

Korea Carbon Fund

and

Korea Credit Fund

- The Carbon Market and CDM -

2007.11

Korea Investment Trust Management Company

true Friend 한국퇇은용

Table of Contents



- I. Fund Overview
 - 1. Fund Highlights
 - 2. Fund Structure
- II. Korea Carbon Fund
- III. Korea Credit Fund

I. Fund Overview

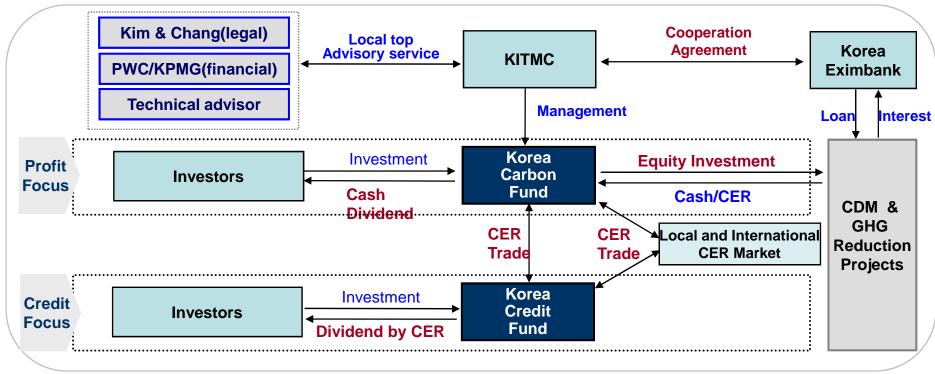
- Korea's first funds investing in CDM projects and carbon credits in a fast-growing carbon market
- Competitive Advantage of Management :
 - ✓ Co-sourcing with Korea Energy Management Corporation [KEMCO]
 - ✓ In cooperation with KEMCO in terms of management
 - Minimizing the technical/financial risk by consultation from the carbon professionals
- Potential reduction in expected redemption period by the installments of investment capital and dividends upon the closing of each invested projects

I. Fund Overview

2. Investment Structure

Investment Structure Overview

- Establishing two funds: "Korea Carbon Fund", which focuses on profitablility, and "Korea Credit Fund", which focuses on trading Carbon Emission Rights(CERs)
- Establishing a conservative model in distribution of CERs by the CER transaction between Korea Carbon Fund and Korea Carbon Credit Fund
- Cooperation with the top-notched adviory institutions, such as Kim&Chang(legal), Samil Pricewaterhouse, and Samjung KPMG



(*) The Structure above assumes that CER is a special asset that can be included into the Special Assests Funds, and it may vary according to the change in the market situation.

Table of Contents

I. Fund Overview



II. Korea Carbon Fund

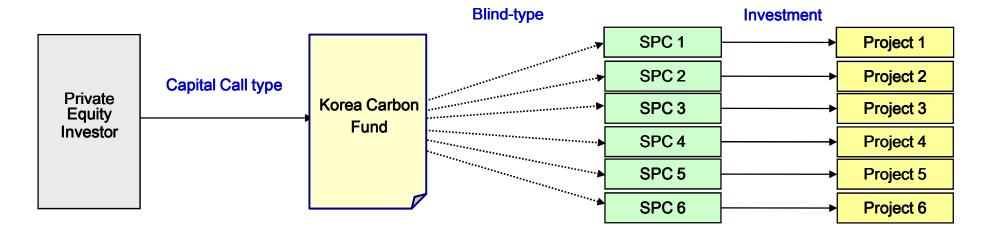
- 1. Fund Summary
- 2. Management Strategy & Investment Process
- 3. Investment Risk & Risk Management Plan

