



**Integrated
Wetland and Watershed Management
For Sustainable Development and Conflict Mitigation**

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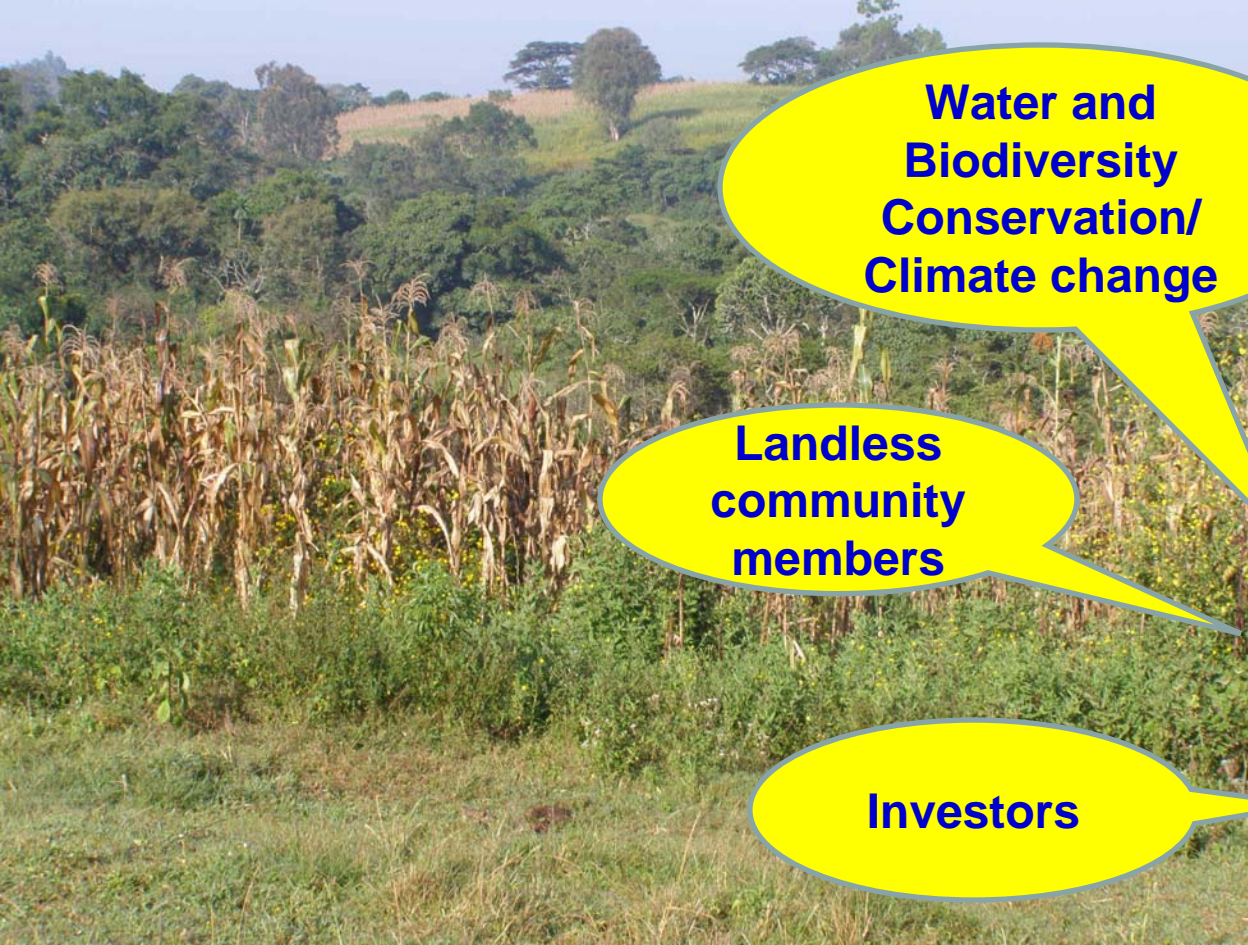
CONTENT

1. Introduction

- Environment
- People
- Conflict sources

2. Practices to sustainability

Population Growth and Environmental Change



Water and Biodiversity Conservation/
Climate change

Government, economy, food security

Landless community members

Investors

Crop-Forest continuum
Conflict of ideas, interests and benefits

Environment and Conflicts

- *Rapid population growth and poverty*
- Environmental degradation and livelihood insecurity
- *Despair , migration and conflicts*

Then ?



Land Degradation & Climate Change



Loss of assets- **livestock and crop failure**- unpredictable future- creates fertile ground for conflicts

Increasing competition for dwindling resources



of fish and severe competition

Burden on women

Pollution and Health



Ecosystem wellbeing
improves quantity and
quality of resources



Resource
availability
hampers
conflicts

Blue Nile -Flourishing

Ecosystem degradation leads to resource shortage both in quality and quantity



Resource shortage stimulates grievance and conflicts

Blue Nile-shrinking

Harmonize linkages between people and environment

- Build local capacity and encourage participation
- Partnership (government-private-CBOs; upstream-down stream)
- Balance population growth and carrying capacity
- Realize fair benefit sharing (ownership, sustainability)

**Biosphere (Biodiversity, water,
land, energy ,air)**

Harmonize

People- Biosphere interaction

**Human
Communities**

The Experience of Ethio Wetlands and Natural Resources Association

Integrated Watershed Management

- to protect the environment and
- mitigate associated conflicts

The Experience of EWNRA

- **Capacity building (Awareness and Training)**
- **Wetland-Watershed Rehabilitation**
- **Livelihood diversification**
- **Water and Sanitation**
- **Reproductive Health –FP**
- **Energy Efficient Technology**
- **Environmental Policy Advocacy**

Improve Watershed Productivity by Vetiver grass and compost



Environment, Livelihood, Food, etc



ALTERNATIVE LIVELIHOOD:
Employment and Revolving fund

Environment, Livelihood, Food, etc



**Bee keeping
and fattening**

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Environment, Livelihood, Food, etc



**Afforestation and
Agro-forestry**

- Safe guard community health
- Reduce burden of women



- Reduce biomass consumption for fuel**
- Protect women's health**
- Save their time and energy**



**Community/
stakeholders**

Consensus and trust-building
• **Sensitization, discussions on
problems and solutions**



Expert training

PROJECT ACHIEVEMENTS

Livelihood-Dependence on Natural resources decreasing

Health-Nutritional, Family Planning and water born infections

Environmental- better function and services

Behavioural- community stewardship growing

Institutional-Watershed committees with bylaws

General- Secured trust from the community & other stakeholders

Rehabilitated Wetland of Wichi



CONCLUSION

Integrated approach is advantageous to

- **Improve the environment, livelihood and resilience of poor communities with minimum cost**
- **Block opportunities to migration, unrest and conflicts**

Scale up programmes that integrate

- **Population,**
- **Health**
- **Livelihood and**
- **Environment issues at watershed level**



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