy savings

6 m tonnes

By providing off-grid solar installations to households and SMEs in rural areas, our investees have provided 39.8 m people with access to electricity and saved 6 m tonnes of CO₂.

12 GWh

Projects developed by responsAbility generated 12,000 MWh of clean energy.

4.5 m tonnes

Financing for energy efficiency projects will achieve lifetime savings of 4.5 m tonnes of CO₂.

OUR IMPACT

TECHNICAL ASSISTANCE – THE SWISS ARMY KNIFE OF GREEN INVESTING

Reducing emissions is all about change – from switching to energy efficient buildings and cars, to transitioning to solar power or upgrading to energy-efficient supply chain equipment.

Our climate fund is dedicated to reducing emissions via blended finance* and lends directly to renewable energy projects or financial institutions for green lending to SMEs. But as these changes can be a challenge, we have a dedicated Technical Assistance (TA) team to play an integral part in launching financing for energy efficiency or renewable energy projects, and essentially, making investment in these projects possible in the first place. For such projects, the biggest hurdle to change is often the lack of experience in identifying and evaluating the risk and return of energy efficiency and renewable energy investment opportunities at the outset. Therefore, our TA experts offer support on all of the following topics to make green lending accessible to anyone:

Best practice advice and exchange / individual energy assessments / tailored system selection / alternative fuel options / building insulation standards / domestic policy trends / expert market assessments / vendor finance schemes / international E&S best practice / project risk consultancy / green building standards / identification of qualified suppliers...

CO₂RA – A CARBON ASSESSMENT AND MONITORING TOOL LIKE NO OTHER

Managing a blended finance renewable energy fund means complying with a high standard of reporting requirements. So the engineers on our investment team developed a tool to make green lending possible at scale.

This web-based tool, called CO₂rA, offers clients simplified reporting and feedback on project eligibility, tracks on-lending targets, gives clients an overview of their portfolio and visualizes CO₂ emissions and energy saved.

CO₂rA's approach to CO₂ saving calculations are in line with global reporting standards, and as an in-house tool, it is continuously developed and improved to suit the needs of investors and the investment team.

Since 2015, CO₂rA has recorded savings of more than 13 m tonnes of CO₂ emissions over the project's lifetime. The introduction of this tool has helped to attract private investors, underlining the catalysing potential of a rigorous monitoring framework. Since 2015, the share of private investors increased to over 30% and assets under management for the fund have more than doubled. <

*Blended finance is the use of catalytic capital from public or philanthropic sources to increase private sector investment in developing countries and sustainable development (Convergence).

CHANGING MINDSETS

A visit to a battleground of conflicting interests – and the key to a peaceful solution

BIGGER. FASTER. POORER.

Welcome to Bangladesh, a country of superlatives: It is one of the world’s most densely populated countries blessed with one of the fastest growing economies. It is also one of the world’s poorest and among the countries most vulnerable to climate change. As a Least Developed Country (LDC), Bangladesh is exempt from any responsibility to reduce greenhouse gas emissions. For a long time, this was the rallying factor for policy makers to give off higher amounts of emissions in nearly all sectors with little regard for the environment. But times are changing – and in a variety of ways.

RESPONDING TO MARKET DEMAND

Take the booming textile and ready-made garment sector which accounted for more than 80% of total exports in 2016-17

and today ranks 2nd in the world for textile exports to Europe and the US. Increased consumer pressure in these markets has led fashion brands to offer premiums for environmentally friendly production – a compelling business proposition for manufacturers who are beginning to see energy efficiency investments in a completely different light. This, in turn, is creating a new business opportunity for local banks.

The City Bank Limited was one of the country’s first to systematically roll out a green lending product, working in close cooperation with responsAbility’s climate finance team and approaching business clients like sweater manufacturer Pioneer Knitwears: In 2017, the company replaced its existing machinery with 2,000 energy-efficient knitting machines. The USD 16 m investment financed through one of the bank’s green loans prevented a total of 7,778 tonnes of CO₂ emissions.

At the same time, it resulted in 47% savings in energy consumption.

It is this solid monetary effect of energy efficiency investments that the bank is striving to highlight. “While awareness for the need to mitigate climate change is increasing, investment decisions are taken based on financial considerations,” explains The City Bank’s Mohammad Jahangir Alam, who has been instrumental in driving the bank’s green loan business.

ALTERING PERCEPTIONS

Cases like Pioneer Knitwears may prove that there is not a conflict of interest between financial and environmental consideration. However, changing prevailing perceptions remains tough. “The City Bank has invested a lot of resources in raising awareness for the green business opportunity among their clients,” says responsAbility energy specialist Sathish Dhana-pal, who works with financial institutions across Asia to maximise their green lending efforts. Showcase examples help to attract further business.”

Meanwhile, things are also changing from a policy perspective. Bangladesh has prepared an Implementation Roadmap for the Nationally Determined Contribution to manage growing emissions without compromising development. The central bank has responded by incentivizing green lending, converting this battleground of conflicting interests into a powerhouse for sustainable development. <



The recipe: Make businesses want to go energy efficient by presenting a compelling business case



Waste

If food loss and waste were
a country, it would be the
third-largest greenhouse gas
emitter in the world.



OUR IMPACT

Fighting climate change requires a profound transformation of agricultural systems that today waste too many resources. Private investments need to address the three gaps that must be closed for a sustainable future:

THE PRODUCTION GAP

With a significantly growing population reaching 10 bn people by 2050, current agricultural output would need to increase by 70% and would require USD 83 bn investment each year to meet new demand. Reducing food losses by half would already yield enough food to feed 1 bn (half of the additional mouths).

