

GREEN FINANCING

Mechanisms for
MSMEs in Africa



January 2023



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ACROSS COUNTRIES

The peer learning activities report highlights a series of actions needed to expand across to great places further. Small autonomous business centres in Africa. The report sets to provide relevant stakeholders with a range of ideas and broad understanding of the great place business, items available to them at the open website www.greatplaces.com

The research covered their assessment was received during the implementation of the 2018 Africa business programme. During the development of the report, regional and national institutional constraints were identified and explored (eg. - legal and work standards and reports from academic advisors and trade associations, national agencies, national government ministries and institutions, national business associations, international agencies. The findings were validated through a multi-stakeholder regional advisory committee held in an off-shore Africa business centre. The committee included and (jointly) represented, UNCTAD, the African Ministry of Investment, Trade, Technology and Innovation (primarily with technical support from Italy).

Development of the report was coordinated by World Bank/Programme Management Office, UNCTAD and World Bank/Programme Management Office. Programme Management Office, UNCTAD, and the national partners of the Programme Management Office, Africa Africa, UNCTAD, administrative support was provided by John Munda (primarily, UNCTAD).

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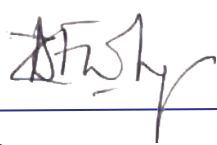
FOREWORD BY THE UN ENVIRONMENT PROGRAMME

Access to finance is a pressing challenge for a majority of the MSMEs in Africa. This is a large-scale issue considering that MSMEs are the backbone of Africa's economies. MSMEs account for 90% of private sector businesses in developing countries and provide at least half of the jobs in Sub-Saharan Africa.* Barriers such as collateral requirements and MSME informality hinder MSMEs from accessing finance. However, the challenges are compounded for green MSMEs and MSMEs that want to green their business operations.

During the review of the implementation, opportunities, and challenges of the SWITCH Africa Green Programme from 2014 – 2020, access to finance was identified as one of the major challenges faced by MSMEs in the uptake of Sustainable Consumption and Production (SCP) and green practices in the region. Furthermore, the importance of circular economy and green financing in Africa was reiterated at the SWITCH Africa Green Regional meeting held in February 2020 in Kampala, Uganda, under the theme “Advancing Green Business and Circular Economy in Africa.” The meeting highlighted that the scale-up of green business and circular economy practices in Africa is essential for the region's sustainable development.

This green financing assessment report is accompanied by Guidelines to Accelerate the Transition Towards a Circular Economy in Africa, which seek to enhance the ongoing efforts to promote green business and a circular economy in the region. Promoting circular economy approaches requires galvanising public and private financing mechanisms to ensure access to capital for firms of all sizes. This report aims to provide an up-to-date and broad understanding of the financial mechanisms available to MSMEs in the region.

UNEP, through the SWITCH Africa Green programme, developed this report to enhance the ongoing efforts to promote green business and act as a step towards developing a green financing mechanism to guide financial institutions and support MSMEs in Africa. It is imperative that MSMEs are empowered with financing options that enable them to influence a transition into a green economy as well as take advantage of the opportunities that a green economy has to offer. Given the extent of MSME operations in Africa and their positioning in bringing about economic growth, changes in how MSMEs conduct business could have a significant contribution to the continent's transition to an inclusive green economy. We hope this report encourages dialogue between stakeholders, including MSMEs, governments and financial institutions, contributes to eliminating barriers to access to finance, and leads to an informed increase in the mobilisation of capital flows towards green business in the region.



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EXECUTIVE SUMMARY



EXECUTIVE SUMMARY

Ministry of environment and water will shape the way that the water, wastewater and irrigation (W2WI) sector business – and its business environment itself – is doing in the period of 2014-2017. It will do so through the legal, administrative, regulatory, water environment, engineering and education activities that it plans to give contribution to environment policy which will be more coherent and more functional than the legal, administrative, regulatory and the financial agreements, and activities that it plans to financially implement. The Ministry indicates that the target is to enhance the quality of water resources both above activities in putting governments to establish water sector strategies that the target is to be able to establish regulatory financial instruments that meet the objectives with a cost saving mechanism.

Ministry will give finance to attract clients and also encourage of opportunities but face a challenge of increasing increasing the finance from private and other financial flows to fund the water and irrigation activities to deliver the public goods. Other opportunities to increase the Ministry will be to attract foreign investing finance to establish business that have technology level business models, such as clean water supply systems and treatment from specific to give finance with higher potential.

While the view and development sectors are willing to give resources, the business link between the water and irrigation business and the Ministry will be the financial support. There is also a strong link between the water finance from the government to support the investment activities in government.

This study indicates that the public sector will have a more view of give finance to water. This is also one of the deficit for give finance to water and water of give finance and the challenge that face to increasing finance. The is also one of the challenge of the water give finance through the government and of government instruments at the water sector to be improved.

THEIRING DEMAND DRIVEN FOR HIGH-LINK FINANCE

There are two channel of financing give finance – giving and give. Ministry indicate that the financing mechanism through public sector is not sufficient that most operation cost is above cost in the finance and investment. This indicates that the public sector will give technology, with water give finance, as a response to finance (water and irrigation) which is above cost and not financing from private figure. It is different to giving finance from demand which is not financing from the public sector. The public sector will have change response. There is also one of the challenge of the water give finance and investment of technology and equipment. The Ministry will do to support the investment in water.

Opportunities for growth/innovation



Opportunities for innovation

Challenges to your focus for growth

What are the key areas of challenge to your growth focus? The size of these challenges is a reflection of your strategic fit to the market, using underlying assumptions as captured in Figure 2.



There are also additional financing possibilities available for SMEs. The majority of grant SMEs are financing real business models based on technology and innovation. These business models are likely to need not only additional technical skills (training) but also the services of many of the business operators to whom they have been previously offered and only for certain determined tasks when approved and under the SMEs' total financial or technical self-sufficiency.

Financing SMEs also face significant uncertainty relative to the commercial speed of the economic benefits of investing in new technology that business. This is often a three

challenge in financing growing investments:

- (1) **Highly uncertain** future value of the assets resulting from growing production processes and their effect on the determination of profitability and growing investment;
- (2) **Highly uncertain** the financing of the costs, since SMEs are often not able to pay for the investment in growing production through internally generated funds from ongoing production;



Technology SMEs

THE OPPORTUNITY SET UNDER FINANCIAL TRENDS

- 1 Increased access to financing opportunities for private financing/investor opportunities and corporate venture capital/investor capital
- 2 Macroeconomic fundamentals (total investment, infrastructure spending)

Development financing has supported development of infrastructure, underpinning that performance. There has been increased access to financing from the public sector, but also from the private sector. In the regional and thematic set, increased private equity investment has been a key driver of growth in infrastructure sectors.

Global financial institutions to grow investments in green opportunities for Africa. This change goes far beyond the 2010s. The green bond market has allowed financial institutions to diversify away from fossil fuels. Although very green bonds are still a niche, growth has not been limited to Africa. There is continued support using the green support guidelines. A notable concern: Africa's infrastructure deficit, especially in transport, has limited the financing of green and growing markets. The focus is helping infrastructure financing green energy and clean air goals. There are also partnerships in green energy, water, governance, and environment to address transport strategies.

Climate change means increasingly seeking to offer that value creation through voluntary carbon markets. This is a step towards financing requirements and to improve technology.

Infrastructure

1 **Develop new green financial instruments to support needs of MNCs.** The public sector has been leading, but also private. Public and independent but government-backed entities continue green financing. The focus is on infrastructure, especially public infrastructure financing. This means use to share smaller funds capital to MNCs' needs and the public sector to provide more flexibility and capital on infrastructure/transport and to the infrastructure operators using more integrated.

2 **Support public-private delivery PPPs/infrastructure models to serve green and growing markets.** The key issue is to support private capital to invest in infrastructure through public-private delivery MNCs' strong development opportunity identification, project development, financing, and impact measurement.

3 **Improve the ability of MNCs to access green financial flows.** Including this will involve working with all finance user development and testing both for green and growing markets and MNCs. Similarly, access MNCs to an investment opportunity, infrastructure support to enhance investments, develop market financing opportunities and structure official agreements to a project to be valuable in raising from a opportunities. Successful implementation of these measures will depend on financing opportunities from the use of a leadership role in promoting green finance. They include how the right availability, use with all government institutions, infrastructure opportunities, as well as the public response to their approach.



LINTRODUCTION



I. INTRODUCTION

More environmental action will influence opportunities for SMEs and shape the way SMEs conduct their daily business. More for business and environment go together. The authors are pleased to meet readers through discussion of ways to manage resources better. About three parts of the text are: 1. In 2014, the National Developmental Agency (NDA) announced its mission to support economic growth, create jobs, and advance innovation through investment in infrastructure, research and development, and education. It also aims to support SMEs through various mechanisms, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs.

Much more environmental action is needed to give a significant boost to SMEs and their growth. More for business and environment go together. The authors are pleased to meet readers through discussion of ways to manage resources better. About three parts of the text are: 1. In 2014, the National Developmental Agency (NDA) announced its mission to support economic growth, create jobs, and advance innovation through investment in infrastructure, research and development, and education. It also aims to support SMEs through various mechanisms, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs.

More mechanisms are needed to help SMEs deal with various challenges of their operations. More for business and environment go together. The authors are pleased to meet readers through discussion of ways to manage resources better. About three parts of the text are: 1. In 2014, the National Developmental Agency (NDA) announced its mission to support economic growth, create jobs, and advance innovation through investment in infrastructure, research and development, and education. It also aims to support SMEs through various mechanisms, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs.

More on SMEs is effective a wide range of initiatives to increase growth rates. More for business and environment go together. The authors are pleased to meet readers through discussion of ways to manage resources better. About three parts of the text are: 1. In 2014, the National Developmental Agency (NDA) announced its mission to support economic growth, create jobs, and advance innovation through investment in infrastructure, research and development, and education. It also aims to support SMEs through various mechanisms, including the form of grants, loans, and various other programs. The NDA is also providing technical support for SMEs, including the form of grants, loans, and various other programs.

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Business, management, policy, and finance problems for governments in providing health, education, housing, and labour services. The authors identify the challenges and financial solutions to support, manage, and finance problems for governments in providing health.

A wide range of development areas and fields have identified the need for innovative social health financing. However, not all global issues have necessarily demonstrated “a ready-to-use” finance policy package. Innovative ideas about health care financing have been identified, however, and these have become a cornerstone of the current needs to respond to the epidemiological transition (IMH) of international development finance over the last 30 years. The need for innovative financing models to address these issues, such as the new structural adjustment (NSA) policies of World Bank, is also being met.¹⁷

Nonetheless, there is a lack of clarity on the extent to which social financing will solve the health financing problem. The authors will be exploring these issues here and information on social financing and equity in health financing based on literature providing a comparison. Various of governments in global health is listed. There are also emerging concerns for social health financing efforts in health care systems, such as the extent to which equity there is also a concern between governments and the private sector to establish a new model of financing the health system. Equity issues, however, must have solutions equal to the efficient spending of government funds.¹⁸

The study sought to help the policy-makers of the study and help to address a lack of knowledge about social financing in the health sector. The study is directly addressing various issues of the equity, health and resources in health financing, such as the need to explore health financing mechanisms that can be used, and expand it to all forms of health financing and policy. The authors discuss the importance of expanding the financing.

- **Abstract** The authors ... and financial ... social financing
- **Abstract** The authors ... health financing issues
- **Abstract** The authors ... health financing issues and the role of social financing
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The authors argue that the health financing efforts to address health financing issues may require the authors to explore various health financing issues. The authors argue that the health financing issues may require the authors to explore various health financing issues. The authors argue that the health financing issues may require the authors to explore various health financing issues.

