

# Korea's Climate Change ODA: Focusing on KOICA Activities

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HAPPINESS FOR ALL,  
WITH GLOBAL KOICA

WITH GLOBAL KOICA

# 1. KOICA Brief

# KOICA at a Glance

1991

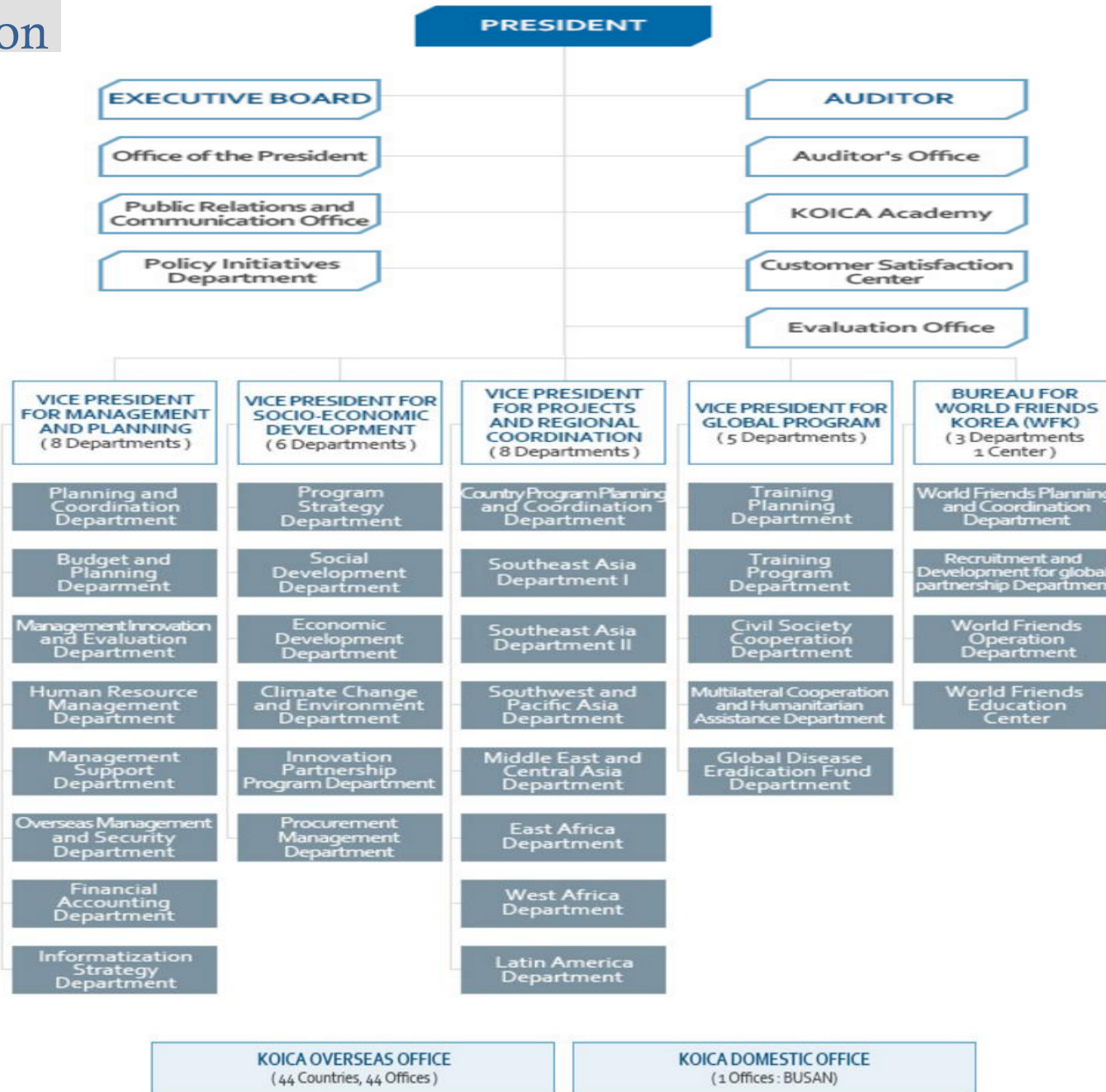
- Established the Korea International Cooperation Agency (KOICA) as an organization dedicated to grant aid programs of the Korean Government
- Endeavors to combat poverty and support sustainable socio-economic growth of partner countries

2017

- Organization
  - (Headquarter) 5 Departments and 34 Offices
  - (Overseas) 45 Offices in 44 Countries



# Organization



# About KOICA Overseas Offices

# 44 Country Offices



## Middle East, CIS / 6 Offices

- Jordan
- Palestine
- Iraq
- Kyrgyzstan
- Azerbaijan
- Uzbekistan

## ETC

### 2 Offices

- France (Permanent mission to OECD)
- USA(UN)

## Latin America / 8 Offices

- Guatemala
- Ecuador
- El Salvador
- Dominican Republic
- Paraguay
- Peru
- Colombia
- Bolivia

## Africa / 16 Offices

- Nigeria
- Cameroon
- Democratic Republic of the Congo
- Kenya
- Egypt
- Morocco
- Tunisia
- Algeria
- Cote d'voire
- Ethiopia
- Ghana
- Rwanda
- Mozambique
- Uganda
- Senegal
- Tanzania

## Asia-Pacific / 14 Offices

- Afghanistan
- East Timor
- Fiji
- Cambodia
- Philippines
- Pakistan
- Myanmar
- Indonesia
- Nepal
- Laos
- Mongolia
- Bangladesh
- Vietnam
- Sri Lanka

**KOICA will continuously strive to grow into Korea's leading aid organization that better responds to the rapid changes in the global development landscape**

Program Type	Major Details
Projects and DEEP	Comprehensive Projects and Development Experience Exchange Partnership Programs (DEEP) based on country partnership strategies
Cooperation with International Organizations	Program to Improve the effectiveness of assistance by partnering with international organizations in countries and issues
Civil Society Partnership	Supports developing countries in partnership with CSOs, universities, etc.
Development Innovation Program	New partnership program with the private sector that combines partner's creative knowledge and development know-how and network
Fellowship Program, CIAT	Provides targeted training programs for human resource development



## Program Type

## Major Details

World Friends Korea Dispatch volunteers as part of Korea's integrated overseas volunteers program

Humanitarian  
Assistance and  
Disaster Relief

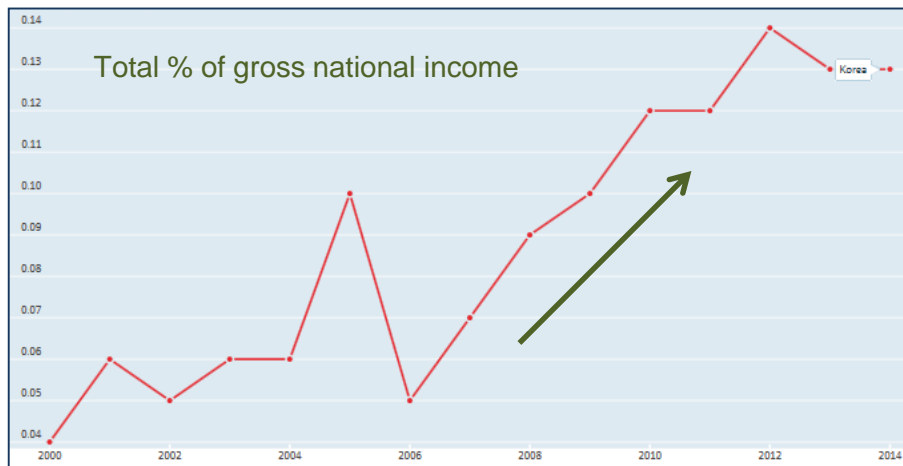
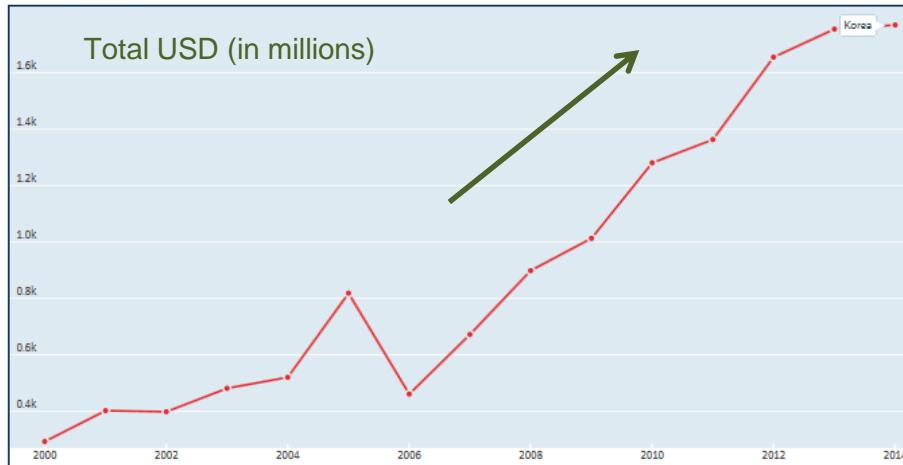
Program to render support to disaster relief and reconstruction efforts in affected countries and people by dispatching personnel, providing emergency relief supplies and fund

