



## CLEAN TECHNOLOGY FUND (CTF)

### ENSURING SUSTAINABLE ENERGY

The AfDB-CTF portfolio includes **5 public** and **5 private sector projects**. Of these, 7 projects were under implementation in 2017.

#### MOROCCO OUARZAZATE CONCENTRATED SOLAR POWER

**CTF USD 100M, AfDB USD 240M**

**Purpose:** To generate 120-160 MW in its first phase by 2014 and 500 MW in total.  
**Key expected results:** 0.24 million tons of CO2 emissions avoided per year; shifted energy mix.

#### MOROCCO NOOR II AND III CONCENTRATED SOLAR POWER PROJECT (MENA REGION IP)

**CTF USD 119M, AfDB USD 140M**

**Purpose:** To develop 350 MW of concentrated solar power.  
**Key expected results:** 0.5 million tons of CO2 emissions saved per year, potential creation of 11,000 jobs, reduce global CSP cost curve by 3%.

#### MOROCCO ONE WIND ENERGY

**CTF USD 125M, AfDB USD 512M**

**Purpose:** To construct three wind farms of 250 MW installed wind capacity and two hydro facilities to supply base-load power.  
**Key expected results:** Additional 550 MW of installed wind capacity and hybrid-hydro storage and generation of 520 MW; 533,000 new connections.

#### MOROCCO MIDELT CSP PROJECT

**CTF USD 25M, AfDB USD 240M**

**Purpose:** To increase innovative solar power generation in Morocco through an innovative hybrid Concentrated Solar Power (CSP) and Solar Photovoltaic (PV) solution.  
**Key expected results:** 1.2 million tons annual GHG emissions reduced; up to 800 MW installed capacity of renewable energy.

#### NIGERIA LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY

**CTF USD 1.25M, AfDB USD 48.75M**

**Purpose:** To facilitate provision of affordable financing through a local bank for indigenous renewable energy/energy efficiency projects.  
**Key expected results:** 0.15 million tons of CO2 reductions per year, newly installed capacity of 107 MW

#### SOUTH AFRICA ESKOM RENEWABLES SUPPORT

**CTF USD 100M, AfDB USD 265M**

**Purpose:** To introduce CSP to Sub-Saharan Africa and scaled-up wind energy to South Africa.  
**Key expected results:** 0.58 million tons of CO2 emissions avoided through CSP, 0.24 million tons avoided through wind.

#### SOUTH AFRICA XINA SOLAR ONE PROJECT (SUSTAINABLE ENERGY ACCELERATION PROGRAM)

**CTF USD 41.5M AfDB USD 100M**

**Purpose:** The construction of a 100MW CSP plant to alleviate peak load demand and reduce CO2 emissions in South Africa.  
**Key expected results:** Annual reduction of 400,000 tons of CO2, creation of 1,370 jobs during construction phase and 45 jobs during operation.



## SCALING UP RENEWABLE ENERGY PROGRAM IN LOW INCOME COUNTRIES (SREP)

### ECONOMIC GROWTH THROUGH RENEWABLES

The AfDB-SREP portfolio includes **11 public** and **3 private sector projects**. Of these, 3 projects were under implementation in 2017.

#### KENYA MENENGAI GEOTHERMAL DEVELOPMENT

**SREP USD 25M, AfDB USD 120M**

**Purpose:** To develop the Menengai geothermal steamfield to generate 120 MW of power.  
**Key expected results:** 540,000 tons of CO2 emissions avoided per year; 185,000 households and 110,000 small businesses connected to power

#### MALI PROJECT FOR SCALING UP RENEWABLE ENERGY (PAPERME)

**SREP USD 1.5, AfDB USD 0.53M**

**Purpose:** To foster development of renewable energy by improving policy, strategy, regulatory and institutional frameworks for scaling up renewable energy.  
**Key expected results:** Approval of 40 renewable energy projects between 2015 and 2017.

#### MALI SEGOU SOLAR PV

**SREP USD 25M, AfDB USD 9.28M**

**Purpose:** To design and construct a 33 MW Solar PV power plant and a 33kV transmission line  
**Key expected results:** 53.7 GWh annually generated over 25 years



## FOREST INVESTMENT PROGRAM (FIP)

### REDUCED EMISSIONS THROUGH REFORESTATION AND REDD+

The AfDB-FIP portfolio includes **5 public** and **2 private sector projects**. Of these, 5 projects were under implementation in 2017.

#### BURKINA FASO GAZETTED FORESTS PARTICIPATORY MANAGEMENT

**FIP USD 11.5M**

**Purpose:** To build carbon sequestration capacity in forests, improve local people's resilience to climate change, and reduce poverty by diversifying income sources, and developing gazetted forest wood and non-wood products such as almond and shea processing and beekeeping.  
**Key expected results:** Development of a measurement, reporting and verification system for REDD+, improvement of forest governance, securitization and management of 284,000 ha of gazetted forests; establishment of a socio-economic support infrastructure for neighboring municipal councils.