In developing countries, the major issue regarding food loss happens post-harvest due to poor harvesting techniques and equipment, lack of local storage and processing infrastructure, and lack of access to markets.

responsAbility addresses those problems by providing working-capital finance, asset financing and technical assistance, all of which are key in alleviating these constraints for smallholder farmers (see infographic).

THE LAND GAP

The world will also need more than 593 m hectares (twice the area of India) dedicated to agriculture and up to 3 bn hectares if no yield increase is realized. Our portfolio companies seek to increase yields by addressing the knowledge, equipment and infrastructure gaps that prevent smallholders from reaching their maximum production capacity.

Another challenge is the climate-induced degradation of land that smallholders rely on. Some of our portfolio companies are finding innovative ways to prepare and help smallholders adapt, such as implementing efficient water technology, introducing resilient crops, or teaching agroforestry.

THE EMISSION GAP

Emissions from agriculture need to be reduced by 11 Gt CO₂/year (more than the annual emissions of China). Two significant sources of emissions in agriculture are transportation and fertilizer use.

We invest in companies that are certified organic or have other environmental certifications in order to reduce fertilizer use as well as to promote organic and more efficient nitrogen fertilizers.

Promoting local processing also helps limit wasteful transportation. For example, this means commodities such as cashews produced in Africa don't travel to the other side of the planet to be processed in Vietnam before travelling again to Europe and the US where they will be consumed. <

Food loss and waste are huge social and environmental issues. Funding agricultural organisations seeking to reduce waste is also a significant opportunity to:

25%

Fight climate change
25% of freshwater reserves are consumed and 8% of global GHG emissions are produced for food that will never be eaten.

15%

Fight poverty
Reducing post-harvest losses could increase smallholder farmers' income by up to 15%.

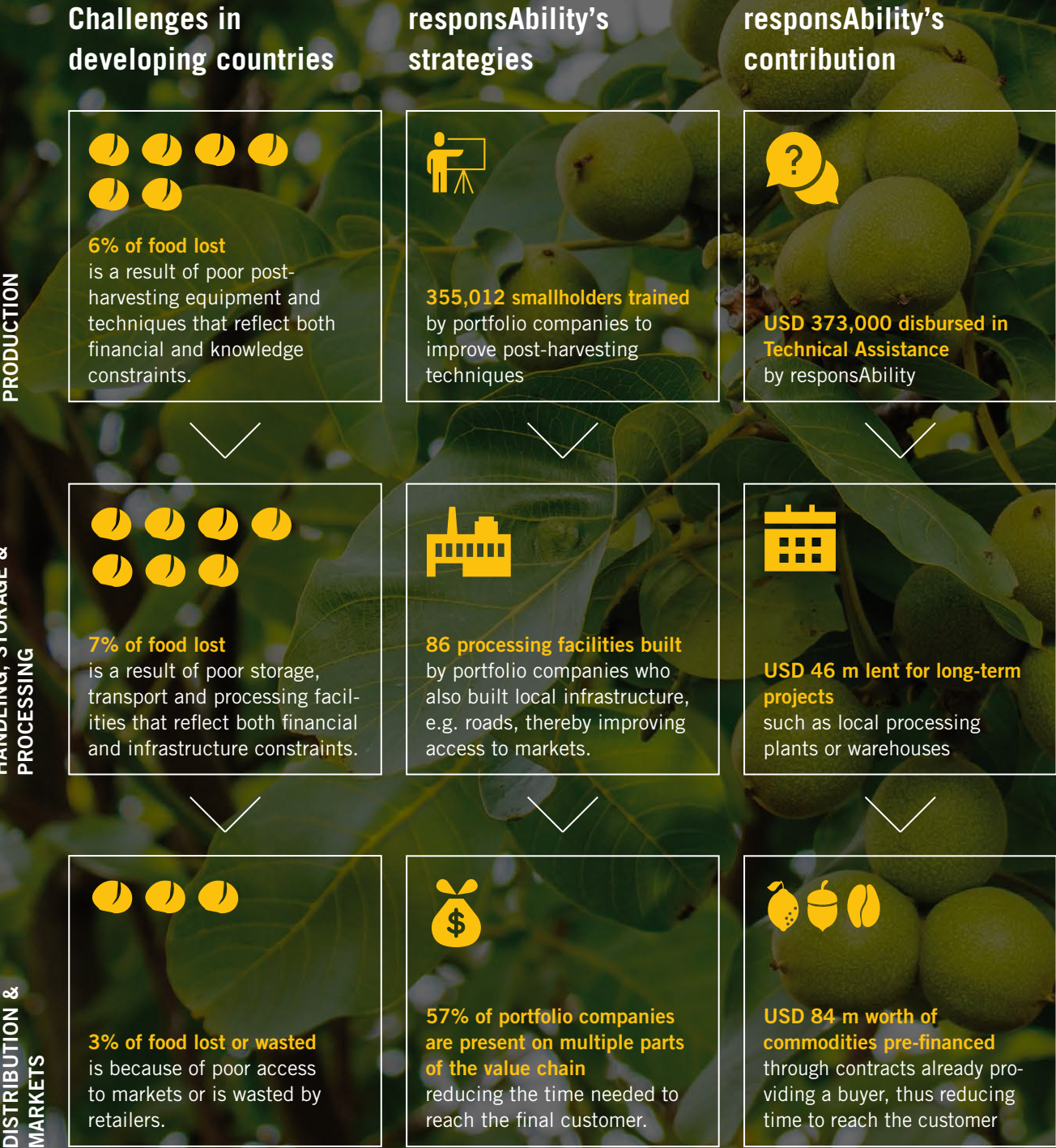
1 bn people

Fight malnutrition
Reducing food loss by half would yield enough food to feed 1 bn people according to the Rockefeller Foundation.