Global Disease  
Eradication Fund

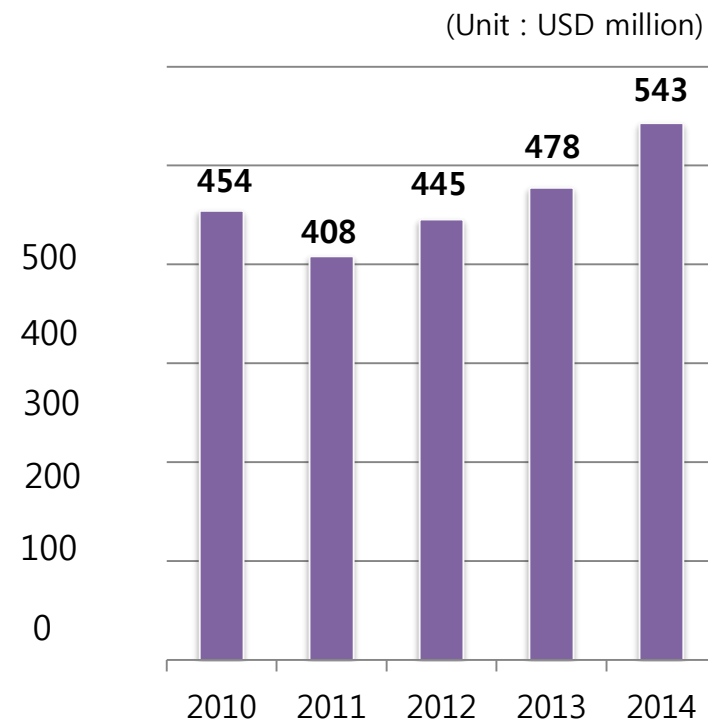
Innovative financing for the eradication of global diseases to ensure health security

# Korea's ODA volume

## ➤ Korea's Net ODA (2000-2014)



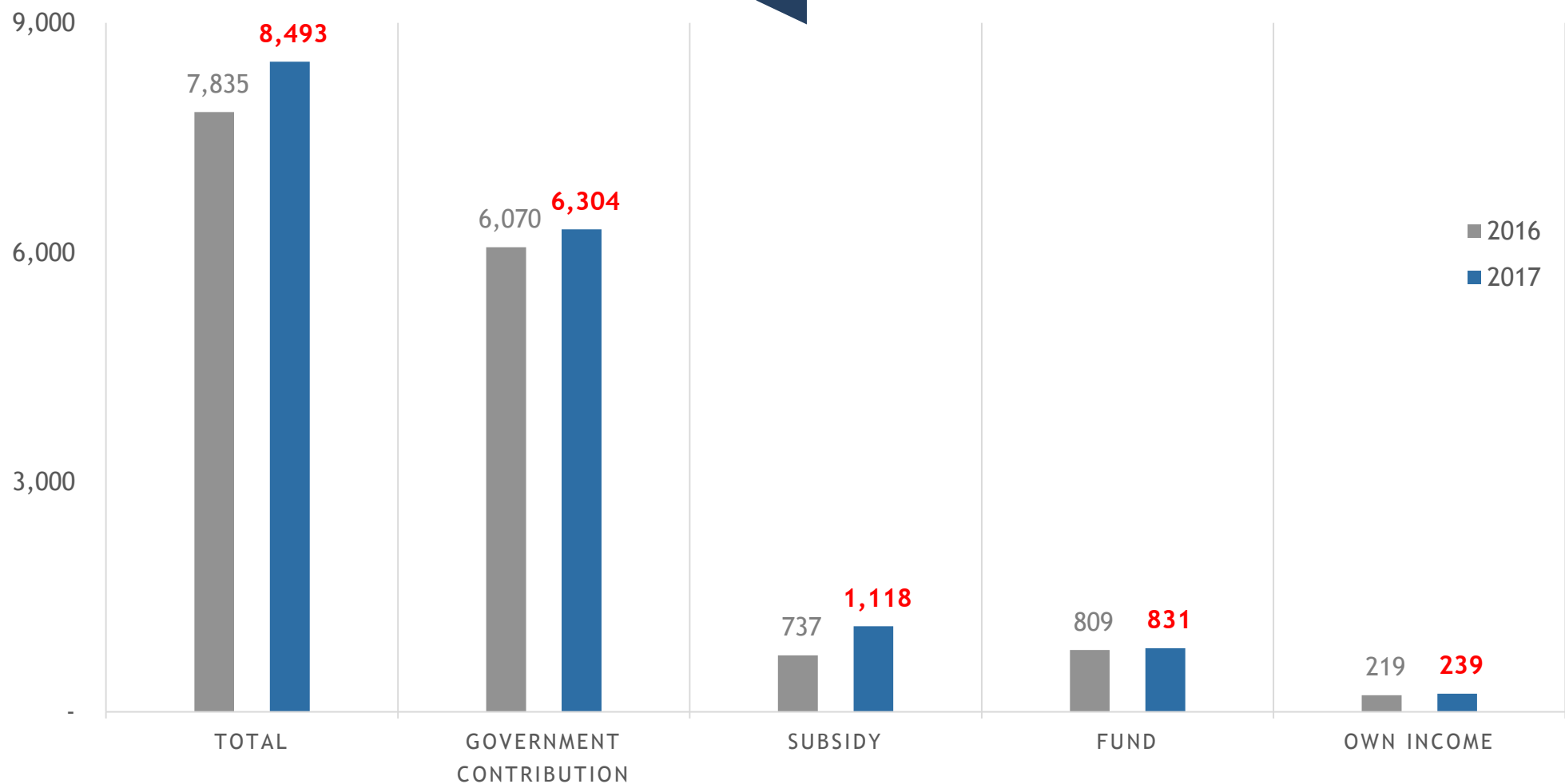
## ➤ KOICA's Annual Budget (2010-2014)



