

KOICA Strategy for Rural & Agricultural Development

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Global Agricultural Issues

1. Healthy Food



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Healthy and Sustainable Food



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The food we eat determines how healthy we are; yet the food available to us may do more harm than good—both to our health, and to the health of the land and oceans that provide it. At the same time, climate change contributes to extreme weather events that threaten a secure

ABOUT THIS PROGRAM

- Program Overview
- Our Vision
- What We Do

Global Agricultural Issues

2. Famine



KOICA,-WFP Global
Saemaul Zero Hunger
Community Projects
(2015.6.)



WFP (World Food Program)

Global Agricultural Issues

3. Monoculture

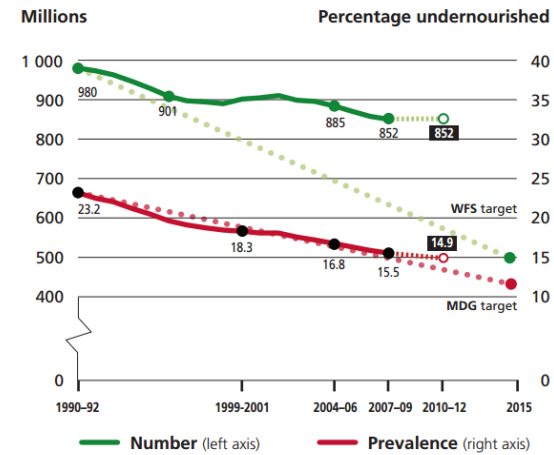


(Source: <https://ecosquared.wordpress.com>)

Global Agricultural Issues

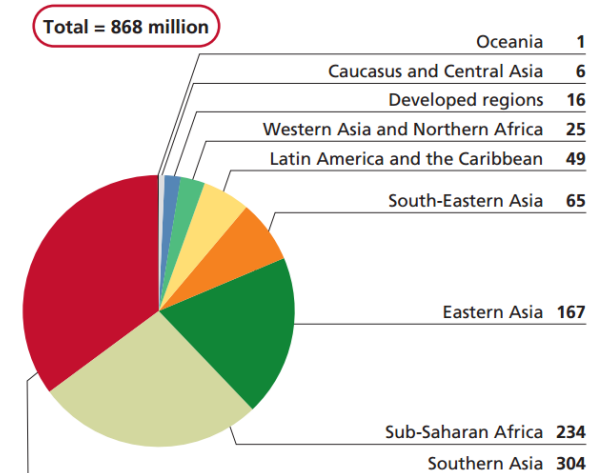
4. Food Security

Undernourishment in the developing world



Source: FAO.

Undernourishment in 2010-12, by region (millions)



Source: FAO.

Global Agricultural Issues

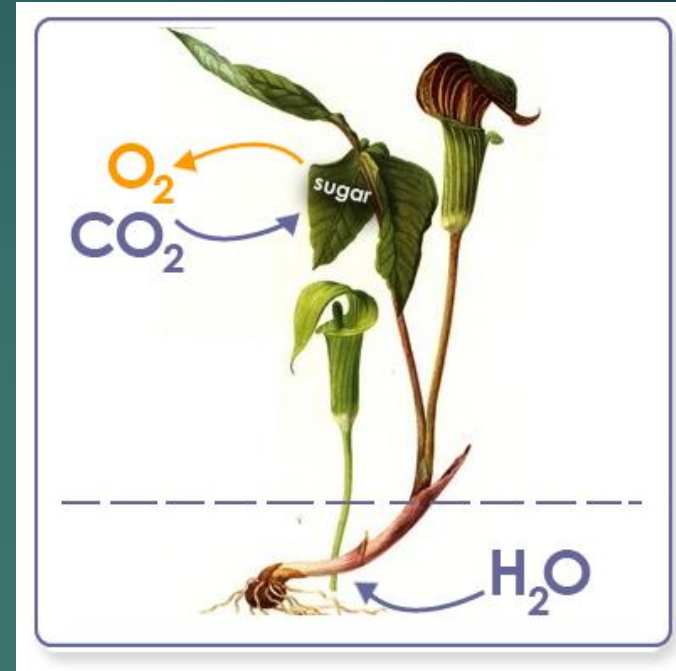
5. Irrigation



KOICA, Agricultural
Irrigation Development in
Lao PDR (2009.01.)