III. Korea Credit Fund

Carbon Fund Summary

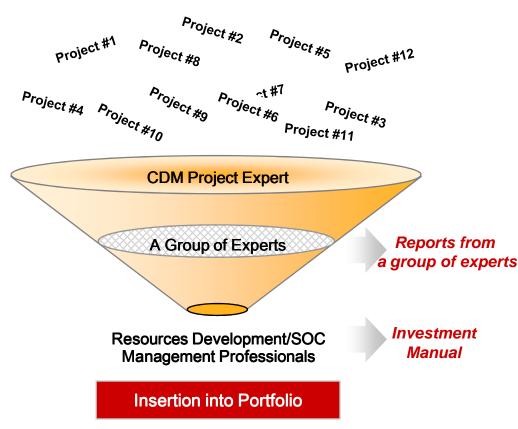
Category	Description		
Fund name	Korea Carbon Fund		
Туре	Private Fund / Closed-end / Special Asset Fund / Mutual Fund type		
Size	KRW 200 Bln (Approximately USD 200 million) (Capital Call)		
Date of Inception	2007. 8. 14		
Maturity	Fifteen years. The maturity may be shortened or extended under the certain conditions in the contract.		
Management	 Obtaining equities or rights of domestic or foreign entity (Independent, joint venture, equity of SPC & loan) in process of CDM & GHG reduction projects listed in Kyoto Protocol Article 12. Traditional domestic/international bond and deposit 		
Capital Call Period	3 Years		
Buy-Back	Buy-back restricted (Closed-end type)		
Redemption	Redemption of dividend + capital semi-annually / redemption of dividend + capital on each liquidation of the project		

Funding & Investment Method



- Capital Call: As the fund makes the investment decision on the target SPC, the fund notifies the investors to commit the agreed amount of investment capital.
 - Since it is a capital call type, it minimizes the management of idle money
 - Investors commit the partial amount of total agreed investment capital on each capital call.
 - -When the fund collects its investment from the SPC, the fund transfers the received amount to the investors, thus, the investors will get an early return of investment capital, and the fund minimizes the management of idle money.
 - Fund will collect interest or dividends from the SPC, and the fund will return the liquidated amount to the investors semiannually
 - As Fund collects its loan from SPC or sells the equity of SPC, Fund will distribute the cash back to the investors
- Blind type: The target investment projects are not determined before the establishment of the fund, the target projects will be determined during the management period.

Management Strategyl - Systemic Investment Decision Making



▶ Project sourcing through the CDM experts

- Through the KEMCO GHG Registration
- Through the KEMCO experts' onsite assessment
- Through the CDM consulting and CER-related entities
- Through the domestic and international network

Preliminary feasibility study(f/s) by a group of experts

 Project advisory as well as technical/economic feasibility study by experts of each business area (climate change, CDM, renewable, and others)

► Investment analysis & decision making by management professionals

- The projects with good f/s results, management company will make the final decision of insertion into the portfolio after its final investment analysis
- Review by Resources/SOC professionals, internal lawyer, and CPAs
- Outsourcing legal, accounting, and technical advisors

Management Strategy II – Diversification

Possible Business Areas by Sectors

GHG	Area	Business Example	Business Features	
	New & Renewable Energy	Wind power, solar powr, geothermal power, tidal power, biomass, waste gas and waste heat recovery and generation	■ Ecoup in operay coster	
	Energy Efficiency Improvement	Improvements of stram efficiency, pump efficiency, and area heaing boilers	Focus in energy sectorSubstitution of fossil fuels,	
	Fuel Transformation	Transforming coal and petroleum into LNG	reducing air pollution, creating social convenience through	
CO ₂	Cement Manufacturing	Improvement of energy efficiency, waste energy recovery and generation proces, reducing CO_2	forest recovery Renewable energy area (Cash + CER)	
	Transportation	Switch diesel vehicles to LNG vehicles, change of transportation systems		
	Gas Leakage	Well flare gas recovery/ fuel supply	Conservative profit	
	Absorbing Source Forestration & affirestration			
	Waste Processing	Recovery of methane from the organic waste (Landfill waste, wastewater process, wastewater sludge)		
CH₄	Agriculture	Livestock excretion process	(Cash + CER profit) Reasonably profit	
	Leakage	Mining methane process	 Contribution to the economic structure of resource circulation 	
N ₂ O	Nitric Acid Process Removing fertilizer factory N ₂ O			
PFCs	Semi-conductor Production	Removing semi-conductor production process PFCs	■ High profit (Large scale of	
SF ₆	LCD Production Process	Recovery of leaked gas from power transmission and substation systems, recovery of SF ₆ from LCD production process	CER production in proportion to the investment levels	
HFC	Refrigerant Process	HFC disolution project		