Technical Assistance and an efficient value chain are key to waste reduction.



Responsible production means investing in innovation and providing Technical Assistance to ensure challenges can be overcome.





NUTS ABOUT ZERO WASTE

In a world where millions starve, waste just isn't an option – especially when processing luxury super foods

NATURE DOES NOT FORESEE WASTE

The natural systems on earth are full of cycles: Think of plants living from the nutrients in the soil, and then fertilizing the soil once they decay. Unfortunately, this balancing principle has not been maintained among humans and society's product pathways. Take the absurdity of a world where 1/3 of all food produced is either lost or wasted while, at the same time, increasing numbers of people are undernourished. And on the other hand, close to 2 bn adults are overweight from over-consumption, given the mind-boggling abundance of food for this privileged minority of the world's population. So we are left with damaged health of the undernourished, and damaged health from the overconsumers, meaning a healthy diet is more and more critical from every angle.

MEET THE QUEEN OF THE NUTS

This diet increasingly involves superfoods sourced from all corners of the earth, such as the macadamia. Consumption of this 'queen of the nuts' is supposed to help with weight loss and fight against diabetes. Australian by origin, macadamias today are grown worldwide where climates allow. This is time-consuming work: Nuts are harvested by hand and collected from the ground over a period of 3-6 months. While Kenya is the world's third biggest producer, the luxury kernels rarely make it to local tables given their forbidding price. But their high market value, stabilized by increasing worldwide demand, make them a welcome cash crop for farmers.

Given the limited supply in raw nuts – in 2018 alone, the Kenyan harvest was down 20% following prolonged dry sea-



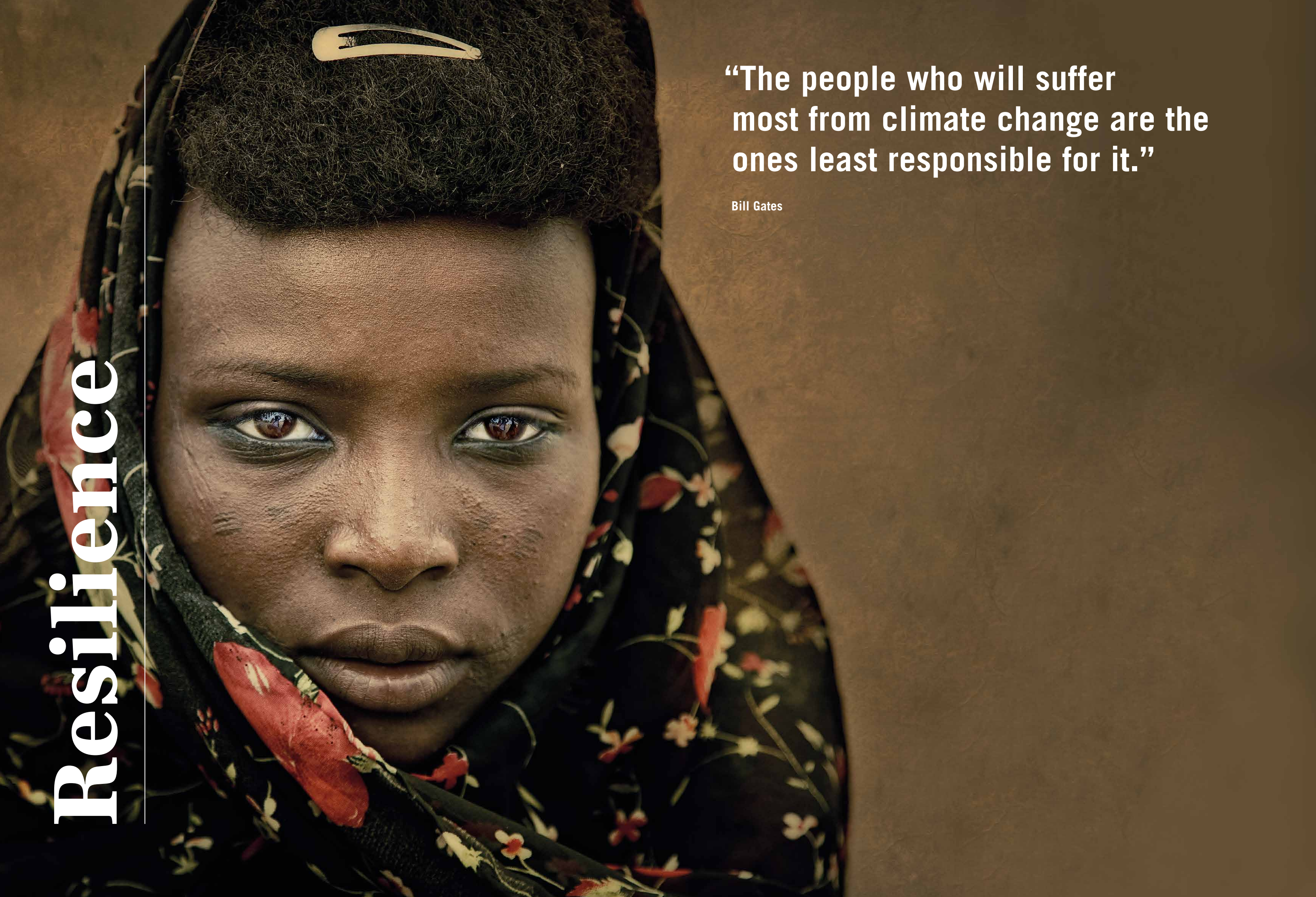
For the business to be sustainable, we need to expand our product range to use all parts of the nuts.

sons – processors like Paem Nuts are more exposed to market swings. “For the business to be sustainable, waste isn't an option,” explains owner and CEO Pally Muchiri, who set up the company in 2012 and has since expanded it into the top 10 of Kenya's macadamia producers.