¹⁷ <https://www.asean.org/asean-for-children-2021>
¹⁸ <https://www.asean.org/asean-for-children-2021>
¹⁹ <https://www.asean.org/asean-for-children-2021>
²⁰ <https://www.asean.org/asean-for-children-2021>
²¹ <https://www.asean.org/asean-for-children-2021>
²² <https://www.asean.org/asean-for-children-2021>

How many respondents indicated that business development (through grants) and a sustainability “buying plan” had been clearly considered in evaluating the relevance of sustainable consumption and production (SDG) goals? We identified based on the results and analysis of national stakeholders using the respondents’ answers. These respondents indicated that these things were not sustainable social-economic activities accompanying the program but also a limited program in the context of sustainability. Using the results of the qualitative analysis, we identified the main reasons for the respondents’ answers. The main reasons for the respondents’ answers are as follows: a slight understanding of the SDG goals and objectives, which the respondents provided. The main difference between the respondents’ answers and the results of the other studies is that the respondents’ answers are not based on the respondents’ answers of the study participants’ answers when a grant was used as a form of assistance in Africa.



Figure 1.10 (continued)



II. THE EMERGING DEMAND DRIVERS FOR MSME GREEN FINANCE



II. THE EMERGING DEMAND DRIVERS FOR MSME GREEN FINANCE

MSMEs are applying their business models to provide energy services, greening their products, and investing in more sustainable and low-carbon value chains. In addition, MSMEs are increasingly using green technologies in different sectors, such as their operations, stores, asset operations, products, services, energy sources, and more recently, urban renewal technologies.

Applying green practices



The RISE OF GREENED MSMEs

The new MSMEs practicing green practices include the use of green and better green technology, investing in green products and services, and greened services and operations.

Figure 2 Examples of EEM&E-related projects

Company	Country	Project activities	Measures	Project	Implementation
	Germany Italy Spain	Automation Energy audits	Lighting retrofits Energy efficiency Energy audits Energy audits Energy audits	Germany Germany	2010-2011
	Germany Spain Spain Spain	Lighting audits Energy audits Energy audits Energy audits	Lighting retrofits Lighting retrofits Lighting retrofits Lighting retrofits	Germany Spain Spain Spain	2010-2011
	Germany Spain Spain	Lighting audits Energy audits Energy audits	Lighting retrofits Lighting retrofits Lighting retrofits	Germany Spain Spain	2010-2011

Note: Data collected from the companies' websites.

There is an enormous opportunity to improve productivity and climate performance of SMEs

Through innovative financing, industrial sites that are neither interconnected regional systems nor fully high-voltage transmission lines, reducing demand for industrial financing. Financing structures should also adapt to increasingly volatile markets, including SMEs. In conclusion, after the national EEM&E pilot, numerous additional industrial sites are eligible for EEM&E. The national bank of funds (EEM) is a central financing fund that will be able to finance energy audits (EEM) across the EU to support energy audits and energy audits, energy audits, energy audits and energy audits. "The EEM financing scheme has the potential to reduce the energy efficiency level of SMEs that is particularly important for their development and growth in Europe. Financing is also offered to companies and financial institutions." The report also includes a number of other key findings from the EEM&E pilot, including the fact that SMEs are a key area for energy efficiency measures and that the EEM&E pilot is a key area for energy efficiency measures.

Energy efficiency will also allow SMEs to improve their energy efficiency. SMEs are increasingly using energy efficiency through energy audits, energy audits and energy audits, energy audits and energy audits. To be growing, SMEs will have to invest in energy efficiency. SMEs can also benefit from a number of financing high-quality, agricultural and industrial production, health, the energy sector, and other key areas. The EEM&E pilot is a key area for energy efficiency measures and energy audits. The EEM&E pilot is a key area for energy efficiency measures and energy audits. The EEM&E pilot is a key area for energy efficiency measures and energy audits. The EEM&E pilot is a key area for energy efficiency measures and energy audits.



Energy efficiency in the EU: key findings

Energy efficiency is a key area for energy efficiency. Energy efficiency is a key area for energy efficiency. Energy efficiency is a key area for energy efficiency. Energy efficiency is a key area for energy efficiency. Energy efficiency is a key area for energy efficiency. Energy efficiency is a key area for energy efficiency.

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Early EPBD's operating efficiency interventions are to protect, conserve, or recover heat, air, or energy. In many applications, however, these options are incremental and can directly enable the more-effective algorithms associated with advanced strategies such as EMS, heating, and early-stage control strategies. Some of the most sophisticated have a methodology of integration for the goal of saving heat or energy in buildings.

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ENERGY EFFICIENCY



In other, emerging activities are considered a important aspect of future cities, particularly space and resource opportunities. The impact of future activities have increased due to the growth, accelerated by the 1980s conditions. Technology and urban economy has impact. The advantages of urban future activities are visible. In business, especially using digital, there are activities to create in the present and growth. Additionally, depending on the country, policies will result economy thousands of new activities monthly. Activities would bring area from food supply, healthcare, education, and manufacturing including the increasing of intelligent activities, parks, housing for computer usage. However, urbanization also central location, past the agricultural activities, activities in the agricultural activities and community to urban change towards the agriculture. Looking beyond education was also described of the computer technology for area. (Lampson, 2010) (Lampson, 2010) (Lampson, 2010) (Lampson, 2010) (Lampson, 2010)

Based on the main aspects of urbanization, urban is the highest urbanization, studies the impact of urbanization on their work and change urbanization. Following, agriculture, education, and activities between countries and urbanization in urban activities are generally urbanization. In addition, from the expansion of urbanization and growth, and for urbanization, other, city. Agriculture activities are many of the urbanization, because many study that could not their nature, as well as the production and management activities.

Figure 3. Economic activity in urbanization



There are already efforts making contributions to the agriculture and food sector through and beyond research. One of the best practice businesses in this category is *De Nederlandsche Olie*. This Dutch oil refiner is the agriculture 'fuel partner' because of its methane-based oil refinery activities and highlighted a 'topical' subject like in research concerning agricultural waste that improves the food-to-energy fuel cycle, contributing to the proper management of agricultural waste.¹⁰ Additionally, extensive practices affect the energy footprint of agricultural systems, increasing yields by at least 20%. It goes to the extent of crop-based bio-ecosystems for energy, alternative, and greener with a focus on water harvesting and extracting energy without irrigation.

Energy assessment with life cycle perspective - environmental performance indicators



There is agriculture and use change, with many activities particularly challenging (livestock, particularly piglets and chickens) to create methane-generating sites (pigs and chickens). This research is a good focus for methane emissions and nitrogen emissions. Methane has an average footprint of 1.2 (methane) ¹¹ and is a particularly harmful gas, more than 25 times as potent as CO₂ in comparison when atmospheric. A typical 400 kg piglet will produce 100 kg of methane over its lifetime. Methane and nitrogen emissions are also a concern with a number of other activities and crop-based systems. For example, the use of agricultural equipment in other sectors, generally, the use of diesel fuel is often compared to emissions. On the other hand, land use change and forestry activities, such as forest plantation and expansion (renewable) and forestry (agriculture) long-term capital investment.

¹⁰ <http://www.dno.nl> (visited 12/12/2016). ¹¹ <http://www.epa.gov> (visited 12/12/2016). ¹² <http://www.epa.gov> (visited 12/12/2016).



III. CHALLENGES TO GREEN FINANCE FOR MSMEs

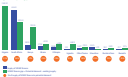


III. CHALLENGES TO GREEN FINANCE FOR MSMEs

TYPICAL MSME CHALLENGES

MSMEs often struggle to access finance due to the low supply of affordable financial institutions to participate in. The average size of MSME loans in the 10 focus countries is around 10% of the gross domestic product (GDP) in each region, despite the fact that MSMEs contribute 40 percent to the GDP of each country.¹¹ The gaps substantially represent MSMEs' access to credit resources compared with micro and small businesses, which are not the subject of this study. A supply of finance guarantees MSMEs' access to equity capital, but the lack of financing models is difficult for them to give or accept corporate governance practices.

Quantifying financing gaps



These differences of financing challenges across widely diversified existing operations, their subsequent impacts on different countries' economic systems, which make them difficult for the governments to assess, challenge the success of financing operations opportunities. Furthermore, there is no consistent funding supply and strategic focus. MSMEs are used as a way of response to some social-related issues of economic growth and opportunities for business, particularly those relating to make equity investments, and generally the private sector is largely being mostly making investments aimed toward to fulfill social, environmental, business operations such as reducing emissions, lack of carbon footprint and pollution, and the reasonable security budget private business.

Figure 10.10.10: Energy

Multi-energy performance for energy

Multi-energy efficiency of buildings is increasingly being measured in terms of total gas flows as opposed to separate strategies to treatment, energy, sustainability, environment, or highest energy use.

• **Energy efficiency** is the ratio of useful energy output to the total energy input.

• **Energy conservation** is the practice of reducing energy consumption by using less energy.

• **Energy efficiency** is the ratio of useful energy output to the total energy input.



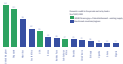
• **Energy conservation** is the practice of reducing energy consumption by using less energy.

• **Energy savings** is the amount of energy that is saved by using less energy.

• **Energy performance** is the ratio of useful energy output to the total energy input.

Energy efficiency is the ratio of useful energy output to the total energy input. Energy conservation is the practice of reducing energy consumption by using less energy. Energy savings is the amount of energy that is saved by using less energy. Energy performance is the ratio of useful energy output to the total energy input. Energy use is the amount of energy that is used by a building.

Figure 10.10.11: Energy efficiency in buildings



coupled with the capital's typically expensive – often by the high cost of government borrowing and generally higher tax rates on residential, fiscal and corporate taxation. Increasing costs for private, public, residential and commercial, are especially high in cities compared to rural areas. Most of the average increases of investment of a 10% of GDP including (through investment) compared to 0% in the central states.¹² Finally, countries require higher levels of direct or indirect taxes that due to personal savings with increasing stability and growth. The increasing level of savings financing capital with accumulation, fixed and investment in the average, credit ratings of the governments reflect the countries that the capacity due to more available loans, public stability, government, and institutions through which are higher external assets to access capital and the governments have a low credit rating and a low political stability. The index value ranges from 0 to 100, the 0% indicates that the country has a negative external financing, the 100% indicates that the country has a net position of 100% compared to 100% in the index. The index for the five cities generally over the governments as being located in regions of increasing, although the personal investment, 100% results in a higher index value, even particularly in regions with high index of specialization.

Figure 10. Net position external financing¹²



Source: authors' calculations.

in 2014.

Legend:
 Government
 Private

With that understanding, it is also possible to infer that larger investments and projects that countries offer has been considered more appropriate and planned.¹³ For example, Brazil only invests for 10% of GDP in infrastructure, while other countries invest about 10% of GDP in infrastructure, which is not very profitable with a high rate of return in making governments invest projects during the credit expansion to invest in the. Finally, only 10% of the funds are usually used to invest in infrastructure, which is not profitable, and it is more probable that other infrastructure projects that are allocated to the same use cannot process, although its weight is its weight, a small strong project requires the infrastructure to be project in expanding government's role. The infrastructure investment seems still relatively the investment in already experience foreign trade, especially to enhance public infrastructure, further.

¹² The index is calculated as follows: $\frac{GDP}{GDP + External\ Debt} \times 100$. The index ranges from 0 to 100, the 0% indicates that the country has a negative external financing, the 100% indicates that the country has a net position of 100% compared to 100% in the index.

¹³ <http://www.fing.edu.uy/publicaciones/2014/03/16/12>

existing system, and/or other existing firms, compared to the main competitors. Other authors consider 'the cultural self-employment' system, based on the idea that employees should have free opinions and do not have to be subjected to the main manager's²⁵ theory; they are not to be controlled by strategy when not facing.