Management Strategy II - Diversification

Forming a diversified portfolio by business areas

Business Area		Ideal ratio	Minimum required IRR	Minimum investment size	Expected Project maturity
CO ₂	CO ₂	50 %	8 %	KRW 10 Bln	15 years
Non-CO ₂	CH₄	20 %	12 %	KRW 3 Bln	10 years
	N ₂ O	30 %	15 %		7 years
	PFCs				
	SF ₆				
	HFC				
Total		100 %	11 %		

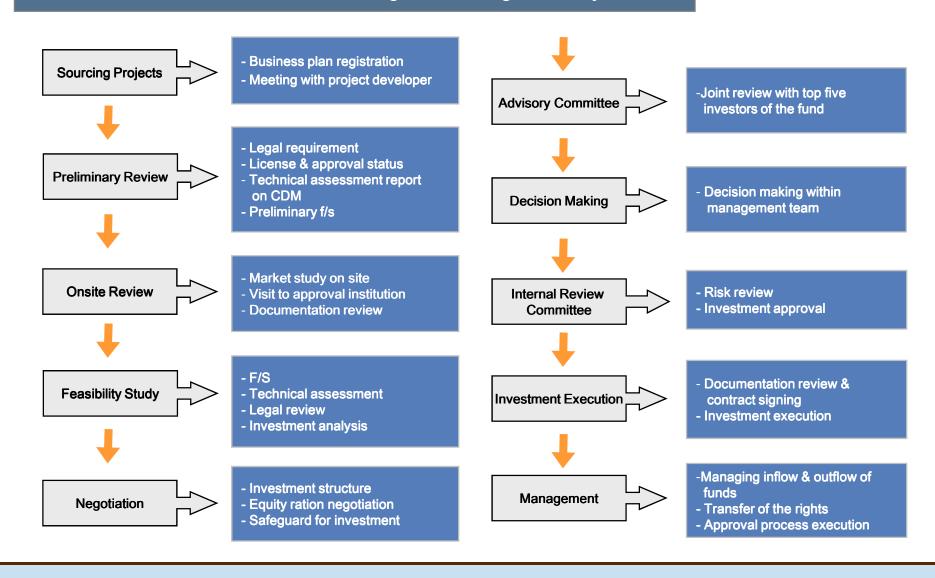
^{1&}gt; Ideal ratio: Assuming that the fund size is approximately KRW 200 Bln, an investment ratio of each business area to the total investment size

^{2&}gt; Expected project maturity: it may vary depends on the timeline of equity sales

Management Strategy III – Resources & SOC Professionals

Name	Title	Education & Qualification	Majn Career
Charles Seo	Managing Director	- Hanyang Univ: M.A in Business	- Korea Development Bank PF SOC management 4 years, Corporate finance 12 years - Korea BTL Private Equity Fund, Vietnam Oil Fund, etc
Ju-su Lee	Director	- Seoul National Univ: Resources Engineering - CPA	- Samil PWC 5 years (Audit, Energy), Daewoo International 2 years (Energy Development) - Vietnam Oil Fund
Hae-young Yoon	Senior Manager	- Yonsei Univ: Masters in Architecture - Licensed Architect	- Korea Development Bank PF SOC management 4 years, SOC Professional Certficate - Korea BTL Private Equity Fund, Expressways, other BTL projects
Jong-eun Lee	Manager	- Seoul National Univ: German Literature - Attorney at law	- Hwain Law Firm 1 year (construction, finance) - Korea BTL Private Equity Fund
Suk-min Lee	Manager	- Seoul National Univ: M.A in Resources Engineering	- Woori Investment Security: Structured Finance Team
Hee-eun Choi	Assistance Manager	- BBA, Hanyang University - Registered Fund Manager	- Korea Investment Security SOC Division 6 years - Korea BTL Private Equity Fund
Jihoon Kim	Assistance Manager	- Yonsei Univ: Business - CPA	- Samil PWC 3 years (Audit, Energy) - Vietnam Oil Fund
Jinbon Kim	Assistance Manager	- Johns Hopkins Univ: Economics	- Rabobank Food & Agribusiness Research