Global Agricultural Issues

6. Photosynthesis



(Source: <http://aventlearning.com>)

Global Agricultural Issues

7. Smallholder

180 OXFAM BRIEFING PAPER

23 APRIL 2014



Indigenous farmer in the municipality of Sayaxché, department of Petén, Guatemala, viewing the stunted corn crop on his land bordering an oil palm plantation. Photo: Oxfam / Pablo Tesco

SMALLHOLDERS AT RISK

Monoculture expansion, land, food and livelihoods in Latin America

EMBARGOED UNTIL 00:01 HRS GMT 23 APRIL 2014

Case studies of large-scale agricultural investment in Paraguay, Guatemala and Colombia show how monoculture expansion is displacing communities, undermining smallholder livelihoods and worsening local food security. Even when companies say they operate responsibly, their business model determines who bears the risks, who has access to capital and where market power lies. Responsibility should mean benefits and costs are fairly distributed and all rights upheld, including land rights. Private agricultural investment is needed, but it should complement rather than undermine smallholders, who are the main investors in agriculture.

www.oxfam.org



Global Agricultural Issues

8. Soil Erosion





2015

International
Year of Soils

healthy soils for a healthy life

PROTECT OUR SOILS

Our soils are in danger because of expanding cities, deforestation, unsustainable land use and management practices, pollution, overgrazing and climate change.

"We speak a lot of the importance of sustainable food systems for healthy lives. Well, it starts with soils."

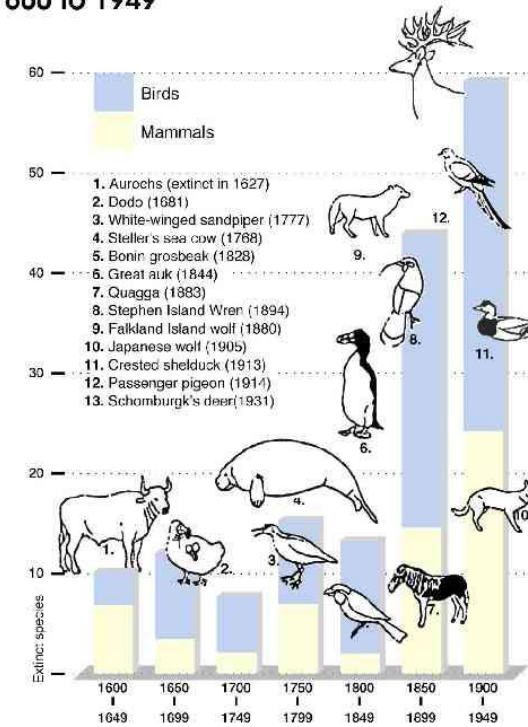
José Graziano da Silva, FAO Director-General

Global Agricultural Issues

9. Biodiversity



Birds and mammals that became extinct from 1600 to 1949



Source: *Keeping Options Alive: The Scientific Basis for Conserving Biodiversity* by Walter V. Reid and Kenton R. Miller, published by Diamond, Inc.

We are all connected.



From the smallest ant to the tallest tree,

FROM THE BIRDS ROAMING THE SKIES TO THE FISH SWIMMING IN THE SEA,

Each and every creature is part of the biodiversity family.

LET'S PROTECT OUR FAMILY.

Conserve biodiversity now.