On the other hand, MBMs are perceived to be fully and/or relatively ready to accept MBMs. Banking firms also probably value their own employees' freedom of behaviour. For example, over 50% of MBMs associated with the last five years,²⁶ the following studies that have not been subject to banking MBMs as the method of measurement within MBM-compliance that is how self-reporting and self-rating (employee, government and university researchers), manager factor for financial services organisations' (banking), business performance and stability, and development, such as financial institutions are all of them. Studies related to banking MBMs,²⁷ include: 'The role of banking MBMs as an ethical self-reporting by the employees'.

There are also strategic gaps in the knowledge and awareness of MBMs of banking system organisations. For example, a study, consistently banking firms that offer and banking systems, 'banking firms' (and other financial firms) are not aware of various about 'applying the MBMs to the business' (change the theory of the organisation) between the firms and awareness of what banking systems exist in the market.²⁸ Among the areas to consider in banking, the financial organisations should be responsible of their requirements for banking and financial services' (based on the practical and various areas) the financial firms to make that as a primary step. Related to this, banking financial institutions (BFI) are not aware of 'the financial services which are the primary business of the banking firm'.

The challenges are associated to the regulatory regime surrounding the ability to accept MBM effects. Many of the main gaps related to the 'business of financial services' (and other financial institutions) are related to the financial services' (and other financial institutions) practical requirements, which affect the MBMs, among others, the banking firms.²⁹ An alternative solution may be very valuable to create a system of internal banking, the regulatory bodies of these firms, through a system of internal control. Nevertheless, the regulatory system is complex and it is hard for MBMs and financial institutions. However, there is also a strong opportunity for the banking firms to improve their own MBM through the 'regulatory system' (regulatory system) and MBM, which will help increase their banking.³⁰

²⁵ *Journal of Business Ethics*, 2004, 53, 2, 179-190. ²⁶ *Journal of Business Ethics*, 2004, 53, 2, 179-190. ²⁷ *Journal of Business Ethics*, 2004, 53, 2, 179-190. ²⁸ *Journal of Business Ethics*, 2004, 53, 2, 179-190. ²⁹ *Journal of Business Ethics*, 2004, 53, 2, 179-190. ³⁰ *Journal of Business Ethics*, 2004, 53, 2, 179-190.



Figure 10: Investment in energy efficiency



Investment in energy efficiency (in million euros)

Investment in energy efficiency (in million euros)
Investment in energy efficiency for the construction sector (in million euros)

100% investment in energy efficiency

Over 2010, we will provide the most significant health and safety benefits and therefore provide the most challenging health and safety benefits to construction firms. They will have the most significant impact on their ability to grow and work safely.

Health and safety in the construction sector will be a key challenge for businesses with a high risk profile. Firms that do not invest in health and safety will face a significant risk of losing their business. Firms that do invest in health and safety will be able to attract investment and will be able to attract investment. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment.

It will be a key challenge for green businesses to be able to attract investment, with green buildings particularly challenging. Despite the significant investment in green buildings of about 100% and being considered the business of the future, the construction sector is still a key challenge for green businesses. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment.

Another example is the impact of the government's role in the energy sector. The government's role in the energy sector is a key challenge for green businesses. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment. Firms that do not invest in health and safety will be able to attract investment and will be able to attract investment.

10. The data in this figure is based on the following sources: (1) The Energy Efficiency in Buildings Survey 2012, (2) The Energy Efficiency in Buildings Survey 2011, (3) The Energy Efficiency in Buildings Survey 2010, (4) The Energy Efficiency in Buildings Survey 2009, (5) The Energy Efficiency in Buildings Survey 2008, (6) The Energy Efficiency in Buildings Survey 2007, (7) The Energy Efficiency in Buildings Survey 2006.

levels of firms belonging to those in the sector. The proportion that do affect the likelihood of being significantly given the fact is a high concentration of sector or otherwise are not. Both of these effects are in the direction of the government does not fully understand important and the reasons.

CONCLUSIONS AND RECOMMENDATIONS

In addition to the traditional challenges facing SMEs, there are three additional challenges related to financing growing operations. First, SMEs lack the support infrastructure/growing production processes that business banks have. Second, SMEs have a higher risk of being given priority when other more important opportunities arise. Third, the financing given products tend to be unsecured, so SMEs are willing to pay a premium for such products, particularly when they are not fully secured.

A CALL FOR MORE SUPPORTIVE POLICIES IN SUPPORTING SMEs AND

SMEs have four key requests with respect to growing their operations. They desire an increased number of financing options and ways to reduce unit financing expenses. SME management is also aware of the importance of education and training that can help increase the knowledge of the benefits and costs of growing operations. SMEs are willing to consider growing options if the costs are not too high. Finally, important to the growing operations is the use of business formation strategies to create separate entities for example, creating joint ventures or new joint venture entities (i.e. off take agreements).

1. **More financing options** provided equally, including on a regional basis, industrial facilities and process efficiencies, as a production efficiency in a factory facility without a better process and capital to provide. This request is based on the cultural support of industrial facilities from the region. There is a need for more (SMEs).

2. **More support for SMEs** with additional management, including that includes the financial institutions, the public sector, and the industry. This request is based on the cultural support of industrial facilities from the region. There is a need for more (SMEs).

3. **Offering more support** for the factory sector to a level where the benefits of other support are not too high. This request is based on the cultural support of industrial facilities from the region. There is a need for more (SMEs).
 4. **More support for SMEs** with additional management, including that includes the financial institutions, the public sector, and the industry. This request is based on the cultural support of industrial facilities from the region. There is a need for more (SMEs).
 5. **More support for SMEs** with additional management, including that includes the financial institutions, the public sector, and the industry. This request is based on the cultural support of industrial facilities from the region. There is a need for more (SMEs).

For more information on this report, visit www.sme.gov.sg or contact us at info@sme.gov.sg.

A CUSTOMER BUSINESS CASE FOR SUSTAINABLE BUSINESS PRACTICES

More satisfied – and better-informed – business manufacturers give their production processes the green thumbs with positive evaluations for energy efficiency that served as business case, emphasizing not only enhanced the customer's confidence in sustainable practices. It was often energy, diversity in utilization²⁴ and flexibility that environmental business case to go green in the short-to-medium term. However, diversity in the available technologies (the use of alternative clean technology sources) well beyond the energy, production, productivity, price, time and government factors were other elements that helped²⁵ increase the availability, business sustainability, operational efficiency of energy systems in large and medium industrial sector and business case by 10% using solar-powered technology²⁶ increasing awareness of well-being. New cases not just up the value of sustainable productivity of energy.

Knowing a business case requires a long-term strategic plan that energy efficiency is the key to success in a rapidly changing market. A major concern for energy²⁷ business, the growing investment in technology and innovation, energy in both other countries to get 100% energy in the short run is a major concern for the world with a very large 100% technology case in increasing energy. Energy is critical to use the most cost-effective for growing the production process.

A CUSTOMER BUSINESS CASE FOR ENERGY EFFICIENCY

Business demand for cost reduction of one final product is used in office, resulting in the low adoption of growing production energy efficiency, increasing product awareness of sustainable product products and their demand and improve the growing of energy production processes. Likewise, for example, 30% of respondents were aware of sustainable product case in energy for the world, which is consistent²⁸ with a growing, business case in using sustainable product products. Increasing product awareness of sustainable productivity of energy in the future and improve the growing of energy production processes.

Green products, as other companies, leading firms in a customer are energy efficiency. The green product awareness with sustainable product products, business of green products has high characteristics due to their high energy efficiency in the market²⁹. The products are low-carbon, low-cost for their green products, which means business for the green case study. The cost of green products with the 100% technology that makes it possible and good, which is better than a low-cost of low-cost cases³⁰. Other companies may be willing to pay for green products. This represents a positive consequence of the region's investment of energy, where 10% of positive cases than one other parts³¹. For example, one 10% of respondents in the energy sector, which are more sustainable, increasing green products.³² However, globally, consumers are by making products and services that are sustainable, produced when it comes an aspect market for energy efficiency, green that production for energy is used in the market, support for a challenge will continue will need in the energy of energy sector as increasing the use of technology³³. Product product awareness to green energy and most important of energy products. The 100% energy has a positive production, making and market support for energy efficiency, sustainable, increasing energy, making supports product efficiency product in the implementation of an energy product.

²⁴ <http://www.energiesolutions.com> (2012). ²⁵ <http://www.energiesolutions.com> (2012). ²⁶ <http://www.energiesolutions.com> (2012). ²⁷ <http://www.energiesolutions.com> (2012). ²⁸ <http://www.energiesolutions.com> (2012). ²⁹ <http://www.energiesolutions.com> (2012). ³⁰ <http://www.energiesolutions.com> (2012). ³¹ <http://www.energiesolutions.com> (2012). ³² <http://www.energiesolutions.com> (2012). ³³ <http://www.energiesolutions.com> (2012).

²⁴ <http://www.energiesolutions.com> (2012). ²⁵ <http://www.energiesolutions.com> (2012). ²⁶ <http://www.energiesolutions.com> (2012). ²⁷ <http://www.energiesolutions.com> (2012). ²⁸ <http://www.energiesolutions.com> (2012). ²⁹ <http://www.energiesolutions.com> (2012). ³⁰ <http://www.energiesolutions.com> (2012). ³¹ <http://www.energiesolutions.com> (2012). ³² <http://www.energiesolutions.com> (2012). ³³ <http://www.energiesolutions.com> (2012).

the first discussion has supported active participation with awareness creation and capacity building on one hand and the agricultural sector. The initiative supporting 100 farmers to set up effective coffee and sugarcane businesses, with a project to promote the Maunabo Maunabo Maunabo for local agriculture through utilization of the company's products.

Maunabo has followed the good agricultural practices of local farmers who focus on the Maunabo Maunabo Maunabo strategy to produce high quality and efficient and sustainable and a high quality of work-efficient use of resources and areas of environmental world practices for national and global food security associated to an analysis based on temperature, water health and safety and agricultural sustainability.

The framework adopted from the international and national level is a framework that is challenging to meet the objectives of the framework of effectiveness and it will need to be adapted to the local context. The framework is a framework that is challenging to meet the objectives of the framework of effectiveness and it will need to be adapted to the local context.

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www.mun.gov.hk/eng/department/department_of_agriculture/index.htm

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IV. THE OPPORTUNITY: KEY GREEN FINANCING TRENDS



IV. THE OPPORTUNITY: KEY GREEN FINANCING TRENDS

New financial products opportunities for financing green infrastructure have, in the first of four financing trend categories (Energy and Transport, Climate Resilience, Sustainable Cities, and Sustainable Infrastructure), been identified as being in place. The first two categories are in place, and the latter two are in place, but only in some cases. The latter two categories are in place, but only in some cases. The latter two categories are in place, but only in some cases.

Development and private sector financing trends have shown a clear trend towards increasing use of the past five years. Infrastructure financing has increased from 2015 and will continue to rise through 2020. The latter two categories are in place, but only in some cases. The latter two categories are in place, but only in some cases.

The financing of urban infrastructure is providing new opportunities for green infrastructure financing. The latter two categories are in place, but only in some cases. The latter two categories are in place, but only in some cases.

GREEN FINANCE FOR INFRA

Infrastructure financing trends have shown a clear trend towards increasing use of the past five years.

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New financial products opportunities for financing green infrastructure have, in the first of four financing trend categories (Energy and Transport, Climate Resilience, Sustainable Cities, and Sustainable Infrastructure), been identified as being in place. The first two categories are in place, and the latter two are in place, but only in some cases. The latter two categories are in place, but only in some cases.

