



United Nations Climate Change Conference
Nairobi 2006, the 16th Nov
“Energy, Development and Environment”

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French Global Environment Facility (French GEF)*





General presentation and Objectives

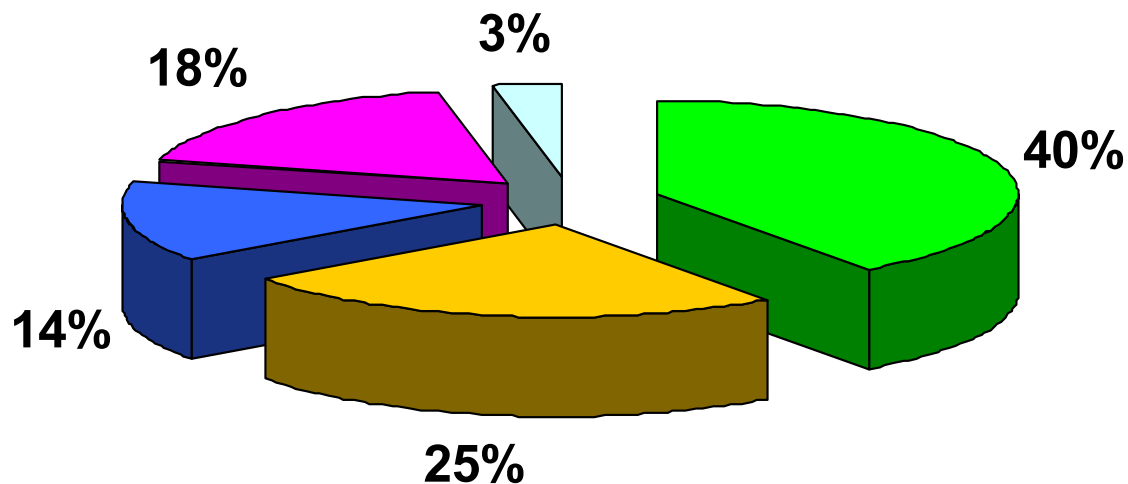
- **Financial public Instrument created in 1994** following the Earth Summit in Rio 1992, as the GEF
- French co-operation and development policy Instrument, the FFEM lies within the framework of
 - the Environment Charter/French Constitution
 - the National Strategy for Sustainable Development
- The **French** Global Environment Facility, (Fonds Français pour l'Environnement Mondial, FFEM) Secretariat is located within the Agence Française de Développement (AFD).

Priorities:

1. Environment, part of Sustainable Dev.
 2. Africa
 3. Partnerships
- **153 projects – 159,5 M€ financing**

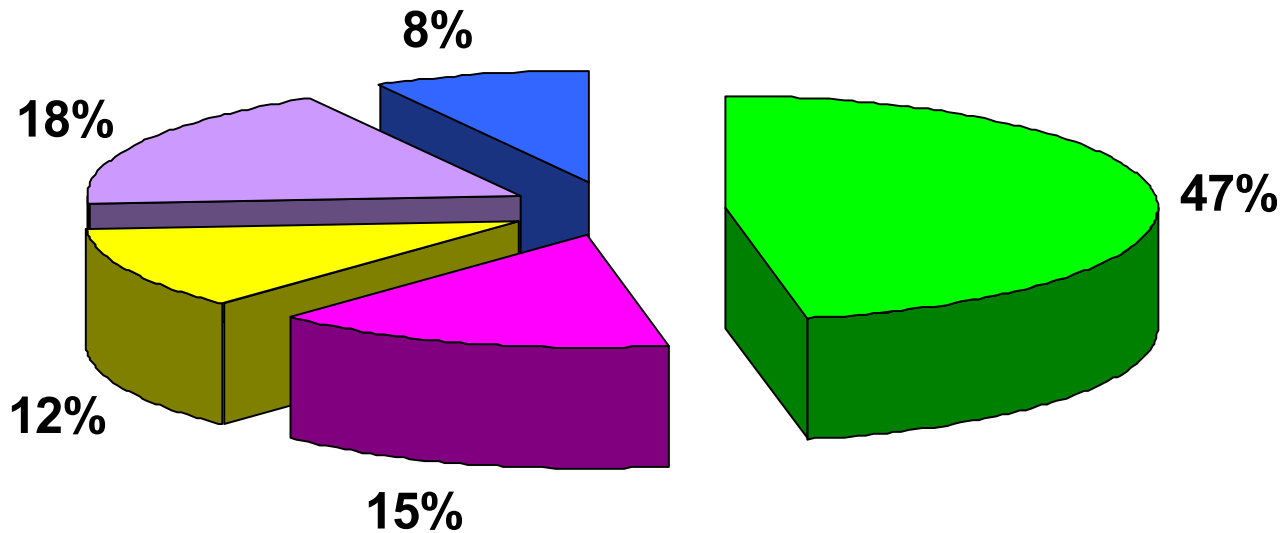


PROJECT BREAKDOWN BY FOCAL AREA (July 2006)