FOR MORE INFORMATION ON BIODIVERSITY CONSERVATION, LOG ON TO
www.aseanbiodiversity.org or chm.aseanbiodiversity.org

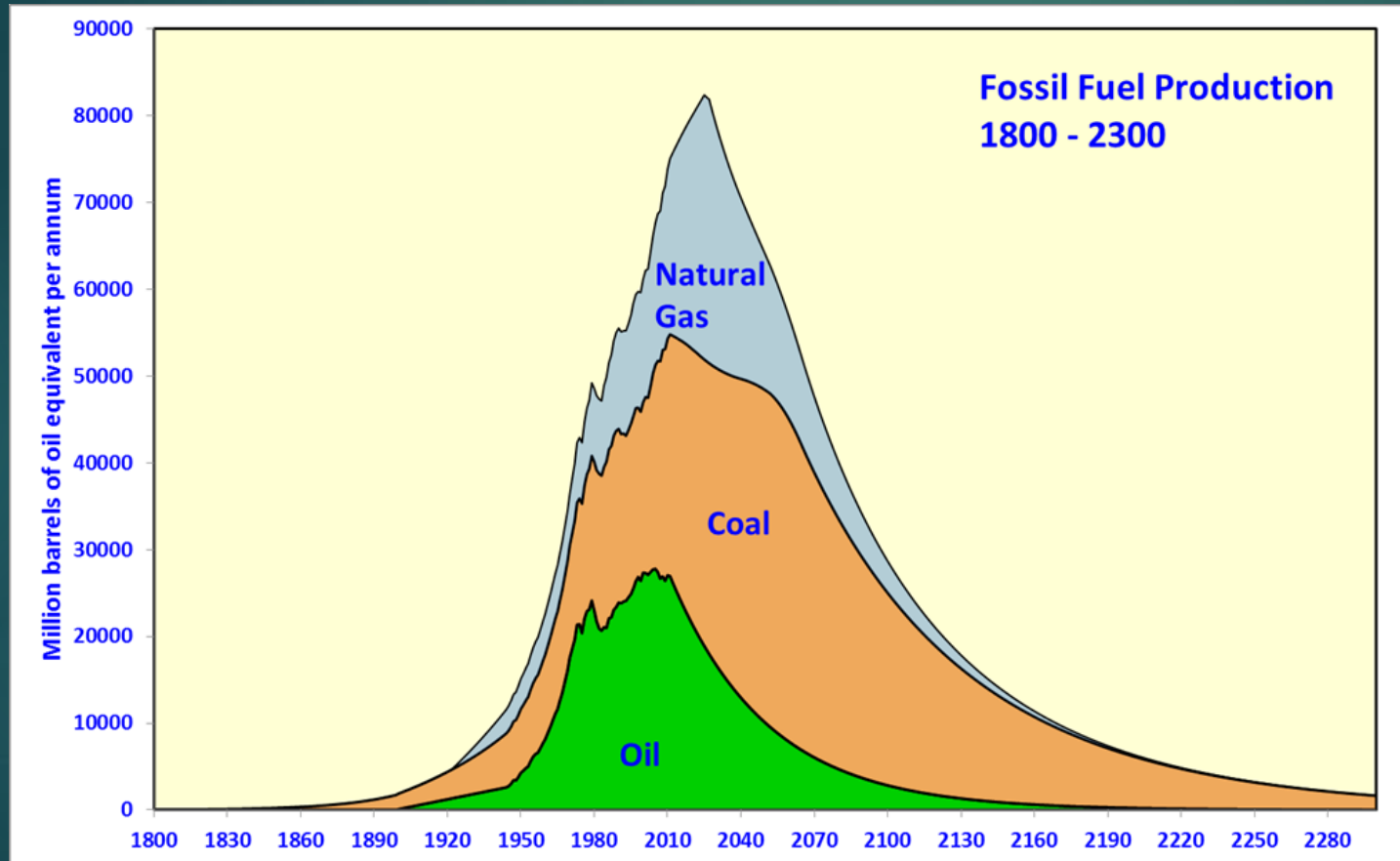


"The variety of life on Earth is essential for the welfare of current and future generations. The conservation, restoration and sustainable use of biological diversity can help solve a range of societal challenges.