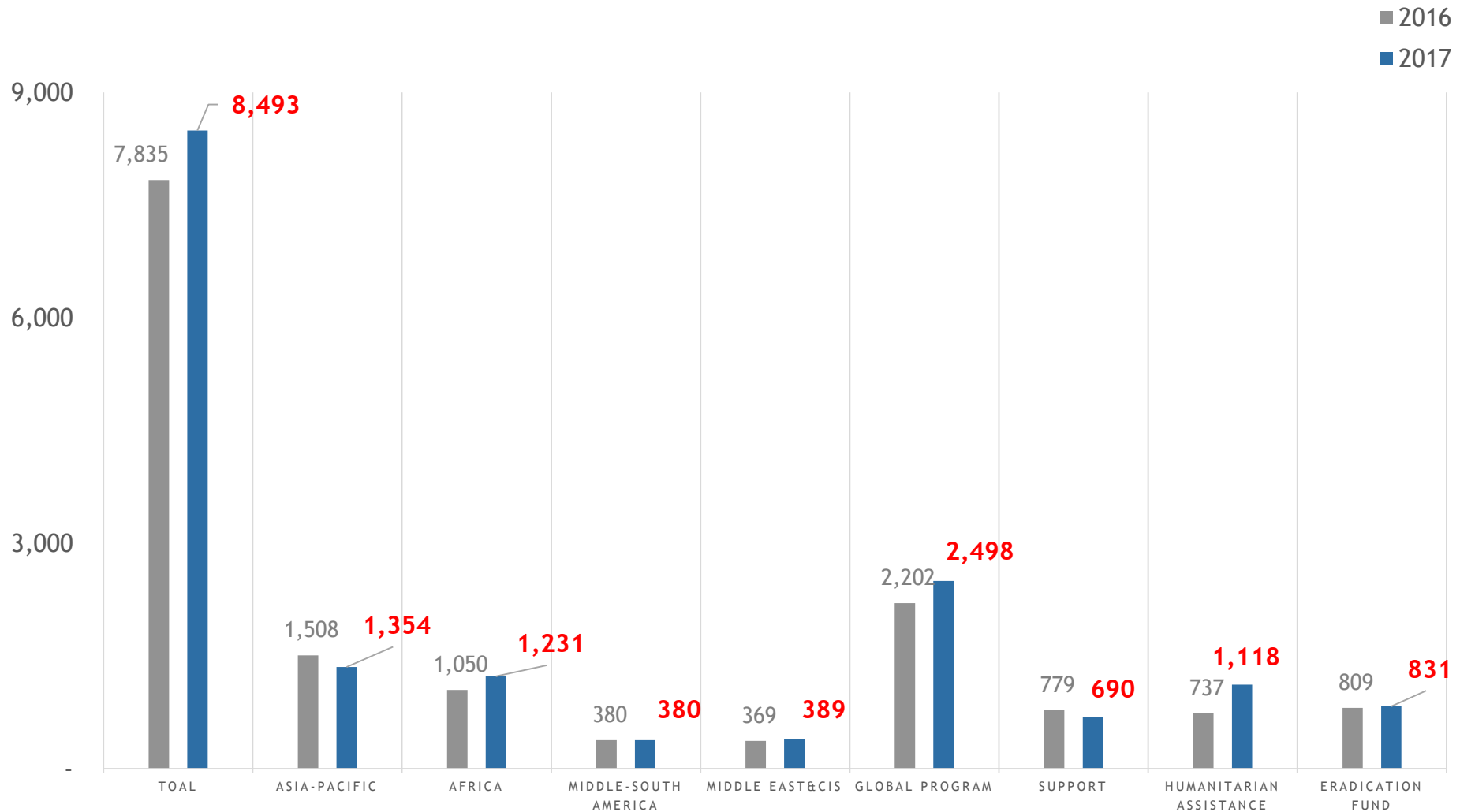
## \* 2016 vs 2017 Budget Comparison

In 2017, KOICA's budget rose by **8.4%** (by source of funding)

to **849.3 billion (KRW) / 741.9 million (USD)**



**\* 2016 vs 2017 Budget Comparison (by allocation)**



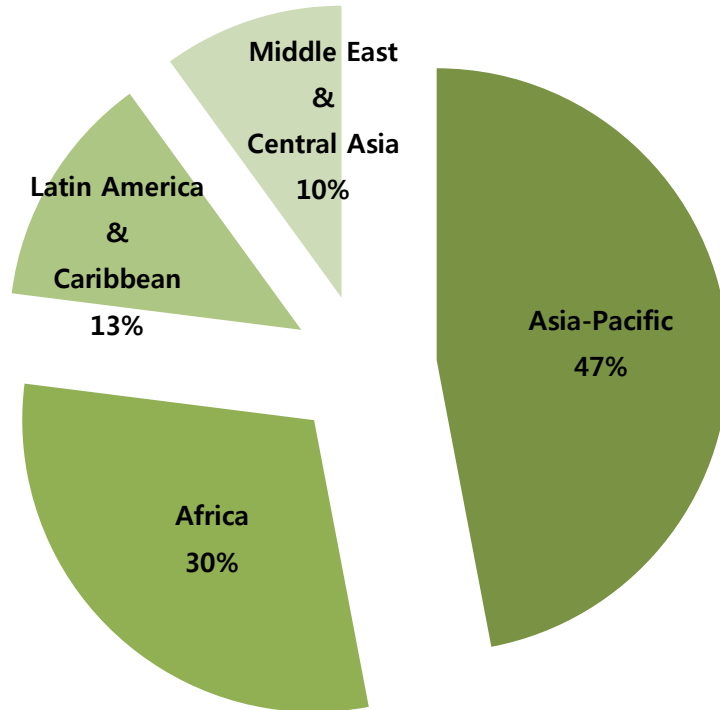
## Overview

- Target countries : **56 countries** in total
- Project size : **Approximately KRW 335 billion (USD 300 million)** (39.5% of total budget)  
**285 projects** (including new / continuing projects)
- type : Project type (including DEEP)
- Overview of Regional Budget

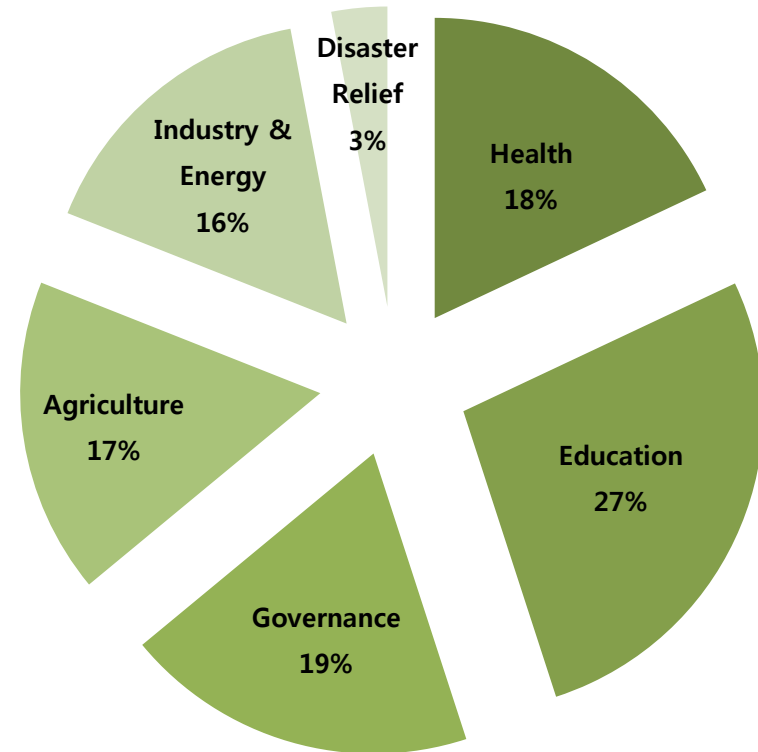
Area	Aid amount(KRW)	No. of projects (new/continue)	%
Asia-Pacific	135.4 billion	121 (11/110)	40.4%
Africa	123.1 billion	86 (8/78)	36.7%
Middle-America	38 billion	42 (5/37)	11.3%
Middle East, CIS	38.9 billion	36 (9/27)	11.6%
<b>TOTAL</b>	<b>335.4 billion</b>	<b>285 (33/252)</b>	<b>100%</b>

# Statistics of KOICA (2015)

## ➤ By Region



## ➤ By Sector



## ➤ By Type

Projects and DEEP	Private-Public Partnership	Fellowship Program CIAT	World Friends Korea	Multilateral Cooperation
283 Projects	104 Projects	4,755 Fellows 287 Courses	4,768 Volunteers	13 Projects 11 Organizations

➤ Deep: Development Experience Exchange Partnership

➤ World Friends Korea: Volunteer Program

## 2. KOICA Climate Change Strategies

KOICA's Vision and Strategy  
 KOICA's Mid and Long Term Strategy(2017-2021)

**Mission** Promote amicable and cooperative relations and mutual exchange by rendering support for economic and social development of developing countries