Investment Process – Decision-making and Management System



Investment Process – Decision-making and Management System

- Designation of members of the investment advisory committee and participating in the management process
- Establishing an investment advisory committee
 - Committee members
 - : 1 member from asset management company, 5 members from top five largest investors of the fund (designation will take place annually)
 - Authority & Main negotiation issue
 - A review in application of the investment guideline to the potential target project
 - Feasibility study in potential target project and investment negotiation
 - Negotiation on issues of management of assets of invested company or SPC
 - ▶ Operation of the committee
 - Hold the committee meetings when necessary by meeting or phone
 - Maintain the confidentiality

Investment Risk & Risk Management

Risk	Description	Risk Management
CDM Prject Development	■ The invested project may not be approved as the CDM project if the project does not fulfill the CDM requirement	■ First technical feasibility assessment by experts in KEMCO,
CER Approval	■ The amount of the approved CERs may not be as much as it was planned in CDM business plan	second technical feasibility assessment by outsourcing technical advisors
Volatility of CER Price	■ CER price may fluctuate greatly due to the uncertainty of the Kyoto Protocol system & Carbon market	■ By measuring the CER price based on the market price, manage risk for marginal difference through applying floating price system whenever CER is issued
Consturction	Default and nonfulfillment of construction contract by the construction company due to the appreciation of construction cost	■ Forwarding the risk of cost appreciation to the construction company by signing a Fixed Price EPC contract
Management	 Project manager's inexperienced management may result in decrease in profit 	Sing a contract with experienced professional project management company
Feasibility & capital redemption	A decrease in power generation may reduce the chance of the capital redemption	 Secure the performance warranty of power generation equipment company When the power generation efficiency decreases, equipment replacement with no extra charge and damage compensation charge will be applied to the equipment company
Market Risk	A decrease in profit may happen due to the change in market interest rate	■ The fund is not much exposed to the interest rate risk

Table of Contents

- I. Fund Overview
- II. Korea Carbon Fund



III. Korea Credit Fund

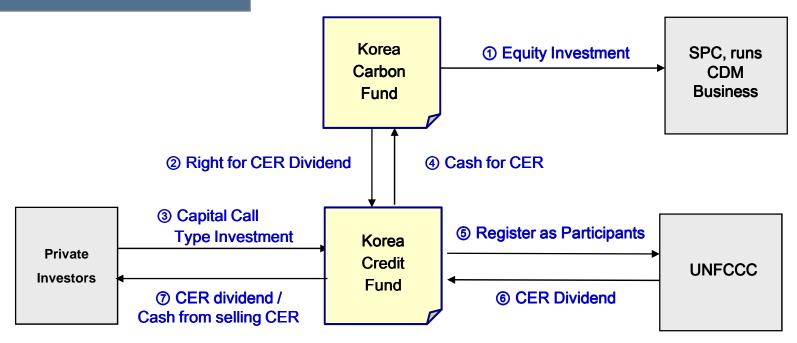
- 1. Fund Summary
- 2. Management Strategy & Investment Process
- 3. Investment Risk & Risk Management Plan

III. Korea Credit Fund

Carbon Credit Fund Summary

Category	Description	
Fund Name	Korea Carbon Credit Private Fund No.1 [KCCPF-1]	
Туре	Private Equity/ Closed-end/ Special Asset/ Mutual Fund Type	
Size	KRW 100 Bln (Capital Call)	
Date of Inception	2007. 9. 28	
Maturity	7 years, early liquidation is possible if the required amount of CERs are collected before the maturity date	
Management	 Domestic/International carbon credit Traditional domestic/international bond and deposit 	
Capital Call period	5 years	
Buy-back	Buy-back restricted until the maturity	
Redemption Profit from trading, CERs and principal semiannually Remaining CERs will be distributed at the liquidation of Fund		

