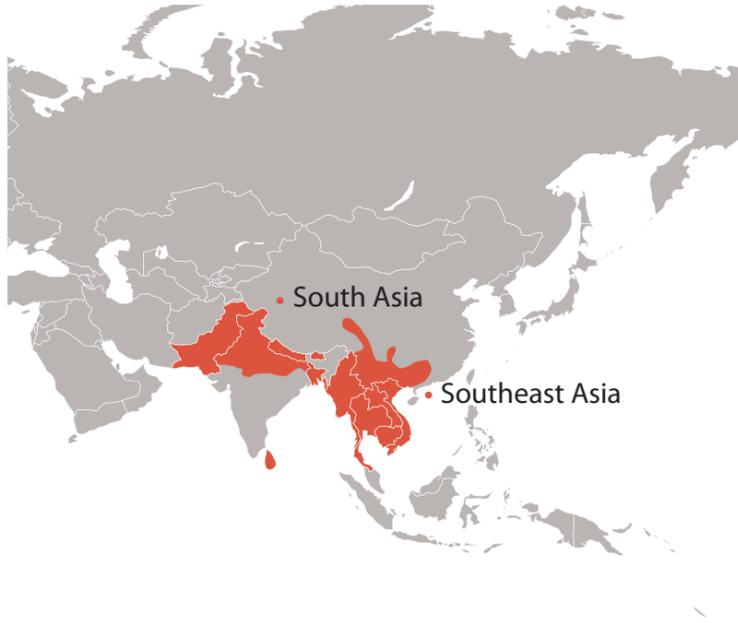


SUSTAINABLE INVESTMENTS FOR LARGE-SCALE CHANGE IN ASIA

In Asia, the **CGIAR Research Program on Water, Land and Ecosystems (WLE)** and its partners focus on influencing large-scale investments around the nexus of water, food and energy.



OUR APPROACH

WLE influences development decisions and large-scale infrastructure investments by providing

- Diagnostic and monitoring tools, including for ecosystems services, inter- and intra-sectoral water allocation, soil health and carbon management
- Data generation and analysis for informed decision making, e.g., in climate risk-based approaches to land, water and soil management, safeguarding environmental flows and resource governance
- Business and investment support for soil management and land restoration as well as feasibility studies and investment plans for resource recovery and reuse
- Integrated solutions to better manage risks related to rising shocks and competing uses of natural resources
- Capacity development of partners to facilitate and address complex trade-off processes and support of policy development



CORE THEME
Ecosystem services and resilience



CORE THEME
Gender, poverty and institutions



Increasing land and water productivity



Integrating ecosystem solutions into policies and investments



Managing resource variability and competing uses



Recovering and reusing resources



Revitalizing degraded agricultural ecosystems



Strengthening decision analysis

QUICK FACTS ON WLE IN ASIA

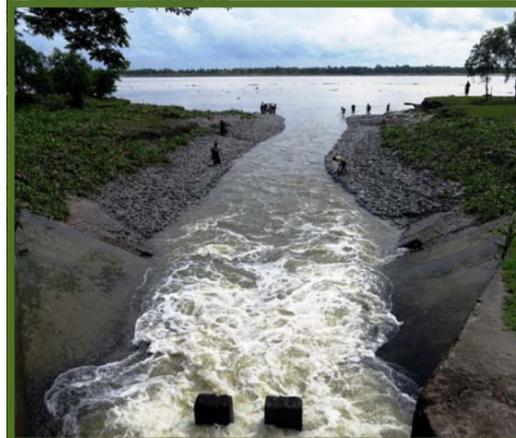
55 projects
>120 partners

4 Multi-stakeholder platforms:

Greater Mekong Forum on Water, Food and Energy
Lao Research for Development Forum
IWMI-Tata Trusts program
Coordination Committee for Agriculture in Bangladesh

Areas of focus:

Managing variability and disaster risks
Managing large reservoirs for multiple purposes
Water governance
Sustainable livelihoods



UNLOCKING POTENTIAL OF THE COASTAL ZONE IN BANGLADESH

The delta zone in Bangladesh is rife with poverty and prone to disasters, but its underutilized water and land resources also represent a huge potential for increasing agricultural productivity. WLE and its partners are working to introduce integrated rice and fish farming systems, complemented by improved infrastructure, that leverage ecosystem services for greater productivity and livelihood opportunities.



SOLAR POWER BUY-BACK SCHEME OFFERS GREEN IRRIGATION SOLUTION IN INDIA

Solar-powered pumps are increasingly used for irrigation in India, but free and uninterrupted access to groundwater increases the risk for over-pumping and depletion of aquifers. WLE and its partners are piloting schemes for farmers to sell back surplus solar power to the utility grid, positioning solar power as a crop that farmers can 'grow', while providing a green solution to irrigation.

NEW LIVELIHOODS OPPORTUNITIES BOOST RESETTLED COMMUNITIES IN VIETNAM

Resettled communities around the Yali Falls hydropower reservoir in Vietnam lacked livelihood opportunities. Using the drawdown area below the hydropower dam for agriculture production led to an increase in net income per hectare of 82 percent in 2012 and almost 100 percent in 2013 for the households participating in a pilot to farm fast-growing cassava. Based on this success, the hydropower company has agreed to keep water levels down part of the year to accommodate agriculture.



ABOUT

The CGIAR Research Program on Water, Land and Ecosystems (WLE) combines the resources of 11 CGIAR centers, the Food and Agriculture Organization of the United Nations (FAO) and numerous national, regional and international partners to provide an integrated approach to natural resource management for the sustainable intensification of agriculture.

WLE promotes a new approach to sustainable intensification in which a healthy functioning ecosystem is seen as a prerequisite to agricultural development, resilience of food systems and well-being. This program is led by the International Water Management Institute (IWMI), a member of the CGIAR Consortium, and is supported by CGIAR, a global research partnership for a food-secure future. wle.cgiar.org



RESEARCH PROGRAM ON
Water, Land and Ecosystems

LED BY:
IWMI
International Water Management Institute

IN PARTNERSHIP WITH:

