

# Natural Resources

## Management

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# Natural Resources

## Management

1. Increase water use efficiency through better crop varieties.
2. Improve water management and rainwater harvesting .
3. Increase on –farm water use efficiency through irrigation scheduling and modern technology
4. Improve groundwater management and reduce over-exploitation of shallow aquifers.

# Natural Resources

## Management

- 5- protection of water resources form pollution.
- 6- Improve drought and salinity tolerance crops.
- 7- Better soil management and reduction of soil degradation
- 8- Protect natural biodiversity.

# Natural Resources

- Land
- Water
- Biodiversity ( animal- plants- micro-organisms and marines )
- Forest

# Natural Resources Management

1. preservation, conservation and utilization of biodiversity resources (ex 1, 6 & 8).
2. Improving water management and productivity (ex 1, 2, 3)
3. Integrating soil, water and plant resources management ( ex 1, 3, 6 and 7 )
4. Preservation of land , water, forestry and rangeland for sustainable utilization. (ex 2, 4 and 5)
5. Eco-system input for environmental protection(ex 5 and 7)

# Impact and Priorities

Key Researchable issues	Development impact	Time frame of impact	Farmer type(s)	Priority rank	Comments
<b>1-preservation, conservation and utilization of biodiversity resources</b>	<b>Very high</b>	<b>Short -term</b>	<b>All farmer</b>	<b>1</b>	
<b>2-Improved water management and productivity</b>	<b>Very high</b>	<b>Medium - term</b>	<b>All farmer</b>	<b>1</b>	<b>Direct impact on small farmer</b>
<b>3-Integrating soil, water and plant resources management</b>	<b>high</b>	<b>Medium-term</b>	<b>All farmer</b>	<b>2</b>	<b>Direct impact on small farmer</b>
<b>4- Preservation of land , water, forestry and rangeland for sustainable utilization</b>	<b>high</b>	<b>Long-term</b>	<b>All farmer</b>	<b>3</b>	
<b>5-Eco-system input for environmental protection</b>	<b>high</b>	<b>Long-term</b>	<b>All farmer</b>	<b>2</b>	

# Constraints and barriers

K I#	Constraints and barriers to achieve development impact	Proposed measures to increase developments impact	New actors and partnerships required to deliver development
1, 3, 4, 5	Technical, policy , institute, socials	Capacity building, Awareness, WUA, good governance and PA	Private, public, international, farmer cooperative, media and Education, Uinv.- NRCs
2	ICT		partnership