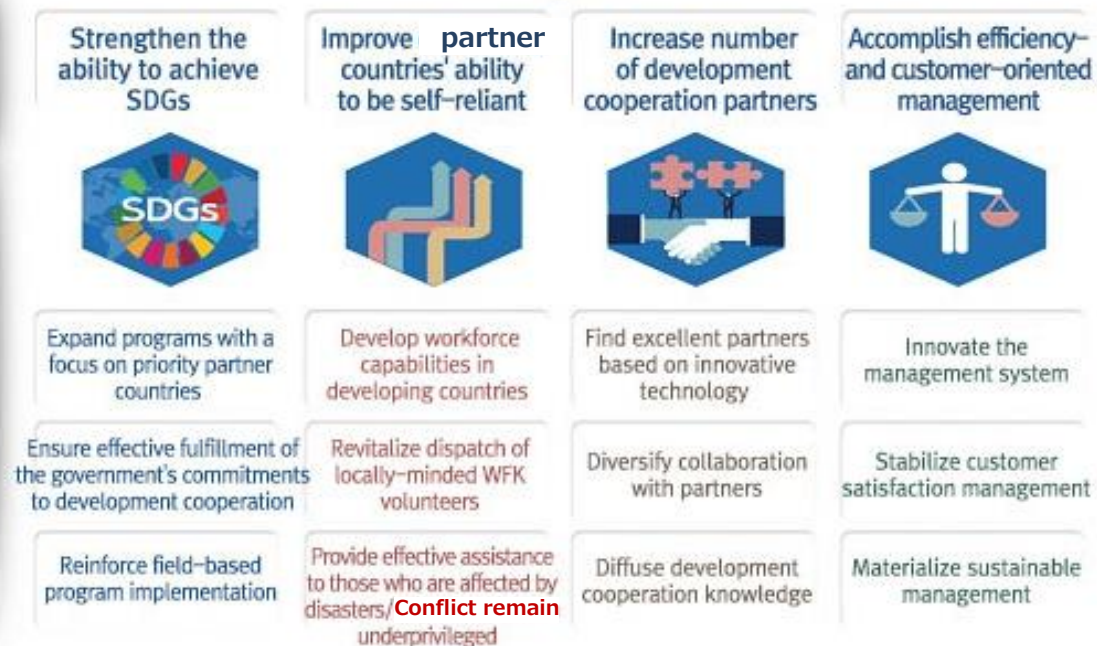
**Vision** Serve as a development cooperation platform contributing to **achieving of SDGs**

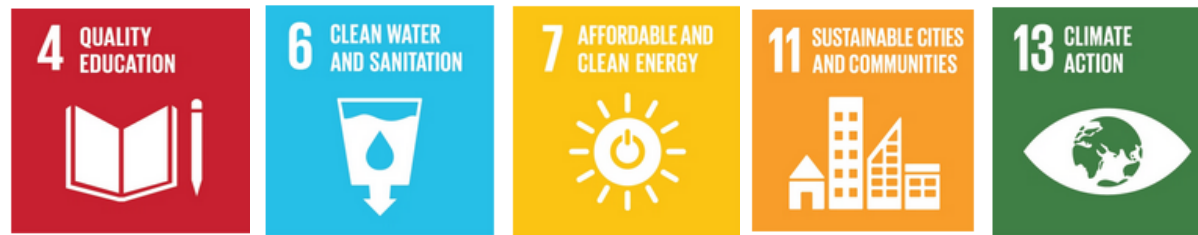
  
**Core Value**



  
**Direction**

  
**Strategic Goals**



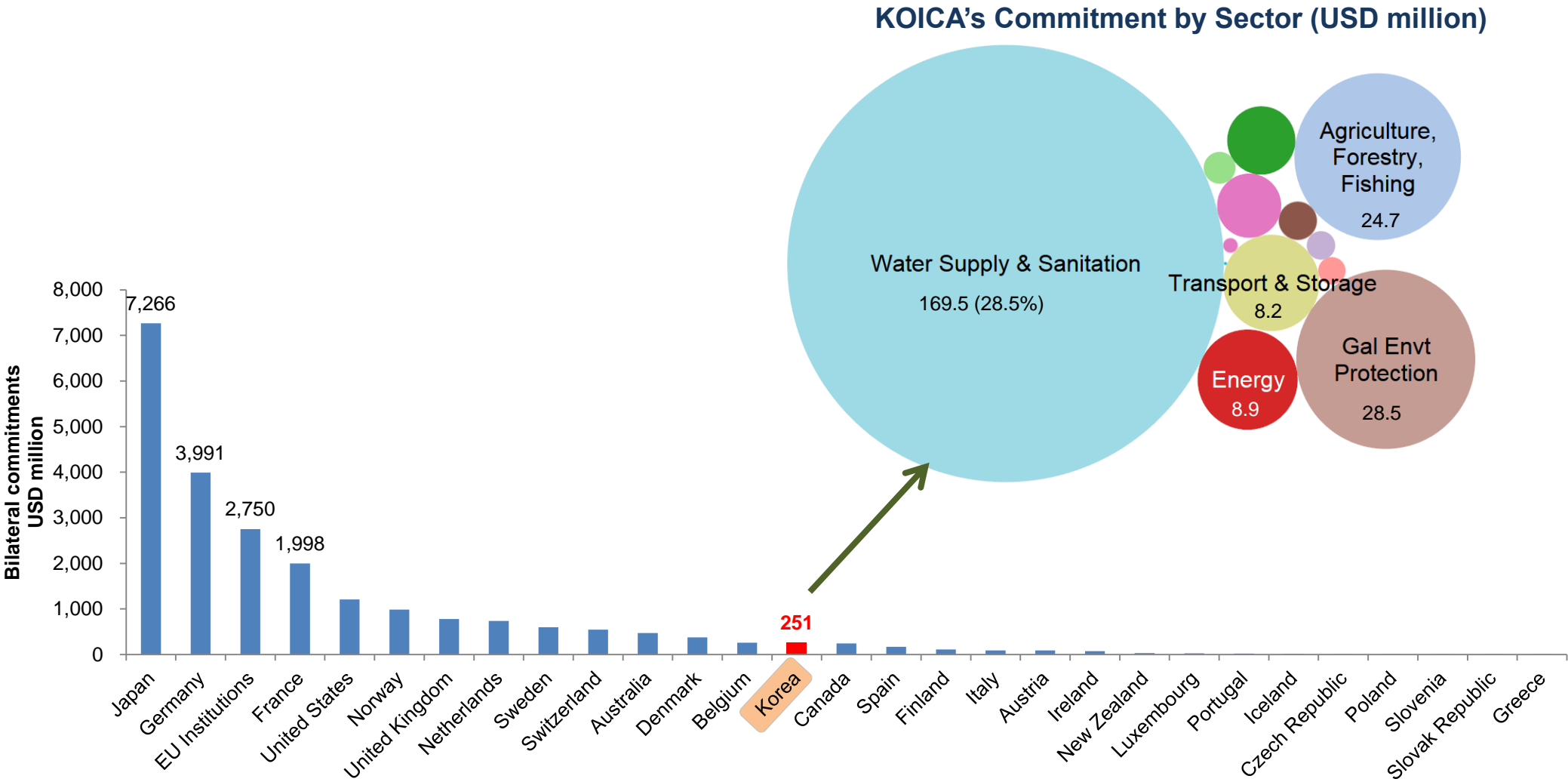


▲ **Vision** : Improving the quality of life in partner countries

▲ **Mission** : Contributing to building the climate change response capacity of partner countries

Strategic Objective	Major Programs
Promote sustainable development through projects for climate change response	<ul style="list-style-type: none"> <li>- <b>Mainstreaming of climate projects</b> : Expansion of climate-related projects by applying mitigation and adaptation technologies to new projects in other area or follow-up projects</li> </ul>
Strengthen capacity building for climate change	<ul style="list-style-type: none"> <li>- <b>Enhance adaptive capacity</b> : Support for developing countries to strengthen their climate change response capacities</li> </ul>
Enhance access to climate funds through financial mechanisms	<ul style="list-style-type: none"> <li>- <b>Catalyst to access global development</b> : Bringing role between developing countries and potential investors</li> </ul>