#### DEMOCRATIC REPUBLIC OF CONGO INTEGRATED REDD+ PROJECT IN THE MBUJI-MAYI/KANANGA AND KISANGANI BASINS

**FIP USD 21.5M**

**Purpose:** To reduce forest GHG emissions and poverty in a degraded savannah area and a closed forest area in order to address land tenure security, agriculture, forestry and energy  
**Key expected results:** 4 million tons CO2 emissions reduced; 30,000 improved stoves disseminated; 8,500 ha of forests sustainably managed; 20,000 rural micro-enterprises established; 4,500 land usufruct rights formalized (50% women, youth).

#### GHANA ENGAGING LOCAL COMMUNITIES IN REDD+/ENHANCEMENT OF CARBON STOCKS (ELCIR+)

**FIP USD 9.75M, AfDB USD 5.33M**

**Purpose:** To reduce deforestation and forest degradation and financially benefit local communities.

**Key expected results:** 3.9 million tons of CO2 emissions sequestered; protection of carbon reservoirs; 22,400 additional hectares of forests and forest plantations and 26,000 additional hectares of agroforestry; 1,000 sustainable jobs created; 12,000 direct beneficiaries to receive seeds, equipment, as well as financial incentives to develop forestry, agroforestry and alternative livelihoods activities; 175,000 additional indirect beneficiaries.

#### GHANA RESTORATION OF DEGRADED FOREST RESERVE THROUGH CERTIFIED PLANTATION

**FIP USD 10M, AfDB USD 14M**

**Purpose:** To catalyze private sector involvement in large-scale sustainable and commercial teak plantations in degraded forest reserves by expanding an existing forest plantation; utilizing debt to catalyze private sector investment.  
**Key expected results:** Emissions reduction; 11,700 ha of sustainably managed forest plantation; 400 direct full-time jobs and 600 direct seasonal jobs created \*Project totals include project preparation grant financing.

#### BURKINA FASO CLIMATE CHANGE MITIGATION AND POVERTY REDUCTION THROUGH THE DEVELOPMENT OF THE CASHEW SECTOR

**FIP USD 4M, AfDB USD 1.36M**

**Purpose:** To mitigate climate change, restore degraded soils, increase incomes of the rural populations, showcase the economic profitability and environmental sustainability of certified organic and fair trade agriculture.  
**Key expected results:** 3.8 million tons of CO2 sequestered; 5,300 ha of degraded lands restored with cashew tree plantations; 85,000 tons of raw nut processed; and 1,500 jobs created.



## PILOT PROGRAM FOR CLIMATE RESILIENCE (PPCR)

### EMBEDDING RESILIENCE IN NATIONAL PLANNING

The AfDB-PPCR portfolio includes **5 public projects** under implementation in 2017.

#### MOZAMBIQUE BAIXO LIMPOPO IRRIGATION AND CLIMATE RESILIENCE

**PPCR USD 15.75M, AfDB USD 25.79M**

**Purpose:** To increase value addition and provision of climate resilient infrastructure for increased agricultural productivity.  
**Key expected results:** National production of rice and vegetable quadruplicates, income increase of 150% in project area, reduction of poverty rate from 54.5% to 42%.

#### MOZAMBIQUE SUSTAINABLE LAND AND WATER RESOURCES MANAGEMENT

**PPCR USD 15.75M, AfDB USD 3.2M**

**Purpose:** To promote community-based watershed/landscape management approaches.  
**Key expected results:** Major arable crops (maize and rice) to double yields up to 4 tons per ha; 1,500 ha of forests restored; and forest fires reduced by 75%.

#### NIGER IMPROVEMENT OF CLIMATE FORECASTING AND OPERATIONALIZATION OF EARLY WARNING SYSTEMS

**PPCR USD 13M**

**Purpose:** Strengthened food security, 10% reduction in annual crop losses in project areas, at least 50% of district councils and 65,000 producers gain access to climate information data, eight regional centres become well equipped to

generate climate data.  
**Key expected results:** Strengthened food security, 10% reduction in annual crop losses in project areas.

#### NIGER WATER RESOURCE MANAGEMENT AND DEVELOPMENT

**PPCR USD 22M**

**Purpose:** To improve resilience in rural communities dependent on rainfed farming.  
**Key expected results:** Reduced rural poverty from 66% to 52%, increased annual agricultural production to 2,860 tons in project areas, water mobilization infrastructure developed in the project area.

#### ZAMBIA STRENGTHENING CLIMATE RESILIENCE IN THE KAFUE SUB-BASIN

**PPCR USD 38M**

**Purpose:** To strengthen 800,000 rural households to respond to climate change impacts and strengthen roads linking farmers to markets.  
**Key expected results:** Increased resilience of 800,000 people to climate change, rehabilitation and/or construction of 127.52 access roads using climate risk planning models, 1,150 micro-projects supported to upgrade community- and farm-level infrastructure benefitting men/women; increased integrated development plans in districts with mainstreamed resilience.