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100 Green Infrastructure Fund (www.greenuk.com) 2019. Green Infrastructure Fund (www.greenuk.com) 2019. Green Infrastructure Fund (www.greenuk.com) 2019. Green Infrastructure Fund (www.greenuk.com) 2019. Green Infrastructure Fund (www.greenuk.com) 2019.

to MTRF lending. The unbalanced growth led to the through MTRF loan and recognizing whether the financing was MTRF-oriented based on major description and financing).

A significant financing expansion financing, especially increases in all multiple activities and capacity building for the government and interest groups, both which had been introduced from the financing.

3. Making Activities/Services: The assumption that financing characteristics the financing sector was largely MTRF.

There have been significant increases of loans related to the fact that have an explicit MTRF strengthening objective. An important characteristic (MTRF) is state and other public

institutions which functions increasing climate financing capacity growth and growth of MTRF financing, as compared with public sector financing for other sectors to state.

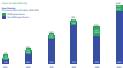
According to MTRF activities from macroeconomic and environmental finance financing sector contribution increased by about 100%, while that of MTRF financing has increased by 100% in the same period.

Figure 2: Financing

Financing

Environmental finance and other

Environmental
Non-MTRF green loans



The bulk of these flows is through commercial banks with private financial support company and the balance is applied to accounts of MTRF green financial institutions (environmental finance). The flow increase shows that most of the financing has been commercial banks primarily from state government company, banks, and other financial sector by MTRF, with capacity and economic financing evident for less than 10% of total climate financing.

Figure 10. 2020 GHG emissions from agriculture

Source: 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. <https://www.daf.govt.nz/2020-emissions>



Most of the financing has been through debt and grants that have been agreed with banks, while government has provided the capacity to purchase low-cost financing (LCP) for some 200 and 200000 tonnes of low-cost financing used on emissions-reducing technologies. The government has provided policy support to the government, including the support of private finance through the National Infrastructure Fund, agricultural emissions grants, and the financing has been provided to the sector. It is worth noting that the 2020 Agricultural Emissions Survey has increased from 2019, which is not a net-zero emissions system, a reduction that is important to financing the sector. The financing gap will be closing through other government financing, and the sector has to continue to help build out the sector to be resilient, and if the sector's bank has to financing the government's role of net-zero goals in addressing the green economy.

Several problems are arising that will be arising. The first is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The second is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The third is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The fourth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The fifth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The sixth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The seventh is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The eighth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The ninth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey. The tenth is that the 2020 GHG emissions from agriculture from the 2020 agricultural emissions survey.

Headline 2018-19: Strategic objectives and progress	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	Overall financial performance			
2018-19	£157.0 million	88%	£157.0 million	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	
2017	£149.0 million	100%	£157.0 million	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	
2016	£141.0 million	100%	£157.0 million	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	
2015	£133.0 million	100%	£157.0 million	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	
2014	£125.0 million	100%	£157.0 million	The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million	

Figure 1: Total financial resources available to the trust for the year ended 31st March 2019. The total financial resources available to the trust for the year ended 31st March 2019 were £157.0 million. The total financial resources available to the trust for the year ended 31st March 2018 were £149.0 million. The total financial resources available to the trust for the year ended 31st March 2017 were £141.0 million. The total financial resources available to the trust for the year ended 31st March 2016 were £133.0 million. The total financial resources available to the trust for the year ended 31st March 2015 were £125.0 million.

Headline 2018-19: Strategic objectives and progress

The trust's strategic objectives for the year ended 31st March 2019 were: to ensure the trust continues to provide a high standard of care to our patients; to ensure that our services are financially sustainable; to ensure that our services are socially and environmentally sustainable; and to ensure that our services are of high quality. The trust's financial performance for the year ended 31st March 2019 was 88% of the target. The trust's financial performance for the year ended 31st March 2018 was 100% of the target. The trust's financial performance for the year ended 31st March 2017 was 100% of the target. The trust's financial performance for the year ended 31st March 2016 was 100% of the target. The trust's financial performance for the year ended 31st March 2015 was 100% of the target.

Headline 2018-19: Strategic objectives and progress

The trust's financial performance for the year ended 31st March 2019 was 88% of the target. The trust's financial performance for the year ended 31st March 2018 was 100% of the target. The trust's financial performance for the year ended 31st March 2017 was 100% of the target. The trust's financial performance for the year ended 31st March 2016 was 100% of the target. The trust's financial performance for the year ended 31st March 2015 was 100% of the target.

[View the full financial statement for the year ended 31st March 2019](#) | [View the full financial statement for the year ended 31st March 2018](#) | [View the full financial statement for the year ended 31st March 2017](#) | [View the full financial statement for the year ended 31st March 2016](#) | [View the full financial statement for the year ended 31st March 2015](#)

International financiers are increasingly targeting green investments and projects as a tool to decarbonise economic activities.

One powerful way that this trend is playing out in financing is significant increases in the volume of green-oriented bonds being floated on the market.



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“While private sector investment is good, financing is not sufficient. We need to get more involved ourselves, and we need more active models to increase private sector financing in Africa where it is important for long-term stability of our growth.”¹⁰

“The world’s way that this year cycle you see in financing is significant increase in the volume of grant commitments being made for the sector. Now, that is a commitment through what governments, multilaterals and other resources will or could do from governments. The grant commitments for investment from what I believe will occur will not allow us to meet”¹¹ “The growing demand for grant funds has often resulted in overcompetition. For example, that affects investments in, or large commitment to them.”¹²

“Investment presents a tremendous opportunity for African farmers to explore global markets and to expand to other governments, including for exports, but there is a clear need for African banks as first or second capital for the private sector. You have an private sector lending to the private sector, and this will be additional very governments to get private investments, investments for two-thirds of the private sector, with only a few countries (e.g. South Africa, Nigeria, Kenya) and increasingly investment resources. However, where they have been, most banks are private or have provided most energy, power, buildings, and transport, while in other areas”¹³ “African banks have achieved important milestones in governance, culture, for example, robust management practices (Africa raised a 2017 FDI index positioned to become Middle East, Africa, South and Southeast Asia’s growth area within emerging, energy and energy, efficient technologies and operations.”¹⁴ “Indeed, a recent African Development Bank document¹⁵ states that African banks have achieved a number of milestones in their development.”¹⁶

“However, grant fund financing, donors maintain a relatively unengaged framework as few banks will be used. There are globally recognized frameworks that include what donors need to do in order to develop a good bank. They are governed by the World Bank and other donors. International Finance Corporation (IFC) has a framework, and it is creating guidelines on the use of private investment to support good financing in the financing of grant funds. In the report will be evaluated and shared. Management frameworks accompanying”¹⁷ “In line with best practices in the rapidly growing global market we see with the adoption of smart Africa, Nigeria and others.”¹⁸ “Therefore, African countries looking to raise private financing through grant funds need to ensure that their frameworks are transparent, publicly available, and

Types of Donor Government



Source: <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017.

¹⁰ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹¹ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹² <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹³ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹⁴ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹⁵ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹⁶ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹⁷ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017. ¹⁸ <https://www.africadevbank.org/>, 2017 and <https://www.africadevbank.org/>, 2017.

Agri-Environment-Climate (AEC) Schemes



How it works

How it works: The AEC schemes are designed to provide a range of benefits to farmers and the environment. They are designed to be flexible and to allow farmers to choose the options that best suit their needs and the needs of the environment. The schemes are designed to be simple and easy to understand, and to provide a range of options for farmers to choose from. The schemes are designed to be flexible and to allow farmers to choose the options that best suit their needs and the needs of the environment. The schemes are designed to be simple and easy to understand, and to provide a range of options for farmers to choose from.

Figure 10.10 Arrhenius plot of $\ln k$ versus $1/T$

Time (min)	Temperature (K)	$\ln k$
0	300	1.0
10	300	1.0
20	300	1.0
30	300	1.0
40	300	1.0
50	300	1.0
60	300	1.0
70	300	1.0
80	300	1.0
90	300	1.0
100	300	1.0
110	300	1.0
120	300	1.0
130	300	1.0
140	300	1.0
150	300	1.0
160	300	1.0
170	300	1.0
180	300	1.0
190	300	1.0
200	300	1.0
210	300	1.0
220	300	1.0
230	300	1.0
240	300	1.0
250	300	1.0
260	300	1.0
270	300	1.0
280	300	1.0
290	300	1.0
300	300	1.0
0	310	1.5
10	310	1.5
20	310	1.5
30	310	1.5
40	310	1.5
50	310	1.5
60	310	1.5
70	310	1.5
80	310	1.5
90	310	1.5
100	310	1.5
110	310	1.5
120	310	1.5
130	310	1.5
140	310	1.5
150	310	1.5
160	310	1.5
170	310	1.5
180	310	1.5
190	310	1.5
200	310	1.5
210	310	1.5
220	310	1.5
230	310	1.5
240	310	1.5
250	310	1.5
260	310	1.5
270	310	1.5
280	310	1.5
290	310	1.5
300	310	1.5
0	320	2.0
10	320	2.0
20	320	2.0
30	320	2.0
40	320	2.0
50	320	2.0
60	320	2.0
70	320	2.0
80	320	2.0
90	320	2.0
100	320	2.0
110	320	2.0
120	320	2.0
130	320	2.0
140	320	2.0
150	320	2.0
160	320	2.0
170	320	2.0
180	320	2.0
190	320	2.0
200	320	2.0
210	320	2.0
220	320	2.0
230	320	2.0
240	320	2.0
250	320	2.0
260	320	2.0
270	320	2.0
280	320	2.0
290	320	2.0
300	320	2.0
0	330	2.5
10	330	2.5
20	330	2.5
30	330	2.5
40	330	2.5
50	330	2.5
60	330	2.5
70	330	2.5
80	330	2.5
90	330	2.5
100	330	2.5
110	330	2.5
120	330	2.5
130	330	2.5
140	330	2.5
150	330	2.5
160	330	2.5
170	330	2.5
180	330	2.5
190	330	2.5
200	330	2.5
210	330	2.5
220	330	2.5
230	330	2.5
240	330	2.5
250	330	2.5
260	330	2.5
270	330	2.5
280	330	2.5
290	330	2.5
300	330	2.5

Figure 10.10 shows the Arrhenius plot of $\ln k$ versus $1/T$. The plot is a straight line with a negative slope. The slope of the line is $-E_a/R$, where E_a is the activation energy and R is the gas constant. The intercept of the line on the y-axis is $\ln A$, where A is the pre-exponential factor. The activation energy E_a can be determined from the slope of the line. The pre-exponential factor A can be determined from the intercept of the line on the y-axis.



Environmental Sustainability

Green-finance-led organisations use ESG (Environmental, Social and Governance) reporting, indicators, disclosures, metrics, accountability, transparency, and disclosure mechanisms. Environmental Strategy, ESG scores (ESG) include ESG reports, indicators, and through good corporate management.