# Climate-related ODA by DAC Members (2014)

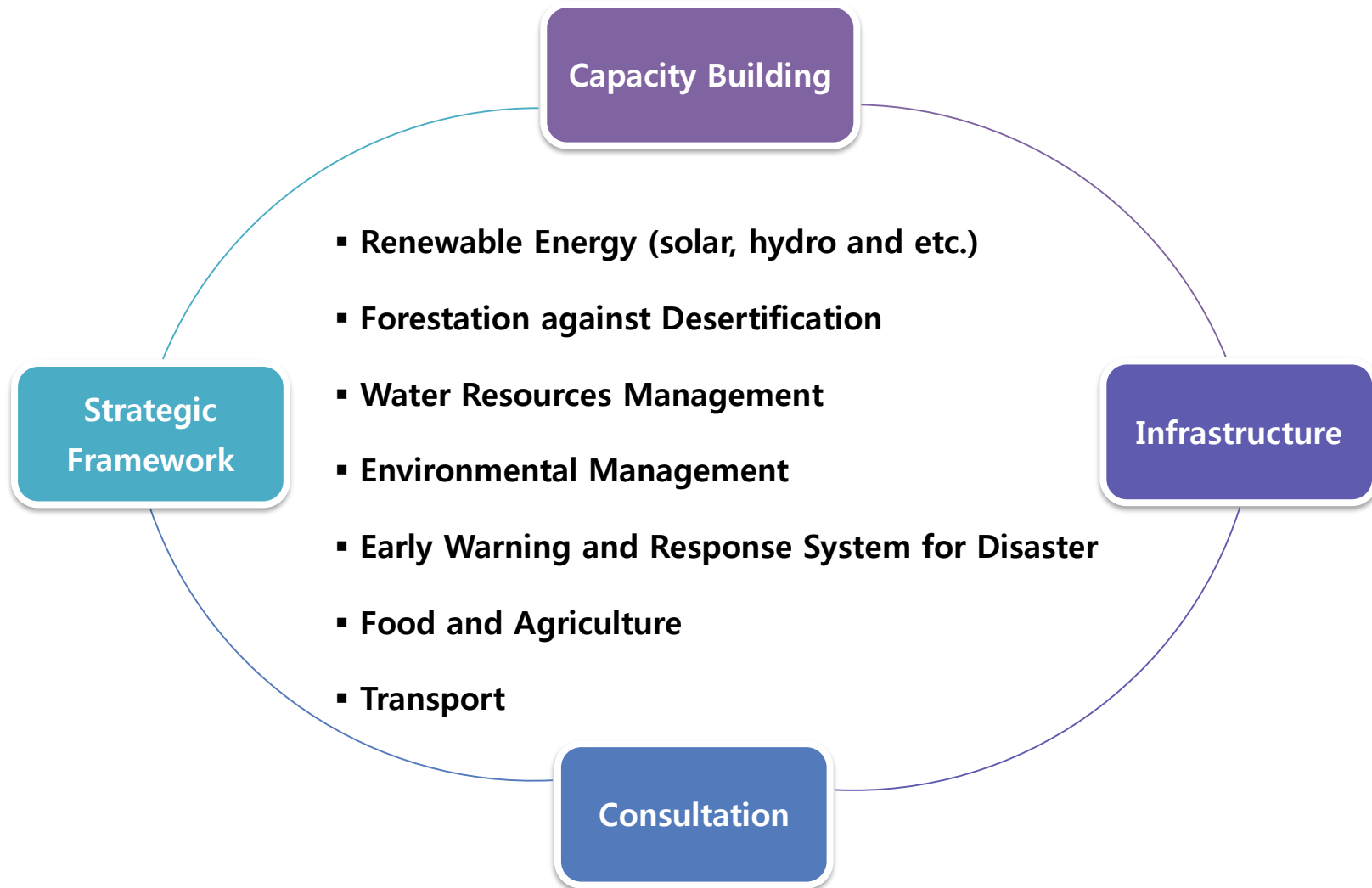


Source : OECD, <http://stats.oecd.org>

# KOICA Mid-term Sectoral Strategy 2016-2020

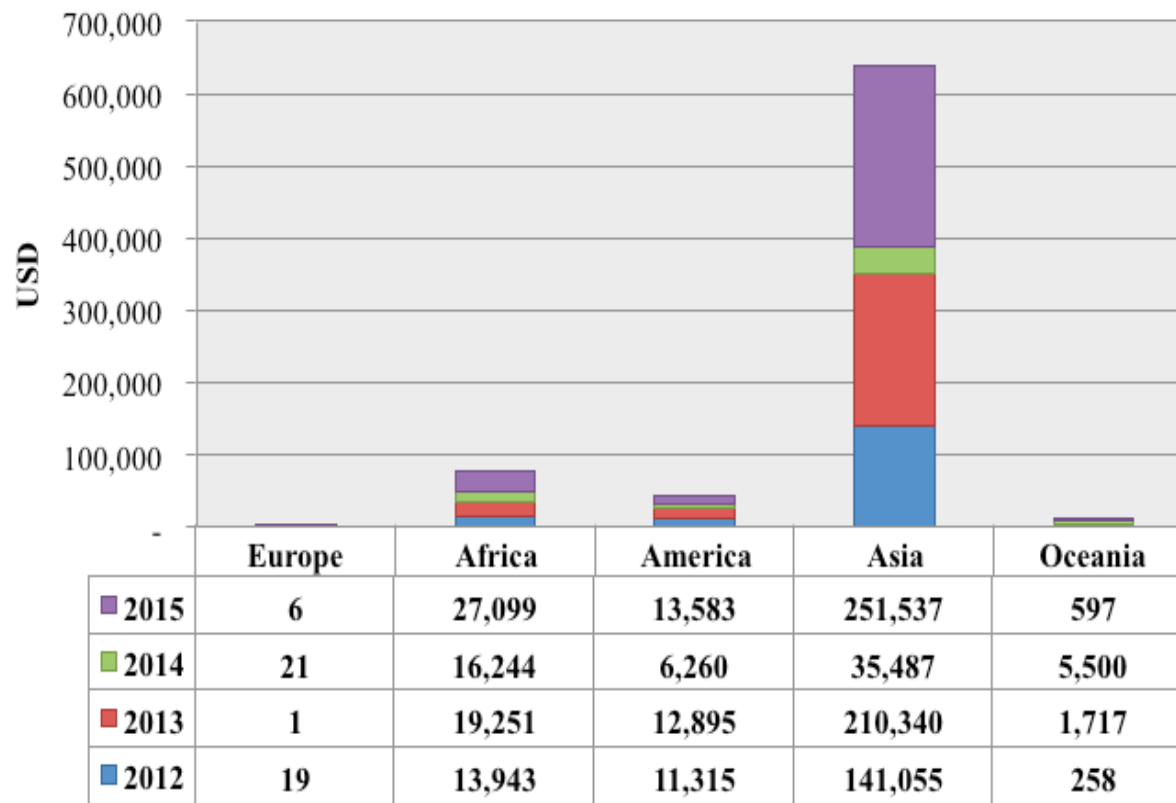
Climate Change	<ul style="list-style-type: none"><li>▪ Improving the quality of life in partner countries</li></ul>
Water	<ul style="list-style-type: none"><li>• Water as a natural right</li></ul>
Energy	<ul style="list-style-type: none"><li>• Promoting sustainable development through energy</li></ul>
Transportation	<ul style="list-style-type: none"><li>• Connecting people and driving the economy forward</li></ul>
Gender Equality	<ul style="list-style-type: none"><li>• Society with gender equality and women's dignity</li></ul>
Science, Technology and Innovation(STI)	<ul style="list-style-type: none"><li>• Mobilizing an innovation-based economy that developing countries can facilitate through their own efforts</li></ul>
Education	<ul style="list-style-type: none"><li>• Inclusive development through quality education</li></ul>
Health	<ul style="list-style-type: none"><li>• Ensuring healthy life and dignify for all</li></ul>
Governance	<ul style="list-style-type: none"><li>• Effective and inclusive governance</li></ul>
Agriculture & Rural Development	<ul style="list-style-type: none"><li>• Securing the comprehensive well-being for rural people</li></ul>

# Climate Change-related Sectors



# Korea Climate ODA : by region

**Korea Climate ODA by Recipient Region by Year  
(USD thousand)**



# 3. Case Studies

# Projects Development & Implementation

1. Mainstreaming climate change components into projects (as a cross-cutting issue)
  - Environment and Social Safeguard → Environmental mainstreaming (OECD DAC Peer Review)
  - Environmental Impact Assessment (tool)
2. Development & implementation of climate change oriented projects
  1. Mitigation projects (GHG emission reduction)
  2. Adaptation projects (climate resilience enhancement)
  3. Capacity building

# Capacity Building Programs

1. Capacity building in climate change projects
2. Fellowship programs
3. Training programs
4. Climate finance readiness support

# Partnership

## 1. Domestic Partnership

- Gov.: MOFA, MOSF, MOE, MOTIE, MSIP...
- Specialized institutions: K-Water, Korea Energy Cooperation, KEITI...
- Research institutes: KDI, KEI, KICT, universities...
- Private sector: Consulting firms, companies...