CREATING MAXIMUM VALUE AND MINIMUM WASTE

While premium kernels are Paem's pride and primary product, the company has made it its business to get maximum value out of the harvest. “We use discarded shells to fuel our production lines and we sell broken kernels to confectionery manufacturers at a lower price,” Pally Muchiri explains. “With our latest expansion project we are now focusing on kernels that don't meet our quality specifications.”

In Pally's native Embu province, a hotspot for Kenya's macadamia production, Paem is currently building a new processing plant to extract macadamia oil from discarded kernels. “Global demand for this product is on the rise, both for cosmetics and food, and the project will allow Paem to increase its revenues,” explains Estelle Schuppert, a Nairobi-based investment analyst for responsAbility. “At the same time – and this is what I love about the project – it will allow Paem to get maximum mileage out of a raw product painstakingly cultivated on African soil for the consumption of those who live in abundance, affording it the respect it deserves.” <



Resilience

“The people who will suffer most from climate change are the ones least responsible for it.”

Bill Gates

“Better financial inclusion increases resilience and reduces the impacts of disasters on well-being.”

World Bank

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CLIMATE ACTION



For sustainable development, climate action also means financial preparation and insurance.

Climate change will increase the severity of natural disasters in Central America. Our investees provided micro-insurance to 50,000 people in El Salvador.

In India, hotter weather and disrupted monsoons will reduce crops & rural incomes. Our investees provide financial services to 23 m rural clients.



Desertification threatens farmers' income in Bolivia. Investees provided 1.3 m micro-savings accounts, creating a financial cushion against shocks.

Remittances are key in times of stress. Investees in Kenya, a country prone to weather-shocks, processed USD 2 bn in remittances.

In Indonesia, which is already experiencing increased flooding, 81% of our microfinance borrowers are female – that's 271,000 women.

Countries in bright green are those considered to be both highly affected by, and very vulnerable to, the effects of climate change. Source: ND GAIN

OUR IMPACT

Microfinance can play a key role in building resilience against climate change

By 2030, 100 m people will be pushed into extreme poverty by climate change. Climate change will affect the world through multiple paths. Heatwaves, droughts, flooding and storms will be more frequent and more severe. This will lead to lower crop yields, less biodiversity and less habitable land. The human cost will be greater levels of starvation, poverty and migration. While we will all feel the effects of this, the impact will be most felt by low-income populations in developing countries. 58% of deaths from natural disasters occur in the 30 most fragile states. Under a +2°C warming scenario, by 2050, 600 m of the world's poorest people will be exposed to serious water stress. The need to build resilience among the world's most vulnerable is urgent, with microfinance a key tool for doing so.

Lack of resources means that the world's poor are less able to invest in preventing and mitigating against natural disasters and other macro events. When shocks do occur – flooding, crop failure, a spike in conflict – low-income households often lose their main source of income. They are then faced with hard choices: sell an income-productive asset or be unable to pay for basic needs such as food, electricity or education.

Microfinance institutions can protect low-income households against lost income through micro-insurance and remittance products, as well as providing a cushion against emergencies via micro-credits and micro-savings. On a very basic level, the effects of natural disasters are mitigated by the mere ability to put savings in an account instead of keeping it at home, or in illiquid, perishable assets like livestock. Such products have been shown to significantly reduce the odds of households being pushed into poverty. In addition, access to finance can allow households to diversify revenue streams or invest in assets that provide better resistance to shocks e.g. homes with better standards of construction.<

2.6_m

clients covered by micro-insurance products from our portfolio companies.

35.2_m

customers in rural areas were served by our portfolio companies.

19.8_{bn}

USD in remittances were received through our portfolio companies.

LIMITING DAMAGE

When disaster cannot be avoided it pays to be prepared.
How to get equipped to deal with the aftermath.

NOTHING TO LOSE

Sometimes, there are images you don't forget. Images such as the ones that hit the global news in late 2018: a river of migrants from Central America, roughly 7,000 people, many of them families with small children. They were making their way north to risk a crossing at the US border, up to 4,000 kilometers on foot, and to seek a better life, far away from the violence and lack of opportunities in their home countries.

But there isn't, of course, one single reason for this mass exodus. Honduras, where the caravan originated, is one of the poorest countries in Latin America and has endemic problems with gang violence, drug wars and corruption. The per capita income is one of the lowest in the region, and remittances from relatives who have made it to the US represent about a fifth of GDP.

CATERING TO THOSE WHO HAVE NOT

With 40% of the country's population depending on agriculture as a livelihood, the negative impact of climate change doesn't help. Honduras is part of the Central American Dry Corridor, which stretches from Southern Mexico down to Panama and suffers from severe inclement weather due to El Niño. Weather extremes such as droughts and floods have more than doubled since the early 1990s, taking away the livelihoods of smallholder farmers who are dependent on rain-fed agriculture. Population growth and limited job prospects outside of agriculture continue to drive emigration.