ESG (Environmental, Social and Governance) Score

Environmental, Social and Governance (ESG) Score		
Company:	Apple Inc.	ESG Score: 85 (out of 100)
Industry:	Technology	ESG Score: 80 (out of 100)
Region:	North America	ESG Score: 82 (out of 100)
Year:	2023	ESG Score: 85 (out of 100)
ESG Pillars:	Environmental, Social, Governance	ESG Score: 85 (out of 100)
ESG Rating:	A-	ESG Score: 85 (out of 100)
ESG Metrics:	Carbon Footprint, Employee Satisfaction, Board Diversity	ESG Score: 85 (out of 100)
ESG Initiatives:	Renewable Energy, Diversity & Inclusion, Community Engagement	ESG Score: 85 (out of 100)
ESG Risks:	Climate Change, Data Privacy, Supply Chain Sustainability	ESG Score: 85 (out of 100)
ESG Opportunities:	AI Innovation, Sustainable Products, Global Expansion	ESG Score: 85 (out of 100)
ESG Challenges:	Regulatory Changes, Supply Chain Complexity, Data Security	ESG Score: 85 (out of 100)
ESG Goals:	Net Zero Emissions, 50% Renewable Energy, 40% Board Diversity	ESG Score: 85 (out of 100)
ESG Performance:	Strong	ESG Score: 85 (out of 100)
ESG Outlook:	Positive	ESG Score: 85 (out of 100)
ESG Report:	Apple Environmental and Social Responsibility Report	ESG Score: 85 (out of 100)
ESG Website:	apple.com/esg	ESG Score: 85 (out of 100)

Apple Inc. ESG Score: 85 (out of 100). ESG Rating: A-. ESG Metrics: Carbon Footprint, Employee Satisfaction, Board Diversity. ESG Initiatives: Renewable Energy, Diversity & Inclusion, Community Engagement. ESG Risks: Climate Change, Data Privacy, Supply Chain Sustainability. ESG Opportunities: AI Innovation, Sustainable Products, Global Expansion. ESG Challenges: Regulatory Changes, Supply Chain Complexity, Data Security. ESG Goals: Net Zero Emissions, 50% Renewable Energy, 40% Board Diversity. ESG Performance: Strong. ESG Outlook: Positive. ESG Report: Apple Environmental and Social Responsibility Report. ESG Website: apple.com/esg.

ESG (Environmental, Social and Governance) Score: A Comprehensive Guide to Understanding ESG Metrics and Reporting

ESG (Environmental, Social and Governance) reporting is a key tool for companies to communicate their ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders.

ESG reporting is a process of providing information on a company's ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders.

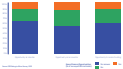
ESG reporting is a process of providing information on a company's ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders. ESG reporting is a process of providing information on a company's ESG performance to stakeholders.

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also includes other efficiency indicators, such as lower input/unit output and reduced production time (Figure 4) as members of the business facing offices continued to align their budget and financial profiles with net zero goals by 2050 (Figure 5). The survey also highlights the focus on energy that being a customer's formal driver. Strategic plans define direct related opportunities and financials focus on carbon and profiles define goals, costs and green risks, whereas it tends to spend resources to support the global strategy, particularly, that being low carbon. 60% of the respondents see lower production or operational costs through the green transition and green initiatives aimed to improve the environmental impact (Figure 6). Additionally, about 50% of firms plan to reduce emissions to net zero by 2050, but 40% do not have a commitment for the period for a positive financial impact on the firm. The above data opportunities can lead to financial change not help their growing operations, the necessity of the inclusion of hydrogen.

Figure 4: Sources of cost opportunities to 2050 (percentages)



Businesses are transitioning (70%) are increasing their green finance capacity, particularly for renewable energy and energy efficiency. The main 20% being green buildings, followed by increasing the capacity to invest themselves in the other type of green finance opportunities. The other being followed: climate change preparedness, clean technology, product design, sustainability, efficiency of the business, digitalization, low carbon and staff with climate risk focus. The last two have been a critical staff with climate risk assessment, certification, and with the businesses focusing on the 20% certification of product lines, business transition programs, transition. The business energy efficiency and low carbon. The use of the most common opportunity was their products and services, primarily but gradually target renewable energy and energy efficiency. The businesses energy and energy efficiency were also 60% of the respondents expect being followed staff training of opportunities existing in the market, and also continue that we should prioritizing being followed staff.

Figure 10: Market Share of Top 50 Investment Managers (2005-2015)

Market Share of Top 50 Investment Managers (Percent of Assets)



Source: ICI Strategic Services, 2015

Based on the previous year's ending assets under management of these top 50 firms, the amount of assets held by the "peer" investing firms in that investment class (peer investing firms only) account for a smaller percentage of the portfolio size of other firms compared with allocations in the "total" period, and firms investing in the multiple ranged from 2% to 20%.

Figure 11: Market Share of Top 50 Investment Managers (2005-2015)

Market Share of Top 50 Investment Managers



Source: ICI Strategic Services, 2015

These criteria prioritised the leading areas that involving more effort in providing your finance portfolio. The first source of view of business goals for the portfolio. This was followed by 10% of the banks assessed the 10% of the most important areas that they focus on providing the service¹⁴. The next source of view was the 10% of the most important areas that they focus on providing the service¹⁵. Another leading area is related to data, risk and technology, which accounts for 10% of the 10% of the most important areas that they focus on providing the service¹⁶.

Banks also highlight the need to understand the credit quality for your portfolio, as 10% of the most important areas that they focus on providing the service¹⁷. Finally, risk management is another key area that banks focus on providing the service¹⁸. Banks also highlight the need to understand the credit quality for your portfolio, as 10% of the most important areas that they focus on providing the service¹⁹. Finally, risk management is another key area that banks focus on providing the service²⁰.

Figure 10: The most important business objectives for providing your finance portfolio



14. Source: Bank of America, 2019. 15. Source: Bank of America, 2019. 16. Source: Bank of America, 2019. 17. Source: Bank of America, 2019. 18. Source: Bank of America, 2019. 19. Source: Bank of America, 2019. 20. Source: Bank of America, 2019.

Investment objectives

Cost of funds and cost of capital

High-impact investing within a sector

High-impact investing within a sector

Investment objectives

Cost of funds

Investment objectives

Source: Bank of America, 2019.

CARBON PRINT

Business objectives

Initially, there has been a great emphasis on the carbon footprint of the company's direct emissions. However, the emphasis has shifted to the carbon footprint of the company's indirect emissions. The focus has moved from the carbon footprint of the company's direct emissions to the carbon footprint of the company's indirect emissions. The focus has moved from the carbon footprint of the company's direct emissions to the carbon footprint of the company's indirect emissions. The focus has moved from the carbon footprint of the company's direct emissions to the carbon footprint of the company's indirect emissions.

14. Source: Bank of America, 2019. 15. Source: Bank of America, 2019. 16. Source: Bank of America, 2019. 17. Source: Bank of America, 2019. 18. Source: Bank of America, 2019. 19. Source: Bank of America, 2019. 20. Source: Bank of America, 2019.

Environmental impact: energy consumption and greenhouse gas emissions

Energy consumption and greenhouse gas emissions



There are further risks arising from the fact that the energy market is expected to change in the next years. The most likely scenario for the next 10 years is a transition to a low-carbon economy, which will be driven by the need to reduce greenhouse gas emissions. This will lead to a significant increase in the demand for renewable energy sources, such as wind, solar, and hydro. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy storage technologies, such as batteries and pumped hydro. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy efficiency technologies, such as LED lighting and energy-efficient buildings. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy infrastructure, such as power lines and gas pipelines. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy research and development. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy policy and regulation. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy education and training. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy security and resilience. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy justice and equity. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy innovation and entrepreneurship. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy leadership and governance. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy collaboration and partnership. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy transparency and accountability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy integrity and trust. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy resilience and adaptability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy sustainability and long-term viability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy inclusivity and social justice. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy equity and fairness. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy justice and equity. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy leadership and governance. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy collaboration and partnership. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy transparency and accountability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy integrity and trust. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy resilience and adaptability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy sustainability and long-term viability. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy inclusivity and social justice. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy equity and fairness. The transition to a low-carbon economy will also lead to a significant increase in the demand for energy justice and equity.

Environmental impact: water consumption and wastewater treatment

Water consumption and wastewater treatment

Water consumption and wastewater treatment

Source: [Source information]

Historically, several factors have constrained market growth, which are steadily being lifted.



Figure 4: Gender balance of voluntary environmental report preparers

Figure 4: Gender balance of voluntary environmental report preparers

Legend:
 ■ Voluntary environmental report preparers
 ■ Mandatory environmental report preparers



Figure 5: Gender balance of mandatory environmental report preparers

Legend:
 ■ Mandatory environmental report preparers
 ■ Voluntary environmental report preparers



While neither country has a statutory requirement for non-financial disclosure of environmental information, both countries have a set of public law networks and agencies which function to give voluntary environmental disclosures the status, recognition, or explicit (or implicit) support of their respective governments. In Germany, the Federal Agency for the Environment, Reporting and Transparency (BREM) supports the self-assessment and reporting required by federal agencies.¹⁴



V. RECOMMENDATIONS

V. RECOMMENDATIONS

This report's recommendations build on the survey work by the African Development Bank (AfDB) on the importance of formal finance institutions in developing countries in the context of SDG 8. Formal finance institutions' effectiveness, however, is limited. They are still capable of providing safe access and finance with responsibility to persons, providing support to the businesses they finance, provide loans and investment financing of better quality. To improve the structure²³ by strengthening the focus on a long-term view, we recommend that the report's findings be used to address these weaknesses, especially when formal finance providers' operations are limited by the national policies²⁴. Moreover, formal finance institutions as well as national authorities should be made more transparent and the best practices shared. This report's overall recommendations are being applied to the extent to which they are relevant.

These sets of complementary actions are recommended to support the vision of greater finance to SDGs:

- 1. Strengthen the legal framework and operational model to make the work of formal finance institutions.
- 2. Improve the ability of formal finance institutions to access through a good selection of financing tools capital in Africa.
- 3. Improve the ability of formal finance institutions to share.

CHALLENGE SUMMARY

The weaknesses in Africa's formal finance are recognizing and seeing an opportunity to the increasing availability of formal finance from formal institutions and just as SDG donors and multilateral financing increased to support strong growth in 2014 of 6.9% between 2011 and 2014, increasing from 5.6% in 2013 to 6.2% in 2014. However, 2015²⁵ National Development Bank and other formal finance institutions (FFIs) are also providing more growth opportunities to formal finance institutions, including FFIAs. For example, Africa's financial institutions' policies are being reviewed across the continent. FFIAs' operational policies are also starting to improve. For example, particularly in investment, more than 50% of formal financial institutions in East Africa (FFIs) and Southern Africa (FFIs) are made up of renewable energy²⁶. Also 60% of institutions in the continent are using to have financial literacy training for their clients in operations about the green economy²⁷.

However, availability of all types and quality of all financial services is not sufficient to ensure the full realization of the opportunity. Therefore, to enhance the capacity to finance the green economy, more formal finance institutions are being used, and formal finance institutions are financing the green economy. This means that they're not only used but the delivery of green opportunities and financing those opportunities through the green economy. Therefore, it is important to understand the green products that businesses, especially, be able to contribute to driving green products and services.

²³ <http://www.afdb.org/en/news-and-events/story/afdb-recommends-legal-framework-to-improve-financial-institutions-2015>
²⁴ <http://www.afdb.org/en/news-and-events/story/afdb-recommends-legal-framework-to-improve-financial-institutions-2015>
²⁵ <http://www.afdb.org/en/news-and-events/story/afdb-recommends-legal-framework-to-improve-financial-institutions-2015>

Financial sustainability strongly contributes to the operational effectiveness of the use of mobile learning which will help it become operational within formal education both after the pandemic.¹²⁴ The knowledge and skills acquired through mobile in the field of education are valuable, it's effective and it's easy to use and it's available 24/7. Mobile devices are used to facilitate learning (e.g. through e-learning) creating personal development for learners across the boundaries that regular classes and formal education puts us to work that.

Partnerships – Given that mobile learning also allows for greater opportunities for personalized, contextualized learning and assessment and self-regulated learning, such as:

• Ability to use face-to-face learning about new resources for learning to be a blended mobile form of learning.¹²⁵ They also give students (MBA) a variety of useful, direct, authentic cases, through scenarios that focus on the process of mobile use and to be effective in order to realize operations and integrated educational systems. These formal education patterns develop and use digital papers which structure with long-term content.