■ Biodiversity ■ Climate change ■ International waters ■ Combined ■ New opportunities

GEOGRAPHICAL BREAKDOWN (July 2006)



Africa **Mediterranean** **Asia and Pacific**
Latin America and Caribbean **Central and Eastern Europe**



HOW does the FGEF work ?

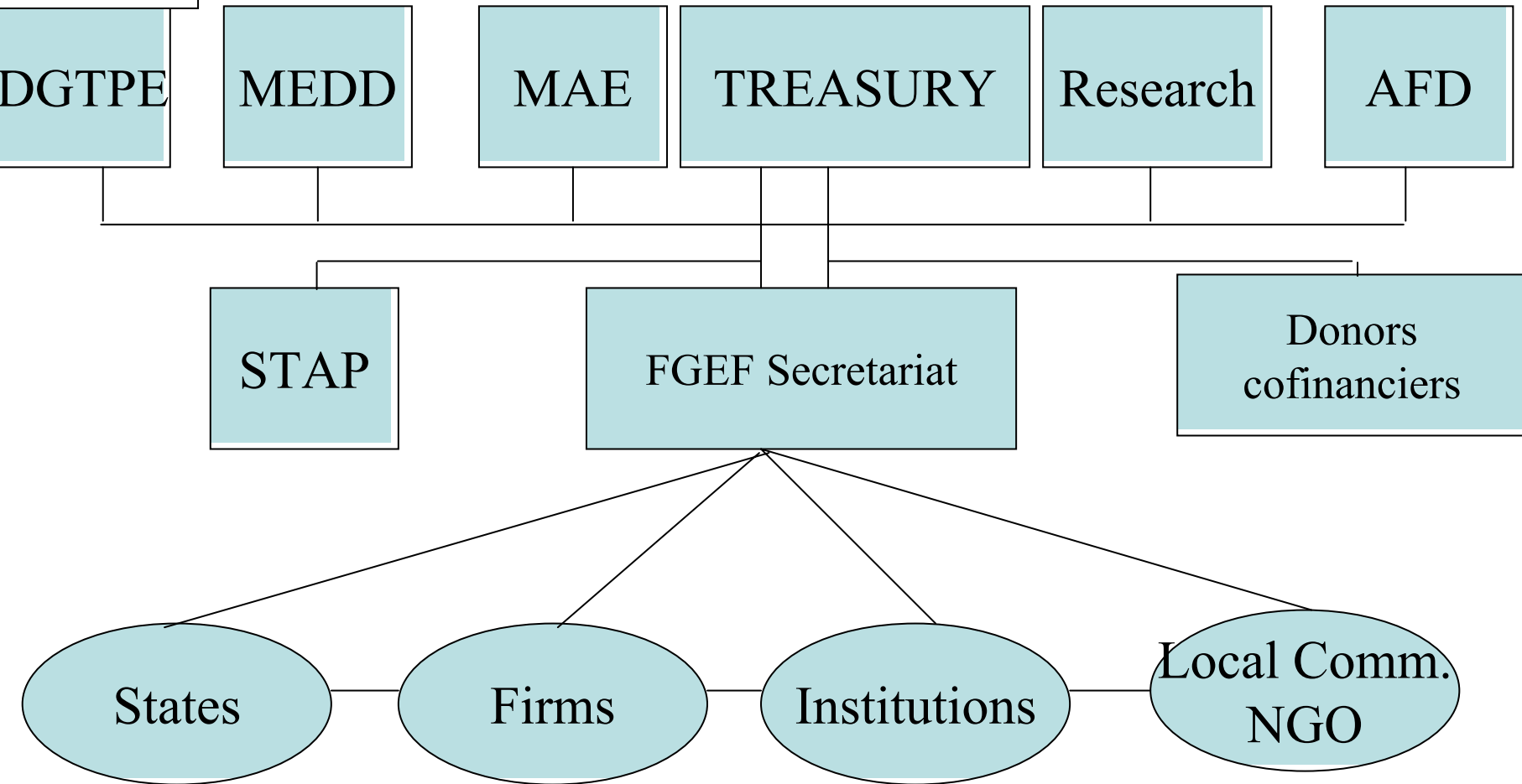
The FGEF is run by three bodies:

- The Steering committee is responsible for decision-making
- The scientific and technical committee is the FGEF's consultative body
- The FGEF secretariat





FGEF partners and organizations





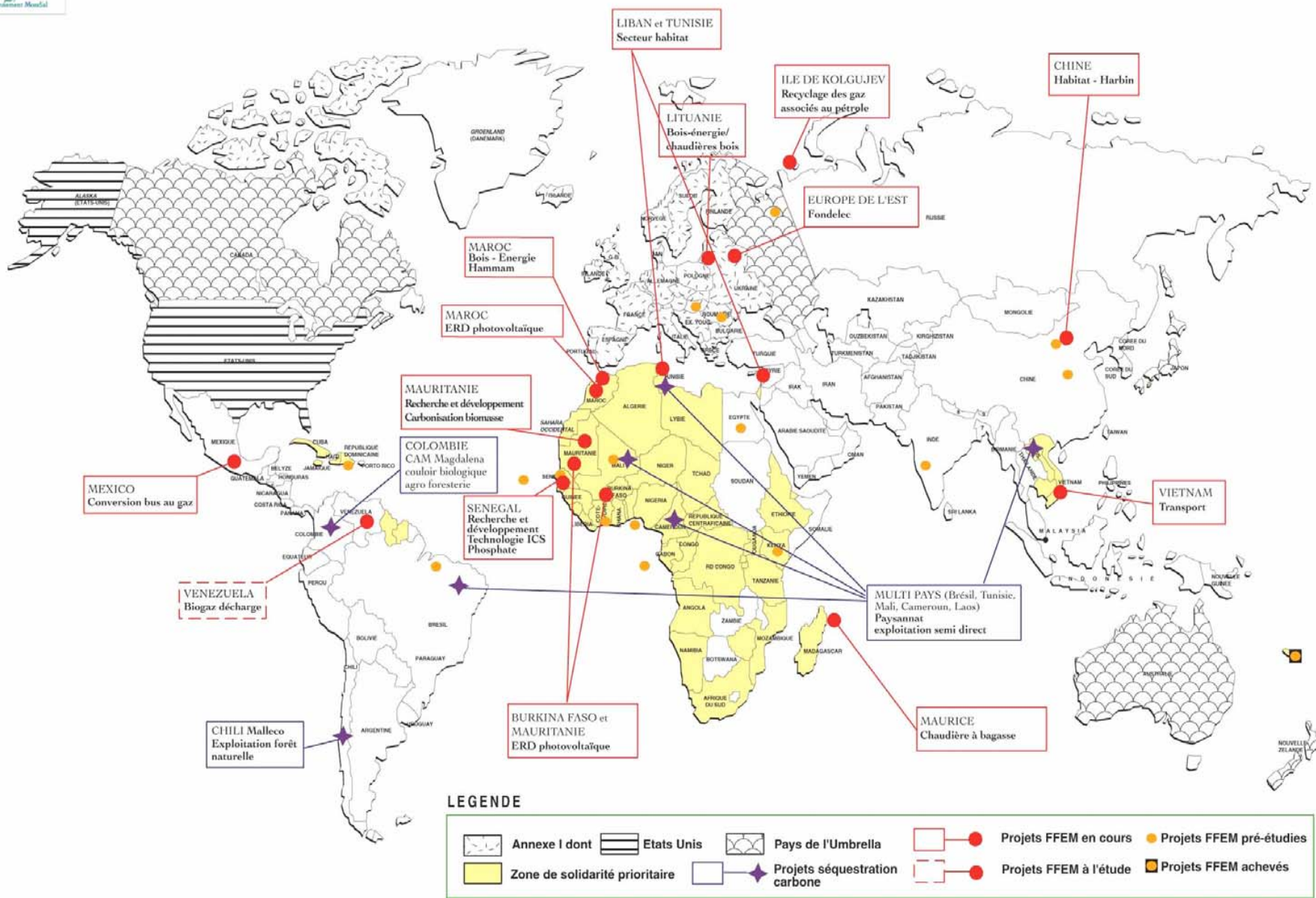
The FGEF's portfolio of Climate Change projects