Those who stay are often hard pressed to find a way to earn their living. "In rural areas, many of our clients seek to diversify their income base by, say, running a convenience store or keeping livestock besides their main farming activity



**Financial institutions
are instrumental in
that they help people to
create a livelihood – and
to stay.**

– anything that will supplement their income and allow them to better withstand shocks such as continued droughts,” explains Walter Rolando Chávez Funes, Head of Finance and Treasury at Banco Popular.

With 60,000 borrowers and 56,000 depositors, the bank is the country's largest microfinance institution and, as such, targets the nearly 65% of the population who live in poverty – a large portion of them outside the country's major cities. At this point, the bank is hard at work to further increase its exposure to rural clients, providing access to credit, savings, insurance and remittances, all of which are designed to help people to build resilience and escape poverty.

“Only 39% of adults in rural Honduras have access to a bank account – there is a huge opportunity there”, Walter Chávez explains. “We invest a lot in financial education and encourage clients to make provisions and diversify.”

BUILDING LIVELIHOODS

César Carcelén, investment officer with responsAbility, has worked with Banco Popular for several years. “Microfinance, simply put, is a method of getting loans to poor people who have no credit history, no collateral, no income, and often no education,” he explains. “By providing this sort of service, financial institutions like Banco Popular are instrumental in helping people to create a livelihood and more: a reason and a means to stay.” <



A MAJOR SHIFT IN MINDSET

If sustainable finance is to benefit the climate and the SDGs, it needs to actively identify positive impact. A conversation with the UNEP Finance Initiative’s Head, Eric Usher

In September 2019, your organization launched the Principles for Responsible Banking. Why is this important?

With the UN 2030 agenda, the Sustainable Development Goals and the Paris Climate Agreement, there was an upsurge of activity that brought the banks forward to draft the Principles for Responsible Banking in order to align the banking sector with these goals. They also enable banks to embed sustainability across the business and to identify where they have potential to make the most impactful contribution, while positioning the bank to leverage new business opportunities with the emergence of the sustainable development economy.

What is new about this approach?

The need is to look forward, to not only stay away from bad deals that create a negative environmental impact, but to also make the role of the financial sector to finance positive impact. To do that, we need new capacities in the organizations to identify what is impact, what is compliant with these environmental goals, and how do you drill down

Eric Usher heads the **UN Environment Programme Finance Initiative, UNEP FI**, a global partnership bringing together the UN with more than 230 banks, insurers and asset managers working to develop sustainable finance and responsible investment agendas. He has also worked on the founding of the Green Climate Fund, was an editor for Bloomberg’s Global Trends in Renewable Energy Investment report and was lead author of the finance section of the IPCC Special Report on Renewable Energy Sources.



to specific transactions that generate a certain type of impact.

Why is this such a shift in mindset?

The focus is no longer on what processes do you have in place – processes are important – but on what impacts are you focusing on and, importantly, setting forward-looking targets. This positions responsAbility in a very important place – the opportunity is essentially to continue to build out the types of transactions and approaches it has been doing as this overall notion of targeting impact takes increasing hold over the financial industry.

What are the challenges arising from the need to report on impact?

One is the ability to identify that impact is not straightforward. In the investment industry, the normal thing is, people love to have lists, what’s good and what’s bad, and essentially you can then tick boxes. I would say even for climate action or climate mitigation, it can kind of work. But as you start to go into the SDGs, what you need, rather than the processes to tick boxes, is a team, and capacity, and tools to be able to analyze and identify what is an impactful transaction. And the capacity to be able to recognize it when you see it, actually.

How do you bring these investments to scale?

It seems like almost everybody has been trying something. Issuing green bonds. Investing in renewables. Everybody is doing something. A lot of great somethings. The reality is: That’s not enough. So how do we shift from doing something to doing everything? If you issue green bonds, that’s great. But now the question is, what do you do with the rest of your bond portfolio? What are your plans to green it? I mean, you have a renewables team that does renewables investments – that’s great. But then you still have a very large power sector team who does a lot of core. So how do you actually broad-base this? Of course, the big players, they all have something they need to work on in their portfolios. The question is: Are they working on it, or are they ignoring these big issues?

Across the financial universe, everybody is doing something. A lot of great somethings. The reality is: That’s not enough.

What is the role of a specialized impact asset manager like responsAbility?

One role is as a provider of capital for projects and businesses that otherwise won’t have access. But I think the bigger role is building the capacity both of corporates and other actors in the financial sector in these markets to actually benefit from the types of skills that responsAbility is bringing to the deal. Once again, the notion of: how do you identify impact? How do you – it’s not all rosy, everything is great! – how do you contractually provide capital into spaces that are not easy, bread-and-butter type deals to do. It’s a combination of capital, skills and signaling. When you invest the first, and then the second time into a new type of business in a new market, the benefits don’t only go to the investor or the company; they go to the whole sector, as others will follow you.

What opportunities do you see, especially in emerging economies?

When we talk about climate, most of what we need to be doing is in infrastructure. And where is infrastructure going to happen in the coming century?

In the developing world, in emerging markets. That’s where the action is going to be, that’s where the opportunity is. So that’s where capital allocation is going to happen. I think this is the biggest opportunity.

