



WFP China COE captures the wealth of best practices and lessons learned from the Global South to benefit maximally developing countries. WFP China COE provides an inventory by taking stock of China's good experience to match local development needs in other developing countries.



Disaster Risk Reduction and Climate Change Resilience

South-South Cooperation Technical Solutions

Disaster Risk Reduction and Climate Change Resilience enhances smallholders' capacity to adopt ecological approaches and environment-friendly technologies for their livelihood improvement.



Solution 1 Climate Change Mitigation and Adaptation for Smallholders to Improve Rural Livelihood



Topic 1: Low-carbon and emission reduction in agriculture activity and new energy use - [Institutional Level](#)

- Solar energy, bio-gas
- Carbon sequestration
- Carbon emission digital measurement and monitoring
- Water efficient irrigation technology

Topic 2: Juncao Technology application for ecological protection on soil erosion, desertification, and saline and alkaline land - [Institutional Level](#)

- Forage
- Ecological restoration and desertification control

Topic 3: Climate change concerned Insurance and Rural Financial Support against Adverse Effects of Climate Change - [Policy Level](#)

- Access to agricultural insurance
- Reduce risk impact through improved agricultural practice, community group savings, and easier access to credit to enable better investments.

Solution 2 Disaster Preparedness

Topic 1: Disaster preparedness and risk prevention and mitigation - [Institutional Level](#)

Topic 2: Early warning technology and geographic information systems (GIS) application - [Institutional Level](#)



Photo courtesy of WFP/Michael Tewelde

Key Partners

Strategic Partners:

- Ministry of Ecology and Environment
- Ministry of Emergency Management

Technical Partners:

- National Disaster Reduction Center of China
- National Center for Climate Change Strategy and International Cooperation
- Chinese Academy of Tropical Agricultural Sciences
- Fujian Agriculture and Forestry University
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Solution 3 Disaster Mitigation and Recovery

Topic 1: Disaster Assessment and Big Data Analysis

- Disaster risk management and decision making
- Disaster loss assessment

Topic 2: Post-disaster agricultural recovery and loss reduction - [Institutional Level](#)

WFP China COE Four Thematic Areas

1. Value Chain Development for Smallholders

2. Post-harvest Loss Management and Food Systems

3. Disaster Risk Reduction and Climate Change Resilience

4. Innovative Poverty Alleviation Initiative

Contact Us

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