## 2. International Partnership

- Bilateral partners: JICA, GIZ, AfD...
- International orgs: OECD DAC, UN agencies, MDBs, Funds(GCF and etc.)
- Developing countries

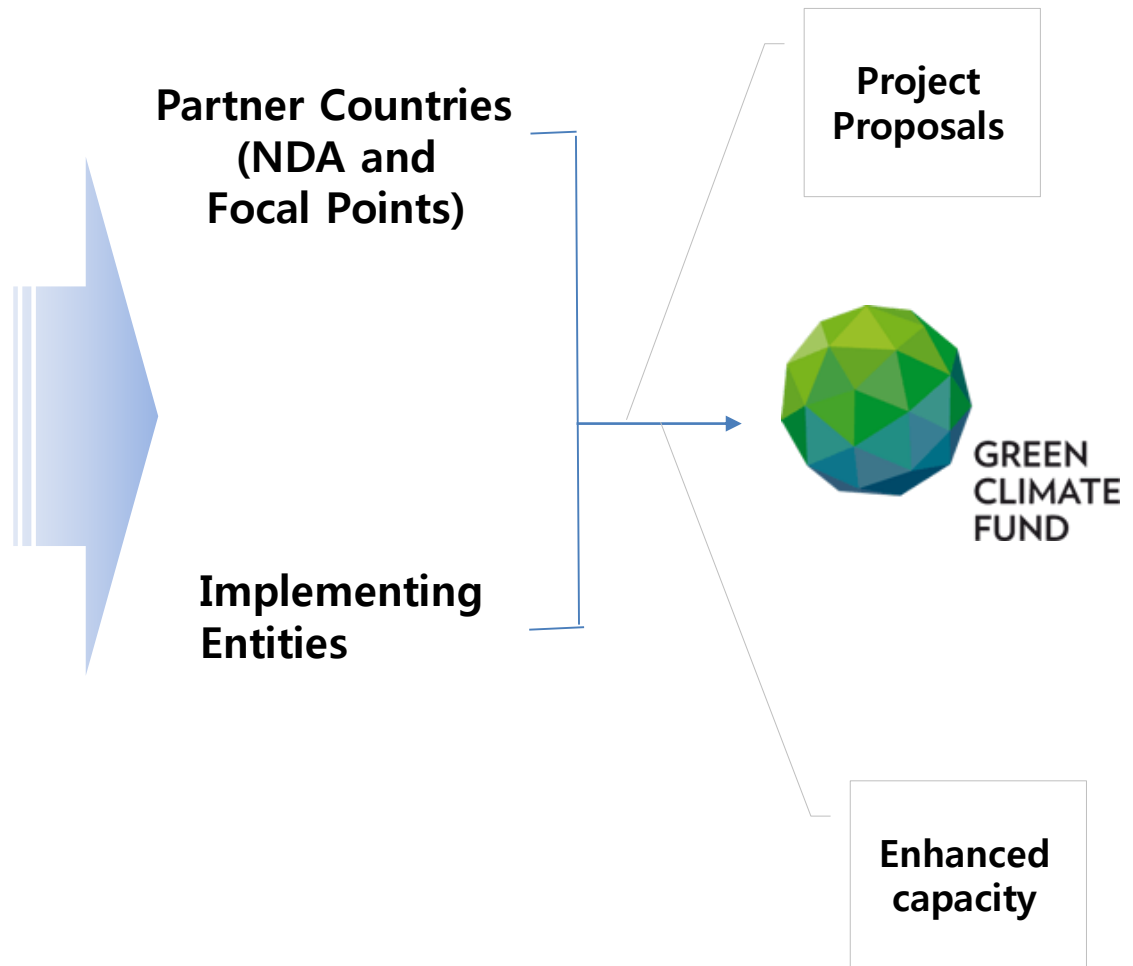
# Green Climate Fund

- UNFCCC's major financial mechanism
- Located in Songdo, Incheon
- Multi-stakeholders including developed and developing countries
- Emphasizing impact potential and paradigm shift potential to climate-resilient and sustainable development
- Encouraging private sector participation and public-private-partnership financing
- Funding allocation. Mitigation : adaptation=50:50
- Funding allocation to the least developed countries(LDCs) and small island countries

# Potential Partnership with the GCF

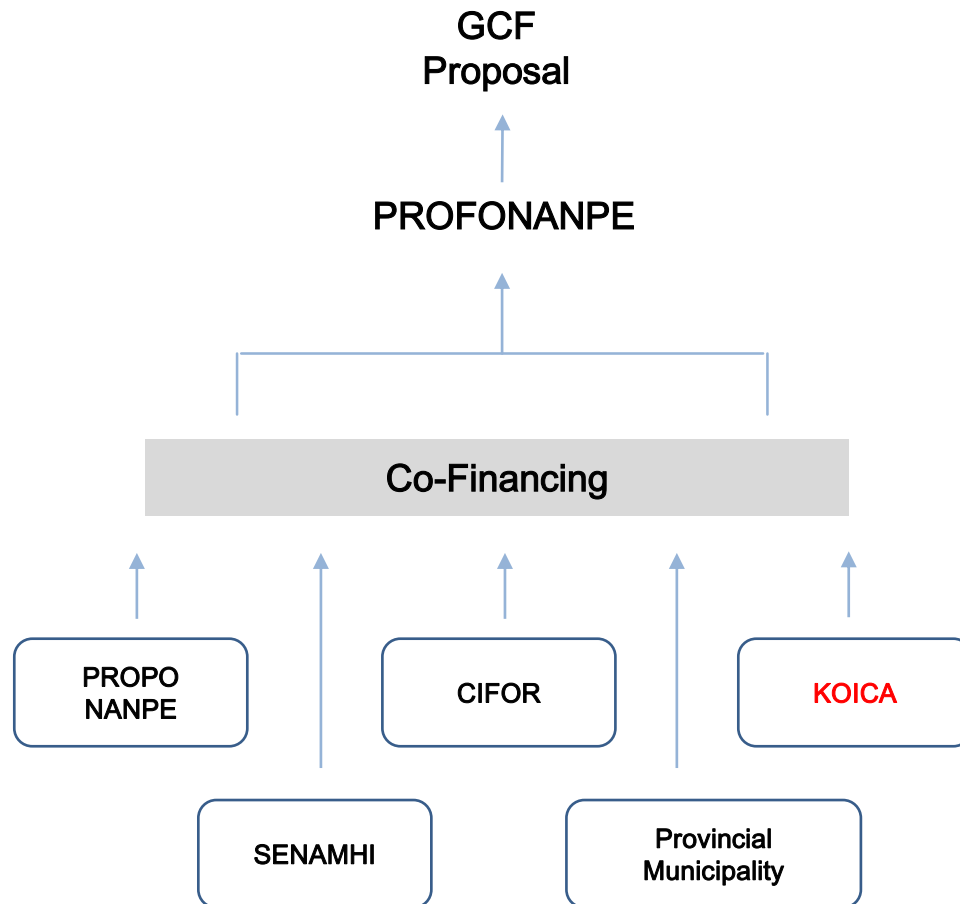
## KOICA supports...