I think the second one is the broader set of climate actions. Everything that we do in a household has climate implications and one of the problems is, as you move from a high-fossil technology to low, it all requires financing. The capital cost is higher and usually the operating costs are lower, meaning that you need a financier as an intermediary. The challenge is that these activities, particularly at the household level, like cooking, heating and lighting, have conventionally used technologies that didn’t require financing. This means opening those markets is much more challenging. People don’t know that financing for newer, more modern and cleaner technologies is available and therefore there is a huge awareness gap.

Once again, the types of investments that responsAbility is making, could be quite important in going after that opportunity. <

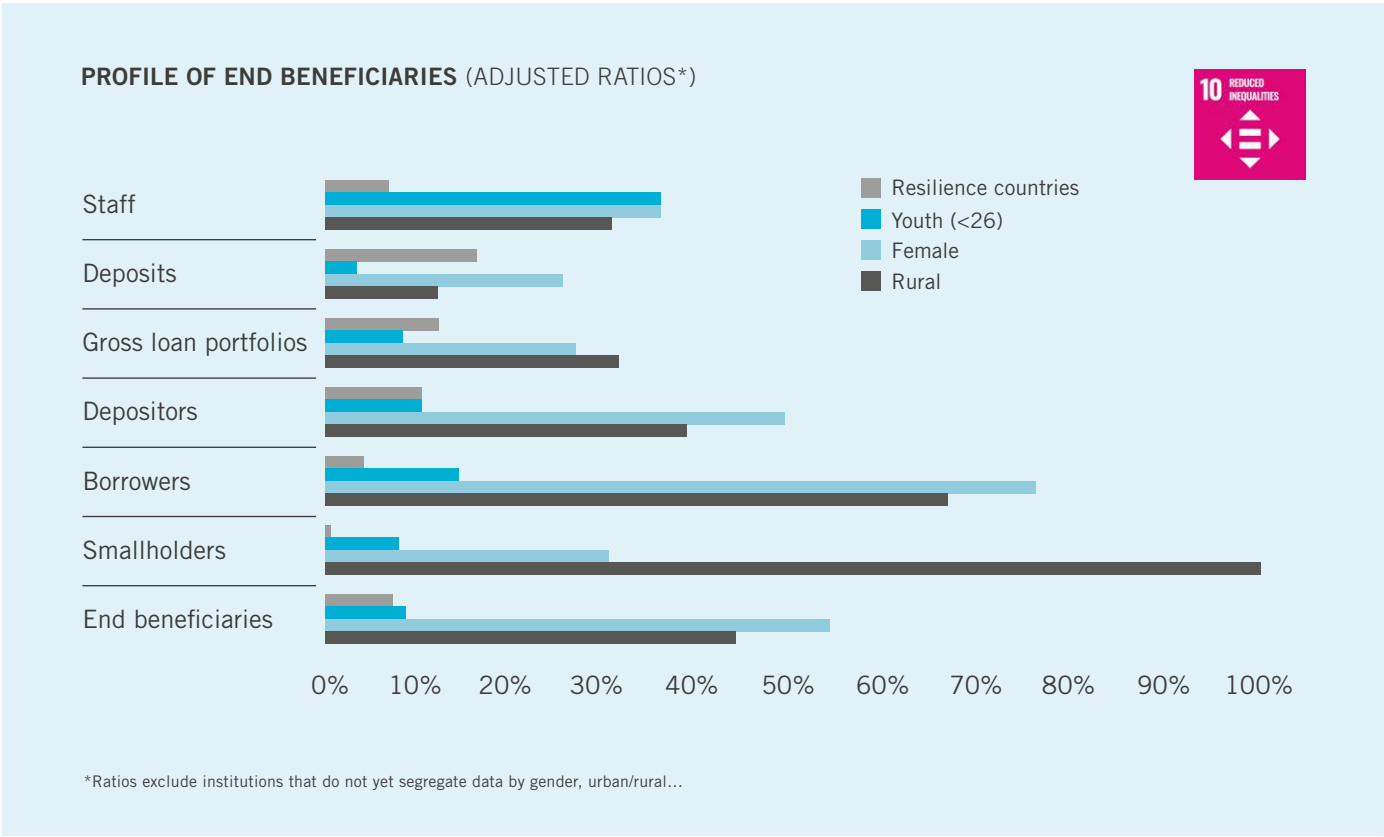
IMPACT: PORTFOLIO COMPANIES

Measuring the success of our investments is two-fold: financial returns plus the positive impact created by the investments. Here, we align the impact of our investments with the relevant SDGs and bring you our impact in numbers. Data is gathered on an annual basis from every portfolio company and analysed by our Impact team.

SDG	INDICATOR	2017	2018	% INCREASE
	> Number of clients / smallholders	71.1 m	82.1 m	15%
	> Average loan size	USD 2,226	USD 2,350	4%
	> Remittances received	USD 13.7 bn	USD 19.8 bn	45%
	> Customers - for insurance products*		2.6 m	
	> Rural customers of financial institutions	26.1 m	35.2 m	35%
	> Gross loan portfolio in rural areas	USD 20.8 bn	USD 22.1 bn	6%
	> Number of smallholders financed	494,288	545,296	10%
	> Payments made to smallholders	USD 2.3 bn	USD 2.3 bn	0%
	> Gross loan portfolio in health	USD 210.2 m	USD 880.2 m	319%
	> Gross loan portfolio in education	USD 189.2 m	USD 311.4 m	65%
	> Staff trained*		201,019	
	> Microfinance clients that received financial literacy or business courses in 2018*		6.4 m	
	> Number of female clients	39 m	44 m	13%
	> Number of female-owned SMEs*		455,463	
	> Number of female staff	102,927	100,343	-3%
	> Share of female senior managers	26%	26%	1%
	> Share of female board members	17%	18%	6%
	> Number of people provided with access to energy	10.1 m	21.6 m	47%
	> Total clean energy capacity installed	11,618 MW	12,923 MW	11%