Protecting ecosystems and ensuring access to ecosystem services by poor and vulnerable groups are essential to eradicating extreme poverty and hunger."
(2015.05.22. Message from the UN Secretary-General, Mr. Ban Ki-moon, at the International Biodiversity Day)

Global Agricultural Issues

10. Fossil Fuel



(Source: <http://wattsupwiththat.com/2011/11/13/the-fate-of-all-carbon/>)

Global Agricultural Issues

11. Climate Change

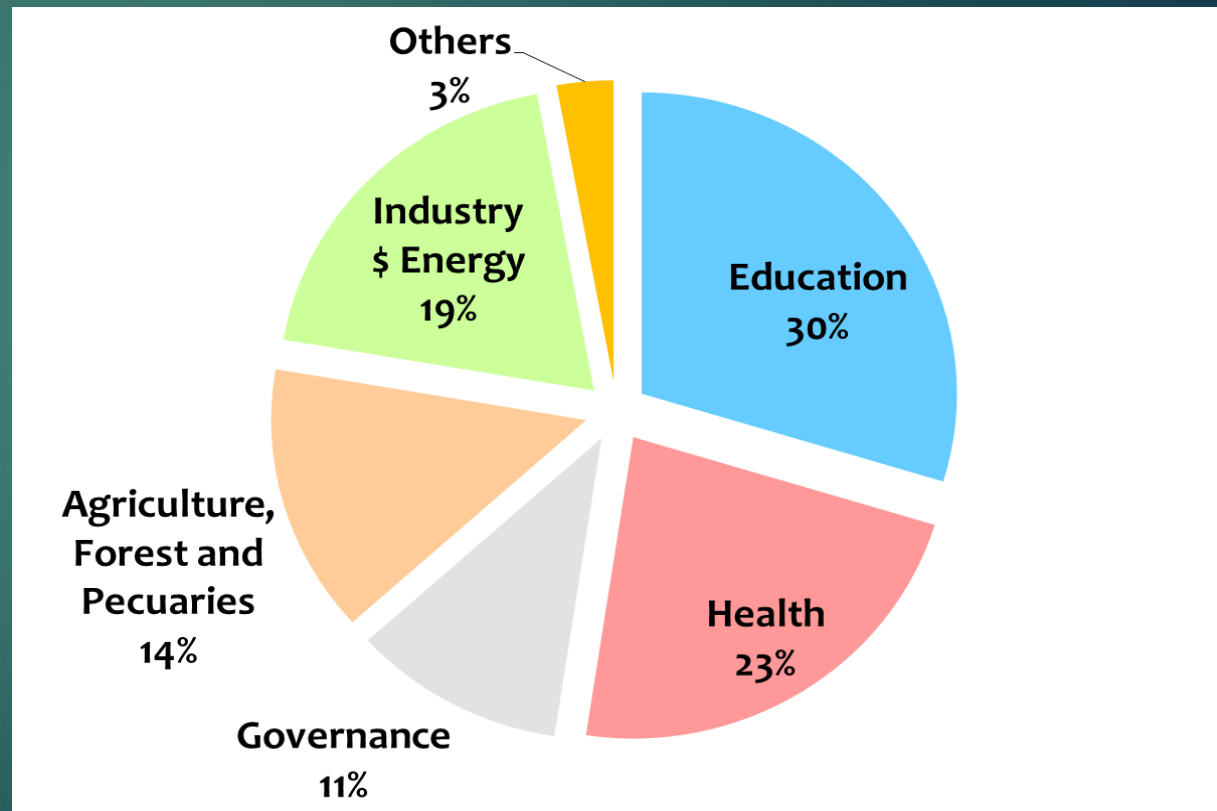


(Source: [http://www.poverties.org/famine-in-africa.html#gallery\[pageGallery\]/3/](http://www.poverties.org/famine-in-africa.html#gallery[pageGallery]/3/))

Sustainable Development Goals (SDGs)



KOICA Rural Development Strategy for the SDGs



KOICA Rural Development Strategy for the SDGs

1. Sustainable Production and Value Chain Increase

2. Inclusive Rural Development

3. Conservation of Natural Resources Coping with
Climate Change

1. Sustainable Production and Value Chain Increase

- ▶ Sustainable agricultural production and distribution system
- ▶ Agri-business by the farmer-based organizations/cooperatives (FBOs/FBCs) of smallholders

