



World Bank  
Institute



CLIMATE CHANGE PRACTICE OF THE WORLD BANK INSTITUTE

# Climate Adaptation for Water, Agriculture, and Natural Resource Management



THE WORLD BANK

# Climate Adaptation for Water, Agriculture, and Natural Resource Management

*The World Bank Institute (WBI) is a global facilitator of capacity development. It connects practitioners and networks from around the world for knowledge exchange and learning. WBI's Climate Change Practice focuses on four key components: (i) Leadership and Coalition Building for Climate Change; (ii) Cities and Climate Change; (iii) Innovation in Carbon Finance; and (iv) Climate Adaptation for Water, Agriculture and Natural Resource Management. There are flyers available for each of these components.*

## **Why climate adaptation for water, agriculture, and natural resource management?**

- Food and water will become scarce commodities because of population growth, increasing climate variability and environmental degradation. At the same time, the poor rely heavily on natural resources to cover their most basic needs. In most developing countries agricultural water accounts for the largest share of water use.
- Developing new water resources is expensive, and the performance of existing infrastructure needs to be improved through sustainable agricultural water management. This requires more effective partnerships between governments, farmers, and the private sector.
- Climate risk management needs to be integrated into water, agriculture, and natural resource management strategies. Improved water management, hydrological maintenance

of watersheds, and enhanced soil fertility benefit our society and help to make countries more resilient to climate change. So, there is a need to share these innovative management approaches between countries and regions.

## **Our objectives**

Support countries by providing practical and innovative approaches in agricultural water management, adaptation measures to cope with climate risks, and strategic planning to sustain natural capital. We work closely with and through regional and country-based partners to help them develop customized programs that respond to their specific needs. Our approaches are:

## **South-South learning**

- Regional knowledge sharing of good practices and innovations in climate adaptation

across regions, with a focus on Africa and South-East Asia.

- Structured peer-to-peer exchanges on best practices and lessons learned on agricultural water management, natural resource management, and sustaining natural capital with a focus on Africa.

### ***Knowledge exchange and structured learning***

- Managing Agricultural Water under Climate Challenges – innovative learning program on sustainable agricultural water, land-water management and climate adaptation practices using multimedia products, simulation games, role plays, and case studies.
- Sustaining Natural Capital – structured learning using country case studies
- On demand peer-to-peer knowledge exchanges with a focus on Africa
- Executive learning program on climate change for private-sector leaders in agri-business

### ***Networks and innovative knowledge platforms***

- Regional knowledge platforms: Improved agricultural water management and climate adaptation. Focus on Eastern and Southern Africa.
- Informal West African steering committee on agricultural development with a focus on climate adaptation
- African country network: Valuing natural capital through enhanced sustainable land and natural resource management

### **Our audience**

Policy makers and practitioners involved in shaping and implementing development projects and strategies related to the management of agricultural water, land-water, and natural resources.

### **Our partners**

- African Institute for Capacity Development (AICAD)
- Institute of Resources Assessment (IRA), Dar es Salam University, Tanzania
- International Fund for Agricultural Development (IFAD)
- TerrAfrica Program
- International Institute for Climate Research and Social Sciences, Columbia
- Ministry of Agriculture, Forestry and Fisheries, France
- Japan International Development Agency
- UK Department for International Development
- InWEnt – Capacity Development International



[www.worldbank.org/wbi](http://www.worldbank.org/wbi)

*Printed on recycled paper*

**For more information, please contact**

WBI Climate Change Team  
[wbicc@worldbank.org](mailto:wbicc@worldbank.org)  
+1.202.473.7242