

Making a better world together

Second UN Thematic Special Session on Water and Disaster
High Level Panel Debate on Water and Disasters

The Strategy of KOICA for Water-related Disasters Reduction

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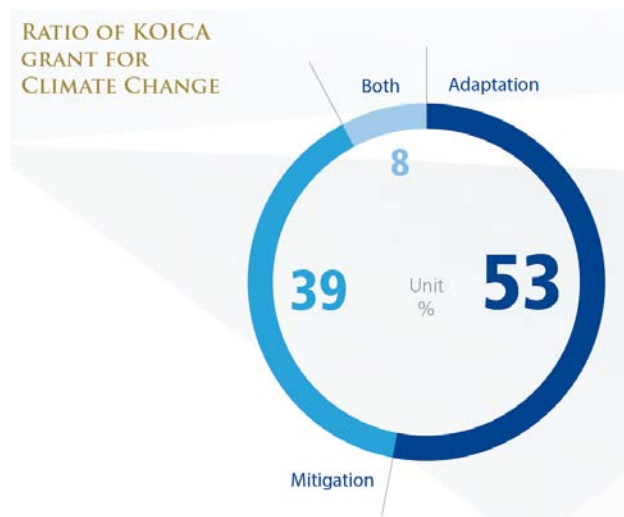
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1. KOICA's Five Priorities for SDGs

- **Climate Change Response & Water**
- Saemaul Undong (community-based rural development) for Sustainable and Inclusive Development
- Education & Better Life for Girls
- Healthy Life for Human Dignity (Safe Life for All)
- Science, Technology & Innovation

Ratio of KOICA Grant for Climate Change **10%** over the passed 5 years



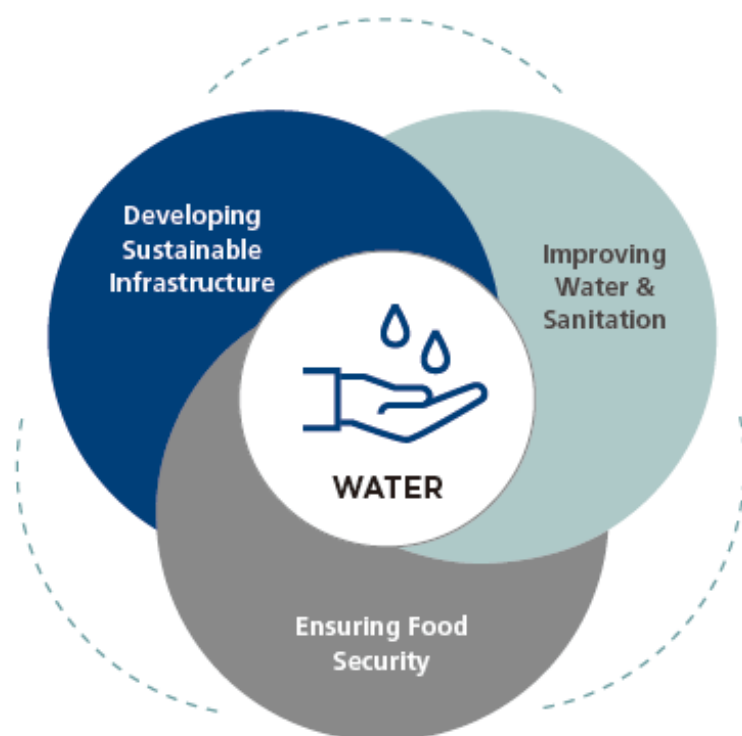
CLIMATE CHANGE RESPONSE

STRATEGY

- Mitigation**
 - Assist reducing green house gases through renewable energy, forest restoration etc.
 - Consulting on macro green growth strategy
- Adaptation**
 - Develop infrastructure and system for water resources management and disaster risk management
- Capacity Building & Readiness Support**
 - Establish country-driven framework for climate change response
 - Technical assistance and capacity building for financing and implementation of program

❖ KOICA's Strategy for Water Sector

Water for Better Life



[1] Ensuring Food Security & Income Generation

- Increasing agricultural productivity by improving water resource infrastructures
- Supporting inclusive and integrated rural development for vulnerable population

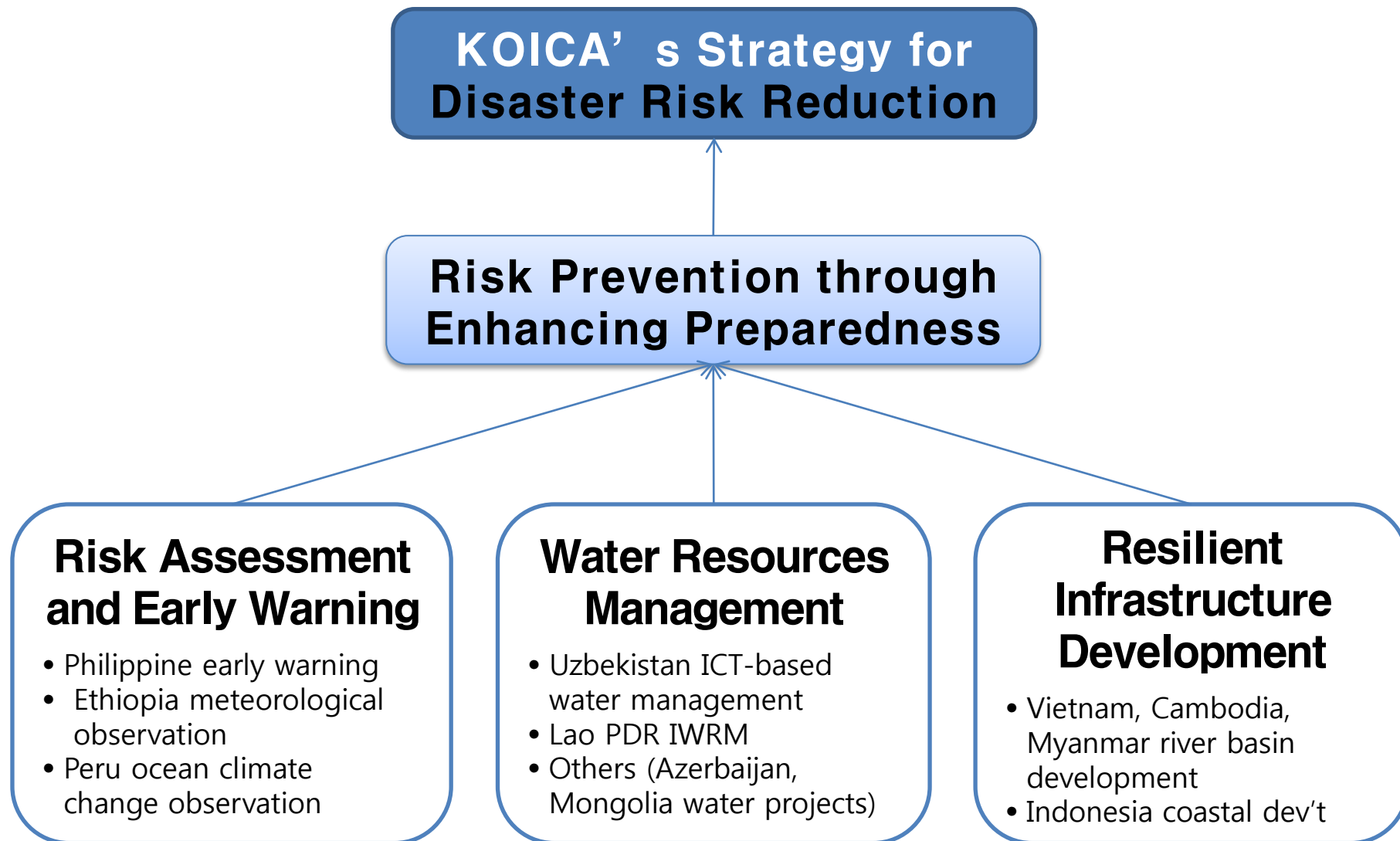
[2] Improving Water and Sanitation

- Providing safe and sustainable water supply systems and basic sanitation facilities
- Increasing awareness on sanitation and instilling hygiene behavioral changes through education

[3] Developing Sustainable Infrastructure

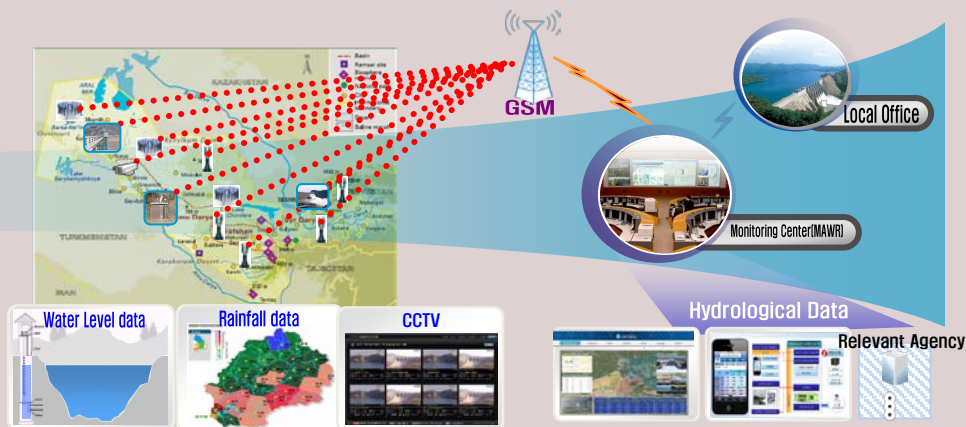
- Providing sustainable and resilient water infrastructure
- Establishing country-driven strategic framework for water resources management and disaster response

❖ KOICA's Strategy for DRR



2. KOICA's Activities

❖ Water Resources 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



Establishing Master plan of Integrated Water Resources Management for Nam Ngum river basin in Lao PDR

- Period : 2016-2018
- Project Components
 - Master plan for integrated water resources management
 - Feasibility Study for improving water resources and dam operating system
 - Capacity building