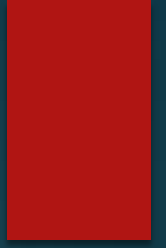
2. Inclusive Rural Development

- ▶ Sustainable Saemaul Undong projects
- ▶ Agro-ecological rural development based on local environment and resources

3. Conservation of Natural Resources Coping with Climate Change

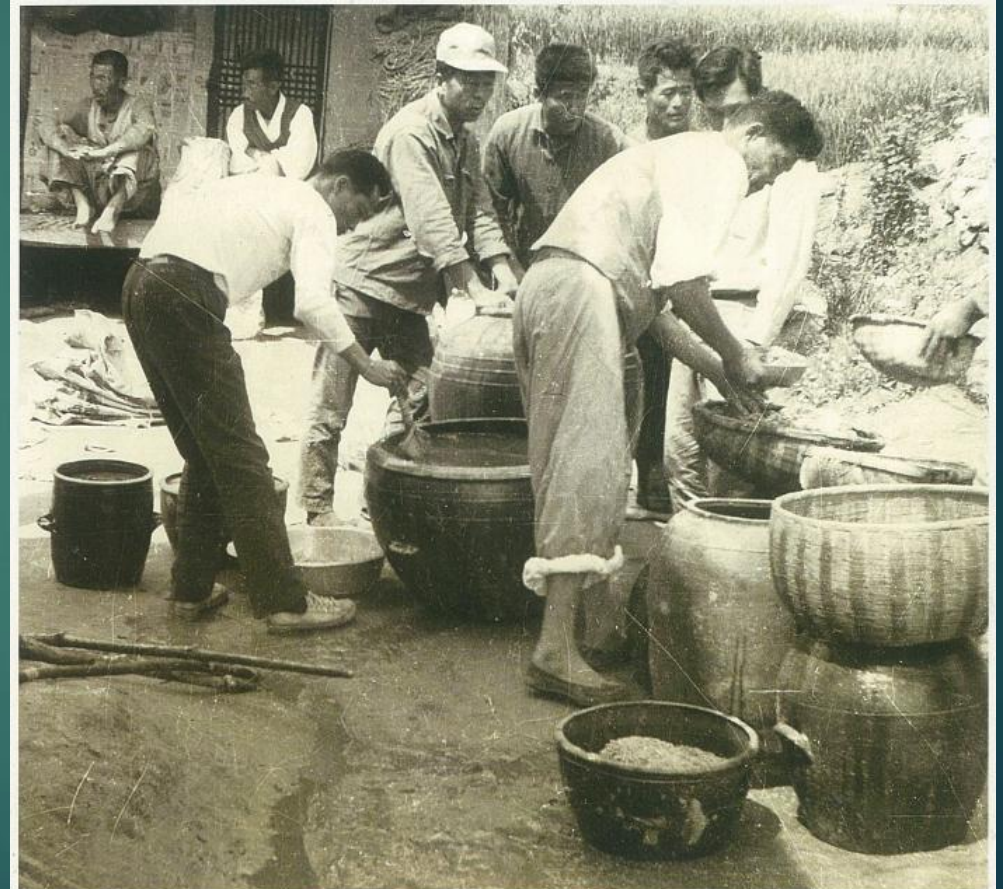
- ▶ Strengthened governance harmonizing rural development and biodiversity conservation
- ▶ Conservation, resilience and preventing degradation of agro-ecological system and forestry