The FGEF's "climate change" portfolio contained **32 projects** in over 21 countries (July 2006)

Region	N° of projects	M. Euros	%
Sub-Saharan Africa	11	13.2	32
Mediterranean	7	8.1	20
Eastern Europe	3	5	12
Latin America / Caribbean	4	4	10
Asia / Pacific	7	10.7	26
t o t a l	32	41,3	100



Implantation des projets FFEM (lutte contre l'Effet de Serre)





Target sectors for measures to control climate change

1 • LIMITING AND REDUCING EMISSIONS OF GREENHOUSE GASES: CO ₂ , CH ₄ , N ₂ O, SF ₆ , PFC, HFC		2 • CARBON CAPTURE AND SEQUESTRATION		
Promoting renewable energy sources and Improving energy efficiency		Preserving natural carbon sinks	Developing new carbon sinks	
Supply-side	Demand-side			
Promoting renewable energy sources Hydraulic Wind power Geothermal Solar	Buildings	Planing urban development Local Urbanisation Plans (PLU) Managing and recycling organic waste	Primary forests Controlling deforestation	Biological captation Forest plantations
		Improving constructions Heat insulation: efficient materials and bioclimatic design Thermal control systems		
		Distribution of energy-efficient household appliances Low-energy lamps and refrigerators		
Energy recovery from biomass Biogas (from waste) Biofuels Fuelwood	Transports	Organising urban and Interurban journeys Passengers/freight		
		Promoting Integrated public transport Trains, metro, buses		
		Improving engines Energy-efficient motors and low-emission fuels		
Developing efficient energy production systems Natural gas and liquid petroleum gas (LPG) Clean coal, mmine gas Combined cydes Tri/cogeneration Interconnection	Industry	Integrating new Information and Communication Technologies (NICTs)	Soils Agro-ecology Agro-forestry Action against desertification	Geological sequestration Injecting CO ₂ into underground reservoirs
		Distribution of recyclables, low energy-intensity finished products		
		Improving productivity in manufacturing processes Research into efficient innovations with low energy intensity and low GHG emissions		
	Agriculture	Promoting recyclable low energy-intensity raw materials	Oceans	
		Promoting less energy-intensive ans more efficient agriculture (water, electricity, processing and transport)		
		Disseminating technical advances Optimising digestion in ruminants (livestock production) Rational use of inputs (plant production)		

Specialised funds for energy efficiency and renewable energies, carbon funds, flexible mechanisms.

FGEF and green house effect

Seven sectors (mitigation strategies or « without regret ») :

- Energy (RnW, efficiency, low consumption...),
- Industries (processes...),
- Buildings
- Biomass (wood-energy...)
- Transports (public, bio-fuel...)
- Carbon sequestration (forests sinks, agro ecology, geology)
- Financial systems (investment funds, carbon credits)





The FGEF, « win - win » *projects*

- **Integrating development and environment issues**
- **Promoting multi-stakeholder partnerships (public - private - local communities – municipalities – research - financial)**
- **Innovative**
- **Having measurable impacts and communicating**
- **Reproductive**
- **Sustainable and responsible**



1. Biomass



Lithuania – Structuring a regional fuelwood industry

FGEF funding : 1 M € - Total cost : 10,8 M€

Partners : Lithuanian Ministry of the Environment, LITESKO, partners from the Lithuanian private sector (MEDJIVA, SKYDRINE), ADEME, MEDD

The aim of this project is to support a fuelwood industry in the south of Lithuania (Vilnius – Vilkasiskis – Marijampole), which will be supplying fuel to municipal heating plants from logging and timber processing wastes



Mauritius – Development of a bagasse-fired power plant at the Belle-Vue sugar Mill

FGEF funding : 0.5 M € - Total cost : 100,9 M€

Partners : Compagnie Thermique de Belle Vue (CTBV), Harel Group (Belle Vue sugar mill), SIDEC

This project is working on energy from bagasse, an underused by-product from the local sugar cane industry, to meet the energy needs of the sugar mill and feed power into the national grid.