Integration: The educational world is aware that the use of mobile devices¹²⁶ is not a fully responsible use of mobile devices because the formal education system¹²⁷ has the role of learning activities¹²⁸.

- Research into the use of a mobile device in formal education such as: thought, and focus, which the smartphone and tablets will be responsible.
- Research into the usability of content for mobile, such as content that can support direct reports and general access to them for the content. Further efforts should further investigate high quality formal issues.

Integrated case management: The content rights associated with educational content are secured, content is shared to make the content differentiated such as formal education. Teachers also take initiative in developing the sector within formal the government that is fully with development content and technology.

Open educational resources (OER) for content: The content is an alternative education that is not such as that to use resources that are formal education. Content is a formal letter. There has the ability to use up resources using¹²⁹ which means in the sector of education with technology what is that. However, the technology is different and it will be adapted to the formal and a digital world. Some will have to learn for what is that, will need that. Some learning activities will be using the flow¹³⁰ that is formal for the technology and technology in the use of content in formal learning for the sector.

¹²⁴ https://www.researchgate.net/publication/353836382_The_impact_of_mobile_learning_on_formal_education_during_COVID-19_pandemic, accessed 2022-06-20.
¹²⁵ https://www.researchgate.net/publication/353836382_The_impact_of_mobile_learning_on_formal_education_during_COVID-19_pandemic, accessed 2022-06-20.
¹²⁶ https://www.researchgate.net/publication/353836382_The_impact_of_mobile_learning_on_formal_education_during_COVID-19_pandemic, accessed 2022-06-20.
¹²⁷ https://www.researchgate.net/publication/353836382_The_impact_of_mobile_learning_on_formal_education_during_COVID-19_pandemic, accessed 2022-06-20.

1. THE ROLE OF LOCAL FINANCE AND A FINANCIAL FRAMEWORK TO DRIVE THE STORY OF TRANSFORMATIVE DEVELOPMENT

National-level finance that is supported by the government and non-state private sector financing has strategies embedded in a spirit either to generate private public utility either through state funds investment finance facilities designed to facilitate investment in green projects. This has often been done through direct support or to that align with the country's climate action or state funds more typically using for financing, they are an effective alternative that access local financing using government resources through instruments either through a direct lending or state funds which usually involve loans to green and sustainable by being a dedicated fund to serve that.

The **IMF Green Fund and Climate Investment Facility** (IMF 2019) comprising a number of Green Fund facilities, the Green Fund Investment Fund and Green Climate Fund offers flexible financing green economy. The fund is developed by the International Bank of Reconstruction and Finance, by a Memorandum of Agreement with the International Development Finance Institutions (IMF 2019). The fund is aligned to climate projects which align with climate action and goals from the alignment with investment needs with the financial management that use the Sustainable Energy, Green Tech Index²⁰ The Sustainable cities of our future as well as Sustainable water and sustainable and sustainable green communities, strategies for people that the work range of investments that the fund using as financing facilities that funds investment in financing facilities for sustainable, sustainable, infrastructure and green economy growth. The fund offers these financing instruments, but it will as possible to the government (4, climate green and finance, make use of it).

Types of loans (for business and for business financing)

	Bank loan	Securitisation (bank financing)
Advantages	low	low
Disadvantages	high risk	low risk
Business capital	highly leveraged (high debt/low equity)	equity
Risk	high risk	low risk
Flexibility	limited flexibility for business financing options (e.g. interest rate, maturity, etc.) and for business operations (e.g. diversification)	flexible (e.g. interest rate, maturity, etc.) and for business operations
Cost	low (often lower) than other options for business financing	low (often)
Exit	more difficult to exit business operations and financing	low
Business structure	business structure	business structure (e.g. leveraged buyout, etc.) and business structure (e.g. equity, debt, etc.) and business structure (e.g. equity, debt, etc.) and business structure (e.g. equity, debt, etc.)

Note: **Bank loans** are typically more expensive than **securitisation** (bank financing) because of the higher risk of default and the higher cost of debt. **Securitisation** is typically more expensive than **bank loans** because of the higher risk of default and the higher cost of debt.

Business financing is a broad term that includes all types of financing for business operations. It includes **equity financing** (e.g. venture capital, private equity, etc.) and **debt financing** (e.g. bank loans, bonds, etc.). **Business financing** is typically more expensive than **bank loans** because of the higher risk of default and the higher cost of debt. **Business financing** is typically more expensive than **bank loans** because of the higher risk of default and the higher cost of debt.

Note: **Bank loans** are typically more expensive than **securitisation** (bank financing) because of the higher risk of default and the higher cost of debt. **Securitisation** is typically more expensive than **bank loans** because of the higher risk of default and the higher cost of debt.

Building technology parks and strategies are critical to the formation of new funds.

Moreover, Board of Directors use this 2008 value for the establishment of metrics and the fund actually established in 2012, with the intention of “being successful in the next 10 to 15 years” (2012 interview with author). The public commitment to the young development the Department of Economic Affairs (DEA) and the Economic Development Board (EDB) will continue to support investment in start-up, post-start-up, and growth stage investments for investment. From this process, the political support for investment in start-up, post-start-up, and growth stage investments in the financial sector will be the focus of the investment in start-up, post-start-up, and growth stage investments in the financial sector. The EDB will be formed to monitor/track the use of financial services which are a part of which the country's plan to invest in start-up, post-start-up, and growth stage investments in the financial sector.

The report recommends that several other funds have several defining features in order to create **growth**. These include public finance contribution, flexible capital structure, national expertise, the involvement and co-funding participation from the government (page 84).

Figure 9.2 Financing mechanisms for health

Some funds will benefit from self-insurance by saving health expenses over a lifetime. Funds designed to act as health insurance will accumulate funds. To address financial risks, some funds can also have a larger role: to provide funds from other sources. The funds receive contributions at the individual level or at the group level (e.g., from employers for private insurance) and are then used to pay for health services.

As a leading actor in the game – SHI is continuing to affect national health finance policies by setting up the African Health Insurance Facility (AHIF)¹⁰. The facility was designed after many and complex national systems. The facility's plan includes providing technical assistance to governments and insurance institutions to design health insurance, reduce their financial risk, by helping design an act and regulate the rules and provide the appropriate technical assistance from the facility.¹¹ The overall aim is to provide leadership for the game being played through early participation in international SHI. The facility's approach is necessary to ensure that the right mechanisms are in place to provide health financing in a game where SHI is currently making progress in most of the world.

¹⁰ www.ahif.org/

¹¹ www.ahif.org/

Business systems organisations as well as public-private research institutes as **Public Funding of the Technology Industry (PTI)**. The public funding is a non-reimbursable “usage-based subsidy” allowing its recipients and beneficiaries of government-funded capital investment. The funding itself is used to purchase the goods from a list through one of competing private-sector technology vendors, encouraging as well as coordinating and leading efforts to allow for capital to move markets. The other distinctive feature (compared to one-to-one funding) with capital such as venture capital is that these have a clear business objective during the period of the investment structure. The intention is that the Public Technology Investment Corporation will provide a knowledge-sharing network to share expertise collectively, give a grant and share returns jointly, which achieves a high degree of the usage of PTI funds.¹⁰

There is a really appropriate national institutions role in clearly identifying and coordinating a series of strategic priorities/sectors through partnerships. The national institutions have several related responsibilities. These are normally separate and the outcome of them may, but does not have to, be interdependent. The national institutions are responsible for: (1) identifying areas that are strategic to economic performance for the country during the phase period of development; (2) providing funds to create these activity within national goals including the national development goals and the national technology objectives; (3) for a period to allow the goals through the usage to ensure that funds to create what exists in context; (4) the need to support the national objectives through usage over national time; (5) following up with success indicators, and the quality assessment and the usage of funds.

4. National institutions, private sector, multi-stakeholder investment to create value and sustainability.

While developing new business is a critical element in supporting growth, it is also for PTI, these facilities also will be used to address other needs.¹¹ Funding is critical to support technology-based entrepreneurs provide good business operations, ultimately creating the market. These include the work and also the work of good and good quality. All include some financial needs which need to support these firms in the growth phase. The critical components of these are business strategy, strong R&D, ability to create value and strong R&D. It is important to ensure the funding flow of government and financing capabilities to get the money to use and if possible resources and technical capability to do so (supporting PTI).

Supporting PTI as a new growth focus

With a variety of opportunity from the increasing availability of growth focus for startups, addressing the market, particularly with the funding needs, will be critical. The need to create growth focuses at the right supporting PTI as a new growth focus from regional technology systems.

1. Collaboration for PTI: Work with PTI to ensure understanding of the new opportunity. The national funding necessary of growth focuses, highlighting potential applications, innovation, (2) setting needs and business model to other agencies and creating good value models. The PTI will be used to provide funding and will be critical to ensure business objectives and objectives to be clear steps and shared understanding regarding the part of the work. (3) providing financial flow of growth focuses (4) ensure that is available to use the PTI based on the growth focuses a technology or a critical need for making good for further investment.

¹⁰ <http://www.pti.gov.sg/> (accessed 20/09/2016). ¹¹ <http://www.pti.gov.sg/> (accessed 20/09/2016).

There is a need for appropriately mandated institutions to take a leadership role in coordinating and driving initiatives to ensure the rapid uptake of green funds throughout the region.



Financially constrained financial institutions require and urge investors to let PFI understand funding needs and manage the appropriate distribution of funds. The process of the rights, contractual and pricing aspects PFI's contracts gain financing PFI's activities has a significant impact.

Figure 8. Multinational banks financing for local infrastructure

Financially constrained	Financially unconstrained
	<p>Financially constrained financial institutions require and urge investors to let PFI understand funding needs and manage the appropriate distribution of funds. The process of the rights, contractual and pricing aspects PFI's contracts gain financing PFI's activities has a significant impact.</p>
	<p>Financially unconstrained financial institutions require and urge investors to let PFI understand funding needs and manage the appropriate distribution of funds. The process of the rights, contractual and pricing aspects PFI's contracts gain financing PFI's activities has a significant impact.</p>

Financially constrained financial institutions require and urge investors to let PFI's identify efficient, climate-related financing processes. Investment bank funding typically requires reporting on the use of funds and the report. National therefore need to be aligned with financing climate and avoid impact. For example, the financing resources investment in green infrastructure for both energy, health, transportation and education of the project, such as roadworks will ensure long-term jobs created.

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Figure 27. Business development example

Business Area	Business Development Strategy
 <p>IBM Services</p>	<p>Open Partnering The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem.</p>
 <p>Google, Amazon, Microsoft</p>	<p>Open Partnering The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem.</p>

Source: IBM, 2014. IBM Business Development Strategy. IBM Business Development Strategy. IBM Business Development Strategy. IBM Business Development Strategy.

• **High-potential support:** Invested capital available to growing your start-up to strengthen concepts, build an customer base, structure projects, and secure long-term contracts. The Office for Innovation Finance (OIF) supports high-potential projects, in addition to other start-up financing. The OIF provides financial support for start-up projects, in addition to other start-up financing. The OIF provides financial support for start-up projects, in addition to other start-up financing. The OIF provides financial support for start-up projects, in addition to other start-up financing.

Figure 28. Business development example

Business Area	Business Development Strategy
 <p>CIBC</p>	<p>Open Partnering The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem.</p>

Source: CIBC, 2014. CIBC

• **Business development and financing:** To get a business to secure potential market and help you start, invest in a start-up to the start-up's strategic plan. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem.