Successful Experiences of the Rural Development in Korea



Participatory Village Development

- ▶ On-Farm Study and Adaptation of Agricultural Technology



법씨소독 - 1974. 4. 22. 수동면 화산

Participatory Village Development

- ▶ On-Farm Study and Adaptation of Agricultural Technology



이양기 시연 - 1981년 수동면 변동

Participatory Village Development

- ▶ On-Farm Study and Adaptation of Agricultural Technology



승용이앙기 교육 - 1990. 4. 함양읍 한들

Participatory Village Development

- ▶ On-Farm Study and Adaptation of Agricultural Technology



Participatory Village Development

- ▶ On-Farm school in the village



쌀 농사학교 - 1969. 3. 함양읍 삼산

Participatory Village Development

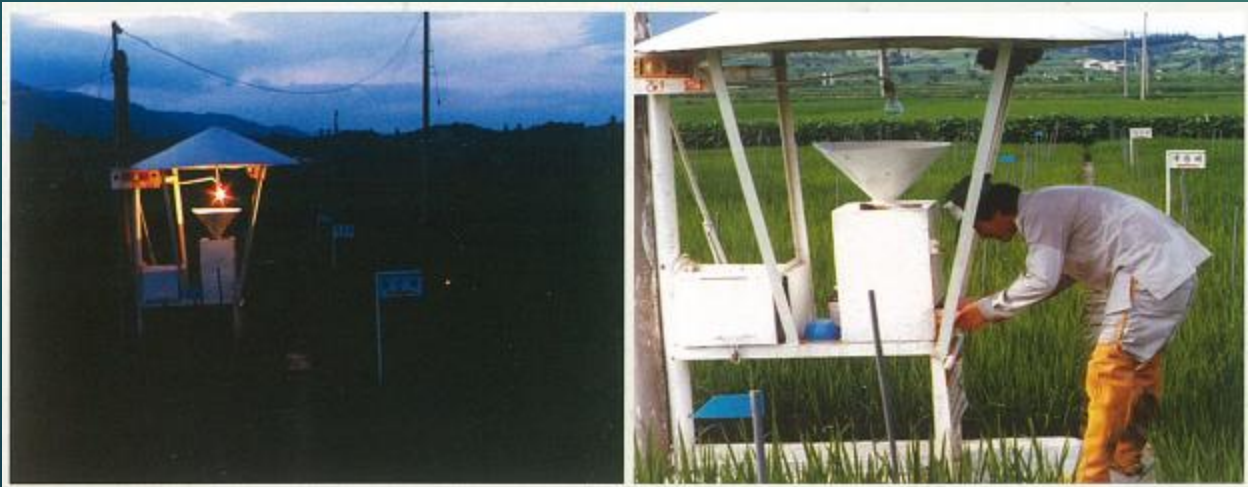
- ▶ On-Farm school in the village



야외 영농교육 - 1977년 마천면

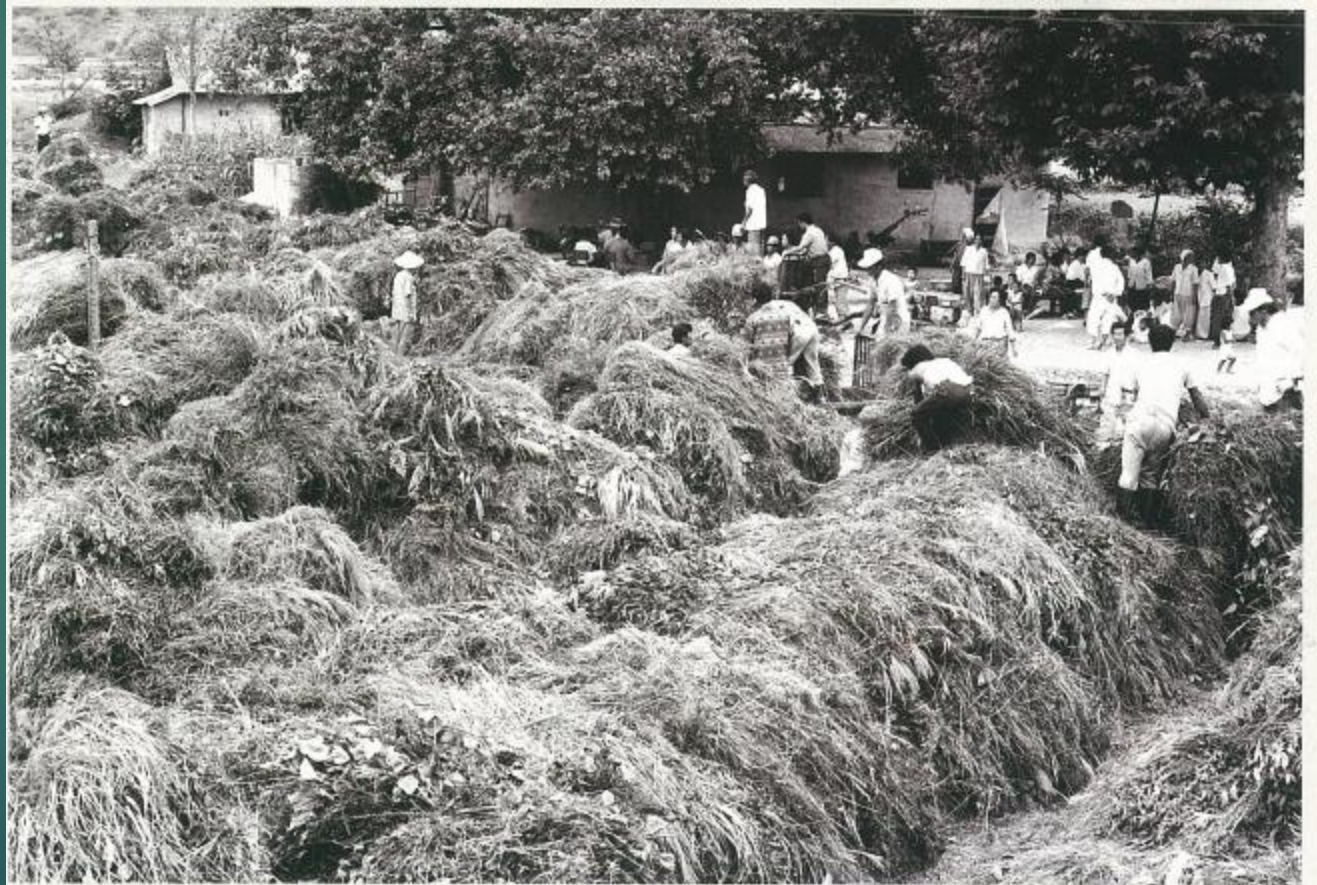
Participatory Village Development

- ▶ Diligent farmers for pest monitoring and land management



Participatory Village Development

- ▶ Composting with weed resources



마을공동퇴비장 - 1985년 휴천면 산두

Participatory Village Development

- ▶ Composting with weed resources
- ▶ Participated even by children



Participatory Village Development