Mauritania and Burkina Faso – Development of charcoal production from crop residues

FGEF funding : 0,6 M € - Total cost : 1,9 M€

Partners : Dagrif, Conservatoire national des arts et métiers (CNAM), ADEME, MAE

The aim of this project is to develop three semi-industrial plants producing charcoal from rice husks in the rice-growing zone around Rosso, in southern Mauritania, and in the cotton sector in Burkinaso in order to supply domestic fuel to the local market and electricity for dehusking installations



2. Renewable energy



Morocco – Decentralized rural electrification and solar pumps

FGEF funding : 1.6 M € - Total cost : 19,4 M€

Partners : Total Energy Morocco/TEMASOL, Moroccan national Electricity board (ONE), EDF Energie, German overseas cooperation agency, Kreditanstalt Fur Wiederaufbau (KFW), AFD

This project aims to develop domestic solar energy systems on a large scale in the provinces of Khemisset, Khenifra, Khouribga and Settat (16.000 photovoltaic installations and around ten community solar pumps). The management of installation and maintenance work as well as credit schemes and reimbursement are delegated on a long-term basis (10 years) to a private operator.



Lafarge Maroc

FGEF funding : 0,1 M € - Total cost : 10 M€

Partners : Lafarge Maroc

As part of the implementation of a wind farm,(10 MW), with its cementwork in Tetouan, Lafarge Maroc has applied to the FGEF for support to the development of a CDM project, from production of the Project Design Document (PDD) up to the transfer of carbon emission credits associated with their investment. The project is intended to furnish references for other industrialists intending to set up similar projects in the future.



3. Energy Efficiency



Eastern and Central Europe /A fund to support energy efficiency and reductions in carbon emissions - Dexia-FondElec

FGEF funding : 2 M € - Total cost : 100 M€

Partners : FondElec Management Corporation, Fonds Dexia, European Bank for Reconstruction and Development (EBRD)

The FGEF is supporting the launch of a special fund for the development of third-party investment in private companies specialising in high energy-efficiency technologies (cogeneration) and renewable energy sources. These tech companies are offering advanced energy services to industries and local authorities in Eastern and Central Europe (including Poland, Hungary, Romania, Croatia and Bulgaria).

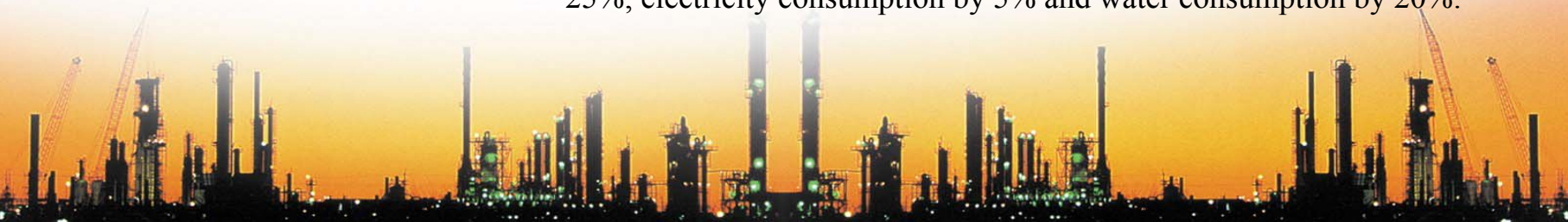


Morocco – Reducing energy and water consumption in the Sidi Bernoussi Zenata industrial zone in Casablanca

FGEF funding : 0.8 M € - Total cost : 1.9 M€

Partners : Association des Opérateurs Economiques de la Zone Industrielle (IZDIHAR), World Bank, FEM

The FGEF's activities here focus on improving energy efficiency in about one hundred industrial enterprises and on the development of specialised energy and environmental services. The project also provides for social measures to support rehousing for shantytown communities. The objective over three years is to reduce heating oil consumption by 25%, electricity consumption by 5% and water consumption by 20%.



4. Habitat



China – An energy-efficiency programme for low-cost housing projects – phase 2

FGEF funding : 2,7 M € - Total cost : 297 M€

Partners : Province of Heilongjiang, cities of Beijing and Shanghai, Ministry of construction, ADEME, CSTB, World Bank, GEF, MEDD

In the province of Heilongjiang, phase II aims to integrate energy efficiency improvements in programmes to rehabilitate low-cost housing and develop rural housing.





Thank you for your attention!

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