- Pipeline development for programs and projects to the GCF
- Capacity building & readiness support:
  - ✓ knowledge sharing
  - ✓ Supporting NDAs and Focal Points



# Potential Partnership with the GCF

- Project Case 1 : Building the Resilience of Wetlands in the Province of Datem del Marañón, Peru



## Project objective

- To protect and conserve the rich carbon stock by preserving the Amazon rainforest

## Strategy

- Develop appropriate land use plans
- Develop sustainable operational plans of natural resources
- Support the creation of sustainable bio-businesses
- Entrust management responsibility to the users of the natural resources

## KOICA's participation

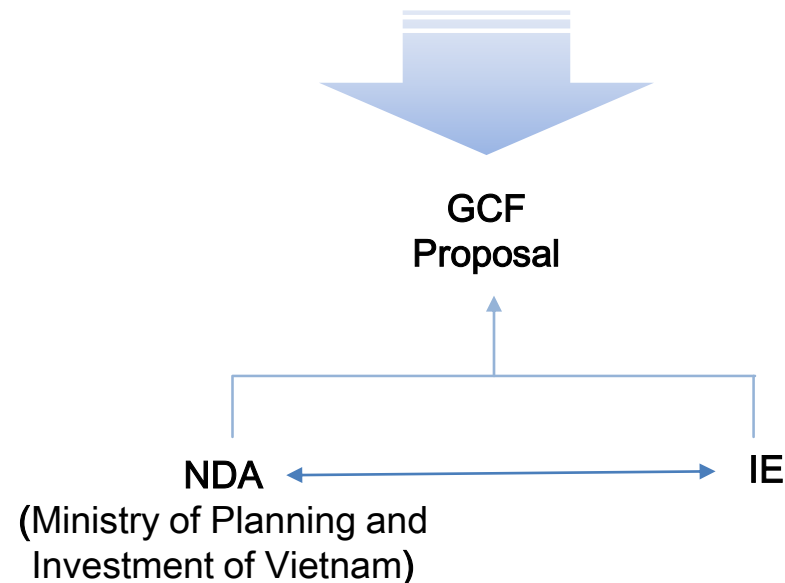
- To support the application of the solar energy system for the project operation, including equipment operation and lighting

# Potential Partnership with the GCF

- Project Case 2: The Project for Supporting Green Growth Strategy Implementation in Vietnam

## KOICA supports Vietnam

- To develop national and provincial level green growth strategies
- To develop pipelines program and project proposals



# Potential Partnership with the GCF

## ➤ Getting accredited

### **Korea Development Bank (KDB)**

- Loan, guarantee, equity (KDB)

### **Korea International Cooperation Agency(KOICA)**

- Grant (KOICA)



# Photovoltaic Power Plant in Ecuador

Name of Project

- Establishment of Photovoltaic Power Plant in Galapagos-Santa Cruz Island

Country & Period

- Ecuador / 2010-2012

Objective

- To preserve the ecosystem of Galapagos Islands by reducing the environmental risks associated with diesel engines

Input

- Construction of 1.5 MWp Photovoltaic Power Plant
- Capacity building by providing a consultation and training program



# Early Warning and Response System in the Philippines

➤ About 19 typhoons enter the Philippines each year, and of these, usually 6 to 9 make landfall

<Most destructive typhoons>



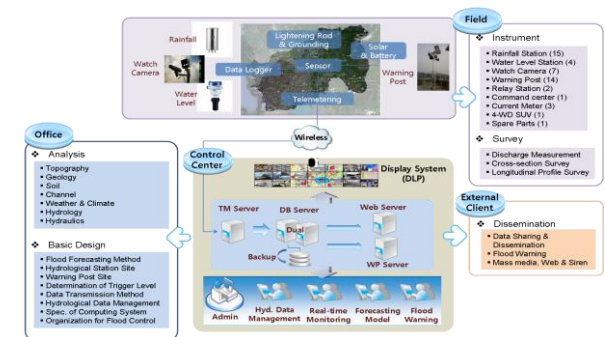
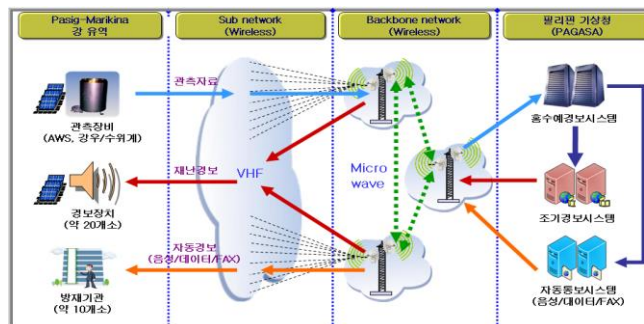
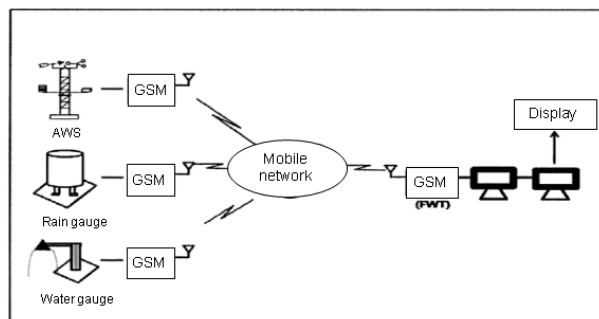
Rank	Typhoon	Date of impact	Property loss (USD)
1	<b>Haiyan</b>	<b>2013</b>	<b>2.02 bn</b>
2	Bopha	2012	1.04 bn
3	Rammasun	2014	871 m
4	Parma	2009	608 m
5	Nesat	2011	333 m
6	Fengshen	2008	301 m
7	Megi	2010	255 m
8	Ketsana	2009	244 m
9	Mike	1990	241 m

# Early Warning and Response System in the Philippines



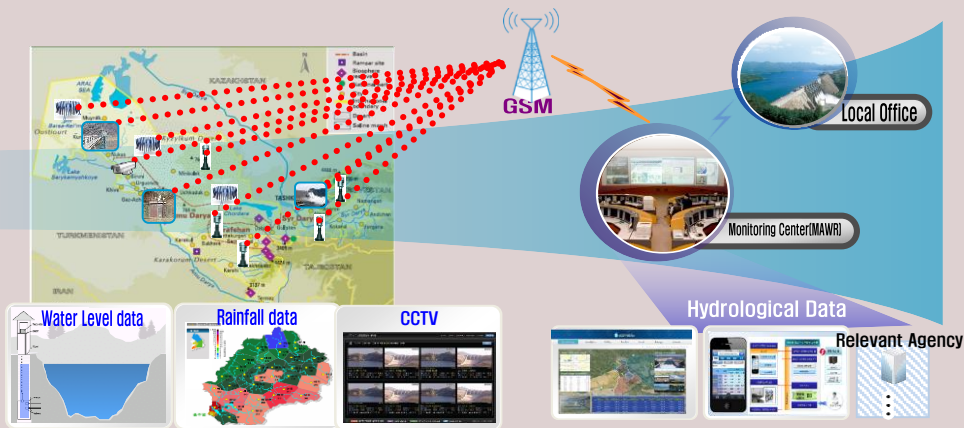
## Objectives

- Increase agricultural productivity by reducing water-related disasters
- Build capacity
- Implement 'Early Warning and Response System'
- Expand 'Early Warning and Respond System'



## Water Resources Management

## Water-related Disaster Management



### Master plan and Pilot project with ICT-based Integrated Water Resources Management System in Uzbekistan

- Period : 2016-2019
- Project Components
  - Master plan for integrated water resources information system
  - Pilot project for nation wide & intensive water monitoring and management system
  - Capacity building



### Technical Assistance for Increasing Readiness of NCICD Implementation and Investment in North Jakarta, Indonesia

- Period : 2014-2018
- Project Components
  - Technical consultation of an existing dyke and embankment
  - Analysis of flood management plan and water quality improvement
  - Cooperative project with the Netherlands