- ▶ Post-harvesting & cold storage managed by the village



Participatory Village Development

► Farmers' market



함양장날(쌀전) - 1981년



함양장날 - 1989년

Participatory Village Development

- ▶ Diligent village women for the cooperative works



어머니들의 억척스러움 - 1980년

Participatory Village Development

▶ Training for making clothes



재봉교육 - 1976년



옷만들기 교육 - 1993년 생활교육관

Participatory Village Development

▶ Village-managed nursery during the busy farming period



농번기 탁아소 보호훈련 - 1975. 5. 30. 병곡면 솔숲



농번기 탁아소 - 1970. 6. 24. 함양읍 후동

Participatory Village Development

▶ Improving living conditions



상수도 물탱크 - 1970. 5. 29.



메탄가스 설치



부엌개량 - 1976년

Participatory Village Development

► 4-H Young leadership



Participatory Village Development

▶ 4-H Young leadership camp



경상남도 새마을 청소년 야영교육 - 1983. 7. 상림

Conclusion from the Korea's experiences

- ▶ Nourish village leaders, especially youth and women
- ▶ Organize farmers for agricultural innovation and value chain approach
- ▶ Mobilize village people for sustainable management of natural resources

**KOICA supports the organic
agriculture and rural
development by and for the
smallholders**