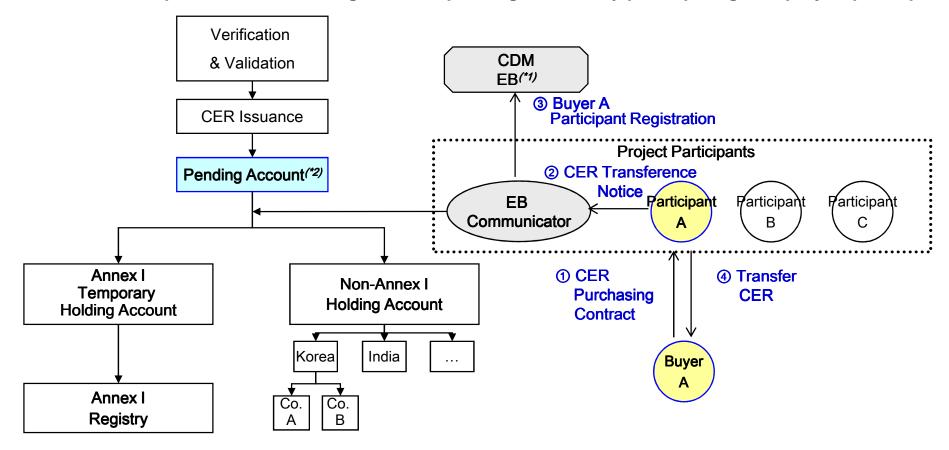
Fund Raising & Investment Method



- Capital Call Type: Private investors commit total amount of investment with the Fund and pay the amount to the Fund when the Fund decides to buy the CER from the CDM business
 - Capital Call Maturity: 5 years
 - By applying a kind of capital call type setting for the PEF in proportion to the sizes of the CDM business and CER as the targets of the carbon fund to minimize idle money and uplift fund profits.
- Blind Type: A target investment will be determined after the inception of Fund based on business-by-business

Carbon Credit Enrolment Process

• After issuance, purchase the CER registered in pending account by participating as a project participant



- (*1) CDM EB(Clean Development Mechanism Executive Board)
- (*2) Pending Account: Where CER is registered before any related administrative cost based on project

III. Korea Credit Fund

Management Strategyl - Investment decision making based on system

Analyze Target CDM Business



- Analyze the CDM business that Korea Carbon Fund invested
- Analyze other target CER and On/Off-shore CDM business
- * Based on the consultation of Korea Energy Management Corporation [KEMC] & other professional institutions

Check up the Fair Value of CERs



- Check the fair value of CER issued by on/off-shore CDM business
 - * Check the fair value of CER price with the CER Brokerage firm
 - * Check the fair value of CER price through trading CER in the market, only if there is necessary to check the price

Validation in Transferring CERs



- Validate the transference of CER of Uni(Bi/Multi)lateral CDM business
- Utilize the law firm and Brokerage firm

Transfer CER & Settlement



- Transfer CERs to Fund or/and Suspending Account of Investors
- Cash settlement for CER

III. Korea Credit Fund

Investment Risk & Risk Management Plan

Factor	Risk	Risk Management Plan
Volatility of CER Price	 A risk that CER price might greatly fluctuate due to the uncertainty of the Kyoto System and the carbon market 	 By securing CER directly, the Fund can appeal mostly to strategic investors who would eventually need to secure CERs for its future business management Mainly purchase the CERs issued from the CDM project in which Korea Carbon Fund has invested in order to minimize the volatility of the CER price
CER Approval	 The amount of the approved CERs may not be as much as it was planned in CDM business plan 	Mainly purchase the issued CERs
FX Risk	 A risk that the investment return might be declined due to the fluctuation of FX rate (KRW to USD) 	 Hedging the risk of exchange rate fluctuation through Won/US dollar hedge trading Applying fixed exchange rate with having an agreement with Korea Carbon Fund