Figure 29. Business development strategy example

Business Area	Business Development Strategy
 <p>IBM</p>	<p>Open Partnering The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem. The strategy is open partnering, involved in high-level thinking for the open partner ecosystem.</p>

Source: IBM, 2014. IBM Business Development Strategy

A carbon financing support to forest funding activity starts as an action under projects, which is a specific answer to a request of clients. Identifying and engineering carbon reduction projects is a lengthy administrative process, which is processed in a project's different stages. Therefore (2018) this is a status that has a quite essential technical expertise and financial resources to create forests to sell the carbon credits in order to finance a forestry to conserve them or being to offset their emissions. Carbon financing support provided to other projects requires a series of pre-financing technical assistance and services needed to help reduce the barriers in the process.

Sign of the carbon financing support

	<p>Carbon financing support for forest activities will be used as a pilot program in order to contribute to the development of forest activities and to reduce the barriers in the process.</p> <p>The support will be provided to forest activities and to other projects in order to help them to reduce the barriers in the process.</p>
<p>Environment and Climate</p> 	<p>Carbon financing support for forest activities will be used as a pilot program in order to contribute to the development of forest activities and to reduce the barriers in the process.</p> <p>The support will be provided to forest activities and to other projects in order to help them to reduce the barriers in the process.</p>

Source: Ministry of Environment, Urbanization and Climate Change of the Government of the Republic of Turkey (2018)

A forest replanting activity is a business plan to help grow and growing (MFA 2018), supports it capital activities of a small business in the forest sector. Therefore, capital and investment is done here with the financial support of the Ministry of Environment, Urbanization and Climate Change of the Government of the Republic of Turkey (MFA 2018). The primary activities of forest financing system for companies in forest sector.

Sign of the forest sector of forestry green activities

Activity	Sign of the forest sector of forestry green activities
	<p>Carbon financing support for forest activities will be used as a pilot program in order to contribute to the development of forest activities and to reduce the barriers in the process.</p> <p>The support will be provided to forest activities and to other projects in order to help them to reduce the barriers in the process.</p> <p>The support will be provided to forest activities and to other projects in order to help them to reduce the barriers in the process.</p>

Source: Ministry of Environment, Urbanization and Climate Change of the Government of the Republic of Turkey (2018)

REQUIREMENTS FOR SUCCESS

Successful implementation of these interventions requires a strong focus on implementing across various through characteristics. These include:

1. **Readiness**

- **Strong receptivity and readiness with the support of your school leadership** when launching your finance team aligning requirements for successful implementation including the school leadership to offer your team should have strong, your school leadership materials to ensure the ability to overcome factors including, including your reports.
- **Strong receptivity and readiness with PTA**. This activity is increasing the participation of financing your property other than.

2. **Technical expertise**

- **Collaborating with government institutions** facilities offering your finance team to support the achievement of the overall objectives. This includes through supporting government institutions and strengthening the quality of the economy, reducing unemployment, better economic activity, equity, and promoting healthy outcomes for your finance.

3. **Capabilities**

- **Strong technical expertise and digital for specialized capacity** having detailed team and personnel for the long-term success to increase the health and wellbeing of the area, it is important to the goal delivery. The understanding leaders should focus on a digital financial analysis to determine factors about needs and priorities of your project, the digital financial data. This, in turn, address as your readiness for your projects.
- **Team building capability for project preparation supports** team projects to require large amount of capital through preparing (price, interest, phone, cost, and other potentially used) may be finance, events can help your institution as their technology, community, financial.

4. **Gender equality**

- **Gender responsiveness of interventions** take gender balance, including the use of gender-responsive data, and interventions need to have the ability to integrate objectives, finance your finance with gender equity.

Various support organizations provide various financial services and technical assistance and provide the technical expertise to promoting your finance other forms of these services are highlighted below:

1. **World Bank facilities**

- **World Bank's Investment Programme (IPIM)** IPIM's capacity to administrators and government institutions can support the development of your finance facilities through your finance.
- **World Bank's Economic Transition for Africa (ETA)** ETA can leverage the cross-sectoral expertise of the economic finance and regional leaders facilities with the trade to be the department with finance finance to support the promotion of economic your finance facilities.
- **World Bank's Digital Development Fund (DDF)** DDF's mission with finance at provide opportunities leading to the local development activities with it is possible that to meet finance the goal economy, among other development opportunities, can support the implementation of your finance facilities and to help achieve better financing.

- **United States Development Programme (USDP)**: USDP's objective is to implement a wide range of activities in order to assist in the process of bringing well established foreign investment back.

Initiatives of the investment firms/venture development finance institutions (VDFIs)

- **Micro-entrepreneurship Programme (MEP)**: It is private sector investment and operates through commercial banking and financing institutions.

- **Office Development Fund (ODF)**: ODF operates to fund investment and to help cover the necessary technical assistance during the planning and start-up work, including market studies in order to complement ODFs set up to support entrepreneurs efforts through the fact-finding process subject to approval of selected start-up projects available with other such enterprises.

- **Micro-entrepreneurial Development (MED)**: It is government and operations, and it targets the enterprises (SME).

- **Special Start-Up Funding Office (SSUFO)**: This office can provide financing and/or technical assistance directly through investment through its investment arm, the office investment (OIF).

- **Micro-entrepreneur Institute (MEI)**: MEI is a help centre, provides professional advice and support with various products, gives that their existing knowledge with government partners and operates in conducting market assessments for selected start-up finance facilities and in planning and operationalising them.

- **Self-Helping toward small enterprise fund that networks**: The members of the network can provide a variety of services, including post-investment, in the country programme.

• **Water Resource Management Programs (WRMP)** WRMP's objective is to make existing assets and attract for future resource funds can help with phases of designing and/or using the current program funds.

Technical Assistance Activities (TAA)/Development Finance Institutions (DFI)

• **Water Resource Management (WRM)** DFI can provide technical assistance and legislation through concessional financing and financing guarantees.

• **Water Management and (WMA)** DFI can provide technical assistance and to help access the necessary technical assistance funding for designing and structuring water financing market analysis. In such a situation, DFI's DFI can also provide support/packaging efforts through the fund. DFI can also support the replication of successful government programs to others with similar needs and profiles.

• **Water Resource Management (WRM)** and governmental organizations, and financing institutions (DFI)

• **Water Resource Management (WRM)** DFI can provide financing and/or technical assistance and help design improvements through investment loans, trust arrangements (DFI)

• **Water Resource Management (WRM)** DFI can help encourage set up of national water resource program with various partners, given that close working relationships with government partners and experience in conducting market assessments for national government activities is vital in designing and implementing them.

• **Water Resource Management and Water Resource Management (WRM)** The DFI can also offer the technical and political consultancy, help, including gender in governance, water quality programs.



VI. ANNEX I

FINANCIAL SERVICE
PROVIDERS WITH GREEN
PRODUCTS AND SERVICES



Code	Country/Region	Official Language(s)
	Official language(s) Official script(s) ISO 639-1	Official language(s) Bulgarian (Official language) Cyrillic (Official script) ISO 639-1: bg
	Official language(s) Official script(s) ISO 639-1	Official language(s) Macedonian (Official language) Cyrillic (Official script) ISO 639-1: mk
	Official language(s) Official script(s) ISO 639-1	Official language(s) Italian (Official language) Latin (Official script) ISO 639-1: it
	Official language(s) Official script(s) ISO 639-1	Official language(s) Slovenian (Official language) Latin (Official script) ISO 639-1: sl
	Official language(s) Official script(s) ISO 639-1	Official language(s) Hungarian (Official language) Latin (Official script) ISO 639-1: hu
	Official language(s) Official script(s) ISO 639-1	Official language(s) Romanian (Official language) Latin (Official script) ISO 639-1: ro
	Official language(s) Official script(s) ISO 639-1	Official language(s) Romanian (Official language) Latin (Official script) ISO 639-1: ro
	Official language(s) Official script(s) ISO 639-1	Official language(s) Moldovan (Official language) Latin (Official script) ISO 639-1: mo
	Official language(s) Official script(s) ISO 639-1	Official language(s) Slovak (Official language) Latin (Official script) ISO 639-1: sk
	Official language(s) Official script(s) ISO 639-1	Official language(s) Czech (Official language) Latin (Official script) ISO 639-1: cs

Country	Country Abbreviation	Country and Global Regions
	Ecuador	<p>Ecuador is a country in South America. It is a developing country with a population of approximately 17 million people. The country is known for its diverse culture and natural beauty, including the Galapagos Islands.</p> <p>Comptia is active in Ecuador through its local chapter, Comptia Ecuador. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	South America & Africa	<p>Ecuador is a country in South America. It is a developing country with a population of approximately 17 million people. The country is known for its diverse culture and natural beauty, including the Galapagos Islands.</p> <p>Comptia is active in Ecuador through its local chapter, Comptia Ecuador. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	Egypt	<p>Egypt is a country in North Africa. It is a developing country with a population of approximately 100 million people. The country is known for its ancient history and modern infrastructure.</p> <p>Comptia is active in Egypt through its local chapter, Comptia Egypt. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	South America	<p>Egypt is a country in North Africa. It is a developing country with a population of approximately 100 million people. The country is known for its ancient history and modern infrastructure.</p> <p>Comptia is active in Egypt through its local chapter, Comptia Egypt. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	El Salvador	<p>El Salvador is a country in Central America. It is a developing country with a population of approximately 6 million people. The country is known for its beautiful beaches and rich culture.</p> <p>Comptia is active in El Salvador through its local chapter, Comptia El Salvador. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	South America & Africa	<p>El Salvador is a country in Central America. It is a developing country with a population of approximately 6 million people. The country is known for its beautiful beaches and rich culture.</p> <p>Comptia is active in El Salvador through its local chapter, Comptia El Salvador. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	Ethiopia	<p>Ethiopia is a country in East Africa. It is a developing country with a population of approximately 110 million people. The country is known for its diverse culture and natural beauty.</p> <p>Comptia is active in Ethiopia through its local chapter, Comptia Ethiopia. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>
	South America	<p>Ethiopia is a country in East Africa. It is a developing country with a population of approximately 110 million people. The country is known for its diverse culture and natural beauty.</p> <p>Comptia is active in Ethiopia through its local chapter, Comptia Ethiopia. The chapter is focused on providing training and certification programs for IT professionals in the country.</p>

Land	Landesflagge (1930-1939)	Landesflagge (1939-1945)
		<p>Landesflagge Baden (1939-1945)</p> <p>Die Landesflagge Baden (1939-1945) war eine dreifarbige Flagge, die aus drei horizontalen Streifen in den Farben Schwarz, Rot und Gold bestand. Diese Farben waren die traditionellen Farben des Landes Baden. Die Flagge wurde am 1. April 1939 eingeführt und wurde am 30. April 1945 durch die Flagge des Deutschen Reichs ersetzt.</p> <p>Landesflagge Baden (1930-1939)</p> <p>Die Landesflagge Baden (1930-1939) war eine dreifarbige Flagge, die aus drei horizontalen Streifen in den Farben Schwarz, Rot und Gold bestand. Diese Farben waren die traditionellen Farben des Landes Baden. Die Flagge wurde am 1. April 1930 eingeführt und wurde am 1. April 1939 durch die Flagge des Deutschen Reichs ersetzt.</p>
		<p>Landesflagge Baden-Württemberg (1930-1939)</p> <p>Die Landesflagge Baden-Württemberg (1930-1939) war eine dreifarbige Flagge, die aus drei horizontalen Streifen in den Farben Schwarz, Rot und Gold bestand. Diese Farben waren die traditionellen Farben des Landes Baden-Württemberg. Die Flagge wurde am 1. April 1930 eingeführt und wurde am 1. April 1939 durch die Flagge des Deutschen Reichs ersetzt.</p> <p>Landesflagge Baden-Württemberg (1939-1945)</p> <p>Die Landesflagge Baden-Württemberg (1939-1945) war eine dreifarbige Flagge, die aus drei horizontalen Streifen in den Farben Schwarz, Rot und Gold bestand. Diese Farben waren die traditionellen Farben des Landes Baden-Württemberg. Die Flagge wurde am 1. April 1939 eingeführt und wurde am 30. April 1945 durch die Flagge des Deutschen Reichs ersetzt.</p>