SDG	INDICATOR	2017	2018	% INCREASE
	> Number of staff	300,693	278,719	-7%
	> Staff turnover	21%	26%	25%
	> Number of SME clients*		1.4 m	
	> Number of jobs indirectly supported by SMEs (estimate)*		32.1 m	
	> Number of investees that are market leaders	38	33	-13%
	> Processing units built/expanded	176	82	-53%
	> Certified investees	62	60	-3%
	> Hectares under sustainable management	1.4 m	1.2 m	-17%
	> Certified hectares	713,777	622,641	-13%
	> Energy savings per year	376 GWh	594 GWh	
	> Clean energy generated	765 GWh	1,024 GWh	
	> Annual CO2 emission reductions	276,586 t	317,149 t	
	> Gross loan portfolio in energy efficiency and renewable energy		USD 2.5 bn	

*Indicators are either collected for the first time in 2018 or the definition was changed in 2018



TECHNICAL ASSISTANCE AND PROJECTS

Technical Assistance (TA) relates to projects managed by responsAbility to enhance the viability and/or impact of investees or potential investees. Such projects are typically carried out on the ground by local consultants mandated by responsAbility and funded through dedicated TA facilities financed by public and private donors. Although the amounts provided are much smaller than our typical investment size, TA is seen as complementary and strategic to leverage our investments and make a significant difference to the strength, profitability and impact of organisations. The improvements generated by projects benefit staff, clients, local communities and the environment. In some cases, TA is critical for the overall viability of a project – for example, developing an action plan to mitigate Environmental and Social (E&S) risk analysis to ensure hydropower plants do not negatively impact the surrounding community and/or biodiversity. The support provided by our donors is thus key to making some investments possible, build market knowledge, and/or play a major role in creating a broader and deeper level of impact.

TECHNICAL ASSISTANCE	2018
Distinct TA facilities managed	5
Total amount disbursed (USD)	2,218,910
> Energy	1,845,964
> Agriculture	372,946
Projects started	66
> Energy	59
> Agriculture	7
Projects managed (ongoing and completed)	101
> Energy	93
> Agriculture	8

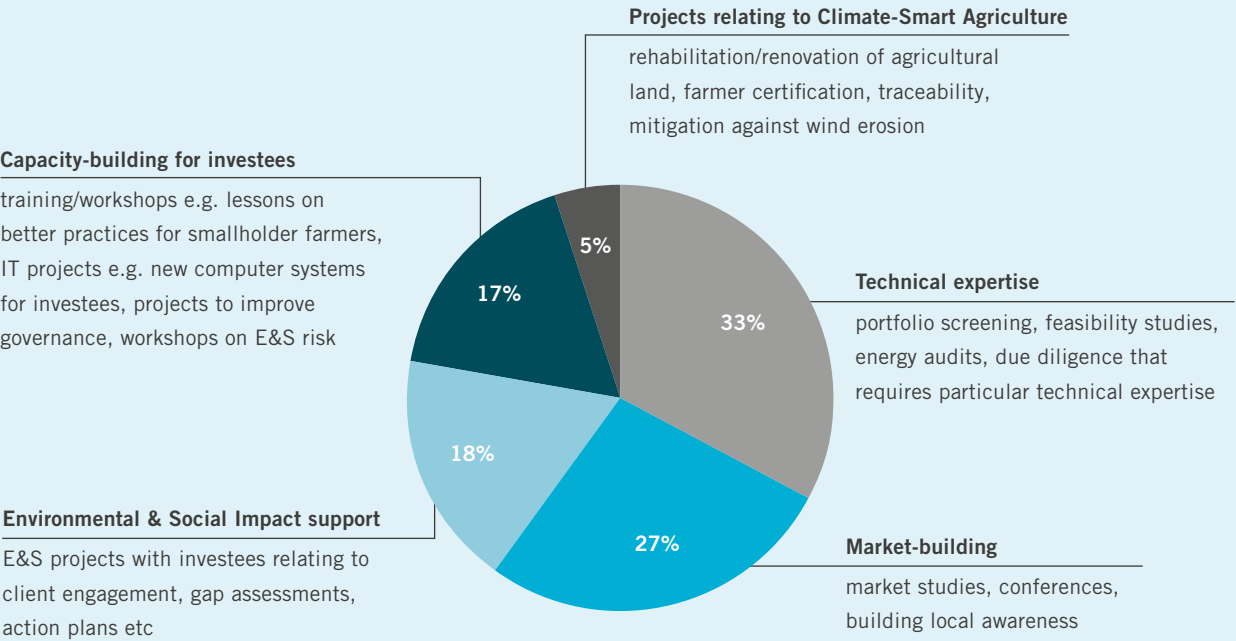
LIVING OUR VALUES – RESPONSABILITY

We dedicate 100% of our investment activities to impact investments in developing countries. As such, impact is an essential part of our DNA, and we could not function without integrating diversity and equality into every aspect of our organization. In doing so, we create a value chain of people committed to sustainability and equality, stretching from our investors, to our staff, to the companies in our portfolio and thus to millions of households and SMEs in the developing world.