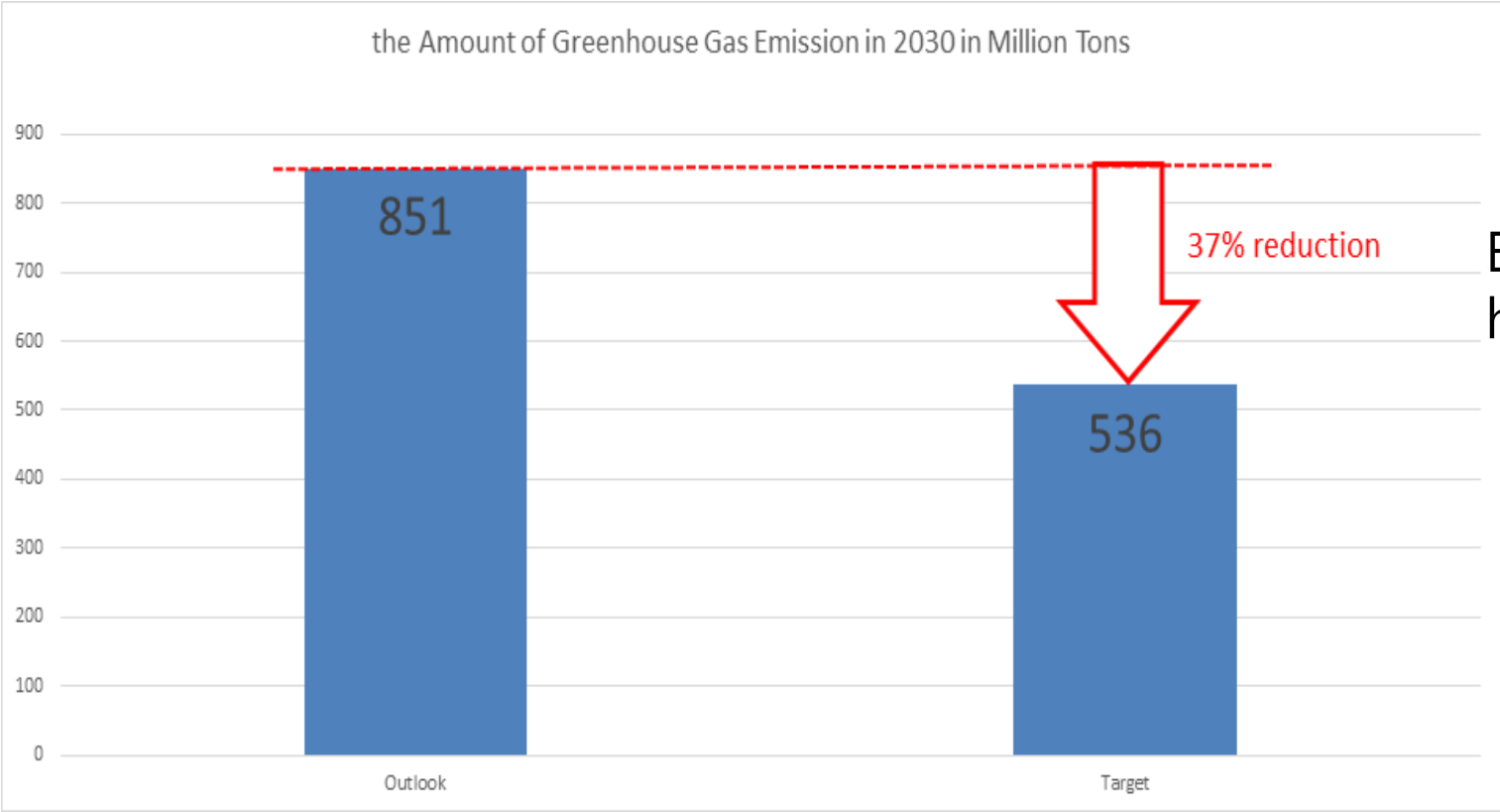
# 4. Issues

# Korea Profile

- Mean temperature rise during last 100 years: 1.5 degrees, compare to global rise 0.74 degrees
- World's 16<sup>th</sup> largest accumulated GHG emission country
- Currently 7<sup>th</sup> largest GHG emission country, the highest rate of increase for the last 20 years
- World's 9<sup>th</sup> highest energy consuming country
- Paris Agreement → ???

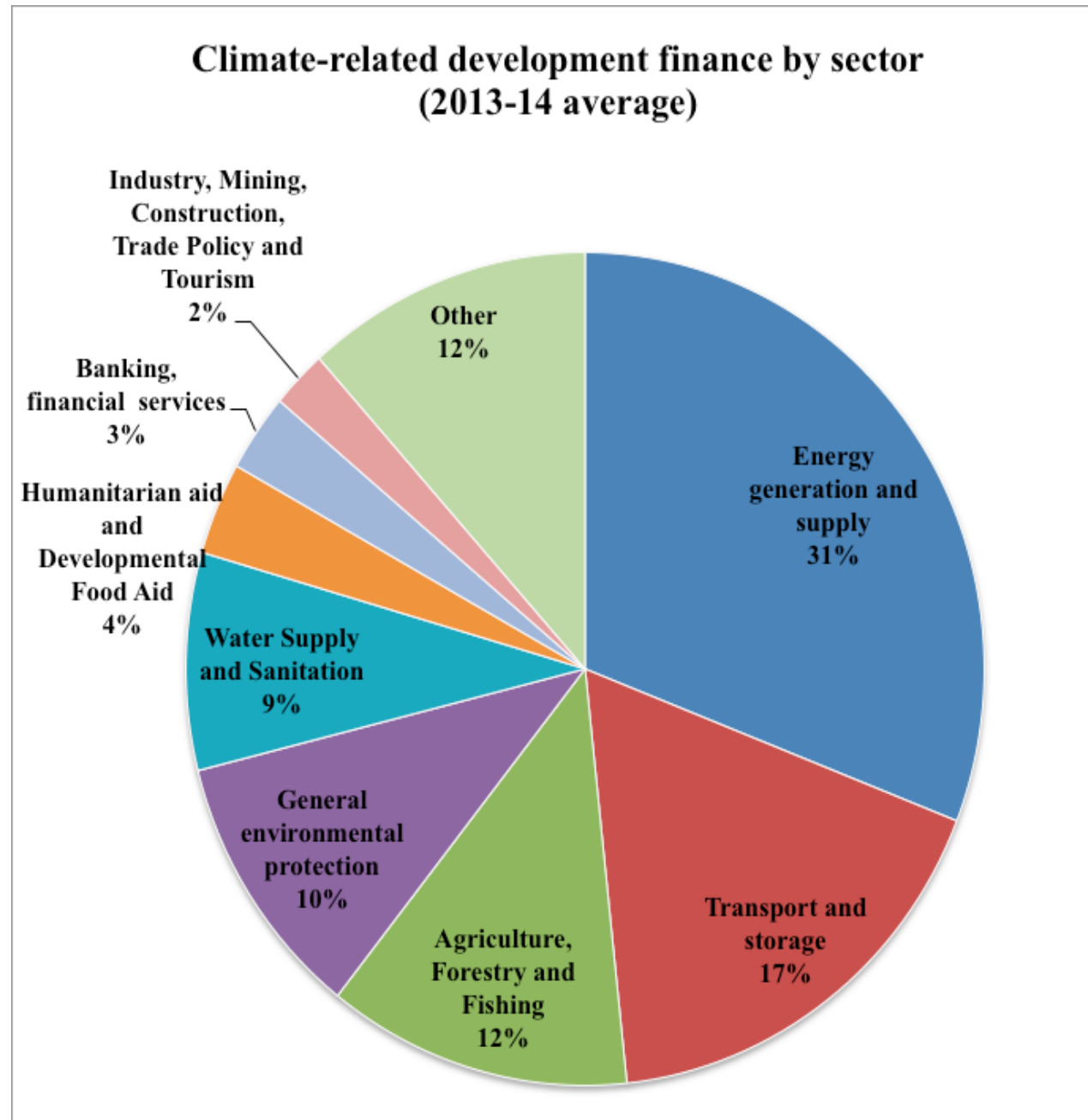


# Roadmap of GHG Emission Reduction : Korea



But how???

# Climate Development Finance : global



# Climate Development Finance : KOICA



**Thank you**

**KOICA**<sup>한국국제협력단</sup>  
Korea International  
Cooperation Agency