2. KOICA's Activities

❖ Water Resources Management



Establishment of Water Supply in Kurdakhani settlement in the Absheron peninsula in Azerbaijan

- Period : 2010-2015
- Project Components
 - Basic and detailed design for water supply, wastewater treatment system
 - Construction of water supply and drainage facilities
 - Capacity building

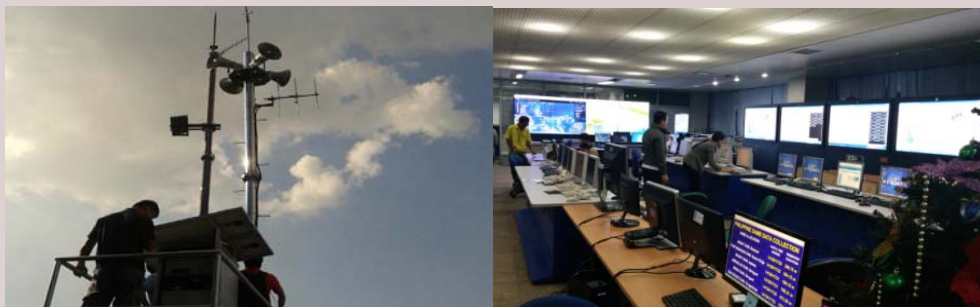


Development of New water supply sources for Yarmag area of Ulaanbaatar city in Mongolia

- Period : 2010-2014
- Project Components
 - Master plan for water supply system
 - Construction of solar power pumping station, water distribution reservoir, etc.
 - Public water information center

2. KOICA's Activities

❖ Disaster Management



Establishment of an Early Warning and Monitoring System for Disaster Mitigation in the Philippines

- Period : 2007-2017
- Project Components
 - Planning of a risk assessment in response to urgent disaster
 - Construction of a flood forecasting and warning system
 - Emergency preparedness training

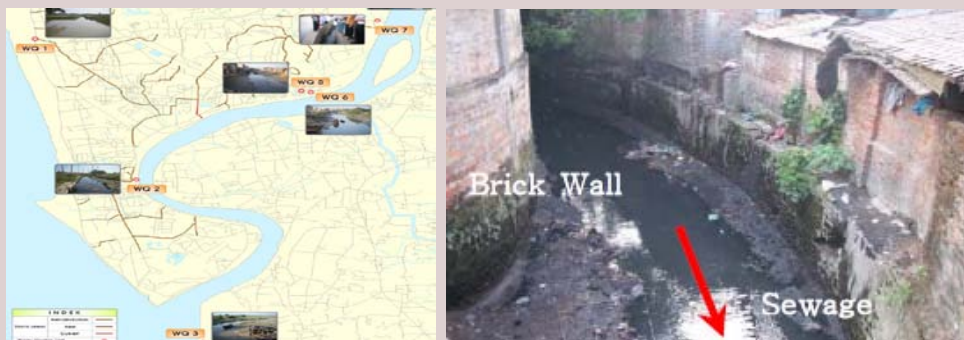


Capacity building of the Ocean Climate-Change Observation in Peru

- Period : 2016-2019
- Project Components
 - Developing of DB management and quality control system
 - Oceanographic equipment for ocean climate fluctuation, El Nino
 - Integrated training method of deep sea probe

2. KOICA's Activities

❖ Disaster Management



Preparation of Master Plan for Water Supply and Wastewater Management in Chittagong, Bangladesh

- Period : 2007-2008
- Project Components
 - Establishment and management of sustainable infrastructure for water and sanitation
 - Master plan for water supply and wastewater treatment system
 - Planning for a mid-term and long-term strategy on water resources supply



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

3. KOICA's Lessons-learned

- **Ownership creation for beneficiaries, Institution buildings, Coordination among relevant authorities and sustainable mechanism for operation**
- **Need for Technology and Finance**
 - Technology is essential for developing countries
 - Effective disaster risk reduction calls for an extensive range of infrastructure, which entails financing on a large scale
- **Need for Collaboration**
 - Inclusive approach and closer collaboration with recipient governments and other partners
 - KOICA is currently collaborating with NGOs, Int'l Orgs and the Netherlands in Indonesia, and with AfD in Côte d'Ivoire and ready to join other partners.



Technical Assistance for Increasing Readiness of NCICD Implementation and Investment (2014-2018)



Social Connections to the Water Supply Network for the Citizens of Abidjan, Côte d'Ivoire (2015-2015)

4. KOICA's Suggestions

■ Inclusive Partnership

- Enhancing partnership activities and engaging various actors from a wide range of expertise are urgent, to timely respond to global disaster risks in disaster vulnerable areas
- Cooperate with other partners, including aid agencies, international organizations, particularly with various financial resources (MDBs, Special-purposed funds such as GCF, as well as Potential private investors)
- Importance of Readiness building, Bankability consultation

■ Ownership

- Need for risk management initiated by local communities
- their ownership through capacity building of local government and people for the sustainability of disaster risk management.





Thank You