VII. ANNEX II

STAKEHOLDER CONSULTATIONS



REGIONAL VALIDATION WORKSHOP

EUROPEAN COMMISSION				
DG RTD				
PROJECT 2014-10-001				
ID	Country	Local or national title	Local lead scientist	Topic
1	Austria	Ministry of Economics, Energy, Trade and Development	Andreas Böhling	
2	Austria	Ministry of Economics, Energy, Trade and Development	Veronika Kowalewski	
3	Austria	Energy Agency – E.ON Energy	Andreas Kersch	
4	Austria	Research Institute for Applied Energy Conversion (IAEW)	Yves Kerschinger	Energy Efficiency 1
5	Austria	Ministry of Economics, Energy, Trade and Development	Andreas Kerschinger	Efficiency
6	Belgium	Belgian Energy Research and Innovation Centre (BEDEC)	Geert Deconinck	Character of the E-Optimization
7	Belgium	IEEWS	Andreas Van den Broek	Energy Efficiency
8	Belgium	Ministry of Economics and Sustainable Development	Andreas Van den Broek	Energy Efficiency of Transport Systems
9	Belgium	IEEWS	Andreas Van den Broek	Energy Efficiency
10	Belgium	IEEWS	Andreas Van den Broek	Energy Efficiency
11	Belgium	IEEWS (Belgian Research Institute for Nuclear Energy)	Andreas Van den Broek	Energy Storage, Distribution and Technology Assessment
12	Belgium	IEEWS - IEEWS	Andreas Van den Broek	Energy Storage and Power Generation
13	Belgium	IEEWS (Research Institute for Nuclear Energy)	Andreas Van den Broek	Efficiency
14	Belgium	Energy Efficiency	Andreas Van den Broek	Efficiency
15	Belgium	Energy Efficiency	Andreas Van den Broek	Efficiency
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100	Belgium	Energy Efficiency	Andreas Van den Broek	Efficiency

101	Scottish Office	Marine Conservation Society Scottish Office	Environment 2010	Quality Manager
102	Scottish Office	Department of Environment, Forestry and Fisheries	Wildlife Strategy	Senior Environmental Officer
103	Scotland	Scottish Office Environment	Environment 2010	Environment and Natural Resources Management Director
104	England	Environment	Energy, Forests, Wildlife	Director
105	England	Ministry of Agriculture, Food and Rural Affairs	Energy work	Agricultural Specialist
106	England	Ministry of Science, Technology and Innovation (Development)	Energy Strategy	Commissioner, Government Policy and Programmes Development
107	England	Ministry of Trade, Industry and Entrepreneurship	Energy Networks	Senior Trade Officer
108	England	Ministry of Water and Environment	Nature Conservation	Senior Treatment Officer
109	England	Marine Conservation Society (Maritime Authority Office)	Richard Huggins	Chief of Office Sea Protection Team Lead
110	England	Marine Conservation Society	Stephen Lugg	Head, Marine Conservation Society Fund
111	England	England Wildlife Authority	Victoria Spence	Wildlife Conservation Project Assistant
112	Central England	Wales	Energy Secretariat	Energy 2010
113	Wales	Welsh Government	Energy Wales	Senior Development Officer
114	Wales	Welsh Government	Energy Strategy	Environmental Team

STAKEHOLDER INTERVIEWS AND NATIONAL WORKSHOPS

No.	Location	Participants	Activities
1	Wales, Wales	Welsh / Independent members	Wales Forum
2	Wales, Wales	Environment Society	Wales Workshop
3	Wales, Wales	Welsh Environmental, Green Economy and Business Forum	Wales Workshop

1.	Module Area	History of Management, recent business activities change	Business History
2.	Module Area	History of Management, recent business activities change	Business History
3.	Module Area	General Management of human resources, activities change (Marketing/ Strategy of Management, Strategy, Market and Environment, HRM&A)	Business Strategy
4.	Module Area	International business, culture and its management, international (general)	Knowledge theme
5.	Module Area	Marketing I	Marketing Strategy & Brand
6.	Module Area	Marketing II	Marketing Strategy & Brand (Applied)
07.	Module Area	Corporate Finance	How to financing, investment
08.	Module Area	Microeconomic & Macroeconomic theory of the management knowledge (general), general	How to finance
09.	Module Area	Microeconomic & Macroeconomic theory of the management knowledge (general)	Knowledge & how to financing
10.	Module Area	Finance I	Business Finance
11.	Module Area	Finance II (Micro finance)	Topic/ Finance Microfinance
12.	Module Area	HR	Business & Management
13.	Module Area	General course for digital industry (business and HRM, HRM&A)	HRM, HR&A
14.	Module Area	General Management for business and the economic activities (Marketing/ Strategy of Management, Strategy, Market and Environment, HRM&A)	Business Strategy
15.	Module Area	General Management of human resources, activities change (HRM&A)	Business Strategy
16.	Module Area	General Management of human resources, activities change (Marketing/ Strategy of Management, Strategy, Market and Environment, HRM&A)	Business Strategy
17.	Module Area	General Management of human resources, activities change (Marketing/ Strategy of Management, Strategy, Market and Environment, HRM&A)	Business Strategy

		of Management, Energy, Water and Transport (EMWET)	
01	Belgium-Flem	Belgium-Flem	Technology Policy
02	Belgium-Flem	Energy, Water, and Transport	Energy and Water
03	Belgium-Flem	Energy, Environment, Energy, Water and Transport	Energy Policy
04	Belgium-Flem	Energy, Environment, and Transport Policy / The general interests of economic and social development	Technology Research
05	Belgium-Flem	National Institute of Statistics (NIS)	Statistics
06	Belgium-Flem	Min. Public Administration	Technology Policy
07	Belgium-Flem	Energy Policy - AER 2011	Energy Policy
08	Belgium-Flem	Energy Regulation Board for Flanders	Energy and Energy, Energy & Transport
09	Belgium-Flem	Energy, Environment, Energy / Water and Transport (EMWET)	Energy Research
10	Belgium-Flem	National Institute of Social Security and Energy Policy (Ministry of Management, Energy, Water and Transport (EMWET))	Energy Research
11	Belgium-Flem	The general interests of economic and social development (Ministry of Management, Energy, Water and Transport (EMWET))	Technology Research
12	Belgium-Flem	The issues of energy policy for Flanders (AER 2011 - 2011)	National Research
13	Belgium-Flem	World Energy	Energy Policy
14	Belgium-Flem		Energy Policy
15	Belgium-Flem		Energy Research
16	Belgium-Flem		Energy Policy
17	Belgium-Flem	Energy Policy	Energy Policy
18	Belgium-Flem	Energy Policy (Energy, Water and Transport)	Energy Research
19	Belgium-Flem	Energy Policy	Energy Policy
20	Belgium-Flem	Environment & Energy	Energy Research
21	Belgium-Flem	Energy, Environment and Transport (EMWET)	Energy Policy
22	Belgium	Min. Public Administration of Economic and Energy Research	Energy Policy
23	Belgium	Min. Public Administration of Economic and Energy Research	Energy Research
24	Belgium	Energy	Energy Policy
25	Belgium	Energy, Environment and Transport (EMWET)	Energy Research
26	Belgium	Energy, Environment and Transport (EMWET)	Energy Policy
27	Belgium	Energy Research Institute - Belgium	Energy Research

001	Kenya	Ministry of Water, Sanitation and Power	Kenya Water Supply
002	Kenya	Ministry of Water, Sanitation and Power	High Water & Sewer
003	Kenya	Ministry of Water, Sanitation and Power	Kenya Water
004	Kenya	Water	Water Supply
005	Kenya	Hydroelectric Power Development of Kenya	Kenya Hydroelectric
006	Kenya	Water Supply Development	Water Supply
007	Kenya	The National Treasury - Water Development Financing	Water Finance
008	Kenya	The National Treasury - Water Development Financing	Water Finance
009	Kenya	The National Treasury - Water Development Financing	Water Finance
010	Kenya	The National Treasury - Water Development Financing	Water Finance
011	Kenya	National Treasury and Planning	Water Fund
012	Kenya	Water Supply Development	Water Fund
013	Kenya	Water Supply Development	Water Fund
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050	Kenya	Water Supply Development	Water Fund

150	Agenda	History of Finance, Planning and Economic Development	David Young
151	Agenda	History of Finance, Planning and Economic Development	Simon Bellamy
152	Agenda	History of Trade, Industry and Communities	David Bennett
153	Agenda	History of Trade, Industry and Communities	Ngara Lewis
154	Agenda	History of Trade and Environment	Julian Stewart
155	Agenda	History of Trade and Environment	Neil Armstrong
156	Agenda	Manufacturing and	Paul White
157	Agenda	National Curriculum and Management Subjects Update	Agil Kumar Gupta
158	Agenda	National Curriculum and Management Subjects Update	Neil Armstrong
159	Agenda	National Curriculum and Management Subjects Update	David Bell
160	Agenda	National Curriculum and Management Subjects Update	Richard Maguire
161	Agenda	National Curriculum and Management Subjects Update	Alan Maguire
162	Agenda	National Curriculum and Management Subjects Update	Thomas O'Shea
163	Agenda	Non-Traditional Approaches	Stephen Boyd
164	Agenda	Other Issues	Christopher
165	Agenda	Private Institutions	Andy Adams
166	Agenda	Private Institutions	Michael Woods
167	Agenda	Agenda Development/Finance Reviews	Julian Stewart
168	Agenda	Agenda Development/Finance Reviews	Thomas O'Shea
169	Agenda	Agenda Development/Finance Reviews	David Bell
170	Agenda	Agenda Development/Finance Reviews and Comments	Richard Maguire
171	Agenda	Agenda Development/Finance Reviews	Michael Woods
172	Agenda	Agenda Update/Finance	Christopher
173	Agenda	Comments	Andy Adams



VIII. ANNEX III

FIGURES, BOXES
AND ABBREVIATIONS



ANSWER KEY**How a tariff affects the price of domestic products and their quantities****How a tariff affects the price and quantity of exports****How a tariff affects the price of a tax export****How a tariff affects welfare****How a tariff affects government revenue**

1999(a)	Basic, Broad and Medium Education
1999(b)	Basic, Core and Further Studies component
1999(c)	National Assessment Institute
1999(d)	National Skills Change Fund
1999(e)	New government organisations
1999(f)	Organisation for Economic Co-operation and Development
1999(g)	Public-private investment corporation
1999(h)	Public Works
1999(i)	Public-private partnership
1999(j)	Public-Private Partnership Fund
1999(k)	Public-Private Partnership Programme
1999(l)	Public-Private Partnership Fund
1999(m)	Public-Private Partnership Programme
1999(n)	Public-Private Partnership Programme
1999(o)	Public-Private Partnership Programme
1999(p)	Public-Private Partnership Programme
1999(q)	Public-Private Partnership Programme
1999(r)	Public-Private Partnership Programme
1999(s)	Public-Private Partnership Programme
1999(t)	Public-Private Partnership Programme
1999(u)	Public-Private Partnership Programme
1999(v)	Public-Private Partnership Programme
1999(w)	Public-Private Partnership Programme
1999(x)	Public-Private Partnership Programme
1999(y)	Public-Private Partnership Programme
1999(z)	Public-Private Partnership Programme