SDG	INDICATOR	2018
5 GENDER EQUALITY	> Share of female staff > Share of female managers > Share of female board members	44% 33% 29%
7 AFFORDABLE AND CLEAN ENERGY	> Renewable energy projects financed to offset emissions	37

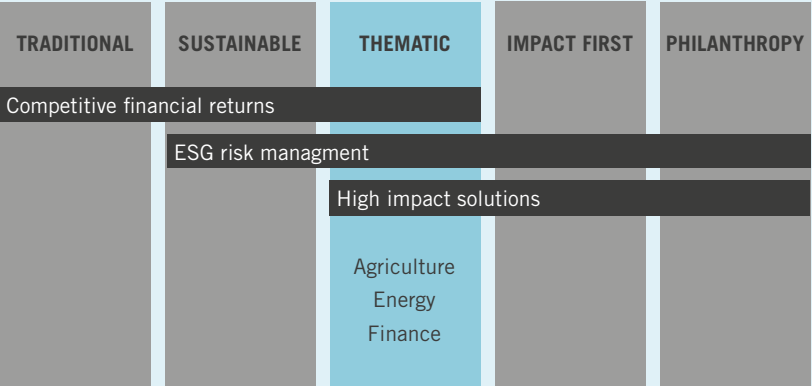
SDG	INDICATOR	2018
8 DECENT WORK AND ECONOMIC GROWTH	> Number of staff > Number of nationalities	248 34
13 CLIMATE ACTION	> Emissions created* > Emissions offset	1,948 t 1,851 t
15 LIFE ON LAND	> Emissions offset via reforestation	1,814 t
17 PARTNERSHIPS FOR THE GOALS	> Total Assets under Management > Products managed > Portfolio companies	USD 3.0 bn 14 425

PROJECTS OUTSTANDING BY TYPE

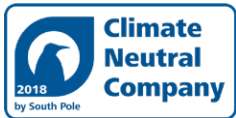


OUR VALUES ARE AT THE CORE OF OUR BUSINESS

Since our founding in 2003, our objective has been to create sustainable development while unlocking attractive new markets for investors. This means that the assessment of each investment goes well beyond a traditional ESG screening. We actively seek both impact and returns, as we believe that this is the only way to create a sustainable future for emerging markets.



WE ARE CERTIFIED AS A CARBON NEUTRAL COMPANY



INITIATIVE DRIVEN BY EMPLOYEE VALUES

Marian Grabowski, an expert on our Technical Assistance team, initiated our first carbon offset project this year: the purchase of solar panels for Project Kunyumba, a daycare center in Malawi. The daycare center empowers the local community to break the cycle of poverty and reduce the child mortality and disability rate, often from malaria or AIDS. The locals who work there not only advocate for parents to seek medical treatment and regular doctor check-ups, they also help them learn about nutrition and education.

The daycare project was so successful, that a larger facility needed to be built in the center of the village. And as Malawi has one of the lowest rates of electricity production in the world, with blackouts often up to 8 hours per day, installation of solar panels made the most sense. The solar panels will generate 40,000 kWh of clean electricity over their lifetime. Not only will electricity be provided to the daycare center, but excess electricity will be donated to the local community.

Marian was keen to emphasize that, "It's important to be embedded with the community and work with local authorities. The center is involved in a child's entire upbringing, so local empowerment is key. There has to be a need and a real drive from the community for this to work. And thanks to responsAbility for making this happen."

For our second offset project, we supported the Isangi REDD+ project in the Democratic Republic of the Congo and saved 699 hectares of primary forest from logging annually. This helps protect the natural habitat of multiple endangered species such as the leopard, and also helps alleviate poverty by promoting sustainable economic development in a remote part of one of the world's poorest nations. <



PUBLISHING INFORMATION

Texts Paul Hailey, Ulli Janett, Stacy Lucido,
Jonathan Pfaender

Editor Stacy Lucido

Additional material Raluca Anisie, David Mazaira

Concept and design Joppe Berlin

Printing Abächerli Media AG



MIX
Papier aus verantwortungsvollen Quellen
FSC® C103895



Since 2016, responsAbility has been offsetting the carbon emissions of its activities.

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Images shutterstock, Cover, page 01, 02,
06, 13, 18, 20-21, 28

An xin/Imaginechina/laif, page 04-05,

Yousuf Tushar Photography, page 08-09,

Saumya Khandelwal, page 10-11,

Jerry Riley, page 14-15,

Manuel Vilches Fotografie/Dubabu Association,
page 16-17

Ajeh, page 22

Sources page 01: UN Intergovernmental Panel
on Climate Change, World Bank, International
Energy Agency

page 02: 1.5 (UN IPCC, 2018); 1.2 billion
(UN, 2018); 94% (World Bank, 2017); 740 (Sustainable Development Solutions Network, 2015)

page 06: responsAbility Investments AG, IPCC, IEA,
GOGLA, International Renewable Energy Agency

page 07: All numbers from responsAbility data

page 12: Rockefeller Foundation, World Bank, WRI

page 13: responsAbility Investments AG, WRI

page 18: All numbers from responsAbility data

page 19: 1 (Norwegian Refugee Council, 2016);
90% (UN, 2016); 143 (World Bank, 2018)

page 24-7: All data provided by responsAbility.

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**This is a
publication about
the climate
crisis.**

**Save the climate:
recycle or give
to a friend
who can help**